0000088941-24-00011810-Q SEMTECH CORP 20240828202408281638511638521638521638520000088941-24-000118 10-Q 116 20240728 20240828 20240828 SEMTECH CORP 0000088941 3674 952119684 DE 0126 10-Q 34 001-06395 241256042 200 FLYNN ROAD CAMARILLO CA 93012-8790 8054982111 200 FLYNN ROAD CAMARILLO CA 93012-8790 10-Q 1 smtc-20240728.htm 10-Q smtc-20240728falseQ2000008894101/262025P1YP2Y0.33330.33330.33330.02683250.049081http://fasb.org/us-gaap/2023#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2023#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2023#AccruedLiabilitiesCurrenthttp://fasb.org/us-gaap/2023#AccruedLiabilitiesCurrenthttp://fasb.org/us-gaap/2023#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2023#OtherLiabilitiesNoncurrentxbrli:sharesiso4217:USDiso4217:USDxbrli:sharesxbrli:pureutr:Dsmtc:numberOfLeasessmtc:segmentsmtc:instrumentiso4217:CAD00000889412024-01-292024-07-2800000889412024-08-2300000889412024-04-292024-07-2800000889412023-05-012023-07-3000000889412023-01-302023-07-300000088941us-gaap:ForeignExchangeContractMember2024-04-292024-07-280000088941us-gaap:ForeignExchangeContractMember2023-05-012023-07-300000088941us-gaap:ForeignExchangeContractMember2024-01-292024-07-280000088941us-gaap:ForeignExchangeContractMember2023-01-302023-07-300000088941us-gaap:InterestRateSwapMember2024-04-292024-07-280000088941us-gaap:InterestRateSwapMember2023-05-012023-07-300000088941us-gaap:InterestRateSwapMember2024-01-292024-07-280000088941us-gaap:InterestRateSwapMember2023-01-302023-07-3000000889412024-07-2800000889412024-01-280000088941us-gaap:CommonStockMember2024-04-280000088941us-gaap:TreasuryStockCommonMember2024-04-280000088941us-gaap:AdditionalPaidInCapitalMember2024-04-280000088941us-gaap:RetainedEarningsMember2024-04-280000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-04-280000088941us-gaap:ParentMember2024-04-280000088941us-gaap:NoncontrollingInterestMember2024-04-2800000889412024-04-280000088941us-gaap:RetainedEarningsMember2024-04-292024-07-280000088941us-gaap:ParentMember2024-04-292024-07-280000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-04-292024-07-280000088941us-gaap:CommonStockMember2024-04-292024-07-280000088941us-gaap:AdditionalPaidInCapitalMember2024-04-292024-07-280000088941us-gaap:TreasuryStockCommonMember2024-04-292024-07-280000088941us-gaap:CommonStockMember2024-07-280000088941us-gaap:TreasuryStockCommonMember2024-07-280000088941us-gaap:AdditionalPaidInCapitalMember2024-07-280000088941us-gaap:RetainedEarningsMember2024-07-280000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-07-280000088941us-gaap:ParentMember2024-07-280000088941us-gaap:NoncontrollingInterestMember2024-07-280000088941us-gaap:CommonStockMember2024-01-280000088941us-gaap:TreasuryStockCommonMember2024-01-280000088941us-gaap:AdditionalPaidInCapitalMember2024-01-280000088941us-gaap:RetainedEarningsMember2024-01-280000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-01-280000088941us-gaap:ParentMember2024-01-280000088941us-gaap:NoncontrollingInterestMember2024-01-280000088941us-gaap:RetainedEarningsMember2024-01-292024-07-280000088941us-gaap:ParentMember2024-01-292024-07-280000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-01-292024-07-280000088941us-gaap:NoncontrollingInterestMember2024-01-292024-07-280000088941us-gaap:CommonStockMember2024-01-292024-07-280000088941us-gaap:AdditionalPaidInCapitalMember2024-01-292024-07-280000088941us-gaap:TreasuryStockCommonMember2024-01-292024-07-280000088941us-gaap:CommonStockMember2023-04-300000088941us-gaap:TreasuryStockCommonMember2023-04-300000088941us-gaap:AdditionalPaidInCapitalMember2023-04-300000088941us-gaap:RetainedEarningsMember2023-04-300000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-04-300000088941us-gaap:ParentMember2023-04-300000088941us-gaap:NoncontrollingInterestMember2023-04-3000000889412023-04-300000088941us-gaap:RetainedEarningsMember2023-05-012023-07-300000088941us-gaap:ParentMember2023-05-012023-07-300000088941us-gaap:NoncontrollingInterestMember2023-05-012023-07-300000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-05-012023-07-300000088941us-gaap:AdditionalPaidInCapitalMember2023-05-012023-07-300000088941us-gaap:CommonStockMember2023-05-012023-07-300000088941us-gaap:TreasuryStockCommonMember2023-05-012023-07-300000088941us-gaap:CommonStockMember2023-07-300000088941us-gaap:TreasuryStockCommonMember2023-07-300000088941us-gaap:AdditionalPaidInCapitalMember2023-07-300000088941us-gaap:RetainedEarningsMember2023-07-300000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-07-300000088941us-gaap:ParentMember2023-07-300000088941us-gaap:NoncontrollingInterestMember2023-07-3000000889412023-07-300000088941us-gaap:CommonStockMember2023-01-290000088941us-gaap:TreasuryStockCommonMember2023-01-290000088941us-gaap:AdditionalPaidInCapitalMember2023-01-290000088941us-gaap:RetainedEarningsMember2023-01-290000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-01-290000088941us-gaap:ParentMember2023-01-290000088941us-gaap:NoncontrollingInterestMember2023-01-2900000889412023-01-290000088941us-gaap:RetainedEarningsMember2023-01-302023-07-300000088941us-gaap:ParentMember2023-01-302023-07-300000088941us-gaap:NoncontrollingInterestMember2023-01-302023-07-300000088941us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-01-302023-07-300000088941us-gaap:AdditionalPaidInCapitalMember2023-01-302023-07-300000088941us-gaap:CommonStockMember2023-01-302023-07-300000088941us-gaap:TreasuryStockCommonMember2023-01-302023-07-300000088941srt:RevisionOfPriorPeriodReclassificationAdjustmentMemberus-gaap:SellingGeneralAndAdministrativeExpensesMember2023-05-012023-07-300000088941srt:RevisionOfPriorPeriodReclassificationAdjustmentMemberus-gaap:SellingGeneralAndAdministrativeExpensesMember2023-01-302023-07-300000088941srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersmtc:ResearchAndDevelopmentMember2023-05-012023-07-300000088941srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersmtc:ResearchAndDevelopmentMember2023-01-302023-07-300000088941smtc:SierraWirelessMember2023-01-122023-01-120000088941smtc:SierraWirelessMember2023-01-290000088941smtc:SierraWirelessMember2023-01-302024-01-280000088941smtc:SierraWirelessMember2024-01-280000088941smtc:SierraWirelessMember2023-01-122023-10-290000088941smtc:SierraWirelessMember2023-01-120000088941smtc:SierraWirelessMember2024-07-280000088941smtc:SierraWirelessMember2023-01-302023-10-290000088941us-gaap:StockCompensationPlanMember2024-04-292024-07-280000088941us-gaap:StockCompensationPlanMember2023-05-012023-07-300000088941us-gaap:StockCompensationPlanMember2024-01-292024-07-280000088941us-gaap:StockCompensationPlanMember2023-01-302023-07-300000088941us-gaap:WarrantMember2024-04-292024-07-280000088941us-gaap:WarrantMember2023-05-012023-07-300000088941us-gaap:WarrantMember2024-01-292024-07-280000088941us-gaap:WarrantMember2023-01-302023-07-300000088941us-gaap:CostOfSalesMember2024-04-292024-07-280000088941us-gaap:CostOfSalesMember2023-05-012023-07-300000088941us-gaap:CostOfSalesMember2024-01-292024-07-280000088941us-gaap:CostOfSalesMember2023-01-302023-07-300000088941us-gaap:SellingGeneralAndAdministrativeExpensesMember2024-04-292024-07-280000088941us-gaap:SellingGeneralAndAdministrativeExpensesMember2023-05-012023-07-300000088941us-gaap:SellingGeneralAndAdministrativeExpensesMember2024-01-292024-07-280000088941us-gaap:SellingGeneralAndAdministrativeExpensesMember2023-01-302023-07-300000088941smtc:ProductDevelopmentAndEngineeringMember2024-04-292024-07-280000088941smtc:ProductDevelopmentAndEngineeringMember2023-05-012023-07-300000088941smtc:ProductDevelopmentAndEngineeringMember2024-01-292024-07-280000088941smtc:ProductDevelopmentAndEngineeringMember2023-01-302023-07-300000088941srt:MinimumMembersmtc:EmployeeStockUnitAwardsMembersmtc:SettledWithSharesMember2024-01-292024-07-280000088941srt:MaximumMembersmtc:EmployeeStockUnitAwardsMembersmtc:SettledWithSharesMember2024-01-292024-07-280000088941smtc:SettledInCashMembersmtc:EmployeeStockUnitAwardsMember2024-01-292024-07-280000088941us-gaap:ShareBasedPaymentArrangementEmployeeMemberus-gaap:RestrictedStockUnitsRSUMembersmtc:SettledWithSharesMember2024-01-292024-07-280000088941us-gaap:ShareBasedPaymentArrangementEmployeeMemberus-gaap:RestrictedStockUnitsRSUMembersmtc:SettledWithSharesMember2024-04-292024-07-280000088941smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-01-292024-07-280000088941us-gaap:ShareBasedPaymentArrangementNonemployeeMembersmtc:RestrictedStockUnitsRSUsCashSettlementMember2024-01-292024-07-280000088941us-gaap:ShareBasedPaymentArrangementNonemployeeMembersmtc:RestrictedStockUnitsRSUsShareSettlementMember2024-01-292024-07-280000088941smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-07-280000088941us-gaap:AccruedLiabilitiesMembersmtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-07-280000088941us-gaap:OtherNoncurrentLiabilitiesMembersmtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-07-280000088941smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-01-280000088941us-gaap:AccruedLiabilitiesMembersmtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-01-280000088941us-gaap:OtherNoncurrentLiabilitiesMembersmtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember2024-01-280000088941us-gaap:ShareBasedCompensationAwardTrancheOneMembersmtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember2024-01-292024-07-280000088941us-gaap:ShareBasedCompensationAwardTrancheTwoMembersmtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember2024-01-292024-07-280000088941us-gaap:ShareBasedCompensationAwardTrancheThreeMembersmtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember2024-01-292024-07-280000088941smtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember2024-01-292024-07-280000088941srt:MaximumMembersmtc:FinancialMetricBasedRestrictedStockUnitsRSUsMembersrt:ScenarioForecastMember2025-01-260000088941smtc:MarketPerformanceSharesMember2021-02-012022-01-300000088941smtc:MarketPerformanceSharesMember2023-01-302024-01-280000088941smtc:MarketPerformanceSharesMember2022-01-312023-01-290000088941smtc:MarketPerformanceSharesMember2024-01-292024-07-280000088941us-gaap:ShareBasedCompensationAwardTrancheOneMembersmtc:MarketPerformanceSharesMember2024-01-292024-07-280000088941us-gaap:ShareBasedCompensationAwardTrancheTwoMembersmtc:MarketPerformanceSharesMember2024-01-292024-07-280000088941us-gaap:ShareBasedCompensationAwardTrancheThreeMembersmtc:MarketPerformanceSharesMember2024-01-292024-07-280000088941us-gaap:ConvertibleDebtSecuritiesMember2024-07-280000088941us-gaap:ConvertibleDebtSecuritiesMember2024-01-280000088941us-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueInputsLevel1Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueInputsLevel2Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueInputsLevel3Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel1Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel2Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel3Memberus-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:ConvertibleDebtSecuritiesMember2024-07-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:ConvertibleDebtSecuritiesMember2024-01-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueInputsLevel2Memberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:FairValueInputsLevel3Memberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-07-280000088941us-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel1Memberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel2Memberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueInputsLevel3Memberus-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel1Member2024-07-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel2Member2024-07-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel3Member2024-07-280000088941us-gaap:FairValueMeasurementsRecurringMember2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel1Member2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel2Member2024-01-280000088941us-gaap:FairValueMeasurementsRecurringMemberus-gaap:FairValueInputsLevel3Member2024-01-280000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2024-07-280000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2024-01-280000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-07-280000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-01-280000088941us-gaap:ConvertibleDebtMember2024-07-280000088941us-gaap:ConvertibleDebtMember2024-01-280000088941us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember2024-01-280000088941us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2024-01-280000088941us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember2024-01-280000088941us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember2024-01-292024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2024-01-292024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember2024-01-292024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember2024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember2024-07-280000088941us-gaap:OperatingSegmentsMembersmtc:IoTConnectedServicesMember2023-05-012023-07-300000088941smtc:IoTSystemModulesMember2023-05-012023-07-300000088941smtc:IoTSystemRoutersMember2023-05-012023-07-300000088941us-gaap:DevelopedTechnologyRightsMembersrt:MinimumMember2024-07-280000088941us-gaap:DevelopedTechnologyRightsMembersrt:MaximumMember2024-07-280000088941us-gaap:DevelopedTechnologyRightsMember2024-07-280000088941us-gaap:CustomerRelationshipsMembersrt:MinimumMember2024-07-280000088941us-gaap:CustomerRelationshipsMembersrt:MaximumMember2024-07-280000088941us-gaap:CustomerRelationshipsMember2024-07-280000088941us-gaap:TradeNamesMembersrt:MinimumMember2024-07-280000088941us-gaap:TradeNamesMembersrt:MaximumMember2024-07-280000088941us-gaap:TradeNamesMember2024-07-280000088941smtc:CapitalizedDevelopmentCostsMember2024-07-280000088941us-gaap:DevelopedTechnologyRightsMember2024-01-280000088941us-

gaap:CustomerRelationshipsMember2024-01-2800000088941us-gaap:TradeNamesMember2024-01-2800000088941us-gaap:DevelopedTechnologyRightsMember2024-04-292024-07-2800000088941us-gaap:DevelopedTechnologyRightsMember2023-05-012023-07-300000088941us-gaap:DevelopedTechnologyRightsMember2024-01-292024-07-2800000088941us-gaap:DevelopedTechnologyRightsMember2023-01-302023-07-300000088941us-gaap:CustomerRelationshipsMember2024-04-292024-07-2800000088941us-gaap:CustomerRelationshipsMember2023-05-012023-07-300000088941us-gaap:CustomerRelationshipsMember2024-01-292024-07-2800000088941us-gaap:CustomerRelationshipsMember2023-01-302023-07-300000088941us-gaap:TradeNamesMember2024-04-292024-07-2800000088941us-gaap:TradeNamesMember2023-05-012023-07-300000088941us-gaap:TradeNamesMember2024-01-292024-07-2800000088941us-gaap:TradeNamesMember2023-01-302023-07-300000088941smtc:CapitalizedDevelopmentCostsMember2024-04-292024-07-2800000088941smtc:CapitalizedDevelopmentCostsMember2023-05-012023-07-300000088941smtc:CapitalizedDevelopmentCostsMember2024-01-292024-07-2800000088941smtc:CapitalizedDevelopmentCostsMember2023-01-302023-07-300000088941smtc:CapitalizedDevelopmentCostsMember2024-01-2800000088941us-gaap:SoftwareAndSoftwareDevelopmentCostsMember2024-01-2800000088941us-gaap:InProcessResearchAndDevelopmentMember2024-01-2800000088941us-gaap:SoftwareAndSoftwareDevelopmentCostsMember2024-01-292024-07-2800000088941us-gaap:InProcessResearchAndDevelopmentMember2024-01-292024-07-2800000088941us-gaap:SoftwareAndSoftwareDevelopmentCostsMember2024-07-2800000088941us-gaap:InProcessResearchAndDevelopmentMember2024-07-2800000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2024-07-2800000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2024-01-2800000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2024-07-2800000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2024-01-2800000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-01-302023-04-300000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-04-300000088941smtc:TriggeringEventTwoMember2023-04-300000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2022-10-312023-01-2900000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-01-2900000088941smtc:TriggeringEventTwoMember2023-01-2900000088941smtc:TriggeringEventOneMemberus-gaap:RevolvingCreditFacilityMember2024-01-292024-07-2800000088941smtc:TriggeringEventOneMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember2024-01-292024-07-2800000088941smtc:TriggeringEventTwoMember2024-07-2800000088941us-gaap:RevolvingCreditFacilityMembersmtc:SecuredOvernightFinancingRateSOFRMember2024-01-292024-07-2800000088941us-gaap:RevolvingCreditFacilityMember2024-07-2800000088941smtc:TriggeringEventThreeMember2024-07-2800000088941smtc:TriggeringEventThreeMember2024-01-292024-07-2800000088941smtc:TriggeringEventOneMemberus-gaap:RevolvingCreditFacilityMember2023-01-302024-01-2800000088941smtc:TriggeringEventOneMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-01-302024-01-2800000088941smtc:TriggeringEventTwoMember2024-01-2800000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-07-300000088941us-gaap:RevolvingCreditFacilityMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-01-302024-01-2800000088941us-gaap:RevolvingCreditFacilityMember2024-01-2800000088941smtc:TriggeringEventThreeMember2024-01-2800000088941smtc:TriggeringEventThreeMember2024-04-282024-04-2800000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnJanuary122028Member2023-01-120000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-01-120000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-01-120000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2019-11-070000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnNovember72024Member2019-11-070000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnJanuary122028Member2019-11-070000088941us-gaap:LetterOfCreditMembersmtc:CreditAgreementMember2019-11-070000088941us-gaap:BridgeLoanMembersmtc:CreditAgreementMember2019-11-070000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-02-242023-02-240000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember2023-02-242023-02-240000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember2023-06-062023-06-060000088941srt:MaximumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember2023-06-062023-06-060000088941srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementFinancialCovenantReliefPeriodMemberus-gaap:BaseRateMember2023-06-062023-06-060000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMemberus-gaap:LineOfCreditMember2023-06-062023-06-060000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentOneMonthInterestPeriodMember2023-06-062023-06-060000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentThreeMonthInterestPeriodMember2023-06-062023-06-060000088941us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentSixMonthInterestPeriodMember2023-06-062023-06-060000088941srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-06-062023-06-060000088941srt:MaximumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-06-062023-06-060000088941srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementFinancialCovenantReliefPeriodMembersmtc:SecuredOvernightFinancingRateSOFRMember2023-06-062023-06-060000088941smtc:TriggeringEventTwoMemberus-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-06-060000088941smtc:TriggeringEventOneMemberus-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-06-060000088941us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember2023-06-062023-06-060000088941smtc:TriggeringEventThreeMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventFourMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventFiveMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventSixMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventSevenMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventEightMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventNineMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventTenMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventElevenMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventTwelveMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941smtc:TriggeringEventThirteenMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember2023-06-060000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2022-10-120000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2022-10-2100000088941smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember2022-10-212022-10-2100000088941smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember2022-10-212022-10-2100000088941smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsTwoMember2022-10-212022-10-2100000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2022-10-1900000889412022-10-062022-10-1900000889412022-10-1900000889412022-10-060000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2023-10-260000088941smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember2023-10-262023-10-2600000088941smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsTwoMember2023-10-262023-10-260000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-07-150000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-07-112024-07-150000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-04-292024-07-2800000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2024-01-292024-07-2800000088941smtc:RevolvingLoansAndNonUsDollarsLcMember2024-07-2800000088941us-gaap:LetterOfCreditMember2024-01-2800000088941us-gaap:LetterOfCreditMember2024-07-2800000088941smtc:RevolvingLoansAndNonUsDollarsLcMember2024-01-2800000088941smtc:SwinglineLoansMember2024-01-2800000088941smtc:SwinglineLoansMember2024-07-2800000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2027Member2022-10-212022-10-2100000088941us-gaap:ConvertibleDebtMembersmtc:ConvertibleSeniorNotesDue2028Member2023-10-262023-10-2600000088941smtc:NoncurrentdeferredtaxassetMember2024-07-2800000088941smtc:NoncurrentdeferredtaxassetMember2024-01-2800000088941us-gaap:OtherNoncurrentLiabilitiesMember2024-07-2800000088941us-gaap:OtherNoncurrentLiabilitiesMember2024-01-2800000088941smtc:DensoCorporationMembersmtc:SierraWirelessMember2022-06-142022-06-140000088941smtc:HarmanBeckerAutomotiveSystemsGmbHMembersmtc:SierraWirelessMember2022-03-252022-03-2500000088941srt:MinimumMemberus-gaap:EnvironmentalIssueMember2024-07-2800000088941srt:MaximumMemberus-gaap:EnvironmentalIssueMember2024-07-2800000088941us-gaap:EnvironmentalIssueMember2024-01-292024-07-2800000088941us-gaap:EnvironmentalIssueMember2024-07-2800000088941us-gaap:AccruedLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-07-2800000088941us-gaap:AccruedLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-01-2800000088941us-gaap:OtherNoncurrentLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-07-2800000088941us-gaap:OtherNoncurrentLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-01-2800000088941smtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-07-2800000088941smtc:DeferredCompensationPlanForOfficersAndExecutivesMember2024-01-2800000088941us-gaap:OtherCurrentAssetsMember2024-07-2800000088941us-gaap:OtherCurrentAssetsMember2024-01-2800000088941us-gaap:OtherNoncurrentAssetsMember2024-07-2800000088941us-gaap:OtherNoncurrentAssetsMember2024-01-2800000088941us-gaap:OneTimeTerminationBenefitsMember2024-01-2800000088941us-gaap:ContractTerminationMember2024-01-2800000088941us-gaap:OneTimeTerminationBenefitsMember2024-01-292024-07-2800000088941us-gaap:ContractTerminationMember2024-01-292024-07-2800000088941us-gaap:OneTimeTerminationBenefitsMember2024-07-2800000088941us-gaap:ContractTerminationMember2024-07-2800000088941smtc:RestructuringMember2024-04-292024-07-2800000088941smtc:RestructuringMember2023-05-012023-07-300000088941smtc:RestructuringMember2024-01-292024-07-2800000088941smtc:RestructuringMember2023-01-302023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:FrontekTechnologyCorporationMember2024-04-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:FrontekTechnologyCorporationMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:TrendTekTechnologyLtdAndAffiliatesMember2024-04-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:TrendTekTechnologyLtdAndAffiliatesMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:AccountsReceivableMembersmtc:FrontekTechnologyCorporationMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:AccountsReceivableMembersmtc:FrontekTechnologyCorporationMember2023-01-302024-01-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:AccountsReceivableMembersmtc:TrendTekTechnologyLtdAndAffiliatesMember2024-01-292024-07-28000000889412023-01-302024-01-2800000088941smtc:SignalIntegrityProductsGroupMember2024-04-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:SignalIntegrityProductsGroupMember2024-04-292024-07-2800000088941smtc:SignalIntegrityProductsGroupMember2023-05-012023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:SignalIntegrityProductsGroupMember2023-05-012023-07-300000088941smtc:SignalIntegrityProductsGroupMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:SignalIntegrityProductsGroupMember2024-01-292024-07-2800000088941smtc:SignalIntegrityProductsGroupMember2023-01-302023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:SignalIntegrityProductsGroupMember2023-01-302023-07-300000088941smtc:AdvancedProtectionAndSensingProductsGroupMember2024-04-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2024-04-292024-07-2800000088941smtc:AdvancedProtectionAndSensingProductsGroupMember2023-05-012023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2023-05-012023-07-300000088941smtc:AdvancedProtectionAndSensingProductsGroupMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2024-01-292024-07-2800000088941smtc:AdvancedProtectionAndSensingProductsGroupMember2023-01-302023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:AdvancedProtectionAndSensingProductsGroupMember2023-01-302023-07-300000088941smtc:IoTSystemsAndConnectivityMember2024-04-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:IoTSystemsAndConnectivityMember2024-04-292024-07-2800000088941smtc:IoTSystemsAndConnectivityMember2023-05-012023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:IoTSystemsAndConnectivityMember2023-05-012023-07-300000088941smtc:IoTSystemsAndConnectivityMember2024-01-292024-07-2800000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:IoTSystemsAndConnectivityMember2024-01-292024-07-2800000088941smtc:IoTSystemsAndConnectivityMember2023-01-302023-07-300000088941us-gaap:CustomerConcentrationRiskMemberus-gaap:SalesRevenueNetMembersmtc:IoTSystemsAndConnectivityMember2023-01-302023-07-300000088941us-gaap:SalesRevenueNetMembersus-gaap:CustomerConcentrationRiskMember2024-04-292024-07-2800000088941us-gaap:SalesRevenueNetMembersus-gaap:CustomerConcentrationRiskMember2023-05-012023-07-300000088941us-gaap:SalesRevenueNetMembersus-gaap:CustomerConcentrationRiskMember2024-01-292024-07-2800000088941us-gaap:SalesRevenueNetMembersus-gaap:CustomerConcentrationRiskMember2023-01-302023-07-300000088941smtc:UnallocatedMember2024-04-292024-07-2800000088941smtc:UnallocatedMember2023-05-012023-07-300000088941smtc:UnallocatedMember2024-01-292024-07-2800000088941smtc:UnallocatedMember2023-01-302023-07-300000088941srt:AsiaPacificMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-

292024-07-280000088941srt:AsiaPacificMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941srt:AsiaPacificMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941srt:AsiaPacificMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941srt:NorthAmericaMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941srt:NorthAmericaMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941srt:NorthAmericaMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941srt:NorthAmericaMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941srt:EuropeMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941srt:EuropeMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941srt:EuropeMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941srt:EuropeMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember2024-04-292024-07-280000088941us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember2023-05-012023-07-300000088941us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember2024-01-292024-07-280000088941us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember2023-01-302023-07-300000088941smtc:ChinaIncludingHongKongMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941smtc:ChinaIncludingHongKongMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941smtc:ChinaIncludingHongKongMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941smtc:ChinaIncludingHongKongMemberus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941country:USus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941country:USus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941country:USus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941country:USus-gaap:GeographicConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941us-gaap:ProductMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941us-gaap:ProductMember2023-05-012023-07-300000088941us-gaap:ProductMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941us-gaap:ProductMember2024-01-292024-07-280000088941us-gaap:ProductMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941us-gaap:ProductMember2023-01-302023-07-300000088941us-gaap:ProductMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941us-gaap:ServiceMember2024-04-292024-07-280000088941us-gaap:ServiceMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-04-292024-07-280000088941us-gaap:ServiceMember2023-05-012023-07-300000088941us-gaap:ServiceMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-05-012023-07-300000088941us-gaap:ServiceMember2024-01-292024-07-280000088941us-gaap:ServiceMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2024-01-292024-07-280000088941us-gaap:ServiceMember2023-01-302023-07-300000088941us-gaap:ServiceMemberus-gaap:ProductConcentrationRiskMemberus-gaap:SalesRevenueNetMember2023-01-302023-07-300000088941us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember2024-04-292024-07-280000088941us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember2023-05-012023-07-300000088941us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember2024-01-292024-07-280000088941us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember2023-01-302023-07-300000088941us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember2024-07-280000088941smtc:SellUSDBuyCADForwardContractMember2024-07-280000088941smtc:SellUSDBuyCADForwardContractMemberus-gaap:ShortMember2024-07-280000088941smtc:SellUSDBuyCADForwardContractMemberus-gaap:LongMember2024-07-280000088941smtc:SellUSDBuyCADForwardContractMember2024-01-280000088941smtc:SellUSDBuyCADForwardContractMemberus-gaap:ShortMember2024-01-280000088941smtc:SellUSDBuyCADForwardContractMemberus-gaap:LongMember2024-01-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-07-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-01-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:ForeignExchangeContractMember2024-07-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:ForeignExchangeContractMember2024-01-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-07-280000088941us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-01-280000088941us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-07-280000088941us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-01-280000088941us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-07-280000088941us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-01-280000088941us-gaap:OtherCurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-07-280000088941us-gaap:OtherCurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:ForeignExchangeContractMember2024-07-280000088941us-gaap:OtherCurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:ForeignExchangeContractMember2024-01-280000088941us-gaap:OtherCurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-01-280000088941us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-07-280000088941us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMemberus-gaap:InterestRateSwapMember2024-01-280000088941us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-07-280000088941us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember2024-01-280000088941us-gaap:TotalReturnSwapMember2023-05-012023-07-300000088941us-gaap:TotalReturnSwapMember2023-01-302023-07-30UNITED STATES SECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549Â _____FORM 10-Q _____(Mark One)â˜´Quarterly report pursuant to SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934For the quarterly period ended JulyÂ 28, 2024orÂ˜Transition Report Pursuant to SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934For the transition period from Â Â Â Â Â Â Â Â Â Â Â Â to Â Â Â Â Â Â Â Â Â Â Â Â Commission File Number 001-06395 _____Â SEMTECH CORPORATION(Exact name of registrant as specified in its charter)Â _____DelawareÂ 95-2119684(State or other jurisdiction ofincorporation or organization)Â (I.R.S. EmployerIdentification No.)200 Flynn Road, Camarillo, California, 93012-8790 (Address of principal executive offices, Zip Code)Registrantâ€™s telephone number, including area code: (805)Â 498-2111 Securities registered pursuant to SectionÂ 12(b) of the Act:Title of each classTrading Symbol(s)Â Name of each exchange on which registeredCommon Stock par value $0.01 per shareSMTCÂ The Nasdaq Global Select Market_____Â Indicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90 days.Â Â Â Â YesÂ Â Â xÂ Â Â NoÂ Â Â¨Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).Â Â Â Â YesÂ Â Â xÂ Â Â NoÂ Â Â¨Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.Large accelerated filerÂ xÂ Â AcceleratedÂ filerÂ Â Â˜Non-accelerated filerÂ Â˜Â Â SmallerÂ reportingÂ companyÂ Â Â˜Emerging growth companyÂ˜If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. Â˜Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).Â Â Â Â YesÂ Â Â˜Â Â Â NoÂ Â xÂ Number of shares of common stock, $0.01 par value per share, outstanding at AugustÂ 23, 2024: 75,227,342 SEMTECH CORPORATIONINDEX TO FORM 10-QFOR THE QUARTER ENDED JULYÂ 28, 2024 Â PART I - FINANCIAL INFORMATION3ITEMÂ 1. Financial Statements4ITEMÂ 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations39ITEMÂ 3. Quantitative and Qualitative Disclosures About Market Risk53ITEMÂ 4. Controls and Procedures54PART II â€“ OTHER INFORMATION55ITEMÂ 1. Legal Proceedings55ITEMÂ 1A. Risk Factors55ITEMÂ 2. Unregistered Sales of Equity Securities and Use of Proceeds55ITEMÂ 3. Defaults Upon Senior Securities55ITEMÂ 4. Mine Safety Disclosures55ITEMÂ 5. Other Information55ITEMÂ 6. Exhibits562Unless the context otherwise requires, the use of the terms "Semtech," the "Company," "we," "us" and "our" in this Quarterly Report on Form 10-Q refers to Semtech Corporation and, as applicable, its consolidated subsidiaries. This Quarterly Report on Form 10-Q may contain references to the Companyâ€™s trademarks and to trademarks belonging to other entities. Solely for convenience, trademarks and trade names referred to in this Quarterly Report on Form 10-Q, including logos, artwork and other visual displays, may appear without the Â® or TM symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the rights of the applicable licensor to these trademarks and trade names. We do not intend our use or display of other companies' trade names or trademarks to imply a relationship with, or endorsement or sponsorship of us by, any other company. Special Note Regarding Forward-Looking and Cautionary Statements This Quarterly Report on Form 10-Q contains "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, as amended, based on our current expectations, estimates and projections about our operations, industry, financial condition, performance, results of operations, and liquidity. Forward-looking statements are statements other than historical information or statements of current condition and relate to matters such as future financial performance, future operational performance, the anticipated impact of specific items on future earnings, and our plans, objectives and expectations. Statements containing words such as "may," "believe," "anticipate," "expect," "intend," "plan," "project," "estimate," "should," "could," "designed to," "projections," or "business outlook," or other similar expressions constitute forward-looking statements. Forward-looking statements involve known and unknown risks and uncertainties that could cause actual results and events to differ materially from those projected. Potential factors that could cause actual results to differ materially from those in the forward-looking statements include, but are not limited to: the Company's ability to comply with, or pursue business strategies due to, the covenants under the agreements governing its indebtedness; the Company's ability to remediate material weakness in its internal control over financial reporting, discovery of additional material weaknesses, and its inability to achieve and maintain effective disclosure controls and procedures and internal control over financial reporting; the Company's ability to forecast and achieve anticipated net sales and earnings estimates in light of periodic economic uncertainty; risks of not achieving all or any of the anticipated benefits of our acquisition of Sierra Wireless, Inc. or the risk that the anticipated benefits may not be fully realized or take longer to realize than expected; the uncertainty surrounding the impact and duration of supply chain constraints and any associated disruptions; export restrictions and laws affecting the Company's trade and tariffs or the occurrence of trade wars; worldwide economic and political disruptions, including as a result of inflation and current geopolitical conflicts; tightening credit conditions related to the United States; competitive changes in the marketplace including, but not limited to, the pace of growth or adoption rates of applicable products or technologies; downturns in the business cycle; decreasing average selling prices of the Companyâ€™s products; the Companyâ€™s reliance on a limited number of suppliers and subcontractors for components and materials; changes in projected or anticipated end-user markets; future responses to and effects of public health crises; and those other factors set forth under "Risk Factors" in the Companyâ€™s Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024 filed with the Securities and Exchange Commission (the "SEC") on MarchÂ 28, 2024, as such risk factors may be amended, supplemented or superseded from time to time by other reports we file with SEC. In light of the significant risks and uncertainties inherent in the forward-looking information included herein that may cause actual performance and results to differ materially from those predicted, any such forward-looking information should not be regarded as representations or guarantees by the Company of future performance or results, or that its objectives or plans will be achieved, or that any of its operating expectations or financial forecasts will be realized. Reported results should not be considered an indication of future performance. Investors are cautioned not to place undue reliance on any forward-looking information contained herein, which reflect managementâ€™s analysis only as of the date hereof. Except as required by law, the Company assumes no obligation to publicly release the results of any update or revision to any forward-looking statement that may be made to reflect new information, events or circumstances after the date hereof or to reflect the occurrence of unanticipated or future events, or otherwise. In addition to regarding forward-looking statements with caution, you should consider that the preparation of the consolidated financial statements requires us to draw conclusions and make interpretations, judgments, assumptions and estimates with respect to certain factual, legal, and accounting matters. Our consolidated financial statements might have been materially impacted if we had reached different conclusions or made different interpretations, judgments, assumptions or estimates.3PART I - FINANCIAL INFORMATIONÂ ITEM 1.Financial StatementsSEMTECH CORPORATION AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS(in thousands, except per share data)(unaudited)Â Â Three Months EndedSix Months EndedÂ July 28, 2024July 30, 2023July 28, 2024July 30, 2023Net sales$215,355Â $238,372Â $421,460Â $474,911Â Cost of sales107,612Â 127,071Â 211,844Â 249,809Â Amortization of acquired technology2,279Â 10,573Â 4,560Â 21,428Â Total cost of sales109,891Â 137,644Â 216,404Â 271,237Â Gross profit105,464Â 100,728Â 205,056Â 203,674Â Operating expenses, net:Selling, generalÂ and administrative55,789Â 59,579Â 108,058Â 117,359Â Product developmentÂ and engineering40,084Â 47,433Â 81,688Â 98,034Â Intangible amortization282Â 4,871Â 589Â 9,753Â Restructuring1,541Â 9,399Â 3,810Â 10,962Â Goodwill impairmentâ€”Â 279,555Â â€”Â 279,555Â Total operating expenses, net97,696Â 400,837Â 194,145Â 515,663Â Operating income (loss)7,768Â (300,109)10,911Â (311,989)Interest expense(28,578)(24,171)(51,807)(44,681)Interest income433Â 674Â 975Â 1,743Â Loss on extinguishment of debt(144,688)â€”Â (144,688)â€”Â Non-operating expense, net(1,015)(1,566)(615)(2,039)Investment impairments and credit loss reserves, netâ€”Â (227)(1,109)(260)Loss before taxes and equity method (loss) income(166,080)(325,399)(186,333)(357,226)Provision for income taxes4,215Â 56,592Â 7,171Â 54,175Â Net loss before equity method (loss) income(170,295)(381,991)(193,504)(411,401)Equity method (loss) incomeâ€”Â (12)50Â (19)Net loss(170,295)(382,003)(193,454)(411,420)Net loss attributable to noncontrolling interestâ€”Â (1)â€”Â (3)Net loss attributable to common stockholders$(170,295)$(382,002)$(193,454)$(411,417)Loss per share:Basic(2.61)(5.97)(2.98)(6.43)Diluted(2.61)(5.97)(2.98)(6.43)Weighted-average number of shares used in computing loss per share:Basic65,281Â 64,005Â 64,895Â 63,964Â Diluted65,281Â 64,005Â 64,895Â 63,964Â The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.4SEMTECH CORPORATION AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS(in thousands)(unaudited)Â Â Three Months EndedSix Months EndedÂ July 28, 2024July 30, 2023July 28, 2024July 30, 2023Net loss$(170,295)$(382,003)$(193,454)$(411,420)Other comprehensive (loss) income, net:Unrealized (loss) gain on foreign currency cash flow hedges, net(51)96Â (174)(27)Reclassifications of realized gain (loss) on foreign currency cash flow hedges, net, to net loss13Â (164)(9)(276)Unrealized (loss) gain on interest rate cash flow hedges, net(6,959)13,769Â 4,641Â 14,187Â Reclassifications of realized gain on interest rate cash flow hedges, net, to net loss(2,196)(1,836)(4,393)(3,592)Cumulative translation adjustment1,270Â (6,697)232Â (7,698)Change in defined benefit plans, net(17)(52)(34)(102)Other comprehensive (loss) income, net(7,940)5,116Â 263Â 2,492Â Comprehensive loss(178,235)(376,887)(193,191)(408,928)Comprehensive loss attributable to noncontrolling interestâ€”Â (1)â€”Â (3)Comprehensive loss attributable to common stockholders$(178,235)$(376,886)$(193,191)$(408,925)The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.5SEMTECH CORPORATION AND SUBSIDIARIESCONDENSED CONSOLIDATED BALANCE SHEETS (in thousands, except share and per share data)(unaudited)July 28, 2024January 28, 2024AssetsCurrent assets:Cash and cash equivalents$115,928Â $128,585Â Accounts receivable, less allowances of $5,580 and $4,161, respectively 152,976Â 134,322Â Inventories156,011Â 144,992Â Prepaid

taxes15,375Â 11,969Â Other current assets101,453Â 114,329Â Total current assets541,743Â 534,197Â Non-current assets:Property, plant and equipment, net of accumulated depreciation of $300,081 and $283,725, respectively139,525Â 153,618Â Deferred tax assets18,017Â 18,014Â Goodwill541,104Â 541,227Â Other intangible assets, net35,354Â 35,566Â Other assets92,257Â 91,113Â TOTAL ASSETS$1,368,000Â $1,373,735Â Liabilities and Equity (Deficit)Current liabilities:Accounts payable$75,760Â $45,051Â Accrued liabilities148,913Â 172,105Â Total current liabilities224,673Â 217,156Â Non-current liabilities:Deferred tax liabilitiesâ€”Â 829Â Long-term debt1,192,865Â 1,371,039Â Other long-term liabilities91,899Â 91,961Â Commitments and contingencies (Note 12)Stockholdersâ€™ equity (deficit) :Common stock, $0.01 par value, 250,000,000 shares authorized, 88,514,575 issued and 75,118,173 outstanding and 78,136,144 issued and 64,415,861 outstanding, respectively885Â 785Â Treasury stock, at cost, 13,396,402 shares and 13,720,283 shares, respectively(548,619)(556,888)Additional paid-in capital836,271Â 485,452Â Retained deficit(427,244)(233,790)Accumulated other comprehensive loss, net(2,730)(2,993)Total stockholdersâ€™ deficit(141,437)(307,434)Noncontrolling interestâ€Â 184Â Total deficit(141,437)(307,250)TOTAL LIABILITIES AND EQUITY (DEFICIT)$1,368,000Â $1,373,735Â The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.6SEMTECH CORPORATION AND SUBSIDIARIESCONSOLIDATED STATEMENTS OF STOCKHOLDERSâ€™ EQUITY (DEFICIT) (in thousands, except share data)(unaudited)Three Months Ended July 28, 2024Common StockAccumulated Other Comprehensive Income (Loss), NetNumberÂ of Shares OutstandingAmountTreasury Stock, at CostAdditional Paid-in CapitalRetained Earnings (Deficit)Stockholdersâ€™ Equity (Deficit)Noncontrolling InterestTotal Equity (Deficit)Balance at April 28, 202464,594,260Â $785Â $(552,651)$490,507Â $(256,949)$5,210Â $(313,098)$â€”Â $(313,098)Net lossâ€”Â â€”Â â€”Â â€”Â (170,295)â€”Â (170,295)â€”Â (170,295)Other comprehensive lossâ€”Â â€”Â â€”Â â€”Â â€”Â (7,940)(7,940)â€”Â (7,940)Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) 10,378,431Â 100Â â€”Â 333,155Â â€”Â â€”Â 333,255Â â€”Â 333,255Â Share-based compensationâ€”Â â€”Â â€”Â 17,993Â â€”Â â€”Â 17,993Â â€”Â 17,993Â Treasury stock reissued to settle share-based awards145,482Â â€”Â 4,032Â (5,384)â€”Â â€”Â (1,352)â€”Â (1,352)Balance at July 28, 202475,118,173Â $885Â $(548,619)$836,271Â $(427,244)$(2,730)$(141,437)$â€”Â $(141,437)Six Months Ended July 28, 2024Common StockAccumulated Other Comprehensive Income (Loss), NetNumberÂ of Shares OutstandingAmountTreasury Stock,Â atÂ CostAdditional Paid-in CapitalRetained Earnings (Deficit)Stockholdersâ€™ Equity (Deficit)Noncontrolling InterestTotal Equity (Deficit)Balance at January 28, 202464,415,861Â $785Â $(556,888)$485,452Â $(233,790)$(2,993)$(307,434)$184Â $(307,250)Net lossâ€”Â â€”Â â€”Â â€”Â (193,454)â€”Â (193,454)â€”Â (193,454)Other comprehensive incomeâ€”Â â€”Â â€”Â â€”Â 263Â 263Â â€”Â 263Â Distribution to outside interest upon liquidation of a consolidated subsidiaryâ€”Â â€”Â â€”Â â€”Â â€”Â (184)(184)Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) 10,378,431Â 100Â â€”Â 333,155Â â€”Â â€”Â 333,255Â â€”Â 333,255Â Share-based compensationâ€”Â â€”Â â€”Â 29,475Â â€”Â â€”Â 29,475Â â€”Â 29,475Â Treasury stock reissued to settle share-based awards323,881Â â€”Â 8,269Â (11,811)â€”Â â€”Â (3,542)â€”Â (3,542)Balance at July 28, 202475,118,173Â $885Â $(548,619)$836,271Â $(427,244)$(2,730)$(141,437)$â€”Â $(141,437)The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.7SEMTECH CORPORATION AND SUBSIDIARIESCONSOLIDATED STATEMENTS OF STOCKHOLDERSâ€™ EQUITY (DEFICIT) (CONTINUED)(in thousands, except share data)(unaudited)Three Months Ended July 30, 2023Common StockAccumulated Other Comprehensive Income, NetNumberÂ of Shares OutstandingAmountTreasury Stock, at CostAdditional Paid-in CapitalRetained Earnings (Deficit)Stockholdersâ€™ Equity (Deficit)Noncontrolling InterestTotal Equity (Deficit)Balance at April 30, 202363,957,748Â $785Â $(575,317)$477,999Â $828,825Â $736Â $733,028Â $181Â $733,209Â Net lossâ€”Â â€”Â â€”Â (382,002)â€”Â (382,002)(1)(382,003)Other comprehensive incomeâ€”Â â€”Â â€”Â â€”Â â€”Â 5,116Â 5,116Â â€”Â 5,116Â Share-based compensationâ€”Â â€”Â â€”Â 11,503Â â€”Â â€”Â 11,503Â â€”Â 11,503Â Treasury stock reissued to settle share-based awards72,464Â â€”Â 2,327Â (3,137)â€”Â â€”Â (810)â€”Â (810)Balance at July 30, 202364,030,212Â $785Â $(572,990)$486,365Â $446,823Â $5,852Â $366,835Â $180Â $367,015Â Six Months Ended July 30, 2023Common StockAccumulated Other Comprehensive Income, NetNumberÂ of Shares OutstandingAmountTreasury Stock,Â atÂ CostAdditional Paid-in CapitalRetained Earnings (Deficit)Stockholdersâ€™ Equity (Deficit)Noncontrolling InterestTotal Equity (Deficit)Balance at January 29, 202363,870,581Â $785Â $(577,907)$471,374Â $858,240Â $3,360Â $755,852Â $183Â $756,035Â Net lossâ€”Â â€”Â â€”Â (411,417)â€”Â (411,417)(3)(411,420)Other comprehensive incomeâ€”Â â€”Â â€”Â â€”Â 2,492Â 2,492Â â€”Â 2,492Â Share-based compensationâ€”Â â€”Â â€”Â 22,323Â â€”Â â€”Â 22,323Â â€”Â 22,323Â Treasury stock reissued to settle share-based awards159,631Â â€”Â 4,917Â (7,332)â€”Â â€”Â (2,415)â€”Â (2,415)Balance at July 30, 202364,030,212Â $785Â $(572,990)$486,365Â $446,823Â $5,852Â $366,835Â $180Â $367,015Â The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.8SEMTECH CORPORATION AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands)(unaudited)Six Months EndedÂ July 28, 2024July 30, 2023Cash flows from operating activities:Net loss$(193,454)$(411,420)Adjustments to reconcile net loss to net cash used in operating activities:Depreciation and amortization23,071Â 46,565Â Amortization of right-of-use assets3,189Â 3,282Â Investment impairments and credit loss reserves, net1,109Â 260Â Goodwill impairmentâ€”Â 279,555Â Accretion of deferred financing costs4,758Â 3,103Â Write-off of deferred financing costs5,497Â 771Â Loss on extinguishment of debt143,467Â â€”Â Deferred income taxes(934)50,542Â Share-based compensation32,372Â 21,803Â Loss (gain) on disposition of business operations and assets91Â (17)Equity method (income) loss(50)19Â Gain from sale of investments(277)â€”Â Corporate-owned life insurance, net1,670Â 3,212Â Amortization of inventory step-upâ€”Â 3,314Â Changes in assets and liabilities:Accounts receivable, net(18,701)2,725Â Inventories(11,031)22,094Â Other assets3,705Â (11,179)Accounts payable31,084Â (37,730)Accrued liabilities(26,660)(71,211)Other liabilities(3,990)(7,680)Net cash used in operating activities(5,084)(101,992)Cash flows from investing activities:Proceeds from sales of property, plant and equipment73Â 42Â Purchase of property, plant and equipment(4,745)(20,897)Proceeds from sale of investments2,650Â â€”Â Purchase of investments(434)(930)Purchase of intangibles(5,018)(292)Proceeds from corporate-owned life insurance4,802Â 2,500Â Net cash used in investing activities(2,672)(19,577)Cash flows from financing activities:Proceeds from revolving line of creditâ€”Â 60,000Â Payments of term loansâ€”Â (11,187)Deferred financing costs(824)(11,671)Payments for employee share-based compensation payroll taxes(4,185)(2,415)Proceeds from exercise of stock options643Â â€”Â Distributions to noncontrolling interest(184)â€”Â Net cash (used in) provided by financing activities(4,550)34,727Â Effect of foreign exchange rate changes on cash and cash equivalents(351)(756)Net decrease in cash and cash equivalents(12,657)(87,598)Cash and cash equivalents at beginning of period128,585Â 235,510Â Cash and cash equivalents at end of period$115,928Â $147,912Â Supplemental disclosure of cash flow information:Interest paid$42,352Â $40,912Â Income taxes paid$3,809Â $15,612Â Non-cash investing and financing activities:Accounts payable related to capital expenditures$269Â $1,640Â Accrued deferred financing costs$383Â $349Â Debt extinguished in exchange for common stock$188,050Â $â€”Â The accompanying notes are an integral part of these interim unaudited condensed consolidated financial statements.9SEMTECH CORPORATION AND SUBSIDIARIESNOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited)Note 1: Organization and Basis of PresentationNature of BusinessSemtech Corporation (together with its consolidated subsidiaries, the "Company" or "Semtech") is a high-performance semiconductor, Internet of Things ("IoT") systems and cloud connectivity service provider. The end customers for the Companyâ€™s silicon solutions are primarily original equipment manufacturers that produce and sell technology solutions. The Companyâ€™s IoT module, router, gateway and managed connectivity solutions ship to IoT device makers and enterprises to provide IoT connectivity to end devices.The Company designs, develops, manufactures and markets a wide range of products for commercial applications, the majority of which are sold into the infrastructure, high-end consumer and industrial end markets. Basis of PresentationThe Company reports results on the basis of 52 and 53-week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The second quarter of fiscal years 2025 and 2024 each consisted of 13 weeks.Principles of ConsolidationThe accompanying interim unaudited condensed consolidated financial statements include the accounts of the Company and its majority-owned subsidiaries and have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Companyâ€™s Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024 ("Annual Report"). The Companyâ€™s interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations," the Companyâ€™s interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets," and the Company's interim unaudited condensed consolidated statements of cash flows are referred to herein as the "Statements of Cash Flows." In the opinion of the Company, these interim unaudited condensed consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position and results of operations of the Company for the interim periods presented. All intercompany balances have been eliminated. Because the interim unaudited condensed consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report. The results reported in these interim unaudited condensed consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year.Use of EstimatesThe preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.ReclassificationsDuring the third quarter of fiscal year 2024, the Company reclassified restructuring costs that were included in "Selling, general and administrative" and "Product development and engineering" within "Total operating expenses, net" in the Statements of Operations to be separately presented in "Restructuring" within "Total operating expenses, net" in the Statements of Operations. This was applied retrospectively and resulted in the reclassification of $5.4 million and $5.8 million of restructuring costs for the three and six months ended JulyÂ 30, 2023, respectively, from "Selling, general and administrative" and $4.0 million and $5.2 million of restructuring costs for the three and six months ended JulyÂ 30, 2023, respectively, from "Product development and engineering" to "Restructuring" in the Statements of Operations. This reclassification did not impact the Company's gross profit, operating income, net income or earnings per share for any historical periods and also did not impact the Balance Sheets or Statements of Cash Flows.LiquidityThe accompanying interim unaudited condensed consolidated financial statements have been prepared assuming that the Company will continue as a going concern, which contemplates the realization of assets and satisfaction of liabilities in the normal course of business. Management evaluated whether there are any conditions and events, considered in the aggregate, 10that raise substantial doubt about the Companyâ€™s ability to continue as a going concern over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements. As of JulyÂ 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt).Based on the Companyâ€™s current amount of debt outstanding and financial projections, management believes the Company will maintain compliance with its financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt), and that the Companyâ€™s existing cash, projected operating cash flows and available borrowing capacity under its Revolving Credit Facility (as defined in Note 9, Long-Term Debt) are adequate to meet its operating needs, liabilities and commitments over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements.Recent Accounting PronouncementsIn December 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, to require public business entities to disclose sufficient information to enable users of financial statements to understand the nature and magnitude of factors contributing to the difference between the effective tax rate and the statutory tax rate. The amendments in this update provide that a business entity disclose (1) a tabular income tax rate reconciliation, using both percentages and amounts, (2) separate disclosure of any individual reconciling items that are equal to or greater than 5% of the amount computed by multiplying the income (loss) from continuing operations before income taxes by the applicable statutory income tax rate, and disaggregation of certain items that are significant and (3) amount of income taxes paid (net of refunds received) disaggregated by federal, state and foreign jurisdictions, including separate disclosure of any individual jurisdictions representing greater than 5% of total income taxes paid. The amendments are effective for the Company for fiscal years beginning after December 15, 2024. Early adoption is permitted and entities may apply the amendments prospectively or may elect retrospective application. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify the circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment, and contain other disclosure requirements. The amendments require retrospective application to all periods presented. The amendments are effective for the Company for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.11Note 2: Acquisition Acquisition of Sierra Wireless, Inc.On January 12, 2023 (the "Acquisition Date"), the Company completed the acquisition of all of the issued and outstanding common shares of Sierra Wireless, Inc. ("Sierra Wireless") in an all-cash transaction representing a total purchase consideration of approximately $1.3Â billion (the "Sierra Wireless Acquisition"). The results of operations of Sierra Wireless have been included in the Statements of Operations since the Acquisition Date.The transaction was accounted for as a business combination in accordance with Accounting Standards Codification ("ASC") 805, "Business Combinations." The purchase price allocation for the Sierra Wireless Acquisition was completed during the third quarter of fiscal year 2024. The fair values of acquired intangibles were determined based on estimates and assumptions that were deemed reasonable by the Company. In the fourth quarter of fiscal year 2023, a preliminary goodwill balance of $931.4Â million was recognized for the excess of the consideration transferred over the net assets acquired and represented the expected revenue and cost synergies of the combined company and assembled workforce. During the first three quarters of fiscal year 2024, the Company finalized measurement period adjustments related to identifiable intangible assets, inventories, property, plant, and equipment, income and non-income based taxes, legal matters, and other assets and liabilities, which have been recorded to reflect facts and circumstances that existed as of the Acquisition Date. These adjustments increased the goodwill balance by $23.9Â million to $955.3Â million. In fiscal year 2024, the Company also finalized its determination of the reporting units related to the Sierra Wireless Acquisition and completed an allocation of the goodwill balance to these reporting units. The following table presents the fair values of assets and liabilities assumed on the Acquisition Date based on valuations and management's estimates:(in thousands)Amounts recognized as of Acquisition Date (as initially reported)Measurement period adjustmentAmounts recognized as of Acquisition Date (as adjusted)Total purchase price consideration, net of cash acquired $68,794$1,240,757Â $1,240,757Â Assets:Accounts receivable, net92,633Â â€”Â 92,633Â Inventories96,339Â (1,899)94,440Â Other current assets72,724Â 5,003Â 77,727Â Property, plant and equipment29,086Â (2,628)26,458Â Intangible assets214,780Â â€”Â 214,780Â Prepaid taxes3,001Â â€”Â 3,001Â Deferred tax assets22,595Â 285Â 22,880Â Other assets14,878Â â€”Â 14,878Â Liabilities:Accounts payable50,413Â 210Â 50,623Â Accrued liabilities148,654Â 26,232Â 174,886Â Deferred tax liabilities4,824Â 350Â 5,174Â Other long-term liabilities32,785Â (2,106)30,679Â Net assets acquired, excluding goodwill$309,360Â $(23,925)$285,435Â Goodwill$931,397Â $23,925Â $955,322Â 12Note 3: Loss per ShareThe computation of basic and diluted loss per share was as follows:Â Three Months EndedSix Months Ended(in thousands, except per share data)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Net loss attributable to common stockholders$(170,295)$(382,002)$(193,454)$(411,417)Weighted-average shares outstandingâ€“basic65,281Â 64,005Â 64,895Â 63,964Â Weighted-average shares outstandingâ€“diluted65,281Â 64,005Â 64,895Â 63,964Â Loss per share:Basic(2.61)(5.97)(2.98)(6.43)Diluted(2.61)(5.97)(2.98)(6.43)Anti-dilutive shares not included in the above calculations:Share-based compensation911Â 2,593Â 888Â 2,462Â Warrants8,573Â 8,573Â 8,573Â 8,573Â Total anti-dilutive shares9,484Â 11,166Â 9,461Â 11,035Â Basic earnings or loss per share is computed by dividing income or loss available to common stockholders by the weighted-average number of shares of common stock outstanding during the reporting period. Diluted earnings or loss per share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options and the vesting of restricted stock units, market-condition restricted stock units and financial metric-based restricted stock units if certain conditions have been met, but excludes such incremental shares that would have an anti-dilutive effect. Due to the Company's net loss for the three and six months ended JulyÂ 28, 2024, all shares underlying stock options and restricted stock units are considered

anti-dilutive.Any dilutive effect of the Warrants (as defined in Note 9, Long-Term Debt) is calculated using the treasury-stock method. During the three and six months ended JulyÂ 28, 2024, the Warrants were excluded from diluted shares outstanding because the exercise price exceeded the average market price of the Company's common stock for the reporting periods and due to net loss in such reporting periods.13Note 4: Share-Based CompensationFinancial Statement Effects and PresentationPre-tax share-based compensation was included in the Statements of Operations as follows: Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Cost of sales$714Â $525Â $1,396Â $888Â Selling, general and administrative12,982Â 9,409Â 24,373Â 13,911Â Product development and engineering3,442Â 3,465Â 6,603Â 7,004Â Total share-based compensation$17,138Â $13,399Â $32,372Â $21,803Â Restricted Stock Units, EmployeesThe Company grants restricted stock units to certain employees of which a portion are expected to be settled with shares of the Company's common stock and a portion are expected to be settled in cash. The restricted stock units that are to be settled with shares are accounted for as equity. The grant date for these awards is equal to the measurement date and they are valued as of the measurement date, based on the fair value of the Company's common stock at the grant date, and recognized as share-based compensation expense over the requisite vesting period (typically between 1 and 4 years). The restricted stock units that are to be settled in cash are accounted for as liabilities and the value of the awards is re-measured at the end of each reporting period until settlement at the end of the requisite vesting period (typically 3 years). In the six months ended JulyÂ 28, 2024, the Company granted to certain employees 893,114 restricted stock units that settle in shares with a weighted-average grant date fair value of $27.64.Restricted Stock Units, Non-Employee DirectorsThe Company maintains a compensation program pursuant to which restricted stock units are granted to the Companyâ€™s directors who are not employed by the Company or any of its subsidiaries. Under the Company's director compensation program, a portion of the restricted stock units granted under the program would be settled in cash and a portion would be settled in shares of the Company's common stock. Restricted stock units awarded under the program are generally scheduled to vest on the earlier of (i) one year after the grant date or (ii) the day immediately preceding the first annual meeting of the Company's stockholders following the grant. The portion of a restricted stock unit award under the program that is to be settled in cash will, subject to vesting, be settled when the director who received the award separates from service. The portion of a restricted stock unit award under the program that is to be settled in shares of stock will, subject to vesting, be settled promptly following vesting. In the six months ended JulyÂ 28, 2024, the Company granted to certain non-employee directors 25,713 restricted stock units that settle in cash and 25,713 restricted stock units that settle in shares with a weighted-average grant date fair value of $31.50.The restricted stock units that are to be settled in cash are accounted for as liabilities. These awards are not typically settled until a non-employee directorâ€™s separation from service. The value of both the unvested and vested but unsettled awards are re-measured at the end of each reporting period until settlement. In the six months ended JulyÂ 28, 2024, $1.4Â million was paid to settle the vesting of 44,018 cash-settled restricted stock unit awards upon the separation of service of a former director. As of JulyÂ 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 208,392 and the liability associated with these awards was $5.9Â million, of which $2.2Â million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $3.7Â million was included in "Other long-term liabilities" in the Balance Sheets as of JulyÂ 28, 2024. As of JanuaryÂ 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 230,231 and the liability associated with these awards was $4.4Â million, of which $1.8Â million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $2.6Â million was included in "Other long-term liabilities" in the Balance Sheets as of JanuaryÂ 28, 2024.Financial Metric-Based Restricted Stock Units with a Market ConditionThe Company grants financial metric-based restricted stock units with a market condition (the "Performance Awards") to certain executives of the Company, which are settled in shares and accounted for as equity awards. The Performance Awards have both a financial metric-based performance condition and a pre-defined market condition, which together determine the number of shares that ultimately vest, in addition to the condition of continued service. The number of vested shares for each of the three tranches of the awards, which are the one, two and three-year performance periods, is determined based on the Companyâ€™s attainment of pre-established revenue and non-GAAP operating income targets for the respective performance period. The vesting for tranches after the initial performance period is dependent on revenue and non-GAAP operating income for the preceding performance period. The market condition is determined based upon the Companyâ€™s total stockholder return 14("TSR") benchmarked against the TSR of an index over the three-year performance period. For fiscal year 2025 grants, the benchmark was against the Russell 3000 Index. The market condition functions as a catch-up provision in determining the vesting of the third tranche of the awards based on the performance over the full three-year performance period. Generally, the award recipients must be employed for the entire performance period and be an active employee at the time of vesting of the awards.The grant-date fair values of the first and second tranches of the Performance Awards are valued using the closing stock price on the grant date and the grant-date fair value of the third tranche of the Performance Awards is valued using a Monte Carlo simulation, which takes into consideration the possible outcomes pertaining to the TSR market condition. The compensation cost of the Performance Awards is recognized using the accelerated attribution method over the requisite service period based on the number of shares that are probable of attainment for each fiscal year.In the six months ended JulyÂ 28, 2024, the Company granted 443,943 Performance Awards. The weighted-average grant-date fair values for each of the one, two and three-year performance periods over which the Performance Awards vest were $36.26, $36.26 and $57.08, respectively. Under the terms of these awards, assuming the highest performance level of 200% with no cancellations due to forfeitures, the maximum potential number of shares that can be earned in aggregate for the cumulative fiscal years 2025, 2026 and 2027 performance periods would be 887,886 shares.Market-Condition Restricted Stock Units, EmployeesIn fiscal year 2022, the Company granted 54,928 restricted stock units to certain executives of the Company, which had a pre-defined market condition that determined the number of shares that would ultimately vest. These market-condition restricted stock unit awards ("Market-Condition Awards") were eligible to vest during the period that commenced on March 9, 2021 and ended on March 5, 2024 (the "Performance Period") as follows: the restricted stock units covered by the Market-Condition Awards would vest if, during any consecutive 30 trading day period that commenced and ended during the Performance Period, the average per-share closing price of the Companyâ€™s common stock equaled or exceeded $95.00. The Market-Condition Awards were valued as of the grant date using a Monte Carlo simulation model and expense was recognized on a straight-line basis over the requisite service period, adjusted for any actual forfeitures. The grant-date fair value per unit of the awards granted in fiscal year 2022 was $49.55. In fiscal years 2024 and 2023, 18,309 and 14,084, respectively, of the Market-Condition Awards were forfeited due to the terminations of certain officers. In the first quarter of fiscal year 2025, the Performance Period ended and the remaining 22,535 Market-Condition Awards were canceled as the target achievement level was not met.15Note 5: Available-for-sale securitiesThe following table summarizes the values of the Companyâ€™s available-for-sale securities:Â July 28, 2024January 28, 2024(in thousands)FairÂ ValueAmortizedCostGrossUnrealized LossFairÂ ValueAmortizedCostGrossUnrealized LossConvertible debt investments$12,294Â $14,303Â $(2,009)$12,117Â $14,454Â $(2,337)Total available-for-sale securities$12,294Â $14,303Â $(2,009)$12,117Â $14,454Â $(2,337)The following table summarizes the maturities of the Companyâ€™s available-for-sale securities:July 28, 2024(in thousands)FairÂ ValueAmortizedÂ CostWithin 1 year$12,294Â $14,303Â After 1 year through 5 yearsâ€”Â â€”Â Total available-for-sale securities$12,294Â $14,303Â The Company's available-for-sale securities consist of investments in convertible debt instruments issued by privately-held companies and are recorded at fair value. See Note 6, Fair Value Measurements, for further discussion of the valuation of the available-for-sale securities. The available-for-sale securities with maturities within one year are included in "Other current assets". Unrealized gains or losses, net of tax, are recorded in "Accumulated other comprehensive loss, net" in the Balance Sheets, and realized gains or losses, as well as current expected credit loss reserves were recorded in "Non-operating expense, net" in the Statements of Operations. 16Note 6: Fair Value MeasurementsThe following fair value hierarchy is applied for disclosure of the inputs used to measure fair value and prioritizes the inputs into three levels as follows:Level 1â€”Quoted prices in active markets for identical assets or liabilities.Level 2â€”Observable inputs other than Level 1 prices, such as quoted prices for similar assets and liabilities in active markets or other inputs that are observable for the assets or liabilities, either directly or indirectly.Level 3â€”Unobservable inputs based on the Companyâ€™s own assumptions, requiring significant management judgment or estimation.Instruments Measured at Fair Value on a Recurring BasisThe fair values of financial assets and liabilities measured and recorded at fair value on a recurring basis were presented in the Balance Sheets as follows:Â July 28, 2024January 28, 2024(in thousands)Total(LevelÂ 1)(Level 2)(LevelÂ 3)Total(LevelÂ 1)(Level 2)(LevelÂ 3)Financial assets:Interest rate swap agreement$7,636Â $â€”Â $7,636Â $â€”Â $7,321Â $â€”Â $7,321Â $â€”Â Convertible debt investments12,294Â â€”Â â€”Â 12,294Â 12,117Â â€”Â â€”Â 12,117Â Foreign currency forward contractsâ€”Â â€”Â â€”Â â€”Â 169Â â€”Â 169Â â€”Â Total financial assets$19,930Â $â€”Â $7,636Â $12,294Â $19,607Â $â€”Â $7,490Â $12,117Â Financial liabilities:Interest rate swap agreement$â€”Â $â€”Â $â€”Â $â€”Â $7Â $â€”Â $7Â $â€”Â Foreign currency forward contracts80Â â€”Â 80Â â€”Â â€”Â â€”Â â€”Â â€”Â Total financial liabilities$80Â $â€”Â $80Â $â€”Â $7Â $â€”Â $7Â $â€”Â During the six months ended JulyÂ 28, 2024, the Company had no transfers of financial assets or liabilities between Level 1, Level 2 or Level 3. As of JulyÂ 28, 2024 and JanuaryÂ 28, 2024, the Company had not elected the fair value option for any financial assets and liabilities for which such an election would have been permitted.The convertible debt investments are valued utilizing a combination of estimates that are based on the estimated discounted cash flows associated with the debt and the fair value of the equity into which the debt may be converted, all of which are Level 3 inputs.The following table presents a reconciliation of the changes in convertible debt investments in the six months ended JulyÂ 28, 2024:(in thousands)Balance at January 28, 2024$12,117Â Sales(222)Interest accrued399Â Balance at July 28, 2024$12,294Â The interest rate swap agreements are measured at fair value using readily available interest rate curves (Level 2 inputs). The fair value of each agreement is determined by comparing, for each settlement, the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" and "Other assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" and "Other long-term liabilities" in the Balance Sheets. The foreign currency forward contracts are measured at fair value using readily available foreign currency forward and interest rate curves (Level 2 inputs). The fair value of each contract is determined by comparing the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" in the Balance Sheets. See Note 17, Derivatives and Hedging Activities, for further discussion of the Companyâ€™s derivative instruments.17Instruments Not Recorded at Fair ValueSome of the Companyâ€™s financial instruments are not measured at fair value, but are recorded at amounts that approximate fair value due to their liquid or short-term nature. Such financial assets and financial liabilities include: cash and cash equivalents including money market deposits, net receivables, certain other assets, accounts payable, accrued expenses, accrued personnel costs, and other current liabilities. The Companyâ€™s revolving loans and Term Loans (as defined in Note 9, Long-Term Debt) are recorded at cost, which approximates fair value as the debt instruments bear interest at a floating rate. The 2027 Notes and 2028 Notes (as defined in Note 9, Long-Term Debt) are carried at face value less unamortized debt issuance costs, with interest expense reflecting the cash coupon plus the amortization of the capitalized issuance costs. The estimated fair values are determined based on the actual bid prices of the 2027 Notes and 2028 Notes as of the last business day of the period.The following table displays the carrying values and fair values of the 2027 Notes and 2028 Notes:Â July 28, 2024January 28, 2024(in thousands)Fair Value HierarchyCarrying ValueFair ValueCarrying ValueFair Value1.625% convertible senior notes due 2027, net (1)Level 2$311,768Â $357,696Â $310,563Â $262,571Â 4.00% convertible senior notes due 2028, net (2)Level 260,139Â 98,212Â 241,829Â 313,299Â Total long-term debt, net of debt issuance costs$371,907Â $455,908Â $552,392Â $575,870Â (1) The 1.625% convertible senior notes due 2027, net, are reflected net of $7.7 million and $8.9 million of unamortized debt issuance costs as of JulyÂ 28, 2024 and JanuaryÂ 28, 2024, respectively.(2) The 4.00% convertible senior notes due 2028, net, are reflected net of $1.8 million and $8.2 million of unamortized debt issuance costs as of JulyÂ 28, 2024 and JanuaryÂ 28, 2024, respectively.Assets and Liabilities Recorded at Fair Value on a Non-Recurring BasisThe Company reduces the carrying amounts of its intangible assets, long-lived assets and non-marketable equity securities to fair value when it determines they are impaired.Investment Impairments and Credit Loss ReservesThe total credit loss reserve for the Company's held-to-maturity debt securities and available-for-sale debt securities remained flat at $4.5 million as of JulyÂ 28, 2024 and JanuaryÂ 28, 2024. In the six months ended JulyÂ 28, 2024, the Company recorded an other-than-temporary impairment of $1.1 million on one of its non-marketable equity investments. Credit loss reserves related to the Companyâ€™s available-for-sale debt securities and held-to-maturity debt securities with maturities within one year are included in "Other current assets" in the Balance Sheets.18Note 7: InventoriesInventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value and consisted of the following:(in thousands)July 28, 2024January 28, 2024Raw materials and electronic components$48,797Â $46,425Â Work in progress83,396Â 69,404Â Finished goods23,818Â 29,163Â Total inventories$156,011Â $144,992Â 19Note 8: Goodwill and Intangible AssetsGoodwillThe carrying amounts of goodwill by applicable operating segment were as follows:(in thousands)Signal IntegrityAnalog Mixed Signal and Wireless IoT Systems and ConnectivityTotalBalance at January 28, 2024$267,205Â $83,101Â $190,921Â $541,227Â Cumulative translation adjustmentâ€”Â â€”Â (123)(123)Balance at July 28, 2024$267,205Â $83,101Â $190,798Â $541,104Â In the first quarter of fiscal year 2025, as a result of organizational restructuring, the Company combined the IoT Systems operating segment and the IoT Connected Services operating segment into the newly formed IoT Systems and Connectivity operating segment. There was no change to the reporting units. See Note 15, Segment Information, for further discussion of the Company's operating segments.Goodwill is not amortized, but is tested for impairment at the reporting unit level using either a qualitative or quantitative assessment on an annual basis during the fourth quarter of each fiscal year, and whenever events or changes in circumstances indicate that the carrying value may not be recoverable. Impairment of goodwill is measured at the reporting unit level by comparing the reporting unitâ€™s carrying amount, including goodwill, to the fair market value of the reporting unit. As of JulyÂ 28, 2024, there was no indication of impairment of the Company's goodwill balances and no goodwill impairment was recorded in the six months ended JulyÂ 28, 2024. During the second quarter of fiscal year 2024, as a result of reduced earnings forecasts associated with the business acquired from Sierra Wireless and macroeconomic conditions, including a rising interest rate environment, the Company performed an interim impairment test using a quantitative assessment of the reporting units related to the Sierra Wireless Acquisition (specifically, the IoT Connected Services, IoT Systemâ€”Modules and IoT Systemâ€”Routers reporting units). The interim impairment test resulted in $279.6Â million of total pre-tax non-cash goodwill impairment charges recorded in the Statements of Operations during the second quarter of fiscal year 2024, consisting of $69.0Â million of goodwill impairment for the IoT Connected Services reporting unit, $109.9Â million of goodwill impairment for the IoT Systemâ€”Modules reporting unit and $100.7Â million goodwill impairment for the IoT Systemâ€”Routers reporting unit. The fair values of these reporting units were determined based on a discounted cash flow model (an income approach) and earnings multiples (a market approach). Significant inputs to the reporting unit fair value measurements included forecasted cash flows, discount rates, terminal growth rates and earnings multiples, which were determined by management estimates and assumptions. The reporting unit fair value measurements are classified as Level 3 in the fair value hierarchy because they involve significant unobservable inputs.20Purchased and Other IntangiblesThe following table sets forth the Companyâ€™s finite-lived intangible assets, which are amortized over their estimated useful lives:Â July 28, 2024(in thousands, except estimated useful life)EstimatedUsefulÂ LifeGrossCarryingAmountAccumulatedAmortizationAccumulated ImpairmentNetÂ CarryingAmountCore technologies1-8 years$154,797Â $(39,525)$(91,792)$23,480Â Customer relationships1-10 years52,117Â (13,476)(34,777)3,864Â Trade name2-10 years9,000Â (3,058)(4,816)1,126Â Capitalized development costs3 years295Â (49)â€”Â 246Â Total finite-lived intangible assets$216,209Â $(56,108)$(131,385)$28,716Â January 28, 2024(in thousands, except estimated useful life)EstimatedUsefulÂ LifeGrossCarryingAmountAccumulatedAmortizationAccumulated ImpairmentNetÂ CarryingAmountCore technologies1-8 years$154,985Â $(35,130)$(91,792)$28,063Â Customer relationships1-10 years52,272Â (13,391)(34,777)4,104Â Trade name2-10 years9,000Â (2,700)(4,816)1,484Â Total finite-lived intangible assets$216,257Â $(51,221)$(131,385)$33,651Â Amortization expense of finite-lived intangible assets was as follows:Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Core technologies$2,279Â $10,573Â $4,560Â $21,428Â Customer relationships114Â 4,080Â 228Â 8,170Â Trade name168Â 791Â 361Â 1,583Â Capitalized development costs49Â â€”Â 49Â â€”Â Total amortization expense$2,610Â $15,444Â $5,198Â $31,181Â Amortization expense of finite-lived intangible assets related to core technologies was recorded in "Amortization of acquired technology" within "Total cost of sales" in the Statements of Operations and amortization expense of finite-lived intangible assets related to customer relationships and trade name was recorded in "Intangible amortization" within "Total operating expenses, net" in the Statements of Operations. Amortization expense of finite-lived intangible assets related to capitalized development costs was recorded in "Cost of sales" in the Statements of Operations.21Future amortization expense of finite-lived intangible assets is expected as

follows:(in thousands)Core TechnologiesCustomer RelationshipsTrade NameCapitalized Development CostsTotal2025 (remaining six months)$4,542Â $228Â $66Â $49Â $4,885Â 20268,598Â 457Â 133Â 98Â 9,286Â 20273,707Â 457Â 133Â 99Â 4,396Â 20283,550Â 457Â 133Â â€”Â 4,140Â 20293,083Â 382Â 133Â â€”Â 3,598Â Th expected amortization expense$23,480Â $3,864Â $1,126Â $246Â $28,716Â Also in "Other intangible assets, net" in the Balance Sheets, are finite-lived intangible assets to be amortized upon placement in service. The following table sets forth the Companyâ€™s finite-lived intangible assets not yet placed in service:(in thousands)Capitalized Development CostsSoftware LicensesTotalBalance at January 28, 2024$1,000Â $915Â $1,915Â Additions468Â 4,550Â 5,018Â Placed in service(295)â€”Â (295)Balance at July 28, 2024$1,173Â $5,465Â $6,638Â 22Note 9: Long-Term DebtLong-term debt and the current period interest rates were as follows:(in thousands, except percentages)July 28, 2024January 28, 2024Revolving loans$215,000Â $215,000Â Term loans622,625Â 622,625Â 1.625% convertible senior notes due 2027319,500Â 319,500Â 4.00% convertible senior notes due 202861,950Â 250,000Â Total debt$1,219,075Â $1,407,125Â Debt issuance costs(26,210)(36,086)Total long-term debt, net of debt issuance costs$1,192,865Â $1,371,039Â Weighted-average effective interest rate (1)6.15Â %5.86Â %(1) The revolving loans and Term Loans (as defined below) bear interest at variable rates based on Adjusted Term SOFR or a Base Rate (as defined in the Credit Agreement), at the Companyâ€™s option, plus an applicable margin that varies based on the Companyâ€™s consolidated leverage ratio. In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.58%, plus a variable margin and spread based on the Companyâ€™s consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0Â million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.44%, plus a variable margin and spread based on the Companyâ€™s consolidated leverage ratio. As of JulyÂ 28, 2024, the effective interest rate was a weighted-average rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.86% (total floating rate of 9.21%), (b) interest on $450.0Â million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0Â million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.85% (total floating rate of 9.20%), (e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. As of JanuaryÂ 28, 2024, the effective interest rate was a weighted average-rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.86% (total floating rate of 9.20%) (b) interest on $450.0Â million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.85% (total floating rate of 9.19%),(e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%.Credit AgreementOn NovemberÂ 7, 2019, we, with certain of our domestic subsidiaries as guarantors, entered into a credit agreement with the lenders party thereto and HSBC Bank USA, National Association ("HSBC Bank"), as administrative agent, swing line lender and letter of credit issuer. On September 26, 2022 (the "Third Restatement Effective Date"), the Company entered into a third amended and restated credit agreement (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") with the lenders party thereto, HSBC Bank, as resigning administrative agent, and JPMorgan Chase Bank, N.A. ("JPM"), as successor administrative agent, swing line lender and letter of credit issuer. The restated Credit Agreement, which was entered into substantially concurrently with the completion of the Sierra Wireless Acquisition on January 12, 2023 was entered into to, among other things, (i) extend the maturity date of $405.0Â million of the $600.0Â million in aggregate principal amount of revolving commitments thereunder from November 7, 2024 to January 12, 2028, (ii) provide for incurrence by the Company on January 12, 2023 of term loans (the "Term Loans") in an aggregate principal amount of $895.0Â million, which was used to fund a portion of the cash consideration for the Sierra Wireless Acquisition, (iii) provide for JPM to succeed HSBC Bank as administrative agent and collateral agent under the Credit Agreement on January 12, 2023, (iv) modify the maximum consolidated leverage covenant as set forth in the Credit Agreement, (v) replace LIBOR with adjusted term SOFR and (vi) make certain other changes as set forth in the restated Credit Agreement, including changes consequential to the incorporation of the Term Loan Facility.After effectiveness of the Third Amendment (as defined and described below), the borrowing capacity on the revolving credit facility under the Credit Agreement (the "Revolving Credit Facility") isÂ $500.0 million, of which $162.5 million is scheduled to mature on November 7, 2024 and $337.5 million is scheduled to mature on JanuaryÂ 12, 2028, and the Term Loans are scheduled to mature on JanuaryÂ 12, 2028 (subject to, in certain circumstances, an earlier springing maturity).As of JulyÂ 28, 2024, the Company had $622.6 million outstanding under the Term Loans and $215.0 million outstanding under the Revolving Credit Facility, which had available undrawn borrowing capacity of $282.2Â million, subject to net leverage limitations and customary conditions precedent, including the accuracy of representations and warranties and the absence of defaults.Up to $40.0Â million of the Revolving Credit Facility may be used to obtain letters of credit, up to $25.0Â million of the Revolving Credit Facility may be used to obtain swing line loans, and up to $75.0Â million of the Revolving Credit Facility may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars ("Alternative Currencies"). 23The proceeds of the Revolving Credit Facility may be used by the Company for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes.On February 24, 2023, the Company entered into the first amendment (the "First Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth therein, (iii) provide that, during the period that financial covenant relief pursuant to the First Amendment is in effect, the interest rate margin for (1) Term SOFR loans is deemed to be 2.50% and (2) Base Rate (as defined in the Credit Agreement) loans is deemed to be 1.50% per annum and (iv) make certain other changes as set forth therein.On June 6, 2023, the Company entered into the second amendment (the "Second Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein and described below, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth therein and described below, (iii) modify the pricing grid applicable to loans under the Credit Agreement during the covenant relief period as set forth therein and described below, (iv) impose a minimum liquidity covenant for certain periods during the covenant relief period as set forth therein and described below, (v) increase the annual amortization in respect of the term loans thereunder to 7.5% per annum for certain periods as set forth therein, (vi) impose an "anti-cash hoarding" condition to the borrowing of revolving loans as set forth therein, (vii) provide that the maturity date for the Term Loans and revolving loans shall be the day that is 91 days prior to the stated maturity date of the 2027 Notes and the 2028 Notes if such notes have not otherwise been refinanced or extended to at least 91 days after the stated maturity date of the Term Loans and revolving loans, the aggregate principal amount of non-extended outstanding 2027 Notes and 2028 Notes and certain replacement debt exceeds $50Â million and a minimum liquidity condition is not satisfied, (viii) provide for the reduction of the aggregate revolving commitments thereunder by $100Â million, (ix) require that the Company appoint a financial advisor and (x) make certain other modifications to the mandatory prepayments (including the imposition of an excess cash flow mandatory prepayment), collateral provisions and covenants (including additional limitations on debt, liens, investments and restricted payments such as dividends) as set forth therein.On October 19, 2023, the Company entered into the third amendment (the "Third Amendment") to the Credit Agreement, in order to, among other things, (i) extend the financial covenant relief period by one year to April 30, 2026, (ii) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth in the Third Amendment, (iii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth in the Third Amendment and (iv) make certain other changes as set forth therein. These amendments had the effect of extending and temporarily expanding financial covenant relief under the Credit Agreement previously provided for in the First Amendment and Second Amendment.Effective June 6, 2023, in connection with the Second Amendment, interest on loans made under the Credit Agreement in U.S. Dollars accrues, at the Company's option, at a rate per annum equal to (1) (x) the Base Rate (as defined in the Credit Agreement) plus (y) a margin ranging from 0.25% to 2.75% depending upon the Companyâ€™s consolidated leverage ratio (except that, during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), the margin will not be less than 2.25% per annum) or (2) (x) Term SOFR Rate (as defined in the Credit Agreement) plus (y) a credit spread adjustment of (i) for term loans, 0.10% and (ii) for revolving credit borrowings, 0.11%, 0.26% or 0.43% for one, three and six month interest periods, respectively, plus (z) a margin ranging from 1.25% to 3.75% depending upon the Company's consolidated leverage ratio (except that, during the period that financial covenant relief pursuant to the Third Amendment is in effect, the margin will not be less than 3.25% per annum) (such margin, the "Applicable Margin"). Interest on loans made under the Revolving Credit Facility in Alternative Currencies accrues at a rate per annum equal to a customary benchmark rate (including, in certain cases, credit spread adjustments) plus the Applicable Margin.All of the Company's obligations under the Credit Agreement are unconditionally guaranteed by all of the Companyâ€™s direct and indirect domestic subsidiaries, other than certain excluded subsidiaries, including, but not limited to, any domestic subsidiary the primary assets of which consist of equity or debt of non-U.S. subsidiaries, certain immaterial non-wholly-owned domestic subsidiaries and subsidiaries that are prohibited from providing a guarantee under applicable law or that would require governmental approval to provide such guarantee. The Company and the guarantors have also pledged substantially all of their assets to secure their obligations under the Credit Agreement.No amortization is required with respect to the revolving loans. Effective June 6, 2023, in connection with the Second Amendment, the Term Loans amortize (x) during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), in equal quarterly installments of 1.875% of the aggregate principal amount outstanding on the Third Restatement Effective Date, and (y) otherwise, in equal quarterly installments of 1.25% of the aggregate principal amount outstanding on the Third Restatement Effective Date, with the balance due at maturity. The Company may voluntarily prepay borrowings at any time and from time to time, without premium or penalty, other than customary "breakage costs" in certain circumstances. In the third quarter of fiscal year 2024, the Company 24made a $250Â million prepayment on the Term Loans in connection with the Third Amendment, after which there is no scheduled amortization remaining on the Term Loans.The Credit Agreement contains customary representation and warranties, and affirmative and negative covenants, including limitations on the Companyâ€™s ability to, among other things, incur indebtedness, create liens on assets, engage in certain fundamental corporate changes, make investments, repurchase stock, pay dividends or make similar distributions, engage in certain affiliate transactions, or enter into agreements that restrict the Company's ability to create liens, pay dividends or make loan repayments. In addition, the Company must comply with financial covenants which, after effectiveness of the Third Amendment are as follows (in each case, during the covenant relief period): â€¢maintaining a maximum consolidated leverage ratio, determined as of the last day of each fiscal quarter, of (i) 8.17 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 10.27 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 10.21 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 9.93 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 8.42 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 7.68 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii)) 6.75 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 6.28 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 5.81 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 5.30 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.75 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter, subject to increase to 4.25 to 1.00 for the four full consecutive fiscal quarters ending on or after the date of consummation of a permitted acquisition that constitutes a "Material Acquisition" under the Credit Agreement, subject to the satisfaction of certain conditions; â€¢maintaining a minimum consolidated interest expense coverage ratio, determined as of the last day of each fiscal quarter, of (i) 1.66 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 1.40 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 1.37 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 1.41 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 1.73 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 1.90 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii) 2.14 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 2.37 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 2.68 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 3.01 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.50 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter; andâ€¢until January 31, 2025, maintaining a minimum consolidated liquidity (as further defined in the Credit Agreement but excluding revolving credit commitments scheduled to expire in 2024) of $150Â million as of the last day of each monthly accounting period of the Company.Upon the termination of the covenant relief period under the Third Amendment, the ratio levels set forth above with respect to the leverage and interest expense coverage financial covenants are subject to step-up as set forth in the Credit Agreement, and the liquidity covenant shall no longer apply. Compliance with the leverage and interest expense coverage financial covenants is measured quarterly based upon the Companyâ€™s performance over the most recent four quarters, and compliance with the liquidity covenant is measured as of the last day of each monthly accounting period. As of JulyÂ 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement. See "Liquidity" in Note 1, Organization and Basis of Presentation, for additional information about compliance with the financial covenants.The Credit Agreement also contains customary provisions pertaining to events of default. If any event of default occurs, the obligations under the Credit Agreement may be declared due and payable, terminated upon written notice to us and existing letters of credit may be required to be cash collateralized.Convertible Senior Notes Due 2027On October 12, 2022 and October 21, 2022, the Company issued and sold $300.0Â million and $19.5Â million, respectively, in aggregate principal amount of 1.625% Convertible Senior Notes due 2027 (the "2027 Notes") in a private placement. The 2027 Notes were issued pursuant to an indenture, dated October 12, 2022, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2027 Indenture"). The 2027 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Companyâ€™s current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2027 Notes bear interest at a rate of 1.625% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2023. The 2027 Notes will mature on November 1, 2027, unless earlier converted, redeemed or repurchased.
The initial conversion rate of the 2027 Notes is 26.8325 shares of the Company's common stock per $1,000 principal amount of 2027 Notes (which is equivalent to an initial conversion price of approximately $37.27 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2027 Indenture but will not be adjusted for accrued 25and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2027 Indenture) or if the Company delivers a Notice of Sale Price Redemption (as defined in the 2027 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2027 Indenture for a holder who elects to convert its 2027 Notes in connection with such Make-Whole Fundamental Change or to convert its 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption in connection with such Notice of Sale Price Redemption, as the case may be. Prior to the close of business on the business day immediately preceding July 1, 2027, the 2027 Notes are convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ending on January 29, 2023 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2027 Indenture), as determined following a request by a holder of the 2027 Notes in accordance with the procedures described in the 2027 Indenture, per $1,000 principal amount of the 2027 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2027 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2027 Indenture. As of JulyÂ 28, 2024, none of the conditions allowing holders of the 2027 Notes to convert had been met. On or after July 1, 2027 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2027 Notes, holders of the 2027 Notes may convert all or a portion of their 2027 Notes, regardless of the foregoing conditions. Upon conversion, the 2027 Notes will be settled in cash up to the aggregate principal amount of the 2027 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Companyâ€™s option, in respect of the remainder, if any, of the Companyâ€™s conversion obligation in excess of the aggregate principal amount of the 2027 Notes being converted.The Company may not

redeem the 2027 Notes prior to November 5, 2025. The Company may redeem for cash all or any portion of the 2027 Notes (subject to the limitation described below), at the Companyâ€™s option, on or after November 5, 2025 and before the 61st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Companyâ€™s common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2027 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2027 Notes, at least $75.0Â million aggregate principal amount of the 2027 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2027 Notes.Upon the occurrence of a Fundamental Change (as defined in the 2027 Indenture) prior to the maturity date of the 2027 Notes, holders of the 2027 Notes may require the Company to repurchase all or a portion of the 2027 Notes for cash at a price equal to 100% of the principal amount of the 2027 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2027 Indenture).Convertible Note Hedge TransactionsOn October 6, 2022 and October 19, 2022, the Company entered into privately negotiated convertible note hedge transactions (the "Convertible Note Hedge Transactions") with an affiliate of one of the initial purchasers of the 2027 Notes and another financial institution (collectively, the "Counterparties") whereby the Company has the option to purchase the same number of shares of the Companyâ€™s common stock initially underlying the 2027 Notes in the aggregate for approximately $37.27 per share, which is subject to anti-dilution adjustments substantially similar to those in the 2027 Notes. The Convertible Note Hedge Transactions will expire upon the maturity of the 2027 Notes, if not earlier exercised. The Convertible Note Hedge Transactions are expected to reduce the potential dilution to the common stock upon the conversion of the 2027 Notes and/or offset any cash payments the Company is required to make in excess of the principal amount of converted 2027 Notes, as the case may be, in the event that the market price per share of common stock, as measured under the terms of the Convertible Note Hedge Transactions, is greater than the strike price of the Convertible Note Hedge Transactions, which initially corresponds to the initial conversion price of the 2027 Notes, or approximately $37.27 per share of the common stock. The Convertible Note Hedge Transactions are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Convertible Note Hedge Transactions. The Company used approximately $72.6Â million of the net proceeds from the offering of the 2027 Notes to pay the cost of the Convertible Note Hedge Transactions. The Convertible Note Hedge Transactions are recorded in additional paid-26in capital in the Balance Sheets as they do not require classification outside of equity pursuant to Accounting Standards Codification ("ASC") 480 and qualify for equity classification pursuant to ASC 815.Warrant TransactionsOn October 6, 2022 and on October 19, 2022, the Company separately entered into privately negotiated warrant transactions (the "Warrants") with the Counterparties whereby the holders of the Warrants have the option to acquire, collectively, subject to anti-dilution adjustments, approximately 8.6Â million shares of the Companyâ€™s common stock at an initial strike price of approximately $51.15 per share. The Warrants were sold in private placements to the Counterparties pursuant to an exemption from the registration requirements of the Securities Act of 1933, as amended (the "Securities Act"), afforded by Section 4(a)(2) of the Securities Act. If the market price per share of the common stock, as measured under the terms of the Warrants, exceeds the strike price of the Warrants, the Warrants could have a dilutive effect on the common stock, unless the Company elects, subject to certain conditions, to settle the Warrants in cash. The Warrants will expire over a period beginning in February 2028.The Warrants are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Warrants. The Company received aggregate proceeds of approximately $42.9Â million from the sale of the Warrants to the Counterparties. The Warrants are recorded in additional paid-in capital in the Balance Sheets as they do not require classification outside of equity pursuant to ASC 480 and qualify for equity classification pursuant to ASC 815.In combination, the Convertible Note Hedge Transactions and the Warrants are intended to synthetically increase the strike price of the conversion option of the 2027 Notes from approximately $37.27 to $51.15 (subject to adjustment in accordance with the terms of the agreements governing such transactions), with the expected result of reducing the dilutive effect of the 2027 Notes in exchange for a net cash premium of $29.7Â million.Convertible Senior Notes Due 2028On October 26, 2023, the Company issued and sold $250.0Â million in aggregate principal amount of 4.00% Convertible Senior Notes due 2028 (the "2028 Notes") in a private placement. The 2028 Notes were issued pursuant to an indenture, dated October 26, 2023, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2028 Indenture"). The 2028 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Companyâ€™s current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2028 Notes bear interest at a rate of 4.00% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2024. The 2028 Notes will mature on November 1, 2028, unless earlier converted, redeemed or repurchased. As of JulyÂ 28, 2024, approximately $62.0Â million of the 2028 Notes remained outstanding.The initial conversion rate of the 2028 Notes is 49.0810 shares of the Company's common stock per $1,000 principal amount of 2028 Notes (which is equivalent to an initial conversion price of approximately $20.37 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2028 Indenture but will not be adjusted for accrued and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2028 Indenture) or if the Company delivers a Notice of Redemption (as defined in the 2028 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2028 Indenture for a holder who elects to convert its 2028 Notes in connection with such Make-Whole Fundamental Change or to convert its 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption in connection with such Notice of Redemption, as the case may be. Prior to the close of business on the business day immediately preceding August 1, 2028, the 2028 Notes will be convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ended on January 28, 2024 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2028 Indenture), as determined following a request by a holder of the 2028 Notes in accordance with the procedures described in the Indenture, per $1,000 principal amount of the 2028 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2028 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2028 Indenture. As of JulyÂ 28, 2024, one of the conditions allowing the holders of the 2028 Notes to convert had been met. The trading price of the Companyâ€™s common stock remained above 130% of the applicable $20.37 conversion price for at least 20 trading days during the 30 consecutive-trading day period ending on, and including July 26, 2024 (the last trading day of the fiscal quarter ended JulyÂ 28, 2024) resulting in the right of 27the holders of the 2028 Notes to convert the 2028 Notes beginning July 29, 2024 through October 25, 2024 (the last trading day of the fiscal quarter ending October 27, 2024).In addition, on or after August 1, 2028 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2028 Notes, holders of the 2028 Notes may convert all or a portion of their 2028 Notes, regardless of the foregoing conditions. Upon conversion, the 2028 Notes will be settled in cash up to the aggregate principal amount of the 2028 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Companyâ€™s option, in respect of the remainder, if any, of the Companyâ€™s conversion obligation in excess of the aggregate principal amount of the 2028 Notes being converted. The Company may not redeem the 2028 Notes prior to November 5, 2026. The Company may redeem for cash all or any portion of the 2028 Notes (subject to the limitation described below), at the Companyâ€™s option, on or after November 5, 2026 and before the 41st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Companyâ€™s common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2028 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2028 Notes, at least $75.0Â million aggregate principal amount of the 2028 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2028 Notes.Upon the occurrence of a Fundamental Change (as defined in the 2028 Indenture) prior to the maturity date of the 2028 Notes, holders of the 2028 Notes may require the Company to repurchase all or a portion of the 2028 Notes for cash at a price equal to 100% of the principal amount of the 2028 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2028 Indenture).Exchange of 2028 NotesOn July 11, 2024 and July 15, 2024, the Company entered into separate, privately negotiated exchange agreements (the â€œExchange Agreementsâ€) with certain holders of the 2028 Notes. Pursuant to the Exchange Agreements, on July 24, 2024 certain holders exchanged with the Company approximately $188.1 million in aggregate principal amount of the 2028 Notes held by them for an aggregate of 10,378,431 shares of the Company's common stock, which number of shares was determined over an averaging period that commenced on July 12, 2024. The Company accounted for these exchange transactions as a partial debt extinguishment and recognized a loss on extinguishment of debt equal to the difference between the fair value of the Company's common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the three and six months ended JulyÂ 28, 2024, in connection with the exchange transactions, the Company recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations and $5.5 million of loss resulting from the write-off of deferred financing costs included in "Interest expense" in the Statements of Operations.Interest ExpenseInterest expense was comprised of the following components for the periods presented:Â Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Contractual interest$23,502Â $24,156Â $47,147Â $45,397Â Interest swap agreement(2,800)(2,445)(5,595)(4,590)Amortization of deferred financing costs2,379Â 1,689Â 4,758Â 3,103Â Write-off of deferred financing costs5,497771Â 5,497Â 771Â Total interest expense$28,578Â $24,171Â $51,807Â $44,681Â As of JulyÂ 28, 2024 and JanuaryÂ 28, 2024, there was $2.9Â million outstanding under the letters of credit, swing line loans and alternative currency sub-facilities under the Revolving Credit Facility.28Note 10: Income Taxes The Companyâ€™s effective tax rate differs from the statutory federal income tax rate of 21% primarily due to the regional mix of income, changes in valuation allowance, research and development ("R&D") tax credits and nondeductible loss on extinguishment of debt. The Tax Cuts and Jobs Act requires R&D costs incurred for tax years beginning after December 31, 2021 to be capitalized and amortized ratably over five or fifteen years for tax purposes, depending on where the research activities are conducted. The Company has elected to treat global intangible low-taxed income ("GILTI") as a period cost and the additional capitalization of R&D costs within GILTI increases the Company's provision for income taxes.In December 2021, the Organization for Economic Cooperation and Development ("OECD") published a framework for a new global minimum tax of 15% ("Pillar Two") on income arising in low-tax jurisdictions, and certain governments in countries where the Company operates have enacted local Pillar Two legislation, with an effective date from January 1, 2024. The Company currently does not expect Pillar Two to have a material impact on its provision for income taxes; however, any future changes in OECD guidance or interpretations could adversely impact the Companyâ€™s initial assessment.The Company uses a two-step approach to recognize and measure uncertain tax positions ("UTP"). The first step is to evaluate the tax position for recognition by determining if the weight of available evidence indicates that it is more likely than not that the position will be sustained in audit, including resolution of related appeals or litigation processes, if any. The second step is to measure the tax benefit as the largest amount that is more than 50% likely of being realized upon ultimate settlement.A reconciliation of the beginning and ending amount of gross unrecognized tax benefits (before the federal impact of state items) is as follows:(in thousands)Balance at January 28, 2024$36,548Â Additions based on tax positions related to the current fiscal year 588Â Decreases based on tax positions related to prior fiscal years(33)Balance at July 28, 2024$37,103Â Included in the balance of gross unrecognized tax benefits at JulyÂ 28, 2024 and JanuaryÂ 28, 2024 are $14.8 million and $14.6 million, respectively, of net tax benefits (after the federal impact of state items), that, if recognized, would impact the effective tax rate, prior to consideration of any required valuation allowance. The liability for UTP is reflected in the Balance Sheets as follows:Â Â Â Â Â Â Â Â (in thousands)July 28, 2024January 28, 2024Deferred tax assets - non-current$20,901Â $20,519Â Other long-term liabilities14,798Â 14,632Â Total accrued taxes$35,699Â $35,151Â The Companyâ€™s policy is to include net interest and penalties related to unrecognized tax benefits in the "Provision (benefit) for income taxes" in the Statements of Operations.Tax years prior to 2013 (the Companyâ€™s fiscal year 2014) are generally not subject to examination by the U.S. Internal Revenue Service except for items involving tax attributes that have been carried forward to tax years whose statute of limitations remains open. For state returns in the U.S., the Company is generally not subject to income tax examinations for calendar years prior to 2012 (the Companyâ€™s fiscal year 2013). The Company has a significant tax presence in Switzerland for which Swiss tax filings have been examined through fiscal year 2020. The Company is also subject to routine examinations by various foreign tax jurisdictions in which it operates. The Company believes that adequate provisions have been made for any adjustments that may result from tax examinations. However, the outcome of tax examinations cannot be predicted with certainty. If any issues addressed in the Companyâ€™s tax examinations are resolved in a manner not consistent with the Company's expectations, the Company could be required to adjust its provision for income taxes in the period such resolution occurs.The Companyâ€™s regional income or loss before taxes and equity method income or loss was as follows:Â Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Domestic$(170,591)$(73,470)$(189,460)$(92,311)Foreign4,511Â (251,929)3,127Â (264,915)Total$(166,080)$(325,399)$(186,333)$(357,226)29Note 11: Leases The Company has operating leases for real estate, vehicles, and office equipment, which are accounted for in accordance with ASC 842, "Leases." Real estate leases are used to secure office space for the Company's administrative, engineering, production support and manufacturing activities. The Company's leases have remaining lease terms of up to approximately eight years, some of which include options to extend the leases for up to five years, and some of which include options to terminate the leases within one year.The components of lease expense were as follows:Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Operating lease cost$1,807Â $2,167Â $3,697Â $4,316Â Short-term lease cost19Â 484Â 163Â 1,093Â Sublease income(140)(162)(296)(320)Total lease cost$1,686Â $2,489Â $3,564Â $5,089Â Supplemental cash flow information related to leases was as follows:Six Months Ended(in thousands)July 28, 2024July 30, 2023Cash paid for amounts included in the measurement of lease liabilities$4,035Â $4,280Â Right-of-use assets obtained in exchange for new operating lease liabilities$2,428Â $2,696Â July 28, 2024Weighted-average remaining lease termâ€“operating leases (in years)5.1Weighted-average discount rate on remaining lease paymentsâ€“operating leases7.0Â %Supplemental balance sheet information related to leases was as follows:(in thousands)July 28, 2024January 28, 2024Operating lease right-of-use assets in "Other assets"$23,501Â $23,870Â Operating lease liabilities in "Accrued liabilities"$6,599Â $6,560Â Operating lease liabilities in "Other long-term liabilities"20,692Â 22,033Â Total operating lease liabilities$27,291Â $28,593Â Maturities of lease liabilities as of JulyÂ 28, 2024 are as follows:(in thousands)Fiscal Year Ending:2025 (remaining six months)$4,560Â 20267,495Â 20275,603Â 20285,073Â 20294,193Â Thereafter5,966Â Total lease payments32,890Â Less: imputed interest(5,599)Total$27,291Â 30Note 12: Commitments and ContingenciesLegal MattersFrom time to time, the Company is involved in various claims, litigation, and other legal actions that are normal to the nature of its business, including with respect to intellectual property, contract, product liability, employment, and environmental matters. In accordance with ASC 450-20, "Loss Contingencies," the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if material and if the amount can be reasonably estimated. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. However, for liabilities that are reasonably possible but not probable, the Company discloses the amount of reasonably possible loss or range of reasonably possible loss, if material and if the amount can be reasonably estimated. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to

various reasons, including, among others: (i)Â if the damages sought are indeterminate, (ii)Â if the proceedings are in early stages, (iii)Â if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv)Â if there are significant factual issues to be determined or resolved, and (v)Â if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any.Because the outcomes of litigation and other legal matters are inherently unpredictable, the Companyâ€™s evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Companyâ€™s financial condition and results of operations in any given reporting period. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Companyâ€™s financial condition, results of operations or cash flows. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Companyâ€™s control.As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Companyâ€™s business, financial condition, operating results, or cash flows.On June 14, 2022, Denso Corporation, and several of its affiliates (collectively "Denso"), filed a complaint against Sierra Wireless and several of its affiliates ("Sierra Entities") in the Superior Court of California, County of San Diego. Denso asserted eight causes of action, including claims for breach of express and implied warranties, equitable indemnification, negligent and intentional misrepresentation, unjust enrichment, promissory estoppel, and declaratory judgment, based on an alleged defect related to the GPS week number rollover date. Denso alleged that it incurred in excess of $84Â million in damages and costs to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Denso filed an amended complaint on September 23, 2022, asserting essentially the same eight causes of action. After briefing on a demurrer and initial discovery, the parties' reached a settlement agreement on September 18, 2023 with payments to Denso to be made in four quarterly installments. The final installment payment was made in June 2024 and the case was dismissed with prejudice.On March 25, 2022, Harman Becker Automotive Systems GmbH, and several of its affiliates (collectively "Harman"), filed a complaint against certain Sierra Entities in the District Court of Munich, Germany. Harman asserted claims that the Sierra Entities, in connection with the delivery of certain modules by the Sierra Entities, violated a frame supply agreement, a quality assurance agreement and the United Nations Convention on Contracts for the International Sales of Goods. Harman alleged that it incurred approximately $16Â million in damages and costs, the bulk of which amount related to settling with a customer that had to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Since the case is at an early stage, at this time, the Company is unable to form a conclusion as to the likelihood of an unfavorable outcome or the amount or range of any possible loss resulting from the alleged claims. The Company intends to defend the claims vigorously.Environmental MattersThe Company vacated a former facility in Newbury Park, California in 2002, but continues to address groundwater and soil contamination at the site. The Companyâ€™s efforts to address site conditions have been at the direction of the Los Angeles Regional Water Quality Control Board ("RWQCB"). In October 2013, an order was issued including a scope of proposed additional site work, monitoring, and remediation activities.Â The Company has been complying with RWQCB orders and direction, and continues to implement an approved remedial action plan addressing the soil, groundwater, and soil vapor at the site.Â The Company has accrued liabilities where it is probable that a loss will be incurred and the cost or amount of loss can be reasonably estimated. Based on the latest determinations by the RWQCB and the most recent actions taken pursuant to the remedial action plan, the Company estimates the total range of probable loss to be between $7.9 million and $9.4 million. To date, the Company has made $7.3 million in payments towards the remedial action plan. As of JulyÂ 28, 2024, the estimated range of probable loss remaining was between $0.6 million and $2.1 million. Given the uncertainties associated with environmental assessment and the remediation activities, the Company is unable to determine a best estimate within the range of loss. Therefore, the Company has recorded the minimum amount of probable loss and as of JulyÂ 28, 2024, has a remaining accrual of $0.6 million related to this matter. These estimates could change as a result of changes in planned remedial actions, further actions from the regulatory agency, remediation technology, and other factors.Indemnification The Company has entered into agreements with its current and former executives and directors indemnifying them against certain liabilities incurred in connection with the performance of their duties. The Companyâ€™s Certificate of Incorporation and Bylaws also contain indemnification obligations with respect to the Companyâ€™s current directors and employees.The Company is a party to a variety of agreements in the ordinary course of business under which the Company may be obligated to indemnify a third party with respect to certain matters. The impact on the Company's future financial results is not subject to reasonable estimation because considerable uncertainty exists as to the final outcome of any claims and whether claims will be made. Product WarrantiesThe Companyâ€™s general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances, the Company has agreed to other or additional warranty terms, including indemnification provisions.The product warranty accrual reflects the Companyâ€™s best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense and the related accrual has been immaterial to the Companyâ€™s consolidated financial statements.LicensesUnder certain license agreements, the Company is committed to make royalty payments based on the sales of products using certain technologies. The Company recognizes royalty obligations as determinable in accordance with agreement terms.Deferred CompensationThe Company maintains a deferred compensation plan for certain officers and key executives that allows participants to defer a portion of their compensation for future distribution at various times permitted by the plan. This plan provides for a discretionary Company match up to a defined portion of the employee's deferral, with any match subject to a defined vesting schedule.The Company's liability for the deferred compensation plan is presented below:(in thousands)July 28, 2024January 28, 2024Accrued liabilities$4,015Â $7,412Â Other long-term liabilities33,160Â 32,288Â Total deferred compensation liabilities under this plan$37,175Â $39,700Â The Company has purchased whole life insurance on the lives of certain current deferred compensation plan participants. This corporate-owned life insurance is held in a grantor trust and is intended to cover a majority of the Company's costs of the deferred compensation plan. The cash surrender value of the Company's corporate-owned life insurance is presented below:(in thousands)July 28, 2024January 28, 2024Other current assets$â€”Â $4,538Â Other assets27,451Â 25,098Â Total cash surrender value of corporate-owned life insurance$27,451Â $29,636Â 31Note 13: RestructuringThe Company has undertaken structural reorganization actions to reduce its workforce as a result of cost-saving measures and internal resource alignment including from the realization of synergies of the Sierra Wireless Acquisition. The Company had restructuring charges of $1.5 million and $3.8 million in the three and six months ended JulyÂ 28, 2024, respectively, compared to restructuring charges of $9.8 million and $11.8 million in the three and six months ended JulyÂ 30, 2023, respectively. Restructuring related liabilities are included in "Accrued liabilities" in the Balance Sheets.Restructuring activity is summarized as follows:(in thousands)One-time employee termination benefitsOther restructuringTotalBalance at January 28, 2024$5,799Â $478Â $6,277Â Charges 3,706Â 104Â 3,810Â Cash payments(7,487)(548)(8,035)Balance at July 28, 2024$2,018Â $34Â $2,052Â Restructuring charges were included in the Statements of Operations as follows: Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Cost of sales$â€”Â $362Â $â€”Â $859Â Restructuring1,541Â 9,399Â 3,810Â 10,962Â Total restructuring charges$1,541Â $9,761Â $3,810Â $11,821Â 32Note 14: Concentration of RiskThe following significant customers accounted for at least 10% of the Company's net sales in one or more of the periods indicated: ThreeÂ MonthsÂ EndedSix Months Ended(percentage of net sales) (1)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Frontek Technology Corporation (and affiliates)13%*13%*Trend-tek Technology Ltd. (and affiliates)10%*10%*(1) In each period with an asterisk, the customer represented less than 10% of the Company's net sales.The following table shows the customers that have an outstanding receivable balance that represents at least 10% of the Company's total net receivables as of one or more of the dates indicated:(percentage of net receivables) (1)July 28, 2024January 28, 2024Frontek Technology Corporation (and affiliates)14%15%Trend-tek Technology Ltd (and affiliates)12%*(1) In each period with an asterisk, the customer represented less than 10% of the Company's total net receivables.Outside Subcontractors and SuppliersThe Company relies on a limited number of third-party subcontractors and suppliers for the supply of silicon wafers, chipsets and other electronic components, and for product manufacturing, packaging, testing and certain other tasks. Disruption or termination of supply sources or subcontractors have delayed and could in the future delay shipments and could have a material adverse effect on the Company. Although there are generally alternate sources for these materials and services, qualification of the alternate sources could cause delays sufficient to have a material adverse effect on the Company. A significant amount of the Companyâ€™s third-party subcontractors and suppliers, including third-party foundries that supply silicon wafers, are located in the U.S., China, and Taiwan. A significant amount of the Companyâ€™s assembly and test operations are conducted by third-party contractors in China, Malaysia, Mexico, Taiwan, and Vietnam.33Note 15: Segment InformationThe Companyâ€™s Chief Executive Officer functions as the chief operating decision maker ("CODM"). The CODM makes operating decisions and assesses performance based on the Company's major product lines, which represent its operating segments. The Company currently has three operating segmentsâ€”Signal Integrity, Analog Mixed Signal and Wireless, and IoT Systems and Connectivityâ€”that represent three separate reportable segments. Prior to the fourth quarter of fiscal year 2024, the Company had four operating segmentsâ€”Signal Integrity, Advanced Protection and Sensing, IoT Systems and IoT Connected Services. In the fourth quarter of fiscal year 2024, as a result of organizational restructuring, the wireless business, which was previously included in the former IoT Systems operating segment, and the software defined video over ethernet business, which was previously included in the Signal Integrity operating segment, were moved into the Analog Mixed Signal and Wireless operating segment, formerly the Advanced Protection and Sensing operating segment, which also includes the proximity sensing, power and protection businesses. In the first quarter of fiscal year 2025, as a result of organizational restructuring, the Company combined the IoT Systems operating segment and the IoT Connected Services operating segment into the newly formed IoT Systems and Connectivity operating segment. As a result of the reorganization, the Company has three reportable segments. All prior year information in the tables below has been revised retrospectively to reflect the change to the Company's reportable segments. The Companyâ€™s assets are commingled among the various operating segments and the CODM does not use asset information in making operating decisions or assessing performance. Therefore, the Company has not included asset information by reportable segment in the segment disclosures below.Net sales and gross profit by reportable segment were as follows:Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Net sales:Signal Integrity $59,434Â 28Â %$46,126Â 19Â %$117,733Â 28Â %$87,017Â 18Â %Analog Mixed Signal and Wireless 79,311Â 37Â %69,989Â 29Â %154,655Â 37Â %129,608Â 27Â %IoT Systems and Connectivity76,610Â 35Â %122,257Â 52Â %149,072Â 35Â %258,286Â 55Â %Total net sales$215,355Â 100Â %$238,372Â 100Â %$421,460Â 100Â %$474,911Â 100Â %Gross profit:Signal Integrity$36,768Â $27,606Â $71,529Â $52,093Â Analog Mixed Signal and Wireless45,399Â 43,123Â 86,103Â 79,597Â IoT Systems and Connectivity27,111Â 47,349Â 54,205Â 101,157Â Unallocated costs, including share-based compensation and amortization of acquired technology(3,814)(17,350)(6,781)(29,173)Total gross profit$105,464Â $100,728Â $205,056Â $203,674Â Geographic InformationNet sales activity by geographic region was as follows:Â Three Months EndedSix Months Ended(percentage of total net sales)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Asia-Pacific65%62%64%57%North America21%24%22%28%Europe14%14%14%15%100%100%100%100%34The Company attributes sales to a country based on the ship-to address. The table below summarizes sales activity to geographies that represented greater than 10% of total sales for at least one of the periods presented:Â Three Months EndedSix Months Ended(percentage of total net sales)July 28, 2024July 30, 2023July 28, 2024July 30, 2023China (including Hong Kong)45%29%44%27%United States20%23%20%25%Although a large percentage of the Company's products is shipped into the Asia-Pacific region, a significant number of products produced by these customers and incorporating the Company's semiconductor products are then sold outside this region.Sales by Revenue TypeNet sales by revenue type were as follows:Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Net sales:Product sales$185,966Â 86Â %$210,196Â 88Â %$363,455Â 86Â %$417,577Â 88Â %Service revenue29,389Â 14Â %28,176Â 12Â %58,005Â 14Â %57,334Â 12Â %Total net sales$215,355Â 100Â %$238,372Â 100Â %$421,460Â 100Â %$474,911Â 100Â %35Note 16: Stock Repurchase ProgramThe Company maintains a stock repurchase program that was initially approved by its board of directors (the "Board of Directors") in March 2008. The stock repurchase program does not have an expiration date and the Board of Directors has authorized expansion of the program over the years. On March 11, 2021, the Board of Directors approved the expansion of the stock repurchase program by an additional $350.0Â million. There was no activity under the stock repurchase program during the three and six months ended JulyÂ 28, 2024 and JulyÂ 30, 2023. As of JulyÂ 28, 2024, the remaining authorization under the program was $209.4 million. Under the program, the Company may repurchase its common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. The Companyâ€™s repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. To the extent the Company repurchases any shares of its common stock under the program in the future, the Company expects to fund such repurchases from cash on hand and borrowings on its Revolving Credit Facility. The Company has no obligation to repurchase any shares under the program and may suspend or discontinue it at any time. 36Note 17: Derivatives and Hedging Activities The Company is exposed to certain risks arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company occasionally uses derivative financial instruments, in the form of forward contracts, to mitigate a portion of the risk associated with adverse movements in these foreign currency exchange rates during a twelve-month window. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date. The Companyâ€™s accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company applied hedge accounting to all foreign currency derivatives and designated these hedges as cash flow hedges. The Company's foreign currency forward contracts had the following outstanding balances:July 28, 2024January 28, 2024(in thousands, except number of instruments)Number of InstrumentsSell Notional ValueBuy Notional ValueNumber of InstrumentsSell Notional ValueBuy Notional ValueSell USD/Buy CAD Forward Contract4$5,115Â $6,950Â 10$12,899Â $17,550Â Total410These foreign currency forward contracts were designated as cash flows hedges and the unrealized gains or losses, net of tax, were recorded as a component of "Accumulated other comprehensive income or loss, net" ("AOCI") in the Balance Sheets. The effective portions of the cash flow hedges were recorded in AOCI until the hedged items were recognized in either "Selling, general and administrative expense" or "Product development and engineering expense" in the Statements of Operations once the foreign exchange contract matured, offsetting the underlying hedged expenses. Any ineffective portions of the cash flow hedges were recorded in "Non-operating income, net" in the Statements of Operations. The Company presents its derivative assets and liabilities at their gross fair values in the Balance Sheets.In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.58%, plus a variable margin and spread based on the Companyâ€™s consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.44%, plus a variable margin and spread based on the Companyâ€™s consolidated leverage ratio. The interest rate swap agreements have been designated as cash flow hedges and unrealized gains or losses, net of income tax, are recorded as a component of AOCI in the Balance Sheets. As the various settlements are made on a monthly basis, the realized gain or loss on the settlements are recorded in "Interest expense" in the Statements of Operations. The interest rate swap agreements resulted in a realized gain of $2.8Â million for the three months ended JulyÂ 28, 2024, compared to a realized gain of $2.4Â million for the three months ended JulyÂ 30, 2023. The interest rate swap agreements resulted in a realized gain of $5.6Â million for the six months ended JulyÂ 28, 2024, compared to a realized gain of $4.6Â million for the six months ended JulyÂ 30, 2023. 37The fair values of the Company's instruments that qualify as cash flow hedges in the Balance Sheets were as follows:(in thousands)July 28, 2024January 28, 2024Interest rate swap agreement$6,774Â $7,144Â Foreign currency forward contractsâ€”Â 168Â Total other current assets$6,774Â $7,312Â Interest rate swap agreement$862Â $178Â Total other long-term assets$862Â $178Â Foreign currency forward contracts$80Â $â€”Â Total accrued liabilities$80Â $â€”Â Interest rate swap agreementâ€”Â 7Â Total other long-term liabilities$â€”Â $7Â During fiscal year 2021, the Company entered into an economic hedge program that used total return swap contracts to hedge the market risk associated with the unfunded portion of the Company's

deferred compensation liability. The total return swap contracts generally had a duration of one month and were rebalanced and re-hedged at the end of each monthly term. While the total return swap contracts were treated as economic hedges, the Company did not designate them as hedges for accounting purposes. The total return swap contracts were measured at fair value and recognized in the Balance Sheets in "Accrued Liabilities" if the instruments were in a loss position and in "Other Current Assets" if the instruments were in a gain position. Unrealized gains and losses, as well as realized gains and losses for settlements, on the total return swap contracts were recognized in "Selling, general and administrative expenses" in the Statements of Operations. The total return swap contracts, which matured during fiscal year 2024, resulted in net gains recognized in earnings of $0.3Â million and $0.2Â million for the three and six months ended JulyÂ 30, 2023, respectively. 38ITEM 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsThe following "Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations" should be read in conjunction with our interim unaudited condensed consolidated financial statements and the accompanying notes included in Part I, Item 1 of this Quarterly Report on Form 10-Q (this "Quarterly Report") and "Special Note Regarding Forward-Looking and Cautionary Statements" in this Quarterly Report as well as â€œRisk Factorsâ€ included in our Annual Report on Form 10-K for the fiscal year ended January 28, 2024 filed with the Securities and Exchange Commission (the â€œSECâ€) on March 28, 2024. Our interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets" and interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations." Amounts and percentages may not add precisely due to rounding.OverviewSemtech Corporation (together with its consolidated subsidiaries, the "Company," "we," "our" or "us") is a high-performance, semiconductor, Internet of Things ("IoT") systems and cloud connectivity service provider. We have three operating segmentsâ€”Signal Integrity, Analog Mixed Signal and Wireless, and IoT Systems and Connectivityâ€”that represent three separate reportable segments. Prior to the fourth quarter of fiscal year 2024, the Company had four operating segmentsâ€”Signal Integrity, Advanced Protection and Sensing, IoT Systems and IoT Connected Services. In the fourth quarter of fiscal year 2024, as a result of organizational restructuring, the wireless business, which was previously included in the former IoT Systems operating segment, and the software defined video over ethernet business, which was previously included in the Signal Integrity operating segment, were moved into the Analog Mixed Signal and Wireless operating segment, formerly the Advanced Protection and Sensing operating segment, which also includes the proximity sensing, power and protection businesses. In the first quarter of fiscal year 2025, as a result of organizational restructuring, the Company combined the IoT Systems operating segment and the IoT Connected Services operating segment into the newly formed IoT Systems and Connectivity operating segment. As a result of the reorganization, the Company has three reportable segments. All prior year information in the tables below has been revised retrospectively to reflect the change to the Company's reportable segments. See Part I, Item 1, Note 15, Segment Information, to our interim unaudited condensed consolidated financial statements for additional information on our reportable segments. Signal Integrity. We design, develop, manufacture and market a portfolio of optical and copper data communications and video transport products used in a wide variety of infrastructure and industrial applications. Our comprehensive portfolio includes integrated circuits ("ICs") for data centers, enterprise networks, passive optical networks ("PON"), and wireless base station optical transceivers. Our high-speed interfaces range from 100Mbps to 1.6Tbps and support key industry standards such as Fibre Channel, InfiniBand, Ethernet, PON and synchronous optical networks. Our video products offer advanced solutions for next generation high-definition broadcast applications. Analog Mixed Signal and Wireless. We design, develop, manufacture and market high-performance protection devices, which are often referred to as transient voltage suppressors ("TVS") and specialized sensing products. TVS devices provide protection for electronic systems where voltage spikes (called transients), such as electrostatic discharge, electrical over stress or secondary lightning surge energy, can permanently damage sensitive ICs. Our portfolio of protection solutions include filter and termination devices that are integrated with the TVS device. Our products provide robust protection while preserving signal integrity in high-speed communications, networking and video interfaces. These products also operate at very low voltage. Our protection products can be found in a broad range of applications including smart phones, LCD and organic light-emitting diode TVs and displays, set-top boxes, monitors and displays, tablets, computers, notebooks, base stations, routers, automobile and industrial systems. Our unique sensing technology enables proximity sensing and advanced user interface solutions for our mobile and consumer products. We also design, develop, manufacture and market a portfolio of specialized radio frequency products used in a wide variety of industrial, medical and communications applications. Our wireless products, which include our LoRaÂ® devices and wireless radio frequency technology ("LoRa Technology"), feature industry leading and longest range industrial, scientific and medical radio, enabling a lower total cost of ownership and increased reliability. These features make these products particularly suitable for machine-to-machine and IoT applications. We also design, develop, and market power product devices that control, alter, regulate, and condition the power within electronic systems focused on the LoRa and IoT infrastructure segment. The highest volume product types within this category are switching voltage regulators, combination switching and linear regulators, smart regulators, isolated switches, and wireless charging. Our video products offer advanced solutions for highly differentiated audio video-over-IP technology for professional audio video applications.IoT Systems and Connectivity. We design, develop, operate and market a comprehensive product portfolio of IoT solutions that enable businesses to connect and manage their devices, collect and analyze data, and improve decision-making. The portfolio includes a wide range of modules, gateways, routers, and connected services that are designed to meet the specific needs of different industries and applications. Our modules are available in a variety of form factors and connectivity options, including LTE-M, NB-IoT and 5G, and can be integrated into an array of devices and systems. Our gateways and routers are designed to provide reliable and secure connectivity for IoT devices, while our connected services enable businesses to manage devices and connectivity so businesses can navigate the complex IoT landscape and realize the full potential of connected devices. We also 39design, develop, operate and market a portfolio of connected services used in a wide variety of industrial, medical and communications applications. Our connected services include wireless connectivity and cloud-based services for customers to deploy, connect, and operate their end applications. Our services have been purpose-built for IoT applications and include features such as SIM and subscription management, device and data management, geolocation support, as well as reporting and alerting that can be configured or tailored to a variety of IoT use cases. Our net sales by reportable segment were as follows:Â Three Months EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Signal Integrity$59,434Â $46,126Â $117,733Â $87,017Â Analog Mixed Signal and Wireless79,311Â 69,989Â 154,655Â 129,608Â IoT Systems and Connectivity76,610Â 122,257Â 149,072Â 258,286Â Total$215,355Â $238,372Â $421,460Â $474,911Â We design, develop, manufacture and market a wide range of products for commercial applications, the majority of which are sold into the infrastructure, high-end consumer and industrial end markets.Infrastructure: data centers, PON, base stations, optical networks, servers, carrier networks, switches and routers, cable modems, wireless local area network and other communication infrastructure equipment.High-End Consumer: smartphones, tablets, wearables, desktops, notebooks, and other handheld products, wireless charging, set-top boxes, digital televisions, monitors and displays, digital video recorders and other consumer equipment.Industrial: IoT applications, analog and digital video broadcast equipment, video-over-IP solutions, automated meter reading, smart grid, wireless charging, medical, security systems, automotive, industrial and home automation and other industrial equipment.Our end customers for our silicon solutions are primarily original equipment manufacturers that produce and sell technology solutions. Our IoT module, router, gateways and managed connectivity solutions ship to IoT device makers and enterprises to provide IoT connectivity to end devices. Recent DevelopmentsLeadership ChangesEffective June 6, 2024, our board of directors (the â€œBoardâ€ or â€œBoard of Directorsâ€) appointed Hong Q. Hou, a current member of our Board, to serve as our President and Chief Executive Officer. Mr. Hou succeeded Paul Pickle as our President and Chief Executive Officer on such date. Convertible Note ExchangeOn July 11, 2024 and July 15, 2024, we entered into separate, privately negotiated exchange agreements (the â€œExchange Agreementsâ€) with certain holders of our 4.00% Convertible Senior Notes due 2028 (the â€œ2028 Notesâ€). Pursuant to the Exchange Agreements, on July 24, 2024 certain holders exchanged with us approximately $188.1 million in aggregate principal amount of the 2028 Notes held by them for an aggregate of 10,378,431 shares of our common stock, which number of shares was determined over an averaging period that commenced on July 12, 2024. We accounted for these exchange transactions as a partial debt extinguishment and recognized a loss on extinguishment of debt equal to the difference between the fair value of our common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the three and six months ended JulyÂ 28, 2024, in connection with the exchange transactions, we recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations and $5.5 million of loss resulting from the write-off of deferred financing costs included in "Interest expense" in the Statements of Operations.Impact of Macroeconomic ConditionsIn recent periods, macroeconomic factors such as market volatility, inflationary pressures, elevated interest rates, geopolitical tensions and recessionary concerns have caused uncertainty in end customer demand, which resulted in elevated channel inventories. We believe that we can continue to take appropriate actions to align our inventory levels with anticipated customer demand profiles. Factors Affecting Our PerformanceMost of our sales to customers are made on the basis of individual customer purchase orders and many customers include cancellation provisions in their purchase orders. We rely on orders received and shipped within the same quarter for a meaningful portion of our sales. Net sales made through independent distributors during the second quarters of fiscal years 2025 and 2024 were 74% and 64%, respectively, of net sales and the remainder were made directly to customers. The higher 40percentage of distributor sales in the second quarter of fiscal year 2025 was primarily due to product mix as certain of our products are shipped in higher volume to distributors. We are a global business with customers and suppliers around the world. A significant amount of our third-party subcontractors and suppliers, including third-party foundries that supply silicon wafers, are located outside the United States, including China and Taiwan. A significant amount of our assembly and test operations are conducted by third-party contractors located outside the United States, including China, Malaysia, Mexico, Taiwan and Vietnam. Net sales outside the United States constituted 80% and 77% during the second quarters of fiscal years 2025 and 2024, respectively. Approximately 65% and 62% of our net sales during the second quarters of fiscal years 2025 and 2024, respectively, were to customers located in the Asia-Pacific region. We are subject to export restrictions and trade regulations, which have limited our ability to sell to certain customers in certain regions.We use several metrics as indicators of future potential growth. The indicators that we believe best correlate to potential future sales growth are design wins and new product releases. There are many factors that may cause a design win or new product release to not result in sales, including a customer's decision not to go to system production, a change in a customerâ€™s perspective regarding a productâ€™s value or a customerâ€™s product failing in the end market. As a result, although a design win or new product introduction is an important step towards generating future sales, it does not necessarily result in us being awarded business or receiving a purchase commitment.Inflationary factors have in the past and could continue to affect our future performance if we are unable to pass higher costs on to our customers.41Results of OperationsThe following table sets forth, for the periods indicated, our Statements of Operations expressed as a percentage of net sales.Â ThreeÂ MonthsÂ EndedSix Months EndedJuly 28, 2024July 30, 2023July 28, 2024July 30, 2023Net sales100.0Â %100.0Â %100.0Â %100.0Â %Cost of sales50.0Â %53.3Â %50.3Â %52.6Â %Amortization of acquired technology1.1Â %4.4Â %1.1Â %4.5Â %Total cost of sales51.1Â %57.7Â %51.4Â %57.1Â %Gross profit49.0Â %42.3Â %48.7Â %42.9Â %Operating expenses, net:Selling, generalÂ and administrative25.9Â %25.0Â %25.6Â %24.7Â %Product developmentÂ and engineering18.6Â %19.9Â %19.4Â %20.6Â %Intangible amortization0.1Â %2.0Â %0.1Â %2.1Â %Restructuring0.7Â %3.9Â %0.9Â %2.3Â %Goodwill impairmentâ€”Â %117.3Â %â€”Â %58.9Â %Total operating expenses, net45.4Â %168.2Â %46.1Â %108.6Â %Operating income (loss)3.6Â %(125.9)%2.6Â %(65.7)%Interest expense(13.3)%(10.1)%(12.3)%(9.4)%Interest income0.2Â %0.3Â %0.2Â %0.4Â %Loss on extinguishment of debt(67.2)%â€”Â %(34.3)%â€”Â %Non-operating expense, net(0.5)%(0.7)%(0.1)%(0.4)%Investment impairments and credit loss reserves, netâ€”Â %(0.1)%(0.3)%(0.1)%Loss before taxes and equity method (loss) income(77.1)%(136.5)%(44.2)%(75.2)%Provision for income taxes2.0Â %23.7Â %1.7Â %11.4Â %Net loss before equity method (loss) income(79.1)%(160.2)%(45.9)%(86.6)%Equity method (loss) incomeâ€”Â %â€”Â %â€”Â %â€”Â %Net loss(79.1)%(160.3)%(45.9)%(86.6)%Net loss attributable to noncontrolling interestâ€”Â %â€”Â %â€”Â %â€”Â %Net loss attributable to common stockholders(79.1)%(160.3)%(45.9)%(86.6)%Percentages may not add precisely due to rounding.Our regional mix of loss before taxes and equity method (loss) income was as follows:Â ThreeÂ MonthsÂ EndedSix Months Ended(in thousands)July 28, 2024July 30, 2023July 28, 2024July 30, 2023Domestic$(170,591)$(73,470)$(189,460)$(92,311)Foreign4,511Â (251,929)3,127Â (264,915)Total$(166,080)$(325,399)$(186,333)$(357,226)Domestic performance includes higher levels of share-based compensation compared to foreign operations. 42Comparison of the Three Months Ended JulyÂ 28, 2024 and JulyÂ 30, 2023 Net SalesThe following table summarizes our net sales by major end markets:Three Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Net Sales% Net SalesNet Sales% Net SalesChangeInfrastructure$52,942Â 25Â %$42,369Â 18Â %25Â %High-End Consumer37,080Â 17Â %34,016Â 14Â %9Â %Industrial125,333Â 58Â %161,987Â 68Â %(23)%Total$215,355Â 100Â %$238,372Â 100Â %(10)%Net sales in the second quarter of fiscal year 2025 were $215.4 million, a decrease of 9.7% compared to $238.4 million in the second quarter of fiscal year 2024, which was primarily driven by lower net sales from our industrial end market related to decreased sales volume and pricing pressures, offset by higher net sales in our infrastructure and high-end consumer end markets due to stronger demand. Net sales from our infrastructure end market increased $10.6 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024, primarily driven by a $7.3 million increase in data center sales and a $6.7 million increase in PON sales, partially offset by a $2.9 million decrease in TVS infrastructure product sales. Net sales from our high-end consumer end market increased $3.1 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024, primarily driven by an increase in TVS consumer product sales. Net sales from our industrial end market decreased $36.7 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024, primarily driven by a $43.3 million decrease in module sales, a $2.8 million decrease in router sales and a $1.5 million decrease in TVS industrial product sales, partially offset by a $12.0 million increase in LoRa-enabled sales in industrial applications.The following table summarizes our net sales by reportable segment:Three Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Net Sales% Net SalesNet Sales% Net SalesChangeSignal Integrity $59,434Â 28Â %$46,126Â 19Â %29Â %Analog Mixed Signal and Wireless79,311Â 37Â %69,989Â 29Â %13Â %IoT Systems and Connectivity76,610Â 35Â %122,257Â 52Â %(37)%Total$215,355Â 100Â %$238,372Â 100Â %(10)%Net sales in the second quarter of fiscal year 2025, as compared to the second quarter of fiscal year 2024, were impacted by softer demand in the IoT Systems and Connectivity reportable segment, which contributed to lower sales volume and pricing pressures, but benefited from stronger demand in the Signal Integrity and Analog Mixed Signal and Wireless reportable segments. Net sales from Signal Integrity increased $13.3 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 primarily driven by a $7.3 million increase in data center sales and a $6.7 million increase in PON sales, partially offset by a $0.5 million decrease in wireless sales and a $0.5 million decrease in broadcast sales. Net sales from Analog Mixed Signal and Wireless increased $9.3 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024, primarily driven by a $10.3 million increase in LoRa-enabled product sales. Net sales from IoT Systems and Connectivity decreased $45.6 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 primarily driven by a $43.3 million decrease in module sales and a $2.8 million decrease in router sales, partially offset by a $0.9 million increase in managed connectivity sales.43Gross ProfitThe following table summarizes our gross profit and gross margin by reportable segment:Three Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Gross ProfitGross MarginGross ProfitGross MarginSignal Integrity$36,768Â 61.9Â %$27,606Â 59.8Â %Analog Mixed Signal and Wireless45,399Â 57.2Â %43,123Â 61.6Â %IoT Systems and Connectivity27,111Â 35.4Â %47,349Â 38.7Â %Unallocated costs, including share-based compensation and amortization of acquired technology(3,814)(17,350)Total$105,464Â 49.0Â %$100,728Â 42.3Â %In the second quarter of fiscal year 2025, gross profit increased $4.7 million to $105.5 million from $100.7 million in the second quarter of fiscal year 2024. This increase was primarily driven by a $9.2 million increase from Signal Integrity, which experienced higher sales led by data center and 10G PON due to stronger demand, offset by pricing pressures, a $8.3 million decrease in the amortization of acquired technology intangible assets related to the acquisition of all of the issued and outstanding common shares of Sierra Wireless, Inc. on January 12, 2023 (the "Sierra Wireless Acquisition") due to impairments in the fourth quarter of fiscal year 2024, a $3.3 million decrease in amortization of inventory step-up due to the finalization of measurement period adjustments in the second quarter of fiscal year 2024 related to the Sierra Wireless Acquisition, a $2.7 million decrease for transaction and integration costs related to the Sierra Wireless Acquisition, and a $2.3 million increase from Analog Mixed Signal and Wireless, which experienced higher sales led by LoRa-enabled product due to stronger demand, offset by pricing pressures, partially offset by a $20.2 million decrease from IoT Systems and Connectivity due to lower module and router sales primarily driven by soft demand causing decreased sales volume and pricing pressures.Our gross margin was 49.0% in the second quarter of fiscal year 2025, compared to 42.3% in the second quarter of fiscal year 2024. Gross margin for our Signal Integrity segment was 61.9% in the second quarter of fiscal year 2025, compared to 59.8% in the second quarter of fiscal year 2024, primarily due to higher

volume reducing overhead. Gross margin for our Analog Mixed Signal and Wireless segment was 57.2% in the second quarter of fiscal year 2025, compared to 61.6% in the second quarter of fiscal year 2024, primarily due to unfavorable product mix, partially offset by higher overhead absorption. Gross margin for our IoT Systems and Connectivity segment was 35.4% in the second quarter of fiscal year 2025, compared to 38.7% in the second quarter of fiscal year 2024, primarily due to pricing pressures.Operating Expenses, netThe following table summarizes our operating expenses, net:Three Months EndedChange(in thousands, except percentages)July 28, 2024July 30, 2023Selling, generalÂ and administrative$55,789Â 57Â %$59,579Â 15Â %(6)%Product developmentÂ and engineering40,084Â 41Â %47,433Â 12Â %(15)%Intangible amortization282Â â€”Â %4,871Â 1Â %(94)%Restructuring1,541Â 2Â %9,399Â 2Â %(84)%Goodwill impairmentâ€”Â â€”Â %279,555Â 70Â %(100)%Total operating expenses, net$97,696Â 100Â %$400,837Â 100Â %(76)%Selling, General and Administrative ExpensesSelling, general and administrative expenses decreased $3.8 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 primarily as a result of a $5.8 million decrease in transaction and integration costs primarily related to the Sierra Wireless Acquisition and $1.0 million lower net staffing-related costs, which reflects lower headcount due to recent restructuring, offset by an increase in share-based compensation, partially offset by $1.8 million higher depreciation and a $0.8 million increase in facilities expenses.Product Development and Engineering ExpensesProduct development and engineering expenses decreased $7.3 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 primarily as a result of a $6.3 million net decrease in staffing-related costs due to lower headcount and a $2.1 million decrease in new product introduction expenses, partially offset by a $1.4 million increase in depreciation. The levels of product development and engineering expenses reported in a fiscal period can be significantly 44impacted, and therefore experience period over period volatility, by the number of new product tape-outs and by the timing of recoveries from non-recurring engineering services, which are typically recorded as a reduction to product development and engineering expense. Intangible AmortizationIntangible amortization decreased by $4.6 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 due to impairment of intangible assets acquired in the Sierra Wireless Acquisition related to customer relationships and trade name in the fourth quarter of fiscal year 2024. The amortization of acquired technology intangible assets is reflected in cost of sales.RestructuringRestructuring decreased by $7.9 million in the second quarter of fiscal year 2025 compared to the second quarter of fiscal year 2024 due to the structural reorganization actions primarily in the prior year period to reduce our workforce as a result of cost-saving measures and internal resource alignment including from the realization of synergies of the Sierra Wireless Acquisition. Goodwill ImpairmentThere was no goodwill impairment in the second quarter of fiscal year 2025 compared to $279.6 million of goodwill impairment in the second quarter of fiscal year 2024 due to valuation adjustments of goodwill related to the Sierra Wireless Acquisition. See Note 8, Goodwill and Intangible Assets, to our interim unaudited condensed consolidated financial statements for additional information.Interest ExpenseInterest expense, including amortization and a write-off of deferred financing costs, was $28.6 million and $24.2 million for the second quarters of fiscal years 2025 and 2024, respectively. The increase was primarily due to a $5.5 million write-off of deferred financing costs as a result of approximately $188.1 million of 2028 Notes extinguished in exchange for common stock in the second quarter of fiscal year 2025.Loss on Extinguishment of DebtIn addition to the write-off of $5.5 million of deferred financing costs as a result of approximately $188.1 million of 2028 Notes extinguished in exchange for common stock in the second quarter of fiscal year 2025, which was recorded in "Interest expense" in the Statements of Operations, we recognized a loss on extinguishment of debt equal to the difference between the fair value of our common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the second quarter of fiscal year 2025, in connection with the exchange transactions, we recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations.Investment Impairments and Credit Loss Reserves, NetDuring the second quarter of fiscal year 2025, we did not record any investment impairments and credit loss reserves. During the second quarter of fiscal year 2024, investment impairments and credit loss reserves, net totaled a loss of $0.2 million due to adjustments to our credit loss reserve for our available-for-sale debt securities.Provision for Income TaxesWe recorded income tax expense of $4.2 million in the second quarter of fiscal year 2025, compared to income tax expense of $56.6 million in the second quarter of fiscal year 2024. The effective tax rates for the second quarters of fiscal years 2025 and 2024 were provision rates of 2.5% and 17.4%, respectively. The effective tax rates in the second quarters of fiscal years 2025 and 2024 differ from the statutory federal income tax rate of 21% primarily due to a regional mix of income, changes in valuation allowance, impact of global intangible low-taxed income ("GILTI"), research and development ("R&D") credits and nondeductible loss on extinguishment of debt. The Tax Cuts and Jobs Act ("Tax Act") requires R&D costs incurred for tax years beginning after December 31, 2021 to be capitalized and amortized ratably over five or fifteen years for tax purposes, depending on where the research activities are conducted. We have elected to treat GILTI as a period cost and the additional capitalization of R&D costs within GILTI increases our provision for income taxes.During the second quarter of fiscal year 2024, we recorded a valuation allowance against our U.S. deferred tax assets of approximately $52.8 million. We are required to assess whether a valuation allowance should be recorded against our deferred tax assets ("DTAs") based on the consideration of all available evidence, using a "more likely than not" realization standard. The four sources of taxable income that must be considered in determining whether DTAs will be realized are: (1) future reversals of existing taxable temporary differences (i.e. offset of gross deferred tax assets against gross deferred tax liabilities); (2) taxable income in prior carryback years, if carryback is permitted under the tax law; (3) tax planning strategies; and (4) 45future taxable income exclusive of reversing temporary differences and carryforwards.After a review of the four sources of taxable income described above and in view of our three-year cumulative loss, we were not able to conclude that it is more likely than not that our DTAs will be realized. As a result, we recorded an additional valuation allowance on our DTAs, with a corresponding charge to our income tax provision, of approximately $52.8 million during the second quarter of fiscal year 2024.We receive a tax benefit from a tax holiday that was granted in Switzerland. The tax holiday commenced on January 30, 2017, and was effective for five years (the "Initial Term"). Since we met certain staffing targets, the holiday has been extended for an additional five years commencing on January 31, 2022. The maximum benefit under this tax holiday is CHF 500.0 million of cumulative after tax profit, which equates to a maximum potential tax savings of CHF 44.0 million. The extended term of the tax holiday is effective until fiscal year 2027. However, Switzerland implemented the Organization of Economic Co-operation and Development's ("OECD") global minimum tax ("Pillar Two") rules effective from January 1, 2024. Based on the administrative guidance issued by OECD in December 2023, we have determined that Pillar Two rules are applicable in the current fiscal year; therefore, we do not benefit from the tax holiday.As a global organization, we are subject to audit by taxing authorities in various jurisdictions. To the extent that an audit, or the closure of a statute of limitations, results in adjusting our reserves for uncertain tax positions, our effective tax rate could experience extreme volatility since any adjustment would be recorded as a discrete item in the period of adjustment.For further information on the effective tax rate and the Tax Actâ€™s impact, see Note 10, Income Taxes, to our interim unaudited condensed consolidated financial statements.Comparison of the Six Months Ended JulyÂ 28, 2024 and JulyÂ 30, 2023 Net SalesThe following table summarizes our net sales by major end market:Six Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Net Sales% Net SalesNet Sales% Net SalesChangeInfrastructure$108,919Â 26Â %$81,369Â 17Â %34Â %High-End Consumer71,619Â 17Â %55,610Â 12Â %29Â %Industrial240,922Â 57Â %337,932Â 71Â %(29)%Total$421,460Â 100Â %$474,911Â 100Â %(11)%Net sales for the first six months of fiscal year 2025 were $421.5 million, a decrease of 11.3% compared to $474.9 million for the first six months of fiscal year 2024 primarily driven by lower net sales from our industrial end market related to decreased sales volume and pricing pressures. Comparing the same periods, our infrastructure and high-end consumer end markets had stronger demand and resulting net sales. Net sales from our infrastructure end market increased $27.6 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by a $17.3 million increase in PON sales and a $15.3 million increase in data center sales, partially offset by a $4.4 million decrease in TVS infrastructure product sales. Net sales from our high-end consumer end market increased $16.0 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by a $16.9 million increase in TVS consumer product sales and a $3.3 million increase in proximity sensing sales, partially offset by a $2.8 million decrease in LoRa-enabled sales in consumer applications. Net sales from our industrial end market decreased $97.0 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by an $89.9 million decrease in module sales, a $19.6 million decrease in router sales and a $3.0 million decrease in TVS industrial product sales, partially offset by a $15.4 million increase in LoRa-enabled sales in industrial applications.The following table summarizes our net sales by reportable segment:Six Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Net Sales% Net SalesNet Sales% Net SalesChangeSignal Integrity $117,733Â 28Â %$87,017Â 18Â %35Â %Analog Mixed Signal and Wireless154,655Â 37Â %129,608Â 27Â %19Â %IoT Systems and Connectivity149,072Â 35Â %258,286Â 55Â %(42)%Total$421,460Â 100Â %$474,911Â 100Â %(11)%46Net sales in the first six months of fiscal year 2025, compared to the first six months of fiscal year 2024, were impacted by softer demand in the IoT Systems and Connectivity reportable segment, which contributed to lower sales volume and pricing pressures, but benefited from stronger demand in the Signal Integrity and Analog Mixed Signal and Wireless reportable segments. Net sales from Signal Integrity increased $30.7 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by a $17.3 million increase in PON sales and a $15.3 million increase in data center sales, partially offset by a $1.7 million decrease in broadcast sales. Net sales from Analog Mixed Signal and Wireless increased $25.0 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by a $12.6 million increase in LoRa-enabled sales, a $9.4 million increase in TVS product sales, and a $3.3 million increase in proximity sensing sales. Net sales from IoT Systems and Connectivity decreased $109.2 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024, primarily driven by a $89.9 million decrease in module sales and a $19.6 million decrease in router sales, partially offset by a $0.6 million increase in managed connectivity sales.Gross ProfitThe following table summarizes our gross profit and gross margin by reportable segment:Six Months EndedJuly 28, 2024July 30, 2023(in thousands, except percentages)Gross ProfitGross MarginGross ProfitGross MarginSignal Integrity $71,529Â 60.8Â %$52,093Â 59.9Â %Analog Mixed Signal and Wireless86,103Â 55.7Â %79,597Â 61.4Â %IoT Systems and Connectivity54,205Â 36.4Â %101,157Â 39.2Â %Unallocated costs, including share-based compensation(6,781) (29,173)Total$205,056Â 48.7Â %$203,674Â 42.9Â %In the first six months of fiscal year 2025, gross profit increased $1.4 million to $205.1 million from $203.7 million in the first six months of fiscal year 2024. This increase was primarily driven by a $19.4 million increase from Signal Integrity, which experienced higher sales led by 10G PON and data center due to stronger demand, offset by pricing pressures, a $16.9 million decrease in the amortization of acquired technology intangible assets related to the Sierra Wireless Acquisition due to impairments in the fourth quarter of fiscal year 2024, a $6.5 million increase from Analog Mixed Signal and Wireless, which experienced higher sales due to stronger demand, particularly with TVS consumer products, a $3.3 million decrease for amortization of inventory step-up due to the finalization of measurement period adjustments in the second quarter of fiscal year 2024 related to the Sierra Wireless Acquisition, and a $2.7 million decrease for transaction and integration costs related to the Sierra Wireless Acquisition, partially offset by a $47.0 million decrease from IoT Systems and Connectivity due to lower module and router sales primarily driven by soft demand causing decreased sales volume and pricing pressures.Our gross margin was 48.7% in the first six months of fiscal year 2025, compared to 42.9% in the first six months of fiscal year 2024. Gross margin from Signal Integrity was 60.8% in the first six months of fiscal year 2025, compared to 59.9% in the first six months of fiscal year 2024, primarily due to higher volume reducing overhead. Gross margin from Analog Mixed Signal and Wireless was 55.7% in the first six months of fiscal year 2025, compared to 61.4% in the first six months of fiscal year 2024, primarily due to unfavorable product mix, partially offset by higher overhead absorption. Gross margin from IoT Systems and Connectivity was 36.4% in the first six months of fiscal year 2025, compared to 39.2% in the first six months of fiscal year 2024, primarily driven by softer demand in market and pricing pressures.47Operating Expenses, netSix Months EndedChange(in thousands, except percentages)July 28, 2024July 30, 2023Selling, generalÂ and administrative$108,058Â 56Â %$117,359Â 23Â %(8)%Product developmentÂ and engineering81,688Â 42Â %98,034Â 19Â %(17)%Intangible amortization589Â â€”Â %9,753Â 2Â %(94)%Restructuring 3,810Â 2Â %10,962Â 2Â %(65)%Goodwill impairmentâ€”Â â€”Â %279,555Â 54Â %(100)%Total operating expenses, net$194,145Â 100Â %$515,663Â 100Â %(62)%Selling, General and Administrative ExpensesSG&A expenses decreased $9.3 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024 primarily as a result of an $11.0 million decrease in transaction and integration expenses primarily related to the Sierra Wireless Acquisition, a $1.4 million reduction in travel expenses, and a $0.5 million net decrease in staffing-related costs, which reflects lower headcount due to recent restructuring offset by an increase in share-based and other supplemental compensation, partially offset by a $3.4 million increase in depreciation.Product Development and Engineering ExpensesProduct development and engineering expenses decreased $16.3 million in the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024 primarily as a result of an $11.1 million net decrease in staffing-related costs due to lower headcount, a decrease of $3.8 million from new product introduction expenses, a $1.7 million decrease in facilities expenses, and a $1.6 million decrease in transaction and integration expenses primarily related to the Sierra Wireless Acquisition, partially offset by a $1.6 million decrease in tax credits and a $0.4 million increase in depreciation.Intangible AmortizationIntangible amortization decreased by $9.2 million for the first six months of fiscal year 2025 compared to the same period in fiscal year 2024 due to impairment of intangible assets acquired in the Sierra Wireless Acquisition related to customer relationships and trade name in the fourth quarter of fiscal year 2024. The amortization of acquired technology intangible assets is reflected in cost of sales.RestructuringRestructuring decreased by $7.2 million for the first six months of fiscal year 2025 compared to the same period in fiscal year 2024 primarily due to structural reorganization actions primarily in the prior year period to reduce our workforce as a result of cost-saving measures and internal resource alignment including from the realization of synergies of the Sierra Wireless Acquisition. Goodwill ImpairmentThere was no goodwill impairment for the first six months of fiscal year 2025 compared to $279.6 million of goodwill impairment for the same period in fiscal year 2024 due to valuation adjustments of goodwill related to the Sierra Wireless Acquisition. See Note 8, Goodwill and Intangible Assets, to our interim unaudited condensed consolidated financial statements for additional information.Interest ExpenseInterest expense, including amortization and write-off of deferred financing costs, was $51.8 million and $44.7 million for the first six months of fiscal years 2025 and 2024, respectively. The increase was primarily due to a $5.5 million write-off of deferred financing costs as a result of approximately $188.1 million of 2028 Notes extinguished in exchange for common stock in the second quarter of fiscal year 2025.Loss on Extinguishment of DebtIn addition to the write-off of $5.5 million of deferred financing costs as a result of approximately $188.1 million of 2028 Notes extinguished in exchange for common stock in the first six months of fiscal year 2025, which was recorded in "Interest expense" in the Statements of Operations, we recognized a loss on extinguishment of debt equal to the difference between the fair value of our common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the first six months of fiscal year 2025, in connection with the exchange transactions, we recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations.48Investment Impairments and Credit Loss Reserves, NetDuring the first six months of fiscal year 2025, investment impairments and credit loss reserves, net totaled a loss of $1.1 million due to an other-than-temporary impairment on one of our non-marketable equity investments. During the first six months of 2024, investment impairments and credit loss reserves, net totaled a loss of $0.3 million due to adjustments to our credit loss reserve for our available-for-sale debt securities.Provision for Income TaxesIn the first six months of fiscal year 2025, we recorded income tax expense of $7.2 million, compared to income tax expense of $54.2 million in the first six months of fiscal year 2024. The effective tax rates for the first six months of fiscal years 2025 and 2024 were provision rates of 3.8% and 15.2%, respectively. The change in our effective tax rate for the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024 was primarily due to a regional mix of income and changes in valuation allowance. The effective tax rates in the first six months of fiscal years 2025 and 2024 differ from the statutory federal income tax rate of 21% primarily due to a regional mix of income, changes in valuation allowance, non-deductibility of goodwill impairment, impact of GILTI, R&D credits and nondeductible loss on extinguishment of debt.During the second quarter of fiscal year 2024, we recorded a valuation allowance against our U.S. deferred tax assets of approximately $52.8 million. We are required to assess whether a valuation allowance should be recorded against our DTAs based on the consideration of all available evidence, using a "more likely than not" realization standard. The four sources of taxable income that must be considered in determining whether DTAs will be realized are: (1) future reversals of existing taxable temporary differences (i.e. offset of gross deferred tax assets against gross deferred tax liabilities); (2) taxable income in prior carryback years, if carryback is permitted under the tax law; (3) tax planning strategies; and (4) future taxable income exclusive of reversing temporary differences and carryforwards.After a review of the four sources of taxable income described above and in view of our three-year cumulative loss, we were not able to conclude that it is more likely than not that our DTAs will be realized. As a result, we recorded an additional valuation allowance on our DTAs, with a corresponding charge to our income tax provision, of approximately $52.8 million during the second quarter of fiscal year 2024.Liquidity and Capital ResourcesOur capital requirements depend on a variety of factors including, but not

limited to, the rate of increase or decrease in our existing business base; the success, timing and amount of investment required to bring new products to market; sales growth or decline; potential acquisitions or divestitures; the general economic environment in which we operate; and our ability to generate cash flows from operating activities.We believe that our cash on hand, cash available from future operations and available borrowing capacity under our Revolving Credit Facility (as defined below) are sufficient to meet liquidity requirements for at least the next 12 months, including funds needed for our material cash requirements. As of JulyÂ 28, 2024, we had $115.9 million in cash and cash equivalents and $282.2 million of available undrawn borrowing capacity on our Revolving Credit Facility, subject to net leverage limitations and customary conditions precedent, including the accuracy of representations and warranties and the absence of defaults. Over the longer-term, we expect to fund our business using cash flows from operating activities.As of JulyÂ 28, 2024, we were in compliance with the financial covenants in the Credit Agreement (as defined below). Based on our current amount of debt outstanding and financial projections, management believes we will maintain compliance with our financial covenants and that our existing cash, projected operating cash flows and available borrowing capacity under the Revolving Credit Facility are adequate to meet our operating needs, liabilities and commitments over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements.As of JulyÂ 28, 2024 and JanuaryÂ 28, 2024, there was $2.9Â million outstanding under the letters of credit, swing line loans and alternative currency sub-facilities outstanding under the Revolving Credit Facility.A meaningful portion of our capital resources, and the liquidity they represent, are held by our subsidiaries outside of the U.S. As of JulyÂ 28, 2024, our foreign subsidiaries held $102.7 million of cash and cash equivalents, compared to $104.6 million at JanuaryÂ 28, 2024. Our liquidity may be impacted by fluctuating exchange rates. For additional information on exchange rates, see Item 3â€“Quantitative and Qualitative Disclosures About Market Risk.In connection with the enactment of the Tax Act, all historic and current foreign earnings are taxed in the U.S. Depending on the jurisdiction, these foreign earnings are potentially subject to a withholding tax, if repatriated. As of JulyÂ 28, 2024, our historical undistributed earnings prior to fiscal year 2023 of our foreign subsidiaries are intended to be permanently reinvested outside of the U.S. With the enactment of the Tax Act, all post-1986 previously unremitted earnings for which no U.S. deferred tax liability had been accrued were subject to U.S. tax. Notwithstanding the U.S. taxation of these amounts, we have determined that none of our foreign earnings for fiscal years 2023 and 2024 will be permanently reinvested. If we needed to remit all or a portion of our historical undistributed earnings to the U.S. for investment in our domestic operations, any such remittance could 49result in increased tax liabilities and a higher effective tax rate. Determination of the amount of the unrecognized potential deferred tax liability on these unremitted earnings is not practicable. We expect our future non-operating uses of cash will be for capital expenditures and debt repayment. We expect to fund these cash requirements through cash flows from operating activities.Credit AgreementOn September 26, 2022 (the "Third Restatement Effective Date"), we entered into a third amended and restated credit agreement (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") with the lenders party thereto and JPMorgan Chase Bank, N.A., as administrative agent, swing line lender and letter of credit issuer. As of JulyÂ 28, 2024, the borrowing capacity on the revolving credit facility under the Credit Agreement (the "Revolving Credit Facility") isÂ $500.0 million, of which $162.5 million is scheduled to mature on November 7, 2024 and $337.5 million is scheduled to mature on JanuaryÂ 12, 2028 (subject to, in certain circumstances, an earlier springing maturity), and the term loans thereunder (the "Term Loans") are scheduled to mature on JanuaryÂ 12, 2028 (subject to, in certain circumstances, an earlier springing maturity). As of JulyÂ 28, 2024, we had $622.6 million outstanding under the Term Loans and $215.0 million outstanding under the Revolving Credit Facility, which had available undrawn borrowing capacity of $282.2Â million, subject to net leverage limitations and customary conditions precedent, including the accuracy of representations and warranties and the absence of defaults.Up to $40.0Â million of the Revolving Credit Facility may be used to obtain letters of credit, up to $25.0Â million of the Revolving Credit Facility may be used to obtain swing line loans, and up to $75.0Â million of the Revolving Credit Facility may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars. The proceeds of the Revolving Credit Facility may be used by us for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes.As of JulyÂ 28, 2024, we were in compliance with the financial covenants in our Credit Agreement. The Credit Agreement also contains customary provisions pertaining to events of default. If any event of default occurs, the obligations under the Credit Agreement may be declared due and payable, terminated upon written notice to us and existing letters of credit may be required to be cash collateralized.See Note 9, Long-Term Debt to our interim unaudited condensed consolidated financial statements for additional information regarding the terms of the Credit Agreement.We have entered into interest rate swap agreements to hedge the variability of interest payments on debt outstanding under the Term Loans. See Note 17, Derivatives and Hedging Activities, to our interim unaudited condensed consolidated financial statements for additional information. Convertible Senior Notes Due 2027On October 6, 2022 and October 21, 2022, we issued and sold $300.0Â million and $19.5Â million, respectively, in aggregate principal amount of 1.625% Convertible Senior Notes due 2027 (the "2027 Notes") in a private placement. The 2027 Notes were issued pursuant to an indenture dated October 12, 2022, by and among us, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee. The 2027 Notes bear interest at a rate of 1.625% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2023. The 2027 Notes will mature on November 1, 2027, unless earlier converted, redeemed or repurchased. The 2027 Notes are not currently redeemable and, as of April 28, 2024, none of the conditions allowing holders of the 2027 Notes to convert had been met. The 2027 Notes were initially issued pursuant to an exemption from the registration requirements of the Securities Act afforded by Section 4(a)(2) of the Securities Act. We used approximately $72.6Â million of the net proceeds from the 2027 Notes to pay for the cost of the Convertible Note Hedge Transactions, after such cost was partially offset by approximately $42.9Â million of proceeds to us from the sale of Warrants in connection with the issuance of the 2027 Notes, all as defined and described in Note 9, Long-Term Debt to our interim unaudited condensed consolidated financial statements. The Convertible Note Hedge Transactions and Warrants transactions are indexed to, and potentially settled in, our common stock and the net cost of $29.7Â million has been recorded as a reduction to additional paid-in capital in the consolidated statement of stockholdersâ€™ equity (deficit). We used the remaining net proceeds to fund a portion of the consideration in the Sierra Wireless Acquisition and to pay related fees and expenses. For additional information on the 2027 Notes, Convertible Note Hedge Transactions and the Warrants, see Note 9, Long-Term Debt to our interim unaudited condensed consolidated financial statements.50Convertible Senior Notes Due 2028On October 26, 2023, we issued and sold $250.0Â million in aggregate principal amount of 2028 Notes in a private placement. The 2028 Notes were issued pursuant to an indenture, dated October 26, 2023, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee. The 2028 Notes bear interest at a rate of 4.00% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2024. The 2028 Notes will mature on November 1, 2028, unless earlier converted, redeemed or repurchased. As of JulyÂ 28, 2024, approximately $62.0Â million of the 2028 Notes remained outstanding. The 2028 Notes were offered and sold only to eligible purchasers who are both "qualified institutional buyers" within the meaning of Rule 144A under the Securities Act and "accredited investors" within the meaning of Rule 501(a) under the Securities Act, in reliance on Section 4(a)(2) under the Securities Act. The 2028 Notes are not currently redeemable. The 2028 Notes may be converted at the option of the holders at the times and under the circumstances and at the conversion rate described in Note 9, Long-Term Debt, to our interim unaudited condensed consolidated financial statements. As of JulyÂ 28, 2024, one of the conditions allowing holders of the 2028 Notes to convert had been met. The trading price of our common stock remained above 130% of the applicable $20.37 conversion price for at least 20 trading days during the 30 consecutive trading-day period ending on, and including, July 26, 2024 (the last trading day of the quarter ended JulyÂ 28, 2024), holders of the 2028 Notes would have the right to convert their 2028 Notes beginning July 29, 2024 through October 25, 2024 (the last trading day of the quarter ending October 27, 2024). If converted, we will settle in cash the aggregate principal amount of the 2028 Notes to be converted, and for the remainder of the conversion obligations in excess of the aggregate principal amount of the notes being converted, we will settle the obligations in either cash, shares of our common stock, or any combination thereof, at our option.On July 11, 2024 and July 15, 2024, we entered into the Exchange Agreements with certain holders of the 2028 Notes. Pursuant to the Exchange Agreements, certain holders of the 2028 Notes exchanged with us approximately $188.1 million in aggregate principal amount of 2028 Notes held by them for an aggregate of 10,378,431 shares of our common stock, which number of shares was determined over an averaging period that commenced on July 12, 2024. We accounted for these exchange transactions as a partial debt extinguishment and recognized a loss on extinguishment of debt equal to the difference between the fair value of our common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the three and six months ended JulyÂ 28, 2024, in connection with the exchange transactions, we recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations and $5.5 million of loss resulting from the write-off of deferred financing costs included in "Interest expense" in the Statements of Operations.For additional information on the 2028 Notes, see Note 9, Long-Term Debt to our interim unaudited condensed consolidated financial statements.Capital Expenditures and Research and DevelopmentWe incur significant expenditures in order to fund the development, design and manufacture of new products. We intend to continue to focus on those areas that have shown potential for viable and profitable market opportunities, which may require additional investment in equipment and the hiring of additional design and application engineers aimed at developing new products. Certain of these expenditures, particularly the addition of design engineers, do not generate significant payback in the short-term. We plan to finance these expenditures with cash generated by our operating activities, our existing cash balances and additional draws on our Revolving Credit Facility, as needed. Borrowings under our Revolving Credit Facility are subject to customary conditions precedent, including the accuracy of representations and warranties and the absence of any defaults under the facility. Purchases under our Stock Repurchase ProgramWe currently have in effect a stock repurchase program that was initially approved by our Board of Directors in March 2008. On MarchÂ 11, 2021, the Board of Directors approved the expansion of the stock repurchase program by an additional $350.0Â million. This program represents one of our principal efforts to return value to our stockholders. Under the program, subject to the terms of the Credit Agreement, we may repurchase our common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. Our repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. We did not repurchase any shares of our common stock under the program in the first six months of fiscal year 2025 or in the first six months of fiscal year 2024. As of JulyÂ 28, 2024, the remaining authorization under the program was $209.4 million. To the extent we repurchase any shares of our common stock under the program in the future, we expect to fund such repurchases from cash on hand and borrowings on our Revolving Credit Facility. We have no obligation to repurchase any shares under the program and may suspend or discontinue it at any time.51Working CapitalWorking capital, defined as total current assets less total current liabilities including the current portion of long-term debt, fluctuates depending on end-market demand and our effective management of certain items such as receivables, inventory and payables. In times of escalating demand, our working capital requirements may increase as we purchase additional manufacturing materials and increase production. In addition, our working capital may be affected by potential acquisitions and transactions involving our debt instruments. Although investments made to fund working capital will reduce our cash balances, these investments are necessary to support business and operating initiatives. There have been no material changes to our cash requirements from those disclosed in our Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024.Cash FlowsIn summary, our cash flows for each period were as follows:Six Months Ended(in thousands)July 28, 2024July 30, 2023Net cash used in operating activities$(5,084)$(101,992)Net cash used in investing activities(2,672)(19,577)Net cash (used in) provided by financing activities(4,550)34,727Â Effect of foreign exchange rate changes on cash and cash equivalents(351)(756)Net decrease in cash and cash equivalents$(12,657)$(87,598)Operating ActivitiesNet cash provided by or used in operating activities is driven by net income or loss adjusted for non-cash items and fluctuations in operating assets and liabilities.Operating cash flows for the first six months of fiscal year 2025 compared to the first six months of fiscal year 2024 were favorably impacted by a significant decrease in annual bonus payments, lower payroll costs related to reduced headcount, a decrease in income tax payments, and lower transaction and integration costs primarily related to the Sierra Wireless Acquisition, and were unfavorably impacted by an 11.3% decrease in net sales, higher restructuring payments related to one-time employee termination benefits and an incremental increase in inventory spend.Investing ActivitiesNet cash provided by or used in investing activities is primarily driven by capital expenditures, purchases and sales of investments, purchases of intangibles, and proceeds from corporate-owned life insurance.Capital expenditures were $4.7 million for the first six months of fiscal year 2025, which were lower due to cost-saving initiatives, compared to $20.9 million for the first six months of fiscal year 2024 as we made investments to update and expand our production capabilities.In the first six months of fiscal year 2025, we sold investments for proceeds ofÂ $2.7 million. In the first six months of fiscal year 2025, we paid $0.4 million for strategic investments, including investments in companies that are enabling the LoRaÂ® and LoRaWANÂ® -based ecosystem, compared to $0.9 million for the first six months of fiscal year 2024.Purchases of intangibles were $5.0 million for the first six months of fiscal year 2025, which included capitalized development costs and software licenses. In the first six months of fiscal year 2025 and 2024, we received $4.8 million and $2.5 million of proceeds, respectively, from corporate-owned life insurance, which were used to pay deferred compensation distributions. Financing ActivitiesNet cash provided by or used in financing activities is primarily attributable to proceeds or payments on our Revolving Credit Facility, payments related to deferred financing costs, payments related to employee share-based compensation payroll taxes and proceeds from the exercise of stock options.In the first six months of fiscal year 2025, we did not borrow or make payments on our Revolving Credit Facility. In the first six months of fiscal year 2024, we borrowed $60.0 million on our Revolving Credit Facility. In the first six months of fiscal year 2025, we paid $0.8 million for deferred financing costs, compared to $11.7 million for the first six months of fiscal year 2024.In the first six months of fiscal year 2025, we paid $4.2 million for employee share-based compensation payroll taxes and received proceeds of $0.6 million from the exercise of stock options. In the first six months of fiscal year 2024, we paid $2.4 52million for employee share-based compensation payroll taxes. We do not directly control the timing of the exercise of stock options. Such exercises are independent decisions made by grantees and are influenced most directly by the stock price and the expiration dates of stock option awards. Such proceeds are difficult to forecast, resulting from several factors that are outside our control. We believe that such proceeds will remain a nominal source of cash in the future.Critical Accounting EstimatesOur critical accounting estimates are disclosed in "Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations" included in Item 7 of our Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024. There have been no significant changes to our policies during the six months ended JulyÂ 28, 2024. Recent Accounting PronouncementsFor a discussion of recent accounting pronouncements, see Note 1, Organization and Basis of Presentation to our interim unaudited condensed consolidated financial statements. ITEM 3.Quantitative and Qualitative Disclosures About Market RiskWe are subject to a variety of market risks, including commodity risk and the risks related to foreign currency, interest rates and market performance that are discussed in ItemÂ 7A of our Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024. Many of the factors that can have an impact on our market risk are external to us, and so we are unable to fully predict them.Commodity RiskWe are subject to risk from fluctuating market prices of certain commodity raw materials, particularly gold, that are incorporated into our end products or used by our suppliers to process our end products. Increased commodity prices are passed on to us in the form of higher prices from our suppliers, either in the form of general price increases or a commodity surcharge. Although we generally deal with our suppliers on a purchase order basis rather than on a long-term contract basis, we generally attempt to obtain firm pricing for volumes consistent with planned production. Our gross margins may decline if we are not able to increase selling prices of our products or obtain manufacturing efficiencies to offset the increased cost. We do not enter into formal hedging arrangements to mitigate against commodity risk.Foreign Currency RiskOur foreign operations expose us to the risk of fluctuations in foreign currency exchange rates against our functional currencies and we may economically hedge this risk with foreign currency contracts (such as currency forward contracts). Gains or losses on these balances are generally offset by corresponding losses or gains on the related hedging instruments. As of JulyÂ 28, 2024, our largest foreign currency exposures were from the Australian Dollar, Canadian Dollar, Euro, Swiss Franc, South Korean Won, and Great British Pound.We considered the historical trends in foreign currency exchange rates and determined that it is reasonably possible that adverse changes in foreign exchange rates of 10% for all currencies could be experienced in the near-term. These reasonably possible adverse changes were applied to our total monetary assets and liabilities denominated in currencies other than our functional currency as of the end of our second quarter of fiscal year 2025. The adverse impact these changes would have had (after taking into account balance sheet hedges only) on our incomeÂ before taxes is $5.4 million for the quarter ended JulyÂ 28, 2024.Interest rate and credit riskWe are subject to interest rate risk in connection with the portion of the outstanding debt under our Credit Agreement that bears interest at a variable rate as of JulyÂ 28, 2024. In the first quarter of fiscal year 2024, we entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.58%, plus a variable margin and spread based on our consolidated leverage ratio. In the fourth quarter of fiscal year 2023, we entered into an interest rate swap agreement with a 5 year term to

hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.44%, plus a variable margin and spread based on our consolidated leverage ratio. Based upon our $238.0Â million of unhedged floating-rate outstanding indebtedness as of JulyÂ 28, 2024, the adverse impact a one percentage point increase in Term SOFR would have on our interest expense is $2.4Â million.Interest rates also affect our return on excess cash and investments. As of JulyÂ 28, 2024, we had $115.9 million of cash and cash equivalents. A majority of our cash and cash equivalents generate interest income based on prevailing interest rates. Interest income, net of reserves, generated by our investments and cash and cash equivalents was $0.4 million in the second quarter of 53fiscal year 2025. A significant change in interest rates would impact the amount of interest income generated from our cash and investments. It would also impact the market value of our investments.Our investments are primarily subject to credit risk. Our investment guidelines prescribe credit quality, permissible investments, diversification, and duration restrictions. These restrictions are intended to limit risk by restricting our investments to high quality debt instruments with relatively short-term durations. Our investment strategy limits investment of new funds and maturing securities to U.S. Treasury, Federal agency securities, high quality money market funds and time deposits with our principal commercial banks. Outside of these investment guidelines, we also invest in a limited amount of debt securities in privately held companies that we view as strategic to our business. For example, many of these investments are in companies that are enabling the LoRaÂ®- and LoRaWANÂ® -based ecosystem. Actual events involving limited liquidity, defaults, non-performance or other adverse developments that affect financial institutions or other companies in the financial services industry or the financial services industry generally, or concerns or rumors about any events of these kinds, have in the past and may in the future lead to market-wide liquidity problems. Financial instruments that potentially subject us to significant concentrations of credit risk consist primarily of cash, cash equivalents and marketable securities. We maintain cash held in deposit at financial institutions in the U.S. These deposits are insured by the FDIC in an amount up to $250,000 for any depositor. To the extent we hold cash deposits in amounts that exceed the FDIC insurance limitation, we may incur a loss in the event of a failure of any of the financial institutions where we maintain deposits. There can be no assurance that our deposits in excess of the FDIC or other comparable insurance limits will be backstopped by the U.S. or any applicable foreign government in the future or that any bank or financial institution with which we do business will be able to obtain needed liquidity from other banks, government institutions or by acquisition in the event of a future failure or liquidity crisis. In addition, if any of our partners or parties with whom we conduct business are unable to access funds due to the status of their financial institution, such partiesâ€™ ability to pay their obligations to us or to enter into new commercial arrangements requiring additional payments to us could be adversely affected. Management believes we are not exposed to significant risk due to the financial position of the depository institution, but will continue to monitor regularly and adjust, if needed, to mitigate risk. We have established guidelines regarding diversification of our investments and their maturities, which are designed to maintain principal and maximize liquidity. To date, we have not experienced any losses associated with this credit risk and continue to believe that this exposure is not significant.ITEM 4.Controls and ProceduresEvaluation of Disclosure Controls and ProceduresWe maintain disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), which are designed to ensure that information required to be disclosed in the reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), as appropriate to allow timely decisions regarding required disclosure. Our management, with the participation of our CEO and CFO, evaluated the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the period covered by this Quarterly Report. As a result of the material weaknesses in our internal control over financial reporting described in Item 9A., Controls and Procedures, in our Annual Report on Form 10-K for the fiscal year ended January 28, 2024 filed with the SEC on March 28, 2024, and as outlined below, our management, including our CEO and CFO, concluded that our disclosure controls and procedures were not effective as of JulyÂ 28, 2024.Material WeaknessesA material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of the annual or interim financial statements will not be prevented or detected on a timely basis.We have identified a deficiency in a principle associated with the risk assessment component of the COSO framework. Specifically, the control deficiency constitutes a material weakness relating to identifying and assessing changes in the business that could impact our system of internal control. Contributing factors relate to the integration of Sierra Wireless, Inc. ("Sierra Wireless"), which the Company acquired on January 12, 2023. The risk assessment material weakness contributed to other material weaknesses within our system of internal control over financial reporting at the control activity level, all of which were associated with the Sierra Wireless business. â€¢We did not design and maintain effective controls to ensure that all manual journal entries were properly approved prior to being posted to the general ledger system, and certain individuals had the ability to both prepare, review and post manual journal entries to the general ledger.â€¢We did not design and maintain effective controls to ensure the timely collection and maintenance of documentation necessary to support claimed value added tax ("VAT") withholding exemptions in certain jurisdictions.â€¢We did not maintain adequate evidence of the review of information used to determine the inventory excess and obsolescence reserves.In addition, we did not maintain adequate evidence of our review of the operating forecasts used in the preparation of the financial statements.Remediation MeasuresManagement is committed to addressing and remediating the aforementioned material weaknesses and believes progress has been made in our remediation efforts.â€¢We are enhancing our risk assessment process to ensure it is sufficiently robust to identify and analyze significant changes in the business, including the impact of these changes on the identification of risks and the internal control structure.â€¢We have migrated the Sierra Wireless enterprise resource planning system to existing Semtech financial systems which we expect to remediate the material weakness around manual journal entries because this migration results in the use of existing policies, processes and internal controls for manual journal entry posting at Sierra Wireless going forward.â€¢We are enhancing our processes and internal controls to ensure the completeness and accuracy of the information used to estimate the excess and obsolete inventory reserve related to Sierra Wireless inventory.â€¢We have implemented enhanced processes and internal controls to ensure documentation is retained to support proof of delivery for all transactions with value added tax claims.â€¢We updated our policies and educated our personnel to properly document and maintain evidence of review of operating forecasts and information used in preparation of the financial statements.As we continue to evaluate and work to remediate the control deficiencies that gave rise to the material weaknesses, we may determine that additional measures are required to address the control deficiencies, or that we need to modify or otherwise adjust the remediation measures described above. We will continue to assess the effectiveness of our remediation efforts in connection with our evaluation of our internal control over financial reporting. Further, while certain remediation measures are currently in place, the identified material weaknesses will not be considered remediated until the remediation measures have been fully designed and implemented, the applicable controls operate for a sufficient period of time, and we have concluded through testing that the newly implemented controls are operating effectively.Changes in Internal ControlsOther than the remediation measures described above, there were no changes to our internal control over financial reporting that occurred during the fiscal quarter ended JulyÂ 28, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.54PART II â€“ OTHER INFORMATIONÂ ITEM 1.Legal ProceedingsInformation about our material legal proceedings is set forth in Note 12, Commitments and Contingencies to the interim unaudited condensed consolidated financial statements included in Part I, ItemÂ 1 of this Quarterly Report and incorporated by reference herein.We have elected to disclose environmental proceedings described in Item 103(c)(3)(iii) of Regulation S-K unless we reasonably believe that such proceeding will result in no monetary sanctions, or in monetary sanctions, exclusive of interest and costs, of less than $1,000,000.ITEM 1A.Risk FactorsPlease carefully consider and evaluate all of the information in this Quarterly Report and the risk factors set forth in our Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024. If any of these risks actually occur, our business could be materially harmed. If our business is harmed, the trading price of our common stock could decline.The risk factors associated with our business have not materially changed as compared to the risk factors disclosed in our Annual Report on Form 10-K for the fiscal year ended JanuaryÂ 28, 2024.ITEM 2.Unregistered Sales of Equity Securities and Use of ProceedsRecent Sales of Unregistered SecuritiesAs previously disclosed in our Current Report on Form 8-K filed on July 25, 2024, on July 11, 2024 and July 15, 2024, we entered into separate, privately negotiated Exchange Agreements with certain holders of our 2028 Notes. Pursuant to the Exchange Agreements, on July 24, 2024, certain holders exchanged approximately $188.1 million in aggregate principal amount of the 2028 Notes held by them for an aggregate of 10,378,431 newly issued shares of our common stock, which were exempt from registration under Section 3(a)(9) and 4(a)(2) of the Securities Act of 1933, as amended, and Rule 144, as amended, promulgated thereunder.Issuer Purchase of Equity SecuritiesNone.ITEM 3.Defaults Upon Senior SecuritiesNone.ITEM 4.Mine Safety DisclosuresNot applicable.ITEM 5.Other InformationInsider Trading ArrangementsNone.55ITEM 6.ExhibitsDocuments that are not physically filed with this report are incorporated herein by reference to the location indicated.Exhibit No.DescriptionLocation3.1Restated Certificate of Incorporation of Semtech CorporationExhibit 3.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended October 26, 20033.2Amended and Restated Bylaws of Semtech CorporationExhibit 3.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended, October 30, 202210.1 *Employment Agreement, dated June 6, 2024, between Hong Q. Hou and Semtech CorporationExhibit 10.1 to the Companyâ€™s Current Report on Form 8-K filed on June 7, 202410.2 *Amended and Restated Semtech Corporation 2017 Long-Term Equity Incentive Plan Exhibit 10.1 to the Companyâ€™s Current Report on Form 8-K filed on June 13, 202410.3 *Semtech Corporation Executive Change in Control Retention Plan (As Amended and Restated June 11, 2024)Exhibit 10.2 to the Companyâ€™s Current Report on Form 8-K filed on June 13, 202410.4 *Form of Restricted Stock Unit Award Certificate (Fiscal 2025)Filed herewith10.5 *Form of Restricted Stock Unit Award Certificate for Executives with Employment Agreements (Fiscal 2025)Filed herewith10.6 *Form of Performance Stock Unit Award Certificate (Fiscal 2025)Filed herewith10.7 *Form of Performance Stock Unit Award Certificate for Executives with Employment Agreements (Fiscal 2025)Filed herewith31.1Certification of the Chief Executive Officer Pursuant to Rule 13a-14(a) or Rule 15d-14(a) under the Securities Exchange Act of 1934, as amendedFiled herewith31.2Certification of the Chief Financial Officer Pursuant to Rule 13a-14(a) or Rule 15d-14(a) under the Securities Exchange Act of 1934, as amendedFiled herewith32Certification of the Chief Executive Officer and Chief Financial Officer Pursuant to 18 U.S.C. Â§1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Exhibit 32 is being furnished and shall not be deemed "filed")Furnished herewith101The following financial statements from the Companyâ€™s Quarterly Report on Form 10-Q for the quarter ended JulyÂ 28, 2024, formatted in Inline XBRL: (i) Consolidated Statements of Operations, (ii) Consolidated Statements of Comprehensive Income and Loss, (iii) Consolidated Balance Sheets (iv) Consolidated Statements of Stockholdersâ€™ Equity, (v) Consolidated Statements of Cash Flow and (v) Notes to Consolidated Financial Statements, tagged as blocks of text and including detailed tags.104The cover page from the Companyâ€™s Quarterly Report on Form 10-Q for the quarter ended JulyÂ 28, 2024, formatted in Inline XBRL (included as Exhibit 101).*Management contract or compensatory plan or arrangement.56SIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.Â SEMTECH CORPORATIONRegistrantDate: August 28, 2024/s/Â Mark LinMark LinExecutive Vice President and Chief Financial Officer(Principal Accounting and Financial Officer)57 EX-10.4 2 smtc-07282024xex104.htm EX-10.4 DocumentSEMTECH CORPORATION2017 LONG-TERM EQUITY INCENTIVE PLAN RESTRICTED STOCK UNIT AWARD CERTIFICATE THIS AWARD is made this [Grant Date] (the â€œAward Dateâ€) by Semtech Corporation, a Delaware corporation (the â€œCorporationâ€), to [Legal Name] (the â€œParticipantâ€). R E C I T A L SA. The Corporation has established the Corporationâ€™s 2017 Long-Term Equity Incentive Plan, as amended and restated (the â€œPlanâ€), in order to provide eligible persons of the Corporation with an opportunity to acquire shares of the Corporationâ€™s common stock (the â€œCommon Stockâ€).B. The Administrator has determined that it would be in the best interests of the Corporation and its stockholders to grant the restricted stock unit award (the â€œAwardâ€) described in this Award Certificate to the Participant. NOW, THEREFORE, this Award is made on the following terms and conditions: 1.Â Â Â Â Definitions. Capitalized terms used in this Award Certificate and not otherwise defined herein shall have the meanings given to such terms in the Plan.2.Â Â Â Â Award of Stock Units. Pursuant to the Plan, the Corporation hereby awards to the Participant as of the date hereof an Award with respect to [Amount] restricted stock units (subject to adjustment in accordance with SectionÂ 7.1 of the Plan) (the â€œStock Unitsâ€), which Stock Units are restricted and subject to forfeiture on the terms and conditions hereinafter set forth.As used herein, the term â€œStock Unitâ€ shall mean a non-voting unit of measurement which is deemed solely for purposes of calculating the amount of payment under the Plan and this Award Certificate to be equivalent to one outstanding share of the Common Stock (subject to adjustment in accordance with SectionÂ 7.1 of the Plan). The Stock Units shall be used solely as a device for the determination of the payment to eventually be paid to the Participant if such Stock Units vest pursuant to Section 4 hereof. The Stock Units shall not be treated as property or as a trust fund of any kind. The Participant acknowledges that the Administrator may use a broker or other third party to facilitate its recordkeeping for awards granted under the Plan and agrees to comply with any administrative rules and procedures regarding such awards as may be in place from time to time. The Participant acknowledges and agrees that the Corporation may require that any Common Stock received under the Award be deposited in a brokerage account (in the name of the Participant) with a broker designated by the Corporation, and the Participant agrees to take such reasonable steps as the Corporation may require to open and maintain such an account.13.Â Â Â Â Rights as a Stockholder; Dividends and Voting. (a)Â Â Â Â Limitations on Rights Associated with Units. The Participant shall have no rights as a stockholder of the Corporation, no dividend rights (except as expressly provided in Section 3(b) below with respect to dividend equivalent rights) and no voting rights, with respect to the Stock Units and any shares of Common Stock underlying such Stock Units.(b)Â Â Â Â Dividend Equivalent Rights Distributions. In the event that the Corporation pays an ordinary cash dividend on its Common Stock and the related dividend payment record date occurs at any time after the Award Date and before all of the Stock Units subject to the Award have either been paid pursuant to Section 5 or terminated pursuant to Section 4, the Corporation shall credit the Participant as of the payment date of such dividend with an additional number of Stock Units equal to (i) the per-share cash dividend paid by the Corporation on its Common Stock with respect to such record date, multiplied by (ii) the total number of outstanding and unpaid Stock Units (including any dividend equivalents previously credited hereunder) (with such total number adjusted pursuant to Section 7.1 of the Plan and/or Section 10 hereof) subject to the Award as of such record date, divided by (iii) the fair market value of a share of Common Stock (as determined under the Plan) on the payment date of such dividend. Any Stock Units credited pursuant to the foregoing provisions of this Section 3(b) shall be subject to the same vesting, payment and other terms, conditions and restrictions as the original Stock Units to which they relate. No crediting of Stock Units shall be made pursuant to this Section 3(b) with respect to any Stock Units which, as of such record date, have either been paid pursuant to Section 5 or terminated pursuant to Section 4.4.Â Â Â Â Vesting; Termination of Employment. (a)Â Â Â Â Vesting in General. Subject to Sections 4(b) and (c) below, the Award shall vest and become nonforfeitable with respect to [one-third (1/3)] of the total number of Stock Units subject to the Award (subject to adjustment under Section 7.1 of the Plan) on [the first Scheduled Vesting Date (as such term is defined below) that occurs on or after the first annual anniversary of the Award Date (the â€œFirst Vesting Dateâ€) and on each of the first and second annual anniversaries of the First Vesting Date]; provided that any fractional Stock Unit otherwise vesting on a particular vesting date shall be ignored but shall be carried forward and combined with any Stock Units vesting on the next applicable vesting date. The Participant has no right to pro-rated vesting with respect to the Award if his or her services to the Corporation or one of its Subsidiaries terminate before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was in service to the Corporation and/or any of its Subsidiaries). For purposes of the Award, the term â€œScheduled Vesting Dateâ€ means [each March 10, June 10, September 10, and December 10 of each calendar year].(b)Â Â Â Â Termination In Connection With a Change in Control. Notwithstanding any other provision to the contrary contained herein and subject to the provisions of SectionÂ 7 of the Plan, in the event the Participant is a participant in the Corporationâ€™s Executive Change in Control Retention Plan (the â€œChange in Control Planâ€) immediately prior to his or her Termination Date (as defined in SectionÂ 4(c) below) and the Participantâ€™s employment is terminated in a Qualifying Termination during a Change in Control Window (as such terms are defined in the Change in Control Plan), 100% of the total Stock Units (to the extent outstanding and not previously vested immediately prior to such termination of employment) shall be vested on the Termination Date or, if such Termination Date occurs in the Change in Control Window but 2prior to the consummation of the Change in Control (as defined in the Change in Control Plan) to which the Change in Control Window relates, on the date of such Change in Control, provided in each case that the Participant executes and delivers to the Corporation the release contemplated by the Change in Control Plan not later than twenty-one (21) days (forty-five (45) days, if such longer period is required by applicable law) following such vesting date and does not revoke such release. (c)Â Â Â Â Effect of Termination of Employment. Notwithstanding anything to the contrary contained in any employment or similar agreement entered into by and between the Participant and the Corporation, subject to Section 4(b), if the Participant ceases to be employed by the Corporation or one of its Subsidiaries (regardless of the reason for such termination of employment, whether with or without cause, voluntarily or involuntarily, by the Participant or by the

Corporation, or due to the Participantâ€™s death or disability), then the Stock Units (including, for clarity, any stock units credited as dividend equivalents pursuant to Section 3(b)) which have not vested as of the date that the Participant ceases to be employed by the Corporation or one of its Subsidiaries (the â€œTermination Dateâ€) shall automatically terminate and be cancelled as of the Termination Date without payment of any consideration by the Corporation and without any other action by the Participant, or the Participantâ€™s beneficiary or personal representative, as the case may be.5.Â Â Â Â Timing and Manner of Payment of Stock Units. Subject to Section 6 below, on or as soon as practicable following (and in all events within thirty (30) days after, unless Section 4(b) applies, in which case the applicable period shall be seventy-four (74) rather than thirty (30) days after the applicable vesting date) the vesting of any Stock Units subject to the Award pursuant to Section 4, the Corporation shall deliver to the Participant a number of shares of Common Stock (either by delivering one or more certificates for such shares or by entering such shares in book entry form, as determined by the Administrator in its discretion) equal to the number of Stock Units subject to the Award (including any Stock Units issued in respect of dividend equivalent rights) that vested on that particular vesting date; provided, however, that the Corporation reserves the right to settle any Stock Units credited as dividend equivalents pursuant to Section 3(b) by a cash payment. In the event of such a cash payment, the cash payable with respect to a Stock Unit shall equal the fair market value of a share of Common Stock (such fair market value determined under the Plan) as of the vesting date of that Stock Unit. The Corporationâ€™s obligation to deliver shares of Common Stock or otherwise make payment with respect to vested Stock Units is subject to the condition precedent that the Participant or other person entitled under the Plan to receive any shares or any such payment with respect to the vested Stock Units deliver to the Corporation any representations or other documents or assurances required pursuant to SectionÂ 8.1 of the Plan. In the event that Section 4(b) applies and the period of time for the Participant to consider, execute and revoke the applicable release agreement spans two calendar years, payment of the Stock Units that accelerated and became vested pursuant to such provision shall be made within the applicable period of time provided for above but in the second of such two years. The Corporation may, in its sole discretion, either ignore fractional share interests or settle them in cash. The Participant shall have no further rights with respect to any Stock Units that are paid pursuant to this Section 5 or that terminate pursuant to Section 4(c). 6.Â Â Â Â Section 409A. Notwithstanding anything to the contrary herein or in the Plan, if the Participant is a â€œspecified employeeâ€ within the meaning of Section 409A of the Code, and, as a result of that status, any portion of the payments hereunder would otherwise be subject to taxation pursuant to Section 409A of the Code, the Participant shall not be entitled to any payments upon a â€œseparation from serviceâ€ (within the meaning of Section 409A of the Code) until the earlier of (i) the date which is six 3(6) months after his or her separation from service for any reason other than death, or (ii) the date of the Participantâ€™s death; provided that the first such payment thereafter shall include all amounts that would have been paid earlier but for such six (6) month delay. 7.Â Â Â Â Non-Transferability of Award. This Award is personal and, prior to the time they have become vested pursuant to Section 4 hereof or Section 7.2 of the Plan, neither the Stock Units nor any rights hereunder may be transferred, assigned, pledged or hypothecated by the Participant in any way (whether by operation of law or otherwise), other than by will or the laws of descent and distribution, nor shall any such rights be subject to execution, attachment or similar process; provided, however, that such restrictions shall not apply to transfers to the Corporation. Except as otherwise provided herein, any attempted alienation, assignment, pledge, hypothecation, attachment, execution or similar process, whether voluntary or involuntary, with respect to all or any part of the Participantâ€™s unvested rights under this Award, shall be null and void. 8.Â Â Â Â No Right to Continued Employment or Service. Except as provided in Section 4(b), the vesting schedule requires continued employment or service through each applicable vesting date as a condition to the vesting of the applicable installment of the Award and the rights and benefits under the Award. Except as provided in Section 4(b), employment or service for only a portion of the vesting period, even if a substantial portion, will not entitle the Participant to any proportionate vesting or avoid or mitigate a termination of rights and benefits upon or following a termination of services as provided in Section 4(c) above. Nothing contained in the Plan or this Award Certificate constitutes a continued employment or service commitment by the Corporation or any of its Subsidiaries, confers upon the Participant any right to remain in the employ of or service to the Corporation or any of its Subsidiaries, interferes with the right of the Corporation or any of its Subsidiaries at any time to terminate such employment or services, or affects the right of the Corporation or any of its Subsidiaries to increase or decrease the Participantâ€™s other compensation. By accepting this Award, the Participant acknowledges and agrees that (a) any person who is terminated before full vesting of an award, such as the one granted to the Participant by this Award Certificate, could attempt to argue that he or she was terminated to preclude vesting; (b) the Participant promises never to make such a claim; and (c) except as otherwise expressly provided in Section 4(b), in any event, the Participant has no right to pro-rated vesting with respect to the Award if his or her service terminates before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was actually in the service of the Corporation and/or any of its Subsidiaries).9.Â Â Â Â Tax Consequences. (a)Â Â Â Â Tax Consultation. The Participant understands that he or she may suffer adverse tax consequences as a result of his or her acceptance of the Award. The Participant represents that he or she has consulted with any tax consultants he or she deems advisable in connection with the acceptance of the Award and that he or she is not relying on the Corporation or any of its Subsidiaries, officers, employees or agents for any tax advice. By accepting this Award and except as provided in Section 9(b), the Participant acknowledges that he or she shall be solely responsible for the satisfaction of any taxes that may arise (including taxes arising under SectionÂ 409A of the Code) with respect to the Award, and that the Corporation and its Subsidiaries shall not have any obligation whatsoever to pay such taxes. (b)Â Â Â Â Withholding. In connection with any vesting or payment of any Stock Units (and, notwithstanding anything else in this Award Certificate to the contrary, as a condition to any obligation of the Corporation to issue shares of Common Stock or otherwise make any payment 4in respect of the Award), or upon any other tax withholding event with respect to the Award, the Participant shall make arrangements satisfactory to the Corporation to provide for the satisfaction of any federal, state, local or other taxes, or other applicable withholding obligations, the Corporation or any of its Subsidiaries may be required to withhold with respect to such event or payment. In connection with any distribution of shares of Common Stock in respect of vested Stock Units, the Corporation may, in its discretion, reduce the number of shares of Common Stock to be delivered by (or otherwise reacquire) the appropriate number of whole shares, valued at their then fair market value (with the â€œfair market valueâ€ of such shares determined in accordance with the applicable provisions of the Plan), to satisfy any such withholding obligations of the Corporation or any of its Subsidiaries with respect to such distribution of shares. In connection with any cash payment in respect of the Award, the Corporation may, in its discretion, satisfy any such withholding obligations of the Corporation or any of its Subsidiaries with respect to such payment by withholding from the amount otherwise payable. The Corporation may also, in its discretion, satisfy any such withholding obligations arising in connection with the Award by deducting such withholding obligations from other compensation payable to the Participant. The Participant agrees to take any further actions and execute any additional documents as may be necessary to effectuate the provisions of this Section 9.10.Â Â Â Â Adjustments Upon Specified Events. Upon the occurrence of certain events relating to the Corporationâ€™s stock contemplated by SectionÂ 7.1 of the Plan, the Administrator shall make adjustments in accordance with such section in the number of Stock Units then outstanding and the number and kind of securities that may be issued in respect of the Award. No such adjustment shall be made with respect to any ordinary cash dividend for which dividend equivalents are credited pursuant to Section 3(b).11.Â Â Â Â Severability. In the event that any provision or portion of this Award Certificate shall be determined to be invalid or unenforceable for any reason, in whole or in part, in any jurisdiction, the remaining provisions of this Award Certificate shall be unaffected thereby and shall remain in full force and effect to the fullest extent permitted by law in such jurisdiction, and such invalidity or unenforceability shall have no effect in any other jurisdiction. 12.Â Â Â Â Binding Effect. This Award Certificate shall extend to, be binding upon and inure to the benefit of the Participant and the Participantâ€™s legal representatives, heirs, successors and assigns (subject, however, to the limitations set forth in SectionÂ 7 with respect to the transfer of this Award Certificate or any rights hereunder or of the Stock Units), and upon the Corporation and its successors and assigns, regardless of any change in the business structure of the Corporation, be it through spin-off, merger, sale of stock, sale of assets or any other transaction. 13.Â Â Â Â Notices. Any notice to the Corporation contemplated by this Award Certificate shall be in writing and be addressed to it in care of its Corporate Secretary; and any notice to the Participant shall be addressed to him or her at the address on file with the Corporation on the date hereof or at such other address as he or she may hereafter designate in writing.14.Â Â Â Â Plan. The Award and all rights of the Participant under this Award Certificate are subject to the terms and conditions of the provisions of the Plan, incorporated herein by reference. The Participant agrees to be bound by the terms of the Plan and this Award Certificate. The Participant acknowledges having read and understanding the Plan, the Prospectus for the Plan, and this Award Certificate. Unless otherwise expressly provided in other sections of this Award Certificate, provisions of the Plan that confer discretionary authority on the Board or the Administrator do not (and shall not be deemed to) create any rights in the Participant unless such rights are expressly set forth herein or are otherwise in 5the sole discretion of the Board or the Administrator so conferred by appropriate action of the Board or the Administrator under the Plan after the date hereof.15.Â Â Â Â Entire Agreement. This Award Certificate, together with the Plan, constitutes the entire understanding between the Corporation and the Participant with regard to the subject matter of this Award Certificate. They supersede any other agreements, representations or understandings (whether oral or written and whether express or implied) which relate to the subject matter of this Award Certificate.16.Â Â Â Â Waiver. The waiver of any breach of any duty, term or condition of this Award Certificate shall not be deemed to constitute a waiver of any preceding or succeeding breach of the same or of any other duty, term or condition of this Award Certificate. 17.Â Â Â Â Interpretation. The interpretation, construction, performance and enforcement of the terms and conditions of this Award Certificate and the Plan shall lie within the sole discretion of the Administrator, and the Administratorâ€™s determinations shall be conclusive and binding on all interested persons. 18.Â Â Â Â Choice of Law; Arbitration. This Award Certificate shall be governed by, and construed in accordance with, the laws of the State of California (disregarding any choice-of-law provisions). If the Participant is a party to an agreement with the Corporation to arbitrate claims, such agreement to arbitrate claims shall apply as to any dispute or disagreement regarding the Participantâ€™s rights under this Award Certificate. 19.Â Â Â Â Construction. It is intended that the terms of the Award will not result in the imposition of any tax liability pursuant to SectionÂ 409A of the Code. This Award Certificate shall be construed and interpreted consistent with that intent.20.Â Â Â Â Clawback Policy. The Award is subject to the terms of the Corporationâ€™s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of the Award or any shares of Common Stock or other cash or property received with respect to the Award (including any value received from a disposition of the shares acquired upon payment of the Award). The Participant hereby agrees to promptly repay to the Corporation any amounts that are required to be repaid pursuant to such policy.21.Â Â Â Â Section Headings. The section headings of this Award Certificate are for convenience of reference only and shall not be deemed to alter or affect any provision hereof.22.Â Â Â Â No Advice Regarding Grant. The Participant is hereby advised to consult with his or her own tax, legal and/or investment advisors with respect to any advice the Participant may determine is needed or appropriate with respect to the Stock Units (including, without limitation, to determine the foreign, state, local, estate and/or gift tax consequences with respect to the Award). Neither the Corporation nor any of its officers, directors, affiliates or advisors makes any representation (except for the terms and conditions expressly set forth in this Award Certificate) or recommendation with respect to the Award.6The Participant, in accepting the Award, agrees to the terms and conditions of this Award Certificate. SEMTECH CORPORATION,a Delaware corporationBy: _____Mark LinExecutive Vice President and Chief Financial Officer7 EX-10.5 3 smtc-07282024xex105.htm EX-10.5 DocumentSEMTECH CORPORATION2017 LONG-TERM EQUITY INCENTIVE PLAN RESTRICTED STOCK UNIT AWARD CERTIFICATE THIS AWARD is made this [_____] (the â€œAward Dateâ€) by Semtech Corporation, a Delaware corporation (the â€œCorporationâ€), to [_____] (the â€œParticipantâ€). R E C I T A L SA. The Corporation has established the Corporationâ€™s 2017 Long-Term Equity Incentive Plan, as amended and restated (the â€œPlanâ€), in order to provide eligible persons of the Corporation with an opportunity to acquire shares of the Corporationâ€™s common stock (the â€œCommon Stockâ€).B. The Administrator has determined that it would be in the best interests of the Corporation and its stockholders to grant the restricted stock unit award (the â€œAwardâ€) described in this Award Certificate to the Participant. NOW, THEREFORE, this Award is made on the following terms and conditions: 1.Â Â Â Â Definitions. Capitalized terms used in this Award Certificate and not otherwise defined herein shall have the meanings given to such terms in the Plan.2.Â Â Â Â Award of Stock Units. Pursuant to the Plan, the Corporation hereby awards to the Participant as of the date hereof an Award with respect to [_____] restricted stock units (subject to adjustment in accordance with SectionÂ 7.1 of the Plan) (the â€œStock Unitsâ€), which Stock Units are restricted and subject to forfeiture on the terms and conditions hereinafter set forth. As used herein, the term â€œStock Unitâ€ shall mean a non-voting unit of measurement which is deemed solely for purposes of calculating the amount of payment under the Plan and this Award Certificate to be equivalent to one outstanding share of the Common Stock (subject to adjustment in accordance with SectionÂ 7.1 of the Plan). The Stock Units shall be used solely as a device for the determination of the payment to eventually be paid to the Participant if such Stock Units vest pursuant to Section 4 hereof. The Stock Units shall not be treated as property or as a trust fund of any kind. The Participant acknowledges that the Administrator may use a broker or other third party to facilitate its recordkeeping for awards granted under the Plan and agrees to comply with any administrative rules and procedures regarding such awards as may be in place from time to time. The Participant acknowledges and agrees that the Corporation may require that any Common Stock received under the Award be deposited in a brokerage account (in the name of the Participant) with a broker designated by the Corporation, and the Participant agrees to take such reasonable steps as the Corporation may require to open and maintain such an account. [The Award, together with any stock units granted by the Company to the Participant on or about the Award Date that are subject to both time/service-based and performance-based vesting conditions (the terms and conditions of which are governed by a written Performance Stock Unit Award Certificate from the Company), are in full satisfaction of any and all rights that the Participant may have to receive equity awards from the Company in fiscal year 2025 pursuant to Section [___] of the Participantâ€™s Employment 1Agreement with the Company dated [_____] (the â€œEmployment Agreementâ€). In the event of any conflict or inconsistency between this Award Certificate and the Employment Agreement, this Award Certificate controls.]3.Â Â Â Â Rights as a Stockholder; Dividends and Voting. (a)Â Â Â Â Limitations on Rights Associated with Units. The Participant shall have no rights as a stockholder of the Corporation, no dividend rights (except as expressly provided in Section 3(b) below with respect to dividend equivalent rights) and no voting rights, with respect to the Stock Units and any shares of Common Stock underlying such Stock Units.(b)Â Â Â Â Dividend Equivalent Rights Distributions. In the event that the Corporation pays an ordinary cash dividend on its Common Stock and the related dividend payment record date occurs at any time after the Award Date and before all of the Stock Units subject to the Award have either been paid pursuant to Section 5 or terminated pursuant to Section 4, the Corporation shall credit the Participant as of the payment date of such dividend with an additional number of Stock Units equal to (i) the per-share cash dividend paid by the Corporation on its Common Stock with respect to such record date, multiplied by (ii) the total number of outstanding and unpaid Stock Units (including any dividend equivalents previously credited hereunder) (with such total number adjusted pursuant to Section 7.1 of the Plan and/or Section 10 hereof) subject to the Award as of such record date, divided by (iii) the fair market value of a share of Common Stock (as determined under the Plan) on the payment date of such dividend. Any Stock Units credited pursuant to the foregoing provisions of this Section 3(b) shall be subject to the same vesting, payment and other terms, conditions and restrictions as the original Stock Units to which they relate. No crediting of Stock Units shall be made pursuant to this Section 3(b) with respect to any Stock Units which, as of such record date, have either been paid pursuant to Section 5 or terminated pursuant to Section 4.4.Â Â Â Â Vesting; Termination of Employment. (a)Â Â Â Â Vesting in General. Subject to Sections 4(b) and (c) below, the Award shall vest and become nonforfeitable with respect to [one-third (1/3)] of the total number of Stock Units subject to the Award (subject to adjustment under Section 7.1 of the Plan) on [the first Scheduled Vesting Date (as such term is defined below) that occurs on or after the first annual anniversary of the Award Date (the â€œFirst Vesting Dateâ€) and on each of the first and second annual anniversaries of the First Vesting Date]; provided that any fractional Stock Unit otherwise vesting on a particular vesting date shall be ignored but shall be carried forward and combined with any Stock Units vesting on the next applicable vesting date. The Participant has no right to pro-rated vesting with respect to the Award if his or her services to the Corporation or one of its Subsidiaries terminate before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was in service to the Corporation and/or any of its Subsidiaries). For purposes of the Award, the term â€œScheduled Vesting Dateâ€ means [each March 10, June 10, September 10, and December 10 of each calendar year].(b)Â Â Â Â Termination In Connection With a Change in Control. Notwithstanding any other provision to the contrary contained herein and subject to the provisions of SectionÂ 7 of the Plan, in the event that, during a Change in Control Window, the Participantâ€™s employment with the Corporation or one of its Subsidiaries terminates as a result of a termination by the Corporation or such Subsidiary without Cause (other than due to the Participantâ€™s death or Disability) or a 2resignation by the Participant for Good Reason, 100% of the total Stock Units (to the extent outstanding and not previously vested immediately prior to such termination of employment) shall be vested on the date that the Participant ceases to be employed by the Corporation or one of its Subsidiaries (the â€œTermination

Dateâ€) or, if such Termination Date occurs in the Change in Control Window but prior to the consummation of the Change in Control Event to which the Change in Control Window relates, on the date of such Change in Control Event, provided in each case that the Participant executes and delivers to the Corporation the release contemplated by the Employment Agreement not later than twenty-one (21) days (forty-five (45) days, if such longer period is required by applicable law) following such vesting date and does not revoke such release (the â€œRelease Requirementâ€). As used in this Award Certificate, the terms â€œCauseâ€, â€œGood Reasonâ€, â€œDisabilityâ€, â€œChange in Control Windowâ€, and â€œChange in Control Eventâ€ shall have the meaning ascribed to such term in the Employment Agreement. (c)Â Â Â Â Effect of Termination of Employment. Subject to Section 4(b), if the Participant ceases to be employed by the Corporation or one of its Subsidiaries then the Stock Units which have not vested as of the Participantâ€™s Termination Date shall automatically terminate and be cancelled as of the Termination Date without payment of any consideration by the Corporation and without any other action by the Participant, or the Participantâ€™s beneficiary or personal representative, as the case may be; provided, however, that if the Participantâ€™s employment with the Corporation or one of its Subsidiaries terminates as a result of a termination by the Corporation without Cause (other than due to the Participantâ€™s death or Disability) or a resignation by the Participant for Good Reason, then (provided the Participant satisfies the Release Requirement) the Award shall vest as of the Termination Date as to any portion of the Award that would have vested hereunder if the Participantâ€™s employment with the Corporation or such Subsidiary had continued for twelve (12) months after the Termination Date (and, subject to Section 3(b), any portion of the Award that is not vested after giving effect to this acceleration provision shall terminate at such time as provided in Section 5.3(b) of the Employment Agreement).5.Â Â Â Â Timing and Manner of Payment of Stock Units. Subject to Section 6 below, on or as soon as practicable following (and in all events within thirty (30) days after, unless the Release Requirement in Section 4(b) or 4(c) applies, in which case the applicable period shall be seventy-four (74) rather than thirty (30) days after the applicable vesting date) the vesting of any Stock Units subject to the Award pursuant to Section 4, the Corporation shall deliver to the Participant a number of shares of Common Stock (either by delivering one or more certificates for such shares or by entering such shares in book entry form, as determined by the Administrator in its discretion) equal to the number of Stock Units subject to the Award (including any Stock Units issued in respect of dividend equivalent rights) that vested on that particular vesting date; provided, however, that the Corporation reserves the right to settle any Stock Units credited as dividend equivalents pursuant to Section 3(b) by a cash payment. In the event of such a cash payment, the cash payable with respect to a Stock Unit shall equal the fair market value of a share of Common Stock (such fair market value determined under the Plan) as of the vesting date of that Stock Unit. The Corporationâ€™s obligation to deliver shares of Common Stock or otherwise make payment with respect to vested Stock Units is subject to the condition precedent that the Participant or other person entitled under the Plan to receive any shares or any such payment with respect to the vested Stock Units deliver to the Corporation any representations or other documents or assurances required pursuant to SectionÂ 8.1 of the Plan. In the event that the Release Requirement in Section 4(b) or 4(c) applies and the period of time for the Participant to consider, execute and revoke the applicable release agreement spans two calendar years, payment of the Stock Units that accelerated and became vested pursuant to such provision shall be made within the applicable period of time provided 3for above but in the second of such two years. The Corporation may, in its sole discretion, either ignore fractional share interests or settle them in cash. The Participant shall have no further rights with respect to any Stock Units that are paid pursuant to this Section 5 or that terminate pursuant to Section 4(c). 6.Â Â Â Â Â Section 409A. Notwithstanding anything to the contrary herein or in the Plan, if the Participant is a â€œspecified employeeâ€ within the meaning of Section 409A of the Code, and, as a result of that status, any portion of the payments hereunder would otherwise be subject to taxation pursuant to Section 409A of the Code, the Participant shall not be entitled to any payments upon a â€œseparation from serviceâ€ (within the meaning of Section 409A of the Code) until the earlier of (i) the date which is six (6) months after his or her separation from service for any reason other than death, or (ii) the date of the Participantâ€™s death; provided that the first such payment thereafter shall include all amounts that would have been paid earlier but for such six (6) month delay. 7.Â Â Â Â Non-Transferability of Award. This Award is personal and, prior to the time they have become vested pursuant to Section 4 hereof or Section 7.2 of the Plan, neither the Stock Units nor any rights hereunder may be transferred, assigned, pledged or hypothecated by the Participant in any way (whether by operation of law or otherwise), other than by will or the laws of descent and distribution, nor shall any such rights be subject to execution, attachment or similar process; provided, however, that such restrictions shall not apply to transfers to the Corporation. Except as otherwise provided herein, any attempted alienation, assignment, pledge, hypothecation, attachment, execution or similar process, whether voluntary or involuntary, with respect to all or any part of the Participantâ€™s unvested rights under this Award, shall be null and void. 8.Â Â Â Â No Right to Continued Employment or Service. Except as provided in Sections 4(b) and 4(c), the vesting schedule requires continued employment or service through each applicable vesting date as a condition to the vesting of the applicable installment of the Award and the rights and benefits under the Award. Except as provided in Section 4(b) and 4(c), employment or service for only a portion of the vesting period, even if a substantial portion, will not entitle the Participant to any proportionate vesting or avoid or mitigate a termination of rights and benefits upon or following a termination of services as provided in Section 4(c) above. Nothing contained in the Plan or this Award Certificate constitutes a continued employment or service commitment by the Corporation or any of its Subsidiaries, confers upon the Participant any right to remain in the employ of or service to the Corporation or any of its Subsidiaries, interferes with the right of the Corporation or any of its Subsidiaries at any time to terminate such employment or services, or affects the right of the Corporation or any of its Subsidiaries to increase or decrease the Participantâ€™s other compensation. By accepting this Award, the Participant acknowledges and agrees that (a) any person who is terminated before full vesting of an award, such as the one granted to the Participant by this Award Certificate, could attempt to argue that he or she was terminated to preclude vesting; (b) the Participant promises never to make such a claim; and (c) except as otherwise expressly provided in Section 4(b) and 4(c), in any event, the Participant has no right to pro-rated vesting with respect to the Award if his or her service terminates before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was actually in the service of the Corporation and/or any of its Subsidiaries).9.Â Â Â Â Tax Consequences. (a)Â Â Â Â Tax Consultation. The Participant understands that he or she may suffer adverse tax consequences as a result of his or her acceptance of the Award. The Participant represents that he or she has consulted with any tax consultants he or she deems advisable in connection with the acceptance of the Award and that he or she is not relying on the Corporation or any of its 4Subsidiaries, officers, employees or agents for any tax advice. By accepting this Award and except as provided in Section 9(b), the Participant acknowledges that he or she shall be solely responsible for the satisfaction of any taxes that may arise (including taxes arising under SectionÂ 409A of the Code) with respect to the Award, and that the Corporation and its Subsidiaries shall not have any obligation whatsoever to pay such taxes. (b)Â Â Â Â Withholding. In connection with any vesting or payment of any Stock Units (and, notwithstanding anything else in this Award Certificate to the contrary, as a condition to any obligation of the Corporation to issue shares of Common Stock or otherwise make any payment in respect of the Award), or upon any other tax withholding event with respect to the Award, the Participant shall make arrangements satisfactory to the Corporation to provide for the satisfaction of any federal, state, local or other taxes, or other applicable withholding obligations, the Corporation or any of its Subsidiaries may be required to withhold with respect to such event or payment. In connection with any distribution of shares of Common Stock in respect of vested Stock Units, the Corporation may, in its discretion, reduce the number of shares of Common Stock to be delivered by (or otherwise reacquire) the appropriate number of whole shares, valued at their then fair market value (with the â€œfair market valueâ€ of such shares determined in accordance with the applicable provisions of the Plan), to satisfy any such withholding obligations of the Corporation or any of its Subsidiaries with respect to such distribution of shares. In connection with any cash payment in respect of the Award, the Corporation may, in its discretion, satisfy any such withholding obligations of the Corporation or any of its Subsidiaries with respect to such payment by withholding from the amount otherwise payable. The Corporation may also, in its discretion, satisfy any such withholding obligations arising in connection with the Award by deducting such withholding obligations from other compensation payable to the Participant. The Participant agrees to take any further actions and execute any additional documents as may be necessary to effectuate the provisions of this Section 9. 10.Â Â Â Â Adjustments Upon Specified Events. Upon the occurrence of certain events relating to the Corporationâ€™s stock contemplated by SectionÂ 7.1 of the Plan, the Administrator shall make adjustments in accordance with such section in the number of Stock Units then outstanding and the number and kind of securities that may be issued in respect of the Award. No such adjustment shall be made with respect to any ordinary cash dividend for which dividend equivalents are credited pursuant to Section 3(b).11.Â Â Â Â Severability. In the event that any provision or portion of this Award Certificate shall be determined to be invalid or unenforceable for any reason, in whole or in part, in any jurisdiction, the remaining provisions of this Award Certificate shall be unaffected thereby and shall remain in full force and effect to the fullest extent permitted by law in such jurisdiction, and such invalidity or unenforceability shall have no effect in any other jurisdiction. 12.Â Â Â Â Binding Effect. This Award Certificate shall extend to, be binding upon and inure to the benefit of the Participant and the Participantâ€™s legal representatives, heirs, successors and assigns (subject, however, to the limitations set forth in SectionÂ 7 with respect to the transfer of this Award Certificate or any rights hereunder or of the Stock Units), and upon the Corporation and its successors and assigns, regardless of any change in the business structure of the Corporation, be it through spin-off, merger, sale of stock, sale of assets or any other transaction. 13.Â Â Â Â Notices. Any notice to the Corporation contemplated by this Award Certificate shall be in writing and be addressed to it in care of its Corporate Secretary; and any notice to the Participant shall 5be addressed to him or her at the address on file with the Corporation on the date hereof or at such other address as he or she may hereafter designate in writing.14.Â Â Â Â Plan. The Award and all rights of the Participant under this Award Certificate are subject to the terms and conditions of the provisions of the Plan, incorporated herein by reference. The Participant agrees to be bound by the terms of the Plan and this Award Certificate. The Participant acknowledges having read and understanding the Plan, the Prospectus for the Plan, and this Award Certificate. Unless otherwise expressly provided in other sections of this Award Certificate, provisions of the Plan that confer discretionary authority on the Board or the Administrator do not (and shall not be deemed to) create any rights in the Participant unless such rights are expressly set forth herein or are otherwise in the sole discretion of the Board or the Administrator so conferred by appropriate action of the Board or the Administrator under the Plan after the date hereof.15.Â Â Â Â Entire Agreement. This Award Certificate, together with the Plan (and the provisions of the Employment Agreement referred to herein), constitutes the entire understanding between the Corporation and the Participant with regard to the subject matter of this Award Certificate. They supersede any other agreements, representations or understandings (whether oral or written and whether express or implied) which relate to the subject matter of this Award Certificate.16.Â Â Â Â Waiver. The waiver of any breach of any duty, term or condition of this Award Certificate shall not be deemed to constitute a waiver of any preceding or succeeding breach of the same or of any other duty, term or condition of this Award Certificate. 17.Â Â Â Â Interpretation. The interpretation, construction, performance and enforcement of the terms and conditions of this Award Certificate and the Plan shall lie within the sole discretion of the Administrator, and the Administratorâ€™s determinations shall be conclusive and binding on all interested persons. 18.Â Â Â Â Choice of Law; Arbitration. This Award Certificate shall be governed by, and construed in accordance with, the laws of the State of California (disregarding any choice-of-law provisions). The arbitration provisions set forth in Section 16 of the Employment Agreement shall apply as to any dispute or disagreement regarding the Participantâ€™s rights under this Award Certificate. 19.Â Â Â Â Construction. It is intended that the terms of the Award will not result in the imposition of any tax liability pursuant to SectionÂ 409A of the Code. This Award Certificate shall be construed and interpreted consistent with that intent.20.Â Â Â Â Clawback Policy. The Award is subject to the terms of the Corporationâ€™s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of the Award or any shares of Common Stock or other cash or property received with respect to the Award (including any value received from a disposition of the shares acquired upon payment of the Award). The Participant hereby agrees to promptly repay to the Corporation any amounts that are required to be repaid pursuant to such policy.21.Â Â Â Â Section Headings. The section headings of this Award Certificate are for convenience of reference only and shall not be deemed to alter or affect any provision hereof.22.Â Â Â Â No Advice Regarding Grant. The Participant is hereby advised to consult with his or her own tax, legal and/or investment advisors with respect to any advice the Participant may determine is needed or appropriate with respect to the Stock Units (including, without limitation, to determine the foreign, 6state, local, estate and/or gift tax consequences with respect to the Award). Neither the Corporation nor any of its officers, directors, affiliates or advisors makes any representation (except for the terms and conditions expressly set forth in this Award Certificate) or recommendation with respect to the Award.The Participant, in accepting the Award, agrees to the terms and conditions of this Award Certificate. SEMTECH CORPORATION,a Delaware corporationBy: _____Mark LinExecutive Vice President and Chief Financial Officer7 EX-10.6 4 smtc-07282024xex106.htm EX-10.6 DocumentSEMTECH CORPORATION2017 LONG-TERM EQUITY INCENTIVE PLANPERFORMANCE STOCK UNIT AWARD CERTIFICATE THIS AWARD is made this [Grant Date] (the â€œAward Dateâ€) by Semtech Corporation, a Delaware corporation (the â€œCorporationâ€), to [Legal Name] (the â€œParticipantâ€). R E C I T A L SA. The Corporation has established the Corporationâ€™s 2017 Long-Term Equity Incentive Plan, as amended and restated (the â€œPlanâ€), in order to provide eligible persons of the Corporation with an opportunity to acquire shares of the Corporationâ€™s common stock (the â€œCommon Stockâ€).B. The Administrator has determined that it would be in the best interests of the Corporation and its stockholders to grant the performance stock unit award (the â€œAwardâ€) described in this Award Certificate to the Participant. NOW, THEREFORE, this Award is made on the following terms and conditions: 1.Â Â Â Â Definitions. Capitalized terms used in this Award Certificate (including Exhibit A hereto) and not otherwise defined herein (including Exhibit A hereto) shall have the meanings given to such terms in the Plan.2.Â Â Â Â Award of Performance Units. Pursuant to the Plan, the Corporation hereby awards to the Participant as of the date hereof an Award (at â€œtargetâ€) of [Amount] performance stock units (subject to adjustment in accordance with SectionÂ 7.1 of the Plan) (such number of units, the â€œTotal Target Number of Performance Unitsâ€ and all performance stock units that are subject to the Award, the â€œPerformance Unitsâ€), which Performance Units are restricted and subject to forfeiture on the terms and conditions hereinafter set forth. As used herein, the term â€œstock unitâ€ shall mean a non-voting unit of measurement which is deemed solely for purposes of calculating the amount of payment under the Plan and this Award Certificate to be equivalent to one outstanding share of the Common Stock (subject to adjustment in accordance with SectionÂ 7.1 of the Plan). The Performance Units shall be used solely as a device for the determination of the payment to eventually be paid to the Participant if such Performance Units vest pursuant to Section 4. The Performance Units shall not be treated as property or as a trust fund of any kind. The Participant acknowledges that the Administrator may use a broker or other third party to facilitate its recordkeeping for awards granted under the Plan and agrees to comply with any administrative rules and procedures regarding such awards as may be in place from time to time. The Participant acknowledges and agrees that the Corporation may require that any Common Stock received under the Award be deposited in a brokerage account (in the name of the Participant) with a broker designated by the Corporation, and the Participant agrees to take such reasonable steps as the Corporation may require to open and maintain such an account. The Award, together with any time/service-based vesting restricted stock units previously granted by the Company to the Participant in fiscal year 2025 (the terms and conditions of which are governed by a written Restricted Stock Unit 1Award Certificate from the Company), are in full satisfaction of any and all rights that the Participant may have to receive equity awards from the Company in fiscal year 2025. Any Company obligation to grant equity awards to the Participant with respect to any fiscal year prior to 2025 has also been fully satisfied.3.Â Â Â Â Rights as a Stockholder; Dividends and Voting. (a)Â Â Â Â Limitations on Rights Associated with Units. The Participant shall have no rights as a stockholder of the Corporation, no dividend rights (except as expressly provided in Section 3(b) below with respect to dividend equivalent rights) and no voting rights, with respect to the Performance Units and any shares of Common Stock underlying such Performance Units.(b)Â Â Â Â Dividend Equivalent Rights Distributions. In the event that the Corporation pays an ordinary cash dividend on its Common Stock and the related dividend payment record date occurs at any time after the Award Date and before all of the Performance Units subject to the Award have either been paid pursuant to Section 5 or terminated pursuant to Section 4 or Exhibit A, the Corporation shall credit the Participant as of the payment date of such dividend with an additional number of Performance Units equal to (i) the per-share cash dividend paid by the Corporation on its Common Stock with respect to such record date, multiplied by (ii) the total number of outstanding and unpaid Performance Units (including any dividend equivalents previously credited hereunder) (with such total number based on the Total Target Number of Performance Units allocated to the Performance Period as to any Performance Period that has not been completed; and subject to adjustment pursuant to Section 7.1 of the Plan and/or Section 10 hereof) subject to the Award as of such record date, divided by (iii) the fair market value of a share of Common Stock (as determined under the Plan) on the payment date of such dividend. Any Performance Units credited pursuant to the foregoing provisions of this Section 3(b) shall be subject to the same vesting, payment and other terms, conditions and restrictions as the original Performance Units to which they relate. No crediting of Performance Units shall be made pursuant to this Section 3(b) with respect to any Performance Units which, as of such record date, have either been paid pursuant to Section 5 or terminated pursuant to Section 4 or Exhibit A.4.Â Â Â Â Vesting; Termination of Employment. (a)Â Â Â Â Vesting in General. The Award is subject to the vesting terms and

conditions set forth in Exhibit A hereto, incorporated herein by this reference. References herein to this Section 4 include Exhibit A. Except as expressly provided herein, the vesting date for any Performance Units allocated to a particular Performance Period (as defined in Exhibit A) that are determined pursuant to Exhibit A to be eligible to vest with respect to that Performance Period shall be the date on which the Administrator determines the vesting of such Performance Units for that Performance Period in accordance with Exhibit A (the â€œDetermination Dateâ€); provided, however, that the Determination Date shall be not later than two and one-half months after the last day of the Performance Period; and provided, further, that the vesting date of the Performance Units allocated to the first Performance Period hereunder shall be the later of (i) the Determination Date for that Performance Period and (ii) the first anniversary of the Award Date. The Participant has no right to pro-rated vesting with respect to the Award if his or her services to the Corporation or one of its Subsidiaries terminate before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was in service to the Corporation and/or any of its Subsidiaries).2(b)Â Â Â Â Termination In Connection With a Change in Control. Notwithstanding any other provision to the contrary contained herein but subject to the release condition below, in the event the Participant is a participant in the Corporationâ€™s Executive Change in Control Retention Plan (the â€œChange in Control Planâ€) immediately prior to his or her Termination Date (as defined in SectionÂ 4(c) below) and the Participantâ€™s employment is terminated in a Qualifying Termination during a Change in Control Window (as such terms are defined in the Change in Control Plan), the Award (to the extent outstanding immediately prior to such termination of employment) shall vest on the Termination Date (or, if such Termination Date occurs in the Change in Control Window but prior to the consummation of the Change in Control (as defined in the Change in Control Plan) to which the Change in Control Window relates, on the date of such Change in Control) as to the total number of Performance Units subject to the Award determined to be eligible to vest pursuant to Section A.5 of Exhibit A hereto in connection with such Change in Control less the number of Performance Units subject to the Award that otherwise vested on or before such Termination Date (or on or before the date of the Change in Control, as the case may be), provided that the Participant executes and delivers to the Corporation the release contemplated by the Change in Control Plan not later than twenty-one (21) days (forty-five (45) days, if such longer period is required by applicable law) following such vesting date and does not revoke such release. (c)Â Â Â Â Effect of Termination of Employment. Notwithstanding anything to the contrary contained in any employment or similar agreement entered into by and between the Participant and the Corporation, subject to Section 4(b), if the Participant ceases to be employed by the Corporation or one of its Subsidiaries (regardless of the reason for such termination of employment, whether with or without cause, voluntarily or involuntarily, by the Participant or by the Corporation, or due to the Participantâ€™s death or disability), then the Performance Units (including, for clarity, any units credited as dividend equivalents pursuant to Section 3(b)) which have not vested pursuant to the terms of this Award Certificate as of the date that the Participant ceases to be employed by the Corporation or one of its Subsidiaries (the â€œTermination Dateâ€) shall automatically terminate and be cancelled as of the Termination Date without payment of any consideration by the Corporation and without any other action by the Participant, or the Participantâ€™s beneficiary or personal representative, as the case may be.5.Â Â Â Â Timing and Manner of Payment of Performance Units. Subject to Section 6 below, on or as soon as practicable following (and in all events within thirty (30) days after, unless Section 4(b) applies, in which case the applicable period shall be seventy-four (74) rather than thirty (30) days after the applicable vesting date) the vesting of any Performance Units subject to the Award pursuant to Section 4 or Section A.5 of Exhibit A hereto (and in all events, other than as to any Performance Units vesting on the first anniversary of the Award Date, not later than seventy-four (74) days following the end of the Performance Period as to which such Performance Units vested), the Corporation shall deliver to the Participant a number of shares of Common Stock (either by delivering one or more certificates for such shares or by entering such shares in book entry form, as determined by the Administrator in its discretion) equal to the number of Performance Units subject to the Award (including any Performance Units issued in respect of dividend equivalent rights) that vested on that particular vesting date; provided, however, that the Corporation reserves the right to settle any Performance Units credited as dividend equivalents pursuant to Section 3(b) by a cash payment. In the event of such a cash payment, the cash payable with respect to a Performance Unit shall equal the fair market value of a share of Common Stock (such fair market value determined under the Plan) as of the vesting date of that Performance Unit. The Corporationâ€™s obligation to deliver shares of Common Stock or otherwise make 3payment with respect to vested Performance Units is subject to the condition precedent that the Participant or other person entitled under the Plan to receive any shares or any such payment with respect to the vested Performance Units deliver to the Corporation any representations or other documents or assurances required pursuant to SectionÂ 8.1 of the Plan. In the event that Section 4(b) applies and the period of time for the Participant to consider, execute and revoke the applicable release agreement spans two calendar years, payment of the Performance Units that accelerated and became vested pursuant to such provision shall be made within the applicable period of time provided for above but in the second of such two years. The Corporation may, in its sole discretion, either ignore fractional share interests or settle them in cash. The Participant shall have no further rights with respect to any Performance Units that are paid pursuant to this Section 5, that terminate pursuant to Section 4(c), or that terminate pursuant to Section A.2 of Exhibit A. 6.Â Â Â Â Section 409A. Notwithstanding anything to the contrary herein or in the Plan, if the Participant is a â€œspecified employeeâ€ within the meaning of Section 409A of the Code, and, as a result of that status, any portion of the payments hereunder would otherwise be subject to taxation pursuant to Section 409A of the Code, the Participant shall not be entitled to any payments upon a â€œseparation from serviceâ€ (within the meaning of Section 409A of the Code) until the earlier of (i) the date which is six (6) months after his or her separation from service for any reason other than death, or (ii) the date of the Participantâ€™s death; provided that the first such payment thereafter shall include all amounts that would have been paid earlier but for such six (6) month delay. 7.Â Â Â Â Non-Transferability of Award. This Award is personal and neither the Performance Units nor any rights hereunder may be transferred, assigned, pledged or hypothecated by the Participant in any way (whether by operation of law or otherwise), other than by will or the laws of descent and distribution, nor shall any such rights be subject to execution, attachment or similar process; provided, however, that such restrictions shall not apply to transfers to the Corporation. Except as otherwise provided herein, any attempted alienation, assignment, pledge, hypothecation, attachment, execution or similar process, whether voluntary or involuntary, with respect to all or any part of the Participantâ€™s rights under this Award, shall be null and void. The provisions of this Section 7 shall not apply as to any shares of Common Stock delivered in payment of the Award once such shares have been delivered by the Corporation pursuant to Section 5. 8.Â Â Â Â No Right to Continued Employment or Service. Except as provided in Section 4(b), the vesting schedule requires continued employment or service through each applicable vesting date as a condition to the vesting of the applicable installment of the Award and the rights and benefits under the Award. Except as provided in Section 4(b), employment or service for only a portion of the vesting period, even if a substantial portion, will not entitle the Participant to any proportionate vesting or avoid or mitigate a termination of rights and benefits upon or following a termination of services as provided in Section 4(c) above. Nothing contained in the Plan or this Award Certificate constitutes a continued employment or service commitment by the Corporation or any of its Subsidiaries, confers upon the Participant any right to remain in the employ of or service to the Corporation or any of its Subsidiaries, interferes with the right of the Corporation or any of its Subsidiaries at any time to terminate such employment or services, or affects the right of the Corporation or any of its Subsidiaries to increase or decrease the Participantâ€™s other compensation. By accepting this Award, the Participant acknowledges and agrees that (a) any person who is terminated before full vesting of an award, such as the one granted to the Participant by this Award Certificate, could attempt to argue that he or she was terminated to preclude vesting; (b) the Participant promises never to make such a claim; and (c) except as otherwise expressly provided in Section 4(b), in any event, the Participant has no right to pro-rated vesting with respect to the Award if his or her service terminates before any applicable vesting date with respect to the Award (regardless of 4the portion of the vesting period the Participant was actually in the service of the Corporation and/or any of its Subsidiaries).9.Â Â Â Â Tax Consequences. (a)Â Â Â Â Tax Consultation. The Participant understands that he or she may suffer adverse tax consequences as a result of his or her acceptance of the Award. The Participant represents that he or she has consulted with any tax consultants he or she deems advisable in connection with the acceptance of the Award and that he or she is not relying on the Corporation or any of its Subsidiaries, officers, employees or agents for any tax advice. By accepting this Award and except as provided in Section 9(b), the Participant acknowledges that he or she shall be solely responsible for the satisfaction of any taxes that may arise (including taxes arising under SectionÂ 409A of the Code) with respect to the Award, and that the Corporation and its Subsidiaries shall not have any obligation whatsoever to pay such taxes. (b)Â Â Â Â Withholding. Upon any distribution of shares of Common Stock in respect of the Performance Units, the Corporation shall automatically reduce the number of shares of Common Stock to be delivered by (or otherwise reacquire) the appropriate number of whole shares, valued at their then fair market value (with the â€œfair market valueâ€ of such shares determined in accordance with the applicable provisions of the Plan), to satisfy any withholding obligations of the Corporation or any of its Subsidiaries with respect to such distribution of shares at the applicable withholding rates. In the event that the Corporation cannot legally satisfy such withholding obligations by such reduction of shares, or in the event of a cash payment or any other withholding event in respect of the Performance Units, the Corporation (or a Subsidiary) shall be entitled to require a cash payment by or on behalf of the Participant and/or to deduct from other compensation payable to the Participant any sums required by federal, state or local tax law to be withheld with respect to such distribution or payment. The Participant agrees to take any further actions and execute any additional documents as may be necessary to effectuate the provisions of this Section 9. 10.Â Â Â Â Adjustments; Change in Control.(a)Â Â Â Â Adjustments Upon Specified Events. Upon the occurrence of certain events relating to the Corporationâ€™s stock contemplated by SectionÂ 7.1 of the Plan, the Administrator shall make adjustments in accordance with such section in the number of Performance Units then outstanding and the number and kind of securities that may be issued in respect of the Award. No such adjustment shall be made with respect to any ordinary cash dividend for which dividend equivalents are credited pursuant to Section 3(b). For purposes of clarity, Exhibit A controls as to any adjustment of the performance goals, criteria or metrics, and references herein to Section 7.1 of the Plan or this Section 10 shall include Exhibit A as to such goals, criteria or metrics.(b)Â Â Â Â Change in Control. If, at any time after the Award Date and before the last day of the last scheduled Performance Period pursuant to Exhibit A hereto, a Change in Control occurs, the provisions of Section A.5 of Exhibit A hereto shall apply.11.Â Â Â Â Severability. In the event that any provision or portion of this Award Certificate shall be determined to be invalid or unenforceable for any reason, in whole or in part, in any jurisdiction, the remaining provisions of this Award Certificate shall be unaffected thereby and shall remain in full force 5and effect to the fullest extent permitted by law in such jurisdiction, and such invalidity or unenforceability shall have no effect in any other jurisdiction. 12.Â Â Â Â Binding Effect. This Award Certificate shall extend to, be binding upon and inure to the benefit of the Participant and the Participantâ€™s legal representatives, heirs, successors and assigns (subject, however, to the limitations set forth in SectionÂ 7 with respect to the transfer of this Award Certificate or any rights hereunder or of the Performance Units), and upon the Corporation and its successors and assigns, regardless of any change in the business structure of the Corporation, be it through spin-off, merger, sale of stock, sale of assets or any other transaction. 13.Â Â Â Â Notices. Any notice to the Corporation contemplated by this Award Certificate shall be in writing and be addressed to it in care of its Corporate Secretary; and any notice to the Participant shall be addressed to him or her at the address on file with the Corporation on the date hereof or at such other address as he or she may hereafter designate in writing.14.Â Â Â Â Plan. The Award and all rights of the Participant under this Award Certificate are subject to the terms and conditions of the provisions of the Plan, incorporated herein by reference. The Participant agrees to be bound by the terms of the Plan and this Award Certificate. The Participant acknowledges having read and understanding the Plan, the Prospectus for the Plan, and this Award Certificate. Unless otherwise expressly provided in other sections of this Award Certificate, provisions of the Plan that confer discretionary authority on the Board or the Administrator do not (and shall not be deemed to) create any rights in the Participant unless such rights are expressly set forth herein or are otherwise in the sole discretion of the Board or the Administrator so conferred by appropriate action of the Board or the Administrator under the Plan after the date hereof.15.Â Â Â Â Entire Agreement. This Award Certificate, together with the Plan, constitutes the entire understanding between the Corporation and the Participant with regard to the subject matter of this Award Certificate. They supersede any other agreements, representations or understandings (whether oral or written and whether express or implied) which relate to the subject matter of this Award Certificate.16.Â Â Â Â Waiver. The waiver of any breach of any duty, term or condition of this Award Certificate shall not be deemed to constitute a waiver of any preceding or succeeding breach of the same or of any other duty, term or condition of this Award Certificate. 17.Â Â Â Â Interpretation. The interpretation, construction, performance and enforcement of the terms and conditions of this Award Certificate and the Plan shall lie within the sole discretion of the Administrator, and the Administratorâ€™s determinations shall be conclusive and binding on all interested persons. 18.Â Â Â Â Choice of Law; Arbitration. This Award Certificate shall be governed by, and construed in accordance with, the laws of the State of California (disregarding any choice-of-law provisions). If the Participant is a party to an agreement with the Corporation to arbitrate claims, such agreement to arbitrate claims shall apply as to any dispute or disagreement regarding the Participantâ€™s rights under this Award Certificate. 19.Â Â Â Â Construction. It is intended that the terms of the Award will not result in the imposition of any tax liability pursuant to SectionÂ 409A of the Code. This Award Certificate shall be construed and interpreted consistent with that intent.620.Â Â Â Â Clawback Policy. The Award is subject to the terms of the Corporationâ€™s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of the Award or any shares of Common Stock or other cash or property received with respect to the Award (including any value received from a disposition of the shares acquired upon payment of the Award). The Participant hereby agrees to promptly repay to the Corporation any amounts that are required to be repaid pursuant to such policy. 21.Â Â Â Â Section Headings. The section headings of this Award Certificate are for convenience of reference only and shall not be deemed to alter or affect any provision hereof.22.Â Â Â Â No Advice Regarding Grant. The Participant is hereby advised to consult with his or her own tax, legal and/or investment advisors with respect to any advice the Participant may determine is needed or appropriate with respect to the Performance Units (including, without limitation, to determine the foreign, state, local, estate and/or gift tax consequences with respect to the Award). Neither the Corporation nor any of its officers, directors, affiliates or advisors makes any representation (except for the terms and conditions expressly set forth in this Award Certificate) or recommendation with respect to the Award.The Participant, in accepting the Award, agrees to the terms and conditions of this Award Certificate. SEMTECH CORPORATION,a Delaware corporationBy: _____Mark LinExecutive Vice President and Chief Financial Officer7EXHIBIT AVESTING TERMS AND CONDITIONSThe percentage of the Total Target Number of Performance Units (as set forth in Section 2 of this Award Certificate) subject to the Award that vest will range from zero percent (0%) to two hundred percent (200%) and, subject to Section 4 of this Award Certificate and Section A.5 below, will be determined based on the Corporationâ€™s Net Revenue and Non-GAAP Operating Income (as such terms are defined below) for the Corporationâ€™s 2025, 2026 and 2027 fiscal years, and a Relative TSR Ranking adjustment measured with respect to such fiscal years, as set forth below in this Exhibit A. One-half (1/2) of the Total Target Number of Performance Units are allocated to the Net Revenue metric and referred to as the â€œTarget Number of Net Revenue Performance Unitsâ€; and one-half (1/2) of the Total Target Number of Performance Units are allocated to the Non-GAAP Operating Income metric and referred to as the â€œTarget Number of Non-GAAP Operating Income Performance Unitsâ€. In addition, one-third (1/3) of the Total Target Number of Performance Units (as well as one-third (1/3) of the Target Number of Net Revenue Performance Units and one-third (1/3) of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY25 Performance Period; two-thirds (2/3) of the Total Target Number of Performance Units (as well as two-thirds of the Target Number of Net Revenue Performance Units and two-thirds of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY26 Performance Period; and 100% of the Total Target Number of Performance Units (as well as 100% of the Target Number of Net Revenue Performance Units and 100% of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY27 Performance Period. Subject to Section 4 of this Award Certificate and Section A.5 below, the percentage of the Target Number of Net Revenue Performance Units subject to the Award that vest will be determined based on the Corporationâ€™s Net Revenue for each Performance Period, and the percentage of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award that vest will be determined based on the Corporationâ€™s Non-GAAP Operating Income for each Performance Period (and, with respect to the Performance Units allocated to the FY27 Performance Period, subject to the effect of a Relative TSR Ranking adjustment for the TSR Measurement Period as set forth below). A.1Â Â Â Â Performance-Based Vesting. FY25 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY25 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY25 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%8If the Corporationâ€™s Non-GAAP Operating Income for the FY25 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or

more160%Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY25 Performance Period will equal:(a)Â Â Â Â One-third (1/3) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY25 Performance Period determined using the table above, plus(b)Â Â Â Â One-third (1/3) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period determined using the table above;provided, however, that the maximum number of Performance Units that may vest with respect to the FY25 Performance Period is one-third (1/3) of the Total Target Number of Performance Units subject to the Award.FY26 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY26 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY26 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%If the Corporationâ€™s Non-GAAP Operating Income for the FY26 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%9Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY26 Performance Period will equal the number of Performance Units determined as follows (but not less than zero):(a)Â Â Â Â the sum of: (i) two-thirds (2/3) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY26 Performance Period determined using the table above; plus (ii) two-thirds (2/3) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period determined using the table above; provided, however, that the maximum number of Performance Units determined pursuant to this clause (a) is two-thirds (2/3) of the Total Target Number of Performance Units subject to the Award; minus (b)Â Â Â Â the total number of Performance Units subject to the Award that vested with respect to the FY25 Performance Period.FY27 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY27 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY27 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY27 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%If the Corporationâ€™s Non-GAAP Operating Income for the FY27 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY27 Performance Period will equal the number of Performance Units determined as follows (but not less than zero):(a)Â Â Â Â The sum of: (i) one hundred percent (100%) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY27 Performance Period determined using the table above, multiplied by the TSR Multiplier; plus (ii) one hundred percent (100%) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement 10Percentage for the FY27 Performance Period determined using the table above, multiplied by the TSR Multiplier; provided, however, that the maximum number of Performance Units determined pursuant to this clause (a) is two hundred percent (200%) of the Total Target Number of Performance Units subject to the Award; minus (b)Â Â Â Â the total number of Performance Units subject to the Award that vested with respect to the FY25 Performance Period and the FY26 Performance Period.A.2Â Â Â Â Termination of Unvested Performance Units. Subject to Section A.5 below, any Performance Units allocated to a Performance Period that are not eligible to vest based on the performance requirements set forth in the preceding provisions of this Exhibit A as to that Performance Period (and which have not previously vested or terminated pursuant to the terms of this Award Certificate) will automatically terminate as of the last day of the applicable Performance Period. In the event of a Change in Control which results in one or more shortened Performance Periods pursuant to Section A.5 below, any Performance Units allocated to such a shortened Performance Period that are not eligible to vest based on the performance requirements set forth in this Exhibit A (as modified by Section A.5 below) as to that shortened Performance Period (and which have not previously vested or terminated pursuant to the terms of this Award Certificate) will automatically terminate as of the last day of that shortened Performance Period. The number of Performance Units that are eligible to vest based on performance for the applicable Performance Period (including any Performance Period shortened in accordance with Section A.5 below) will be determined by the Administrator following the end of the applicable Performance Period (or shortened Performance Period, as the case may be), and payment of vested Performance Units will be made as provided in Section 5 of this Award Certificate. Any such determination by the Administrator shall be final and binding.Â Â Â Â A.3Â Â Â Â Defined Terms. For purposes of the Award, the following definitions will apply: â€œBeginning Priceâ€ means, with respect to the Corporation and each other Index Company, the average of the closing market prices of such companyâ€™s common stock on the principal exchange on which such stock is traded for the thirty (30) consecutive trading days beginning with the first trading day of the TSR Measurement Period. For the purpose of determining Beginning Price, the value of dividends and other distributions as to which the ex-dividend date occurs during such thirty (30) day period shall be treated as reinvested in additional shares of stock at the closing market price on the corresponding ex-dividend date.â€œCIC TSR Multiplierâ€ means the TSR Multiplier determined as though the TSR Measurement Period commenced at the start of the Corporationâ€™s 2025 fiscal year and ended on the last trading day prior to the date on which the Change in Control occurs.â€œEnding Priceâ€ means, with respect to the Corporation and each other Index Company, the average of the closing market prices of such companyâ€™s common stock on the principal exchange on which such stock is traded for the thirty (30) consecutive trading days ending on the last trading day of the TSR Measurement Period. For the purpose of determining Ending Price, the value of dividends and other distributions as to which the ex-dividend date occurs during such thirty (30) day period shall be treating as reinvested in additional shares of stock at the closing market price on the corresponding ex-dividend date. In the event a Change in Control occurs after the Award Date and before the last day of the FY27 Performance Period and the Change in Control is triggered by a merger of the Corporation or a sale of the Corporationâ€™s common stock, the â€œEnding Priceâ€ of the Corporationâ€™s common stock for purposes of determining the CIC TSR Multiplier in connection with that Change in Control means the per-share value of the Corporationâ€™s common stock in the Change in Control transaction.â€œFY25 Performance Periodâ€ means the Corporationâ€™s 2025 fiscal year.11â€œFY26 Performance Periodâ€ means the Corporationâ€™s 2026 fiscal year.â€œFY27 Performance Periodâ€ means the Corporationâ€™s 2027 fiscal year.â€œGAAPâ€ means U.S. generally accepted accounting principles.â€œIndex Companiesâ€ means each company that is (a) included in the Russell 3000 Index on the first day of the TSR Measurement Period and continues to be listed or traded on a national securities exchange throughout the TSR Measurement Period or (b) in the Russell 3000 Index on the first day of the TSR Measurement Period and ceases to be listed or traded on a national securities exchange during the TSR Measurement Period due to its bankruptcy or insolvency, provided that the TSR for any company described in this clause (b) shall be deemed for purposes of determining the Corporationâ€™s Relative TSR Ranking to be equal to the lowest TSR for any company that is described in clause (a). In the event an Index Company engages in a spinoff during the TSR Measurement Period, the Ending Price (and, if such spinoff occurs during the period of time used to determine the Beginning Price, for any remaining relevant trading days in determining the Beginning Price) for such Index Company shall be determined based on the Index Companyâ€™s common stock value and the spun off entityâ€™s common stock value.â€œNet Revenueâ€ means, for a particular Performance Period, the net revenue of the Corporation for that particular Performance Period, as determined in accordance with GAAP.â€œNet Revenue Achievement Percentageâ€ means, as to a particular Performance Period, a percentage determined based on the Corporationâ€™s Net Revenue for that Performance Period as determined under Section A.1.â€œNon-GAAP Operating Incomeâ€ means, for a particular Performance Period, the operating income of the Corporation for that particular Performance Period, as determined in accordance with GAAP and adjusted in accordance with the same methodology used by the Corporation as of the Award Date to publicly report its quarterly non-GAAP operating income results.â€œNon-GAAP Operating Income Achievement Percentageâ€ means, as to a particular Performance Period, a percentage determined based on the Corporationâ€™s Non-GAAP Operating Income for that Performance Period as determined under Section A.2.â€œPerformance Periodâ€ means either the FY25 Performance Period, the FY26 Performance Period, or the FY27 Performance Period, as applicable.â€œRelative TSR Rankingâ€ means the percentile ranking of the Corporationâ€™s TSR among the TSRs for the Index Companies for the TSR Measurement Period. In determining the Corporationâ€™s Relative TSR Ranking, in the event that the Corporationâ€™s TSR for the TSR Measurement Period is equal to the TSR(s) of one or more other Index Companies for the TSR Measurement Period, the Corporationâ€™s TSR will be deemed to be greater than the TSR of such other Index Company (or Index Companies) for the TSR Measurement Period. â€œTSRâ€ means total shareholder return (expressed as a percentage) and shall be determined with respect to the Corporation and each other Index Company by dividing (a) the sum of (i) the difference obtained by subtracting the Beginning Price from the Ending Price for the TSR Measurement Period plus (ii) all dividends and other distributions as to which the ex-dividend date occurs during the TSR Measurement Period (for purposes of clarity, without duplicating any dividends and other distributions as to which the ex-dividend date occurs during the period of thirty (30) consecutive trading days ending on the last trading day of the TSR Measurement Period that are taken into account in the determination of Ending Price for the TSR Measurement 12Period) by (b) the Beginning Price. For the purpose of determining TSR, the value of dividends and other distributions as to which the ex-dividend date occurs the TSR Measurement Period shall be treated as reinvested in additional shares of stock at the closing market price on the corresponding ex-dividend date. â€œTSR Measurement Periodâ€ means the three-year period consisting of the Corporationâ€™s 2025, 2026 and 2027 fiscal years for purposes of determining the Relative TSR Ranking.â€œTSR Multiplierâ€ means:â€¢if the Relative TSR Ranking is at or below the 25th percentile, a factor of three-fourths (3/4),â€¢if the Relative TSR Ranking is at or above the 75th percentile, a factor of five-fourths (5/4), andâ€¢if the Relative TSR Ranking is between the 25th percentile and the 75th percentile, a factor between three-fourths (3/4) and five-fourths (5/4) determined by linear interpolation between such two levels.A.4Â Â Â Â Adjustments. For purposes of the Award, the Administrator shall adjust Net Revenue and Non-GAAP Operating Income (or the applicable targets set forth above, as the case may be, and in the case of Non-GAAP Operating Income to the extent not otherwise taken into account in determining Non-GAAP Operating Income) to the extent (if any) necessary to exclude the impact of (a) any change in accounting policies, (b) any material corporate transaction (such as a reorganization, combination, separation, merger, acquisition, disposition, or any combination of the foregoing), or any complete or partial liquidation of the Corporation, (c) the costs associated with any such transaction, and (d) other extraordinary events not foreseen at the time the Administrator established the applicable target levels set forth above and recorded as a non-GAAP adjustment applicable to the Performance Period. In addition, the Administrator shall make adjustments to the TSR, and the determination of Beginning Price and Ending Price of the Corporation and each other Index Company, to eliminate (to the extent necessary and without duplication) the impact of any stock splits, reverse stock splits, and stock dividends. The Administratorâ€™s determination of Net Revenue and Non-GAAP Operating Income for each Performance Period (including any Performance Period shortened pursuant to Section A.5 below), as well as the Relative TSR Ranking for the TSR Measurement Period (including any shortened TSR Measurement Period pursuant to Section A.5 below), and whether, and the extent to which, any such adjustment is necessary shall be final and binding. A.5Â Â Â Â Change in Control. If, at any time after the Award Date and before the last day of the FY27 Performance Period, a Change in Control occurs, the following rules shall apply:(a)Â Â Â Â Change in Control During the FY25 Performance Period. This Section A.5(a) applies if the Change in Control occurs during the FY25 Performance Period. â€¢If the Change in Control occurs during the first fiscal quarter of the FY25 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(a) will equal 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier. â€¢If the Change in Control occurs during the FY25 Performance Period but after the first fiscal quarter of the FY25 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(a) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY25 Performance Period 13multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY25 Performance Period ended as of the last day of the fiscal quarter of the Corporation coinciding with or last preceding the date on which the Change in Control occurs (the â€œShort Period End Dateâ€) and with the FY25 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control occurred during the second fiscal quarter during the FY25 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY25 Performance Period coinciding with the first quarter of the FY25 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The performance goals and measurements with respect to the FY26 and FY27 Performance Periods no longer apply. â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(a)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the lesser of one-third (1/3) of such Performance Units eligible to vest or one-third (1/3) of the Total Target Number of Performance Units will be scheduled to vest on the later of the last day of the FY25 Performance Period or the first anniversary of the Award Date; (ii) the lesser of one-third (1/3) of such Performance Units eligible to vest or one-third (1/3) of the Total Target Number of Performance Units will be scheduled to vest on the last day of the FY26 Performance Period; and (iii) the remaining such Performance Units eligible to vest (the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(a) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence) will be scheduled to vest on the last day of the FY27 Performance Period.(b)Â Â Â Â Change in Control During the FY26 Performance Period. This Section A.5(b) applies if the Change in Control occurs during the FY26 Performance Period.â€¢If the Change in Control occurs during the first fiscal quarter of the FY26 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(b) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A. â€¢If the Change in Control occurs during the FY26 Performance Period but after the first fiscal quarter of the FY26 Performance Period, the number of Performance Units subject to the 14Award that will be eligible to vest as provided below in this Section A.5(b) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY26 Performance Period ended as of the Short Period End Date and with the FY26 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control occurred during the second fiscal quarter during the FY26 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY26 Performance Period coinciding with the first quarter of the FY26 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The performance goals and measurements with respect to the FY27 Performance Period will no longer apply. â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(b)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY25 Performance

Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the later of the Determination Date for the FY25 Performance Period or the first anniversary of the Award Date; (ii) the lesser of two-thirds (2/3) of such Performance Units eligible to vest or two-thirds (2/3) of the Total Target Number of Performance Units, less the number of Performance Units vested or scheduled to vest pursuant to clause (i), will be scheduled to vest on the last day of the FY26 Performance Period (provided that such number of Performance Units determined pursuant to this clause (ii) will not be less than zero); and (iii) the remaining such Performance Units eligible to vest (if any; that is, the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(b) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence, but not less than zero) will be scheduled to vest on the last day of the FY27 Performance Period.(c)Â Â Â Â Change in Control During the FY27 Performance Period. This Section A.5(c) applies if the Change in Control occurs during the FY27 Performance Period. â€¢If the Change in Control occurs during the first fiscal quarter of the FY27 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5I will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the 15Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A. â€¢If the Change in Control occurs during the FY27 Performance Period but after the first fiscal quarter of the FY27 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(c) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY27 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY27 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY27 Performance Period ended as of the Short Period End Date and with the FY27 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control occurred during the second fiscal quarter during the FY27 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY27 Performance Period coinciding with the first quarter of the FY27 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(c)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY25 Performance Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the later of the Determination Date for the FY25 Performance Period or the first anniversary of the Award Date; (ii) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY26 Performance Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the Determination Date for the FY26 Performance Period; and (iii) the remaining such Performance Units eligible to vest (if any; that is, the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(c) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence, but not less than zero) will be scheduled to vest on the last day of the FY27 Performance Period. (d)Â Â Â Â Change in Control and Award Termination. In the event that Section 7.2(a) of the Plan applies and the Administrator has not made a provision for the substitution, assumption, exchange or other continuation or settlement of the Award, the Award (to the extent outstanding on the date of such Change in Control) shall vest on the date of the Change in Control as to a number of Performance Units equal to (but not less than zero) (i) the number of Performance Units determined to be eligible to vest in connection with the Change in Control under Section A.5(a), A.5(b), or A.5(c), as applicable, less (ii) the number of Performance Units subject to the Award that otherwise vested 16on or before the date of such Change in Control. The second sentence of Section 7.2(a) of the Plan is hereby superseded by the provisions hereof and shall not apply to the Award.(e)Â Â Â Â Other Change in Control Rules. For purposes of clarity, the provisions of this Section A.5 shall not apply as to any Performance Units that have terminated (except as otherwise expressly provided in Section 4(b) of this Award Certificate) prior to the occurrence of such Change in Control. In the event of any conflict or inconsistency between Section A.1 or Section A.3, on the one hand, and this Section A.5, this Section A.5 controls.* * * * *17 EX-10.7 5 smtc-07282024xex107.htm EX-10.7 DocumentSEMTECH CORPORATION2017 LONG-TERM EQUITY INCENTIVE PLANPERFORMANCE STOCK UNIT AWARD CERTIFICATE THIS AWARD is made this [_____] (the â€œAward Dateâ€) by Semtech Corporation, a Delaware corporation (the â€œCorporationâ€), to [_____] (the â€œParticipantâ€). R E C I T A L SA. The Corporation has established the Corporationâ€™s 2017 Long-Term Equity Incentive Plan, as amended and restated (the â€œPlanâ€), in order to provide eligible persons of the Corporation with an opportunity to acquire shares of the Corporationâ€™s common stock (the â€œCommon Stockâ€).B. The Administrator has determined that it would be in the best interests of the Corporation and its stockholders to grant the performance stock unit award (the â€œAwardâ€) described in this Award Certificate to the Participant. NOW, THEREFORE, this Award is made on the following terms and conditions: 1.Â Â Â Â Definitions. Capitalized terms used in this Award Certificate (including Exhibit A hereto) and not otherwise defined herein (including Exhibit A hereto) shall have the meanings given to such terms in the Plan.2.Â Â Â Â Award of Performance Units. Pursuant to the Plan, the Corporation hereby awards to the Participant as of the date hereof an Award (at â€œtargetâ€) of [_____] performance stock units (subject to adjustment in accordance with SectionÂ 7.1 of the Plan) (such number of units, the â€œTotal Target Number of Performance Unitsâ€ and all performance stock units that are subject to the Award, the â€œPerformance Unitsâ€), which Performance Units are restricted and subject to forfeiture on the terms and conditions hereinafter set forth. As used herein, the term â€œstock unitâ€ shall mean a non-voting unit of measurement which is deemed solely for purposes of calculating the amount of payment under the Plan and this Award Certificate to be equivalent to one outstanding share of the Common Stock (subject to adjustment in accordance with SectionÂ 7.1 of the Plan). The Performance Units shall be used solely as a device for the determination of the payment to eventually be paid to the Participant if such Performance Units vest pursuant to Section 4. The Performance Units shall not be treated as property or as a trust fund of any kind. The Participant acknowledges that the Administrator may use a broker or other third party to facilitate its recordkeeping for awards granted under the Plan and agrees to comply with any administrative rules and procedures regarding such awards as may be in place from time to time. The Participant acknowledges and agrees that the Corporation may require that any Common Stock received under the Award be deposited in a brokerage account (in the name of the Participant) with a broker designated by the Corporation, and the Participant agrees to take such reasonable steps as the Corporation may require to open and maintain such an account. The Award, together with any time/service-based vesting restricted stock units granted by the Company to the Participant on or about the Award Date (the terms and conditions of which are governed by a written Restricted Stock Unit Award 1Certificate from the Company), are in full satisfaction of any and all rights that the Participant may have to receive equity awards from the Company in fiscal year 2025 pursuant to Section [___] of the Participantâ€™s Employment Agreement with the Company dated [_____] (the â€œEmployment Agreementâ€). In the event of any conflict or inconsistency between this Award Certificate and the Employment Agreement, this Award Certificate controls.3.Â Â Â Â Rights as a Stockholder; Dividends and Voting. (a)Â Â Â Â Limitations on Rights Associated with Units. The Participant shall have no rights as a stockholder of the Corporation, no dividend rights (except as expressly provided in Section 3(b) below with respect to dividend equivalent rights) and no voting rights, with respect to the Performance Units and any shares of Common Stock underlying such Performance Units.(b)Â Â Â Â Dividend Equivalent Rights Distributions. In the event that the Corporation pays an ordinary cash dividend on its Common Stock and the related dividend payment record date occurs at any time after the Award Date and before all of the Performance Units subject to the Award have either been paid pursuant to Section 5 or terminated pursuant to Section 4 or Exhibit A, the Corporation shall credit the Participant as of the payment date of such dividend with an additional number of Performance Units equal to (i) the per-share cash dividend paid by the Corporation on its Common Stock with respect to such record date, multiplied by (ii) the total number of outstanding and unpaid Performance Units (including any dividend equivalents previously credited hereunder) (with such total number based on the Total Target Number of Performance Units allocated to the Performance Period as to any Performance Period that has not been completed; and subject to adjustment pursuant to Section 7.1 of the Plan and/or Section 10 hereof) subject to the Award as of such record date, divided by (iii) the fair market value of a share of Common Stock (as determined under the Plan) on the payment date of such dividend. Any Performance Units credited pursuant to the foregoing provisions of this Section 3(b) shall be subject to the same vesting, payment and other terms, conditions and restrictions as the original Performance Units to which they relate. No crediting of Performance Units shall be made pursuant to this Section 3(b) with respect to any Performance Units which, as of such record date, have either been paid pursuant to Section 5 or terminated pursuant to Section 4 or Exhibit A.4.Â Â Â Â Vesting; Termination of Employment. (a)Â Â Â Â Vesting in General. The Award is subject to the vesting terms and conditions set forth in Exhibit A hereto, incorporated herein by this reference. References herein to this Section 4 include Exhibit A. Except as expressly provided herein, the vesting date for any Performance Units allocated to a particular Performance Period (as defined in Exhibit A) that are determined pursuant to Exhibit A to be eligible to vest with respect to that Performance Period shall be the date on which the Administrator determines the vesting of such Performance Units for that Performance Period in accordance with Exhibit A (the â€œDetermination Dateâ€); provided, however, that the Determination Date shall be not later than two and one-half months after the last day of the Performance Period; and provided, further, that the vesting date of the Performance Units allocated to the first Performance Period hereunder shall be the later of (i) the Determination Date for that Performance Period and (ii) the first anniversary of the Award Date. The Participant has no right to pro-rated vesting with respect to the Award if his or her services to the Corporation or one of its Subsidiaries terminate before any applicable vesting date with 2respect to the Award (regardless of the portion of the vesting period the Participant was in service to the Corporation and/or any of its Subsidiaries).(b)Â Â Â Â Termination In Connection With a Change in Control. Notwithstanding any other provision to the contrary contained herein but subject to the Release Requirement below, in the event that, during a Change in Control Window, the Participantâ€™s employment with the Corporation or one of its Subsidiaries terminates as a result of a termination by the Corporation or such Subsidiary without Cause (other than due to the Participantâ€™s death or Disability) or a resignation by the Participant for Good Reason, the Award (to the extent outstanding immediately prior to such termination of employment) shall vest on the date that the Participant ceases to be employed by the Corporation or one of its Subsidiaries (the â€œTermination Dateâ€) (or, if such Termination Date occurs in the Change in Control Window but prior to the consummation of the Change in Control Event to which the Change in Control Window relates, on the date of such Change in Control Event) as to the total number of Performance Units subject to the Award determined to be eligible to vest pursuant to Section A.5 of Exhibit A hereto in connection with such Change in Control Event less the number of Performance Units subject to the Award that otherwise vested on or before such Termination Date (or on or before the date of the Change in Control Event, as the case may be), provided in each case that the Participant executes and delivers to the Corporation the release contemplated by the Employment Agreement not later than twenty-one (21) days (forty-five (45) days, if such longer period is required by applicable law) following such vesting date and does not revoke such release (the â€œRelease Requirementâ€). As used in this Award Certificate, the terms â€œCauseâ€, â€œGood Reasonâ€, â€œDisabilityâ€, â€œChange in Control Windowâ€, and â€œChange in Control Eventâ€ shall have the meaning ascribed to such term in the Employment Agreement. (c)Â Â Â Â Effect of Termination of Employment. Subject to Section 4(b), if the Participant ceases to be employed by the Corporation or one of its Subsidiaries, then the Performance Units which have not vested as of the Termination Date shall automatically terminate and be cancelled as of the Termination Date without payment of any consideration by the Corporation and without any other action by the Participant, or the Participantâ€™s beneficiary or personal representative, as the case may be; provided, however, that if the Participantâ€™s employment with the Corporation or one of its Subsidiaries terminates as a result of a termination by the Corporation without Cause (other than due to the Participantâ€™s death or Disability) or a resignation by the Participant for Good Reason, and in each case provided that the Participant satisfies the Release Requirement, then (unless Section 4(b) applies in the circumstances, in which case Section 4(b) shall control) (i) the vesting of the Award shall continue to be governed by the terms of this Award Certificate as to any Performance Period scheduled to end not more than twelve (12) months after the Termination Date and, for purposes of the service-based vesting requirement set forth in Section 4(a) as to such Performance Period, the Participantâ€™s employment with the Corporation will be deemed to have continued through the applicable service-based vesting date for such Performance Period, and (ii) any portion of the Award corresponding to a Performance Period scheduled to end more than twelve (12) months after the Termination Date shall terminate and be cancelled as of the Termination Date. The vesting date for any Performance Units that vest pursuant to this Section 4(c) shall be the later of the last day of the applicable Performance Period or the Termination Date; provided that, as to any portion of the Award held open following the Termination Date pursuant to clause (i) of the preceding sentence, should a Change in Control Event occur before the end of such Performance Period, such portion of the Award 3shall vest upon the occurrence of such Change in Control Event (after giving effect to Section A.5 of Exhibit A hereto as to such portion of the Award).5.Â Â Â Â Timing and Manner of Payment of Performance Units. Subject to Section 6 below, on or as soon as practicable following (and in all events within thirty (30) days after, unless the Release Requirement in Section 4(b) or 4(c) applies, in which case the applicable period shall be seventy-four (74) rather than thirty (30) days after the applicable vesting date) the vesting of any Performance Units subject to the Award pursuant to Section 4 or Section A.5 of Exhibit A hereto (and in all events, other than as to any Performance Units vesting on the first anniversary of the Award Date, not later than seventy-four (74) days following the end of the Performance Period as to which such Performance Units vested), the Corporation shall deliver to the Participant a number of shares of Common Stock (either by delivering one or more certificates for such shares or by entering such shares in book entry form, as determined by the Administrator in its discretion) equal to the number of Performance Units subject to the Award (including any Performance Units issued in respect of dividend equivalent rights) that vested on that particular vesting date; provided, however, that the Corporation reserves the right to settle any Performance Units credited as dividend equivalents pursuant to Section 3(b) by a cash payment. In the event of such a cash payment, the cash payable with respect to a Performance Unit shall equal the fair market value of a share of Common Stock (such fair market value determined under the Plan) as of the vesting date of that Performance Unit. The Corporationâ€™s obligation to deliver shares of Common Stock or otherwise make payment with respect to vested Performance Units is subject to the condition precedent that the Participant or other person entitled under the Plan to receive any shares or any such payment with respect to the vested Performance Units deliver to the Corporation any representations or other documents or assurances required pursuant to SectionÂ 8.1 of the Plan. In the event the Release Requirement in Section 4(b) or 4(c) applies and the period of time for the Participant to consider, execute and revoke the applicable release agreement spans two calendar years, payment of the Performance Units that accelerated and became vested pursuant to such provision shall be made within the applicable period of time provided for above but in the second of such two years. The Corporation may, in its sole discretion, either ignore fractional share interests or settle them in cash. The Participant shall have no further rights with respect to any Performance Units that are paid pursuant to this Section 5, that terminate pursuant to Section 4(c), or that terminate pursuant to Section A.2 of Exhibit A. 6.Â Â Â Â Section 409A. Notwithstanding anything to the contrary herein or in the Plan, if the Participant is a â€œspecified employeeâ€ within the meaning of Section 409A of the Code, and, as a result of that status, any portion of the payments hereunder would otherwise be subject to taxation pursuant to Section 409A of the Code, the Participant shall not be entitled to any payments upon a â€œseparation from serviceâ€ (within the meaning of Section 409A of the Code) until the earlier of (i) the date which is six (6) months after his or her separation from service for any reason other than death, or (ii) the date of the Participantâ€™s death; provided that the first such payment thereafter shall include all amounts that would have been paid earlier but for such six (6) month delay. 7.Â Â Â Â Non-Transferability of Award. This Award is personal and neither the Performance Units nor any rights hereunder may be transferred, assigned, pledged or hypothecated by the Participant in any way (whether by operation of law or otherwise), other than by will or the laws of descent and distribution, nor shall any such rights be subject to execution, attachment or similar process; provided, however, that such restrictions shall not apply to transfers to the Corporation. Except as otherwise provided herein, any attempted alienation, assignment, pledge, hypothecation, attachment, execution or similar process, whether voluntary or involuntary, with respect to all or any part of the Participantâ€™s rights under this Award, shall be null and void. The provisions of this Section 7 shall not apply as to any 4shares of Common Stock delivered in payment of the Award once such shares have been delivered by the Corporation pursuant to

Section 5. 8.Â Â Â Â No Right to Continued Employment or Service. Except as provided in Sections 4(b) and 4(c), the vesting schedule requires continued employment or service through each applicable vesting date as a condition to the vesting of the applicable installment of the Award and the rights and benefits under the Award. Except as provided in Sections 4(b) and 4(c), employment or service for only a portion of the vesting period, even if a substantial portion, will not entitle the Participant to any proportionate vesting or avoid or mitigate a termination of rights and benefits upon or following a termination of services as provided in Section 4(c) above. Nothing contained in the Plan or this Award Certificate constitutes a continued employment or service commitment by the Corporation or any of its Subsidiaries, confers upon the Participant any right to remain in the employ of or service to the Corporation or any of its Subsidiaries, interferes with the right of the Corporation or any of its Subsidiaries at any time to terminate such employment or services, or affects the right of the Corporation or any of its Subsidiaries to increase or decrease the Participantâ€™s other compensation. By accepting this Award, the Participant acknowledges and agrees that (a) any person who is terminated before full vesting of an award, such as the one granted to the Participant by this Award Certificate, could attempt to argue that he or she was terminated to preclude vesting; (b) the Participant promises never to make such a claim; and (c) except as otherwise expressly provided in Sections 4(b) and 4(c), in any event, the Participant has no right to pro-rated vesting with respect to the Award if his or her service terminates before any applicable vesting date with respect to the Award (regardless of the portion of the vesting period the Participant was actually in the service of the Corporation and/or any of its Subsidiaries).9.Â Â Â Â Tax Consequences. (a)Â Â Â Â Tax Consultation. The Participant understands that he or she may suffer adverse tax consequences as a result of his or her acceptance of the Award. The Participant represents that he or she has consulted with any tax consultants he or she deems advisable in connection with the acceptance of the Award and that he or she is not relying on the Corporation or any of its Subsidiaries, officers, employees or agents for any tax advice. By accepting this Award and except as provided in Section 9(b), the Participant acknowledges that he or she shall be solely responsible for the satisfaction of any taxes that may arise (including taxes arising under SectionÂ 409A of the Code) with respect to the Award, and that the Corporation and its Subsidiaries shall not have any obligation whatsoever to pay such taxes. (b)Â Â Â Â Withholding. Upon any distribution of shares of Common Stock in respect of the Performance Units, the Corporation shall automatically reduce the number of shares of Common Stock to be delivered by (or otherwise reacquire) the appropriate number of whole shares, valued at their then fair market value (with the â€œfair market valueâ€ of such shares determined in accordance with the applicable provisions of the Plan), to satisfy any withholding obligations of the Corporation or any of its Subsidiaries with respect to such distribution of shares at the applicable withholding rates. In the event that the Corporation cannot legally satisfy such withholding obligations by such reduction of shares, or in the event of a cash payment or any other withholding event in respect of the Performance Units, the Corporation (or a Subsidiary) shall be entitled to require a cash payment by or on behalf of the Participant and/or to deduct from other compensation payable to the Participant any sums required by federal, state or local tax law to be withheld with respect to such distribution or payment. The Participant agrees to take any further actions and execute any additional documents as may be necessary to effectuate the provisions of this Section 9. 510.Â Â Â Â Adjustments; Change in Control.(a)Â Â Â Â Adjustments Upon Specified Events. Upon the occurrence of certain events relating to the Corporationâ€™s stock contemplated by SectionÂ 7.1 of the Plan, the Administrator shall make adjustments in accordance with such section in the number of Performance Units then outstanding and the number and kind of securities that may be issued in respect of the Award. No such adjustment shall be made with respect to any ordinary cash dividend for which dividend equivalents are credited pursuant to Section 3(b). For purposes of clarity, Exhibit A controls as to any adjustment of the performance goals, criteria or metrics, and references herein to Section 7.1 of the Plan or this Section 10 shall include Exhibit A as to such goals, criteria or metrics.(b)Â Â Â Â Change in Control. If, at any time after the Award Date and before the last day of the last scheduled Performance Period pursuant to Exhibit A hereto, a Change in Control Event occurs, the provisions of Section A.5 of Exhibit A hereto shall apply.11.Â Â Â Â Severability. In the event that any provision or portion of this Award Certificate shall be determined to be invalid or unenforceable for any reason, in whole or in part, in any jurisdiction, the remaining provisions of this Award Certificate shall be unaffected thereby and shall remain in full force and effect to the fullest extent permitted by law in such jurisdiction, and such invalidity or unenforceability shall have no effect in any other jurisdiction. 12.Â Â Â Â Binding Effect. This Award Certificate shall extend to, be binding upon and inure to the benefit of the Participant and the Participantâ€™s legal representatives, heirs, successors and assigns (subject, however, to the limitations set forth in SectionÂ 7 with respect to the transfer of this Award Certificate or any rights hereunder or of the Performance Units), and upon the Corporation and its successors and assigns, regardless of any change in the business structure of the Corporation, be it through spin-off, merger, sale of stock, sale of assets or any other transaction. 13.Â Â Â Â Notices. Any notice to the Corporation contemplated by this Award Certificate shall be in writing and be addressed to it in care of its Corporate Secretary; and any notice to the Participant shall be addressed to him or her at the address on file with the Corporation on the date hereof or at such other address as he or she may hereafter designate in writing.14.Â Â Â Â Plan. The Award and all rights of the Participant under this Award Certificate are subject to the terms and conditions of the provisions of the Plan, incorporated herein by reference. The Participant agrees to be bound by the terms of the Plan and this Award Certificate. The Participant acknowledges having read and understanding the Plan, the Prospectus for the Plan, and this Award Certificate. Unless otherwise expressly provided in other sections of this Award Certificate, provisions of the Plan that confer discretionary authority on the Board or the Administrator do not (and shall not be deemed to) create any rights in the Participant unless such rights are expressly set forth herein or are otherwise in the sole discretion of the Board or the Administrator so conferred by appropriate action of the Board or the Administrator under the Plan after the date hereof.15.Â Â Â Â Entire Agreement. This Award Certificate, together with the Plan (and the provisions of the Employment Agreement referred to herein), constitutes the entire understanding between the Corporation and the Participant with regard to the subject matter of this Award Certificate. They supersede any other agreements, representations or understandings (whether oral or written and whether express or implied) which relate to the subject matter of this Award Certificate.616.Â Â Â Â Waiver. The waiver of any breach of any duty, term or condition of this Award Certificate shall not be deemed to constitute a waiver of any preceding or succeeding breach of the same or of any other duty, term or condition of this Award Certificate. 17.Â Â Â Â Interpretation. The interpretation, construction, performance and enforcement of the terms and conditions of this Award Certificate and the Plan shall lie within the sole discretion of the Administrator, and the Administratorâ€™s determinations shall be conclusive and binding on all interested persons. 18.Â Â Â Â Choice of Law; Arbitration. This Award Certificate shall be governed by, and construed in accordance with, the laws of the State of California (disregarding any choice-of-law provisions). The arbitration provisions set forth in Section 16 of the Employment Agreement shall apply as to any dispute or disagreement regarding the Participantâ€™s rights under this Award Certificate. 19.Â Â Â Â Construction. It is intended that the terms of the Award will not result in the imposition of any tax liability pursuant to SectionÂ 409A of the Code. This Award Certificate shall be construed and interpreted consistent with that intent.20.Â Â Â Â Clawback Policy. The Award is subject to the terms of the Corporationâ€™s recoupment, clawback or similar policy as it may be in effect from time to time, as well as any similar provisions of applicable law, any of which could in certain circumstances require repayment or forfeiture of the Award or any shares of Common Stock or other cash or property received with respect to the Award (including any value received from a disposition of the shares acquired upon payment of the Award). The Participant hereby agrees to promptly repay to the Corporation any amounts that are required to be repaid pursuant to such policy. 21.Â Â Â Â Section Headings. The section headings of this Award Certificate are for convenience of reference only and shall not be deemed to alter or affect any provision hereof.22.Â Â Â Â No Advice Regarding Grant. The Participant is hereby advised to consult with his or her own tax, legal and/or investment advisors with respect to any advice the Participant may determine is needed or appropriate with respect to the Performance Units (including, without limitation, to determine the foreign, state, local, estate and/or gift tax consequences with respect to the Award). Neither the Corporation nor any of its officers, directors, affiliates or advisors makes any representation (except for the terms and conditions expressly set forth in this Award Certificate) or recommendation with respect to the Award.The Participant, in accepting the Award, agrees to the terms and conditions of this Award Certificate. SEMTECH CORPORATION,a Delaware corporationBy: _____Mark LinExecutive Vice President and Chief Financial Officer7EXHIBIT AVESTING TERMS AND CONDITIONSThe percentage of the Total Target Number of Performance Units (as set forth in Section 2 of this Award Certificate) subject to the Award that vest will range from zero percent (0%) to two hundred percent (200%) and, subject to Section 4 of this Award Certificate and Section A.5 below, will be determined based on the Corporationâ€™s Net Revenue and Non-GAAP Operating Income (as such terms are defined below) for the Corporationâ€™s 2025, 2026 and 2027 fiscal years, and a Relative TSR Ranking adjustment measured with respect to such fiscal years, as set forth below in this Exhibit A. One-half (1/2) of the Total Target Number of Performance Units are allocated to the Net Revenue metric and referred to as the â€œTarget Number of Net Revenue Performance Unitsâ€; and one-half (1/2) of the Total Target Number of Performance Units are allocated to the Non-GAAP Operating Income metric and referred to as the â€œTarget Number of Non-GAAP Operating Income Performance Unitsâ€. In addition, one-third (1/3) of the Total Target Number of Performance Units (as well as one-third (1/3) of the Target Number of Net Revenue Performance Units and one-third (1/3) of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY25 Performance Period; two-thirds (2/3) of the Total Target Number of Performance Units (as well as two-thirds of the Target Number of Net Revenue Performance Units and two-thirds of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY26 Performance Period; and 100% of the Total Target Number of Performance Units (as well as 100% of the Target Number of Net Revenue Performance Units and 100% of the Target Number of Non-GAAP Operating Income Performance Units) are allocated to the FY27 Performance Period. Subject to Section 4 of this Award Certificate and Section A.5 below, the percentage of the Target Number of Net Revenue Performance Units subject to the Award that vest will be determined based on the Corporationâ€™s Net Revenue for each Performance Period, and the percentage of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award that vest will be determined based on the Corporationâ€™s Non-GAAP Operating Income for each Performance Period (and, with respect to the Performance Units allocated to the FY27 Performance Period, subject to the effect of a Relative TSR Ranking adjustment for the TSR Measurement Period as set forth below). A.1Â Â Â Â Performance-Based Vesting. FY25 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY25 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY25 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%8If the Corporationâ€™s Non-GAAP Operating Income for the FY25 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY25 Performance Period will equal:(a)Â Â Â Â One-third (1/3) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY25 Performance Period determined using the table above, plus(b)Â Â Â Â One-third (1/3) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period determined using the table above;provided, however, that the maximum number of Performance Units that may vest with respect to the FY25 Performance Period is one-third (1/3) of the Total Target Number of Performance Units subject to the Award.FY26 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY26 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY26 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%If the Corporationâ€™s Non-GAAP Operating Income for the FY26 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%9Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY26 Performance Period will equal the number of Performance Units determined as follows (but not less than zero):(a)Â Â Â Â The sum of: (i) two-thirds (2/3) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY26 Performance Period determined using the table above; plus (ii) two-thirds (2/3) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period determined using the table above; provided, however, that the maximum number of Performance Units determined pursuant to this clause (a) is two-thirds (2/3) of the Total Target Number of Performance Units subject to the Award; minus (b)Â Â Â Â the total number of Performance Units subject to the Award that vested with respect to the FY25 Performance Period.FY27 Performance Period. The Net Revenue Achievement Percentage and the Non-GAAP Operating Income Achievement Percentage for the FY27 Performance Period will be determined based on the Corporationâ€™s Net Revenue and the Non-GAAP Operating Income, respectively, for the FY27 Performance Period using the following tables (with such percentage in each case to be interpolated on a linear basis for performance between the levels stated in the table).If the Corporationâ€™s Net Revenue for the FY27 Performance Period (in millions) is:The Net Revenue Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%If the Corporationâ€™s Non-GAAP Operating Income for the FY27 Performance Period (in millions) is:The Non-GAAP Operating Income Achievement Percentage for that Performance Period is:Less than $[___]0%$[___]60%$[___]100%$[___] or more160%Subject to Section 4 of this Award Certificate and Section A.5 below, the number of Performance Units subject to the Award that vest with respect to the FY27 Performance Period will equal the number of Performance Units determined as follows (but not less than zero):(a)Â Â Â Â The sum of: (i) one hundred percent (100%) of the Target Number of Net Revenue Performance Units subject to the Award, multiplied by the Net Revenue Achievement Percentage for the FY27 Performance Period determined using the table above, multiplied by the TSR Multiplier; plus (ii) one hundred percent (100%) of the Target Number of Non-GAAP Operating Income Performance Units subject to the Award, multiplied by the Non-GAAP Operating Income Achievement 10Percentage for the FY27 Performance Period determined using the table above, multiplied by the TSR Multiplier; provided, however, that the maximum number of Performance Units determined pursuant to this clause (a) is two hundred percent (200%) of the Total Target Number of Performance Units subject to the Award; minus (b)Â Â Â Â the total number of Performance Units subject to the Award that vested with respect to the FY25 Performance Period and the FY26 Performance Period.A.2Â Â Â Â Termination of Unvested Performance Units. Subject to Section A.5 below, any Performance Units allocated to a Performance Period that are not eligible to vest based on the performance requirements set forth in the preceding provisions of this Exhibit A as to that Performance Period (and which have not previously vested or terminated pursuant to the terms of this Award Certificate) will automatically terminate as of the last day of the applicable Performance Period. In the event of a Change in Control Event which results in one or more shortened Performance Periods pursuant to Section A.5 below, any Performance Units allocated to such a shortened Performance Period that are not eligible to vest based on the performance requirements set forth in this Exhibit A (as modified by Section A.5 below) as to that shortened Performance Period (and which have not previously vested or terminated pursuant to the terms of this Award Certificate) will automatically terminate as of the last day of that shortened Performance Period. The number of Performance Units that are eligible to vest based on performance for the applicable Performance Period (including any Performance Period shortened in accordance with Section A.5 below) will be determined by the Administrator following the end of the applicable Performance Period (or shortened Performance Period, as the case may be), and payment of vested Performance Units will be made as provided in Section 5 of this Award Certificate. Any such determination by the Administrator shall be final and binding.Â Â Â Â A.3Â Â Â Â Defined Terms. For purposes of the Award, the following definitions will apply: â€œBeginning Priceâ€ means, with respect to the Corporation and each other Index Company, the average of the closing market prices of such companyâ€™s common stock on the principal exchange on which such stock is traded for the thirty (30) consecutive trading days beginning with the first trading day of the TSR Measurement Period. For the purpose of determining Beginning Price, the value of dividends and other distributions as to which the ex-dividend date occurs during such thirty (30) day period shall be treated as reinvested in additional shares of stock at the closing market price on the corresponding ex-dividend date.â€œCIC TSR Multiplierâ€ means the TSR Multiplier determined as though the TSR Measurement Period commenced at the start of the Corporationâ€™s 2025 fiscal year and ended on the last trading day prior to the date on which the Change in Control Event occurs.â€œEnding Priceâ€ means, with respect to the Corporation and each other Index Company, the average of the closing market prices of such companyâ€™s common stock on the principal exchange on which such stock is traded for the thirty (30) consecutive trading days ending on the last trading day of the TSR Measurement Period. For the purpose of determining Ending Price, the value of dividends and other distributions as to which the ex-dividend date occurs during such thirty (30) day period shall be treating as reinvested in additional shares of stock at the closing market price on the

corresponding ex-dividend date. In the event a Change in Control Event occurs after the Award Date and before the last day of the FY27 Performance Period and the Change in Control Event is triggered by a merger of the Corporation or a sale of the Corporationâ€™s common stock, the â€œEnding Priceâ€ of the Corporationâ€™s common stock for purposes of determining the CIC TSR Multiplier in connection with that Change in Control Event means the per-share value of the Corporationâ€™s common stock in the Change in Control Event transaction.â€œFY25 Performance Periodâ€ means the Corporationâ€™s 2025 fiscal year.11â€œFY26 Performance Periodâ€ means the Corporationâ€™s 2026 fiscal year.â€œFY27 Performance Periodâ€ means the Corporationâ€™s 2027 fiscal year.â€œGAAPâ€ means U.S. generally accepted accounting principles.â€œIndex Companiesâ€ means each company that is (a) included in the Russell 3000 Index on the first day of the TSR Measurement Period and continues to be listed or traded on a national securities exchange throughout the TSR Measurement Period or (b) in the Russell 3000 Index on the first day of the TSR Measurement Period and ceases to be listed or traded on a national securities exchange during the TSR Measurement Period due to its bankruptcy or insolvency, provided that the TSR for any company described in this clause (b) shall be deemed for purposes of determining the Corporationâ€™s Relative TSR Ranking to be equal to the lowest TSR for any company that is described in clause (a). In the event an Index Company engages in a spinoff during the TSR Measurement Period, the Ending Price (and, if such spinoff occurs during the period of time used to determine the Beginning Price, for any remaining relevant trading days in determining the Beginning Price) for such Index Company shall be determined based on the Index Companyâ€™s common stock value and the spun off entityâ€™s common stock value.â€œNet Revenueâ€ means, for a particular Performance Period, the net revenue of the Corporation for that particular Performance Period, as determined in accordance with GAAP.â€œNet Revenue Achievement Percentageâ€ means, as to a particular Performance Period, a percentage determined based on the Corporationâ€™s Net Revenue for that Performance Period as determined under Section A.1.â€œNon-GAAP Operating Incomeâ€ means, for a particular Performance Period, the operating income of the Corporation for that particular Performance Period, as determined in accordance with GAAP and adjusted in accordance with the same methodology used by the Corporation as of the Award Date to publicly report its quarterly non-GAAP operating income results.â€œNon-GAAP Operating Income Achievement Percentageâ€ means, as to a particular Performance Period, a percentage determined based on the Corporationâ€™s Non-GAAP Operating Income for that Performance Period as determined under Section A.2.â€œPerformance Periodâ€ means either the FY25 Performance Period, the FY26 Performance Period, or the FY27 Performance Period, as applicable.â€œRelative TSR Rankingâ€ means the percentile ranking of the Corporationâ€™s TSR among the TSRs for the Index Companies for the TSR Measurement Period. In determining the Corporationâ€™s Relative TSR Ranking, in the event that the Corporationâ€™s TSR for the TSR Measurement Period is equal to the TSR(s) of one or more other Index Companies for the TSR Measurement Period, the Corporationâ€™s TSR will be deemed to be greater than the TSR of such other Index Company (or Index Companies) for the TSR Measurement Period. â€œTSRâ€ means total shareholder return (expressed as a percentage) and shall be determined with respect to the Corporation and each other Index Company by dividing (a) the sum of (i) the difference obtained by subtracting the Beginning Price from the Ending Price for the TSR Measurement Period plus (ii) all dividends and other distributions as to which the ex-dividend date occurs during the TSR Measurement Period (for purposes of clarity, without duplicating any dividends and other distributions as to which the ex-dividend date occurs during the period of thirty (30) consecutive trading days ending on the last trading day of the TSR Measurement Period that are taken into account in the determination of Ending Price for the TSR Measurement 12Period) by (b) the Beginning Price. For the purpose of determining TSR, the value of dividends and other distributions as to which the ex-dividend date occurs the TSR Measurement Period shall be treated as reinvested in additional shares of stock at the closing market price on the corresponding ex-dividend date. â€œTSR Measurement Periodâ€ means the three-year period consisting of the Corporationâ€™s 2025, 2026 and 2027 fiscal years for purposes of determining the Relative TSR Ranking.â€œTSR Multiplierâ€ means:â€¢if the Relative TSR Ranking is at or below the 25th percentile, a factor of three-fourths (3/4),â€¢if the Relative TSR Ranking is at or above the 75th percentile, a factor of five-fourths (5/4), andâ€¢if the Relative TSR Ranking is between the 25th percentile and the 75th percentile, a factor between three-fourths (3/4) and five-fourths (5/4) determined by linear interpolation between such two levels.A.4Â Â Â Â Adjustments. For purposes of the Award, the Administrator shall adjust Net Revenue and Non-GAAP Operating Income (or the applicable targets set forth above, as the case may be, and in the case of Non-GAAP Operating Income to the extent not otherwise taken into account in determining Non-GAAP Operating Income) to the extent (if any) necessary to exclude the impact of (a) any change in accounting policies, (b) any material corporate transaction (such as a reorganization, combination, separation, merger, acquisition, disposition, or any combination of the foregoing), or any complete or partial liquidation of the Corporation, (c) the costs associated with any such transaction, and (d) other extraordinary events not foreseen at the time the Administrator established the applicable target levels set forth above and recorded as a non-GAAP adjustment applicable to the Performance Period. In addition, the Administrator shall make adjustments to the TSR, and the determination of Beginning Price and Ending Price of the Corporation and each other Index Company, to eliminate (to the extent necessary and without duplication) the impact of any stock splits, reverse stock splits, and stock dividends. The Administratorâ€™s determination of Net Revenue and Non-GAAP Operating Income for each Performance Period (including any Performance Period shortened pursuant to Section A.5 below), as well as the Relative TSR Ranking for the TSR Measurement Period (including any shortened TSR Measurement Period pursuant to Section A.5 below), and whether, and the extent to which, any such adjustment is necessary shall be final and binding. A.5Â Â Â Â Change in Control Event. If, at any time after the Award Date and before the last day of the FY27 Performance Period, a Change in Control Event occurs, the following rules shall apply:(a)Â Â Â Â Change in Control Event During the FY25 Performance Period. This Section A.5(a) applies if the Change in Control Event occurs during the FY25 Performance Period. â€¢If the Change in Control Event occurs during the first fiscal quarter of the FY25 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(a) will equal 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier. â€¢If the Change in Control Event occurs during the FY25 Performance Period but after the first fiscal quarter of the FY25 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(a) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY25 Performance Period 13multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY25 Performance Period ended as of the last day of the fiscal quarter of the Corporation coinciding with or last preceding the date on which the Change in Control Event occurs (the â€œShort Period End Dateâ€) and with the FY25 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control Event occurred during the second fiscal quarter during the FY25 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY25 Performance Period coinciding with the first quarter of the FY25 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The performance goals and measurements with respect to the FY26 and FY27 Performance Periods no longer apply. â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(a)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) or 4(c) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the lesser of one-third (1/3) of such Performance Units eligible to vest or one-third (1/3) of the Total Target Number of Performance Units will be scheduled to vest on the later of the last day of the FY25 Performance Period or the first anniversary of the Award Date; (ii) the lesser of one-third (1/3) of such Performance Units eligible to vest or one-third (1/3) of the Total Target Number of Performance Units will be scheduled to vest on the last day of the FY26 Performance Period; and (iii) the remaining such Performance Units eligible to vest (the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(a) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence) will be scheduled to vest on the last day of the FY27 Performance Period.(b)Â Â Â Â Change in Control Event During the FY26 Performance Period. This Section A.5(b) applies if the Change in Control Event occurs during the FY26 Performance Period.â€¢If the Change in Control Event occurs during the first fiscal quarter of the FY26 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(b) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY25 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A. â€¢If the Change in Control Event occurs during the FY26 Performance Period but after the first fiscal quarter of the FY26 Performance Period, the number of Performance Units subject to the 14Award that will be eligible to vest as provided below in this Section A.5(b) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY26 Performance Period ended as of the Short Period End Date and with the FY26 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control Event occurred during the second fiscal quarter during the FY26 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY26 Performance Period coinciding with the first quarter of the FY26 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The performance goals and measurements with respect to the FY27 Performance Period will no longer apply. â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(b)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) or 4(c) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY25 Performance Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the later of the Determination Date for the FY25 Performance Period or the first anniversary of the Award Date; (ii) the lesser of two-thirds (2/3) of such Performance Units eligible to vest or two-thirds (2/3) of the Total Target Number of Performance Units, less the number of Performance Units vested or scheduled to vest pursuant to clause (i), will be scheduled to vest on the last day of the FY26 Performance Period (provided that such number of Performance Units determined pursuant to this clause (ii) will not be less than zero); and (iii) the remaining such Performance Units eligible to vest (if any; that is, the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(b) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence, but not less than zero) will be scheduled to vest on the last day of the FY27 Performance Period.(c)Â Â Â Â Change in Control Event During the FY27 Performance Period. This Section A.5(c) applies if the Change in Control Event occurs during the FY27 Performance Period. â€¢If the Change in Control Event occurs during the first fiscal quarter of the FY27 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5I will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the 15Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY26 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A. â€¢If the Change in Control Event occurs during the FY27 Performance Period but after the first fiscal quarter of the FY27 Performance Period, the number of Performance Units subject to the Award that will be eligible to vest as provided below in this Section A.5(c) will equal the greater of: (i) 100% of the Total Target Number of Performance Units multiplied by the CIC TSR Multiplier; or (ii) the Target Number of Net Revenue Performance Units multiplied by the Corporationâ€™s Net Revenue Achievement Percentage for the FY27 Performance Period multiplied by the CIC TSR Multiplier, plus the Target Number of Non-GAAP Operating Income Performance Units multiplied by the Corporationâ€™s Non-GAAP Operating Income Achievement Percentage for the FY27 Performance Period multiplied by the CIC TSR Multiplier, with such Achievement Percentages determined as otherwise provided above in this Exhibit A but calculated as though the FY27 Performance Period ended as of the Short Period End Date and with the FY27 performance levels set forth above in Section A.1 pro-rated for the portion of such Performance Period occurring through the Short Period End Date (for example, if the Change in Control Event occurred during the second fiscal quarter during the FY27 Performance Period and before the last day of that quarter, such performance levels would be pro-rated for the 25% of the FY27 Performance Period coinciding with the first quarter of the FY27 Performance Period, and performance against those goals would be assessed for purposes of determining such Achievement Percentages based on actual performance for such first quarter against such pro-rated performance levels). â€¢The number of Performance Units subject to the Award that are eligible to vest (determined as set forth above in this Section A.5(c)) will be scheduled to vest, subject in each case to the Participantâ€™s continued employment or service with the Corporation or any of its Subsidiaries through such vesting date (except as otherwise expressly provided in Section 4(b) or 4(c) of this Award Certificate or Section A.5(d)), on the following schedule: (i) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY25 Performance Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the later of the Determination Date for the FY25 Performance Period or the first anniversary of the Award Date; (ii) the number of Performance Units eligible to vest (or that vested, as the case may be) with respect to the FY26 Performance Period (determined in accordance with this Exhibit A before giving effect to this Section A.5) will continue to be scheduled to vest on the Determination Date for the FY26 Performance Period; and (iii) the remaining such Performance Units eligible to vest (if any; that is, the total number of Performance Units subject to the Award that are eligible to vest as determined in accordance with this Section A.5(c) less the portion of such Performance Units vested or scheduled to vest pursuant to clauses (i) and (ii) of this sentence, but not less than zero) will be scheduled to vest on the last day of the FY27 Performance Period. (d)Â Â Â Â Change in Control Event and Award Termination. In the event that Section 7.2(a) of the Plan applies and the Administrator has not made a provision for the substitution, assumption, exchange or other continuation or settlement of the Award, the Award (to the extent outstanding on the date of such Change in Control Event) shall vest on the date of the Change in Control Event as to a number of Performance Units equal to (but not less than zero) (i) the number of Performance Units determined to be eligible to vest in connection with the Change in Control Event under Section A.5(a), A.5(b), or A.5(c), as applicable, less (ii) the number of Performance Units subject to the Award that otherwise vested on or before the date of such Change in Control Event. The second 16sentence of Section 7.2(a) of the Plan is hereby superseded by the provisions hereof and shall not apply to the Award.(e)Â Â Â Â Other Change in Control Rules. For purposes of clarity, the provisions of this Section A.5 shall not apply as to any Performance Units that have terminated (except as otherwise expressly provided in Section 4(b) or 4(c) of this Award Certificate) prior to the occurrence of such Change in Control Event. In the event of any conflict or inconsistency between Section A.1 or Section A.3, on the one hand, and this Section A.5, this Section A.5 controls.* * * * *17 EX-31.1 6 smtc-07282024xex311.htm EX-31.1 DocumentExhibit 31.1CERTIFICATIONI, Hong Q. Hou, certify that:1.I have reviewed this quarterly report on Form 10-Q of Semtech Corporation;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within

those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5.The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Date: AugustÂ 28, 2024 /s/Â Hong Q. HouHong Q. HouPresident and Chief Executive Officer EX-31.2 7 smtc-07282024xex312.htm EX-31.2 DocumentExhibit 31.2CERTIFICATIONI, Mark Lin, certify that:1.I have reviewed this quarterly report on Form 10-Q of Semtech Corporation;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5.The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Date: AugustÂ 28, 2024 Â /s/Â Mark LinMark LinExecutive Vice President and Chief Financial Officer EX-32 8 smtc-07282024xex32.htm EX-32 DocumentExhibit 32CERTIFICATION PURSUANT TO18 USC 1350 AS ADOPTED PURSUANT TOSECTION 906 OF THE SARBANES-OXLEY ACT OF 2002In connection with the Quarterly Report on Form 10-Q of Semtech Corporation (the â€œCompanyâ€) for the period ended JulyÂ 28, 2024 as filed with the Securities and Exchange Commission on the date hereof (the â€œReportâ€), the undersigned, Hong Q. Hou, President and Chief Executive Officer of the Company, and Mark Lin, Executive Vice President and Chief Financial Officer of the Company, each hereby certifies, pursuant to 18 USC Â§1350, as adopted pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002, that to his knowledge:1.the Report fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934; and2.the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Date: AugustÂ 28, 2024 Â /s/Â Hong Q. HouHong Q. HouPresident and Chief Executive Officer/s/Â Mark LinMark LinExecutive Vice President and Chief Financial Officer EX-101.SCH 9 smtc-20240728.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 0000002 - Statement - Condensed Consolidated Statements of Income (unaudited) link:presentationLink link:calculationLink link:definitionLink 0000003 - Statement - Condensed Consolidated Statements Of Comprehensive Income (unaudited) link:presentationLink link:calculationLink link:definitionLink 0000004 - Statement - Condensed Consolidated Balance Sheets (unaudited) link:presentationLink link:calculationLink link:definitionLink 0000005 - Statement - Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 0000006 - Statement - Consolidated Statements of Stockholders' Equity (unaudited) link:presentationLink link:calculationLink link:definitionLink 0000007 - Statement - Condensed Consolidated Statements of Cash Flows (unaudited) link:presentationLink link:calculationLink link:definitionLink 0000008 - Disclosure - Organization and Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 0000009 - Disclosure - Acquisition link:presentationLink link:calculationLink link:definitionLink 0000010 - Disclosure - Loss per Share link:presentationLink link:calculationLink link:definitionLink 0000011 - Disclosure - Share-Based Compensation link:presentationLink link:calculationLink link:definitionLink 0000012 - Disclosure - Available-for-sale securities link:presentationLink link:calculationLink link:definitionLink 0000013 - Disclosure - Fair Value Measurements link:presentationLink link:calculationLink link:definitionLink 0000014 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 0000015 - Disclosure - Goodwill and Intangible Assets link:presentationLink link:calculationLink link:definitionLink 0000016 - Disclosure - Long-Term Debt link:presentationLink link:calculationLink link:definitionLink 0000017 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 0000018 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 0000019 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 0000020 - Disclosure - Restructuring link:presentationLink link:calculationLink link:definitionLink 0000021 - Disclosure - Concentration of Risk link:presentationLink link:calculationLink link:definitionLink 0000022 - Disclosure - Segment Information link:presentationLink link:calculationLink link:definitionLink 0000023 - Disclosure - Stock Repurchase Program link:presentationLink link:calculationLink link:definitionLink 0000024 - Disclosure - Derivatives and Hedging Activities link:presentationLink link:calculationLink link:definitionLink 9954471 - Disclosure - Organization and Basis of Presentation (Policy) link:presentationLink link:calculationLink link:definitionLink 9954472 - Disclosure - Acquisition (Tables) link:presentationLink link:calculationLink link:definitionLink 9954473 - Disclosure - Loss per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 9954474 - Disclosure - Share-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 9954475 - Disclosure - Available-for-sale securities (Tables) link:presentationLink link:calculationLink link:definitionLink 9954476 - Disclosure - Fair Value Measurements (Tables) link:presentationLink link:calculationLink link:definitionLink 9954477 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 9954478 - Disclosure - Goodwill and Intangible Assets (Tables) link:presentationLink link:calculationLink link:definitionLink 9954479 - Disclosure - Long-Term Debt (Tables) link:presentationLink link:calculationLink link:definitionLink 9954480 - Disclosure - Income Taxes (Tables) link:presentationLink link:calculationLink link:definitionLink 9954481 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 9954482 - Disclosure - Commitments and Contingencies (Tables) link:presentationLink link:calculationLink link:definitionLink 9954483 - Disclosure - Restructuring (Tables) link:presentationLink link:calculationLink link:definitionLink 9954484 - Disclosure - Concentration of Risk (Tables) link:presentationLink link:calculationLink link:definitionLink 9954485 - Disclosure - Segment Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9954486 - Disclosure - Derivatives and Hedging Activities (Tables) link:presentationLink link:calculationLink link:definitionLink 9954487 - Disclosure - Organization and Basis of Presentation (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Acquisition - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Acquisition - Schedule of Measurement Period Adjustments (Details) link:presentationLink link:calculationLink link:definitionLink 9954490 - Disclosure - Loss per Share - Computation of Basic and Diluted Earnings per Share (Details) link:presentationLink link:calculationLink link:definitionLink 9954491 - Disclosure - Share-Based Compensation - Allocation of Share-Based Compensation (Details) link:presentationLink link:calculationLink link:definitionLink 9954492 - Disclosure - Share-Based Compensation - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954493 - Disclosure - Available-for-sale securities - Summary Of Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954494 - Disclosure - Available-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Fair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Fair Value Measurements - Reconciliation of Changes in Debt Securities (Details) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Fair Value Measurements - Carrying Value and Fair Value of Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Fair Value Measurements - Investment Impairments and Credit Loss Reserves (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Inventories - Summary of Inventories (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Goodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Goodwill and Intangible Assets - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Goodwill and Intangible Assets - Schedule of Future Amortization Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Goodwill and Intangible Assets - Schedule of Construction in Process (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Long-Term Debt - Schedule of Long-term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Long-Term Debt - Credit Agreement (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Long-Term Debt - Convertible Senior Notes Due 2027 (Details) link:presentationLink link:calculationLink link:definitionLink 9954509 - Disclosure - Long-Term Debt - Schedule of Interest Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Long-Term Debt - Convertible Senior Notes due 2028 (Details) link:presentationLink link:calculationLink link:definitionLink 9954511 - Disclosure - Income Taxes - Summary of Income Tax Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9954512 - Disclosure - Income Taxes - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954513 - Disclosure - Income Taxes - Liability For Uncertain Tax Positions (Details) link:presentationLink link:calculationLink link:definitionLink 9954514 - Disclosure - Income Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 9954515 - Disclosure - Leases - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954516 - Disclosure - Leases - The Components of Lease Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9954517 - Disclosure - Leases - Supplemental Cash Flow Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954518 - Disclosure - Leases - Supplemental Balance Sheet Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954519 - Disclosure - Leases - Maturity (Details) link:presentationLink link:calculationLink link:definitionLink 9954519 - Disclosure - Leases - Maturity (Details) link:presentationLink link:calculationLink link:definitionLink 9954520 - Disclosure - Commitments and Contingencies - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954521 - Disclosure - Commitments and Contingencies - Schedule of Liability for Deferred Compensation (Details) (Details) link:presentationLink link:calculationLink link:definitionLink 9954522 - Disclosure - Commitments and Contingencies - Schedule of Other Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954523 - Disclosure - Restructuring - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954524 - Disclosure - Restructuring - Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9954525 - Disclosure - Restructuring - Schedule of Restructuring Charges (Details) link:presentationLink link:calculationLink link:definitionLink 9954526 - Disclosure - Concentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net Sales During Period (Details) link:presentationLink link:calculationLink link:definitionLink 9954527 - Disclosure - Segment Information - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954528 - Disclosure - Segment Information - Net Sales Activity by Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9954529 - Disclosure - Segment Information - Net Sales Activity by Geographic Region (Details) link:presentationLink link:calculationLink link:definitionLink 9954530 - Disclosure - Segment Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details) link:presentationLink link:calculationLink link:definitionLink 9954531 - Disclosure - Segment Information - Net Sales by Type (Details) link:presentationLink link:calculationLink link:definitionLink 9954532 - Disclosure - Stock Repurchase Program - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954533 - Disclosure - Derivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details) link:presentationLink link:calculationLink link:definitionLink 9954534 - Disclosure - Derivatives and Hedging Activities - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954535 - Disclosure - Derivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 10 smtc-20240728_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 11 smtc-20240728_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 12 smtc-20240728_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Accrued liabilities Accrued Liabilities, Current Other long-term liabilities Other long-term liabilities Other Noncurrent Liabilities [Member] Facilities, maximum borrowing capacity Line of Credit Facility, Maximum Borrowing Capacity Loss on extinguishment of debt Gain (Loss) on Extinguishment of Debt, before Debt Issuance Cost Writeoff Product developmentÂ and engineering Research and Development Expense Changes in assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Net Sales by Type Revenue from External Customers by Products and Services [Table Text Block] Award Type [Domain] Award Type [Domain] Fair Value as of Grant Date Award Grant Date Fair Value Cash paid to to acquire business Payments to Acquire Businesses, Gross Summary of Investments Schedule of Available-for-Sale Securities Reconciliation [Table Text Block] Deferred tax liabilities Deferred Income Tax Liabilities, Net Accounts payable Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable Purchase of investments Payments to Acquire Investments Insider Trading Policies and Procedures [Line Items] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] Debt Instrument, Convertible Terms Of Conversion [Domain] Debt Instrument, Convertible Terms Of Conversion [Domain] Debt Instrument, Convertible Terms Of Conversion [Domain] Restructuring Restructuring [Member] Restructuring Triggering Event Ten Triggering Event Ten [Member] Triggering Event Ten Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Line of Credit Facility [Line Items] Line of Credit Facility [Line Items] Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales [Table Text Block] [Table Text Block] for Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales [Table] Reporting Unit [Domain] Reporting Unit [Domain] Total financial liabilities Financial Liabilities Fair Value Disclosure Thereafter Lessee, Operating Lease, Liability Payments Due After Year Four Lessee, Operating Lease, Liability Payments Due After Year Four Major Customers [Axis] Customer [Axis] Current liabilities: Liabilities, Current [Abstract] Diluted (in dollars per share) Diluted earnings (loss) per common share (in dollars per share) Earnings Per Share, Diluted Accounts receivable, less allowances of $5,580 and $4,161, respectively Accounts Receivable, after Allowance for Credit Loss, Current Triggering Event Twelve Triggering Event Twelve [Member] Triggering Event Twelve IoT System, Routers IoT System, Routers [Member] IoT System, Routers Reclassifications of realized gain (loss) on cash flow hedges, net to net income Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, after Tax Line of Credit Line of Credit [Member] Non-current assets: Assets, Noncurrent [Abstract] Trading Symbol Trading Symbol LIBOR portion of fixed rate Debt Instrument, LIBOR Portion Of Fixed Rate Debt Instrument, LIBOR Portion Of Fixed Rate Cash Acquired from Acquisition Cash Acquired from Acquisition Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Amortization of deferred financing costs Amortization of Debt Discount

(Premium) Prepaid taxes Prepaid Taxes Available-for-sale securities Investments in Debt and Marketable Equity Securities (and Certain Trading Assets) Disclosure [Text Block] Swingline Loans Swingline Loans [Member] Swingline Loans [Member] Computation of Basic and Diluted Earnings Per Common Share Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Executive Category: Executive Category [Axis] Effect of foreign exchange rate changes on cash and cash equivalents Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations (LevelÂ 1) Fair Value, Inputs, Level 1 [Member] Debt Instrument, Three Month Interest Period Debt Instrument, Three Month Interest Period [Member] Debt Instrument, Three Month Interest Period Equity Components [Axis] Equity Components [Axis] Exercise price of warrants or rights (in dollars per share) Class of Warrant or Right, Exercise Price of Warrants or Rights Financial Instruments [Domain] Financial Instruments [Domain] Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Accrued liabilities Increase (Decrease) in Accrued Liabilities Maximum potential number of shares that can be earned (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Debt instrument, covenant, leverage ratio, maximum, increase limit Debt Instrument, Covenant, Leverage Ratio, Maximum, Increase Limit Debt Instrument, Covenant, Leverage Ratio, Maximum, Increase Limit Entity Small Business Entity Small Business 2029 Finite-Lived Intangible Asset, Expected Amortization, Year Four Local Phone Number Local Phone Number Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Letter of Credit Letter of Credit [Member] Sales Debt Securities, Available-for-Sale, Sold at Par Value Accounts Receivable Accounts Receivable [Member] Measurement Frequency [Axis] Measurement Frequency [Axis] Restricted Stock Units Restricted Stock Units (RSUs) [Member] Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Accrued liabilities Accrued Liabilities [Member] IoT Systems and Connectivity IoT Systems And Connectivity [Member] IoT Systems And Connectivity Line of Credit Facility [Table] Line of Credit Facility [Table] Schedule of Long-term Debt Schedule of Long-Term Debt Instruments [Table Text Block] Schedule of Business Acquisitions, by Acquisition Schedule of Business Acquisitions, by Acquisition [Table Text Block] Liability For Uncertain Tax Positions Liability For Uncertain Tax Positions [Table Text Block] Liability For Uncertain Tax Positions [Table Text Block] Gain from sale of investments Gain (Loss) on Sale of Investments Contractual interest Interest Expense, Debt Interest accrued Debt Securities, Available-for-Sale, Change in Present Value, Interest Income Grantee Status [Axis] Grantee Status [Axis] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Balance at January 28, 2024 Balance at July 28, 2024 Restructuring Reserve Harman Becker Automotive Systems GmbH Harman Becker Automotive Systems GmbH [Member] Harman Becker Automotive Systems GmbH Anti-dilutive shares not included in the above calculations (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Award Type [Axis] Award Type [Axis] Equity awards granted (in units) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Document Quarterly Report Document Quarterly Report Non-cash investing and financing activities: Noncash Investing and Financing Items [Abstract] Other restructuring Contract Termination [Member] Reconciliation of Unrecognized Tax Benefits, Excluding Amounts Pertaining to Examined Tax Returns [Roll Forward] Reconciliation of Unrecognized Tax Benefits, Excluding Amounts Pertaining to Examined Tax Returns [Roll Forward] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Hedging Designation [Axis] Hedging Designation [Axis] Goodwill [Line Items] Goodwill [Line Items] Right-of-use assets obtained in exchange for new operating lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Less: imputed interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Prepaid taxes Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Prepaid Taxes Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Prepaid Taxes Derivatives, Fair Value [Line Items] Derivatives, Fair Value [Line Items] Number of vested but unsettled awards (in shares) Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested and Unsettled in Period Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested and Unsettled Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Operating lease liabilities in "Accrued liabilities" Operating Lease, Liability, Current Schedule of Other Assets Schedule of Other Assets [Table Text Block] Corporate-owned life insurance, net Life Insurance, Corporate or Bank Owned, Change in Value 2028 Lessee, Operating Lease, Liability, to be Paid, Year Three Total expected amortization expense Finite-Lived Intangible Assets, Net Restricted Stock Units (RSUs), Cash Settlement Restricted Stock Units (RSUs), Cash Settlement [Member] Restricted Stock Units (RSUs), Cash Settlement Recent Accounting Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Counterparty Name [Domain] Counterparty Name [Domain] Notional value Derivative Asset, Notional Amount Accumulated Amortization Finite-Lived Intangible Assets, Accumulated Amortization 2027 Lessee, Operating Lease, Liability, to be Paid, Year Two Fair Value Debt Instrument, Fair Value Disclosure Regional Income (Loss) From Continuing Operations Before Income Taxes Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block] Finite-Lived Intangible Assets [Roll Forward] Finite-Lived Intangible Assets [Roll Forward] Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Foreign Income (Loss) from Continuing Operations before Income Taxes, Foreign Operating expenses, net: Operating Costs and Expenses [Abstract] Gross profit Gross profit Gross Profit Investment impairments and credit loss reserves, net Investment impairments and credit loss reserves, net Investment Impairments And Credit Loss Reserves Investment Impairments And Credit Loss Reserves Security Exchange Name Security Exchange Name Shares settled Share-Based Payment Arrangement, Shares Settled Share-Based Payment Arrangement, Shares Settled Sell USD/Buy CAD Forward Contract Sell USD/Buy CAD Forward Contract [Member] Sell USD/Buy CAD Forward Contract [Member] Selling, generalÂ and administrative Selling, General and Administrative Expense Accumulated other comprehensive loss, net Accumulated Other Comprehensive Income (Loss), Net of Tax Award vesting rights, percentage Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage Employee Stock Option Share-Based Payment Arrangement, Option [Member] Derivatives and Hedging Activities Derivative Instruments and Hedging Activities Disclosure [Text Block] Aggregate principal amount exchanged Debt Instrument, Repurchased Face Amount Maximum Maximum [Member] Restructuring and Related Costs Restructuring and Related Costs [Table Text Block] Document Type Document Type Geographic Concentration Risk Geographic Concentration Risk [Member] Tabular List, Table Tabular List [Table Text Block] Inventory Inventory, Policy [Policy Text Block] Commitments and Contingencies [Line Items] Commitments and Contingencies [Line Items] Commitments and Contingencies [Line Items] Cost of sales Cost of Goods and Service, Excluding Depreciation, Depletion, and Amortization Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Share-Based Compensation Share-Based Payment Arrangement [Text Block] Business Acquisition [Axis] Business Acquisition [Axis] Total cash surrender value of corporate-owned life insurance Cash Surrender Value of Life Insurance Triggering Event [Domain] Triggering Event [Domain] Triggering Event [Domain] Allowance for doubtful accounts, receivables Accounts Receivable, Allowance for Credit Loss, Current Derivative [Table] Derivative [Table] Customer Concentration Risk Customer Concentration Risk [Member] Variable Rate [Axis] Variable Rate [Axis] Closing share price used to determine market condition Share-based Compensation Arrangement by Share-based Payment Award, Closing Share Price Used to Determine Market Condition Share-based Compensation Arrangement by Share-based Payment Award, Closing Share Price Used to Determine Market Condition Title of 12(b) Security Title of 12(b) Security Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] IoT Systems and Connectivity IoT System [Member] IoT System Other long-term liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other Interest income Interest Income, Operating Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] Sublease income Sublease Income Acquisitions Business Combination Disclosure [Text Block] Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Operating Segments Operating Segments [Member] Triggering Event Six Triggering Event Six [Member] Triggering Event Six Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Variable rate spread Derivative, Fixed Interest Rate Distributions to noncontrolling interest Payments to Noncontrolling Interests Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Entity Tax Identification Number Entity Tax Identification Number Cumulative translation adjustment Goodwill, Foreign Currency Translation Gain (Loss) Total lease cost Lease, Cost Employee Stock Unit Awards Employee Stock Unit Awards [Member] Employee Stock Unit Awards [Member] Statistical Measurement [Axis] Statistical Measurement [Axis] Balance Sheet Location [Domain] Balance Sheet Location [Domain] Entity Interactive Data Current Entity Interactive Data Current Debt Securities, Available-for-sale [Table] Debt Securities, Available-for-Sale [Table] Product sales Product [Member] After 1 year through 5 years Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Measure: Measure [Axis] Schedule of Liability for Deferred Compensation Schedule of Liability for Deferred Compensation [Table Text Block] Schedule of Liability for Deferred Compensation [Table Text Block] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Name Outstanding Recovery, Individual Name Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Counterparty Name [Axis] Counterparty Name [Axis] Total Return Swap Total Return Swap [Member] Schedule of Carrying Values and Estimated Fair Values of Debt Instruments Schedule of Carrying Values and Estimated Fair Values of Debt Instruments [Table Text Block] Derivatives Derivatives, Policy [Policy Text Block] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] 2026 Finite-Lived Intangible Asset, Expected Amortization, Year One Cash paid for amounts included in the measurement of lease liabilities Operating Lease, Payments Common stock, shares outstanding (in shares) Beginning balance (in shares) Ending balance (in shares) Common Stock, Shares, Outstanding Revolving Loans and Non US Dollars LC Revolving Loans and Non US Dollars LC [Member] Revolving Loans and Non US Dollars LC [Member] Interest swap agreement Interest swap agreement Gain (Loss) on Derivative Instruments, Net, Pretax PEO PEO [Member] Loss contingency, estimate of probable loss Loss Contingency, Estimate of Possible Loss Threshold percentage of stock price trigger Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger Triggering Event Two Triggering Event Two [Member] Triggering Event Two Common stock, par value (in dollars per share) Common Stock, Par or Stated Value Per Share Net cash used in investing activities Net Cash Provided by (Used in) Investing Activities Increase to related insurance receivables recorded in other current assets Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Other Assets, Current Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Other Assets, Current Interest Rate Swap Interest Rate Swap [Member] Debt Instrument [Axis] Debt Instrument [Axis] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount Credit Facility [Axis] Credit Facility [Axis] Measurement Frequency [Domain] Measurement Frequency [Domain] Non-current liabilities: Liabilities, Noncurrent [Abstract] Title of Individual [Axis] Title of Individual [Axis] Debt fixed rate Long-Term Debt, Percentage Bearing Fixed Interest, Percentage Rate Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] North America North America [Member] IoT Connected Services IoT Connected Services [Member] IoT Connected Services Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Proceeds from sale of investments Proceeds from Sale of Long-Term Investments Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Performance period Share-based Compensation Arrangement by Share-based Payment Award, Performance Shares, Performance Period Share-based Compensation Arrangement by Share-based Payment Award, Performance Shares, Performance Period Derivative fixed rate Derivative, Interest Rate Derivative, Interest Rate Total current assets Assets, Current Schedule Of Significant Customers Accounting For At Least 10% Of Net Sales Schedules of Concentration of Risk, by Risk Factor [Table Text Block] Supplemental disclosure of cash flow information: Supplemental Cash Flow Information [Abstract] Total amortization expense Amortization Restructuring Type [Axis] Restructuring Type [Axis] Earnings Per Share Earnings Per Share, Policy [Policy Text Block] Goodwill and Intangible Assets Goodwill and Intangible Assets Disclosure [Text Block] Concentration risk, percentage Concentration Risk, Percentage Grant date fair value per unit (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Net cash used in operating activities Net Cash Provided by (Used in) Operating Activities Schedule of Future Amortization of Intangible Asset Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block] Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Depreciation and amortization Depreciation, Depletion and Amortization Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Within 1 year Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost Business Combination and Asset Acquisition [Abstract] Consolidation Items [Axis] Consolidation Items [Axis] Gross Unrealized Loss Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain (Loss), before Tax Goodwill impairment Goodwill, Impairment Loss Triggering Event Four Triggering Event Four [Member] Triggering Event Four Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Cumulative translation adjustment Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Deferred tax liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Liabilities Spread rate Derivative, Basis Spread on Variable Rate Termination period Lessee, Operating Lease, Termination Period Lessee, Operating Lease, Termination Period Entity Emerging Growth Company Entity Emerging Growth Company Debt issuance costs Debt issuance costs Debt Issuance Costs, Net FairÂ Value Debt Securities, Available-for-Sale, Fair Value, Fiscal Year Maturity [Abstract] Other intangible assets, net Intangible Assets, Net (Excluding Goodwill) Other assets Other Noncurrent Assets [Member] Finished goods Inventory, Finished Goods, Gross Product Warranties Standard Product Warranty, Policy [Policy Text Block] 2026 Lessee, Operating Lease, Liability, to be Paid, Year One Financial Metric-Based Restricted Stock Units (RSUs) Financial Metric-Based Restricted Stock Units (RSUs) [Member] Financial Metric-Based Restricted Stock Units (RSUs) Assets And Liabilities, Lessee Assets And Liabilities, Lessee [Table Text Block] Assets And Liabilities, Lessee [Table Text Block] Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Antidilutive Securities [Axis] Antidilutive Securities [Axis] Title Trading Arrangement, Individual Title Share liabilities paid to settle shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Share-Based Liabilities Paid Position [Domain] Position [Domain] Common Stock Common Stock [Member] Change in defined benefit plans, net Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, after Tax Individual: Individual [Axis] Entity Address, Postal Zip Code Entity Address, Postal Zip Code Income Statement Location [Domain] Income Statement Location [Domain] Total deficit Beginning balance Ending balance Equity, Including Portion Attributable to Noncontrolling Interest Distribution to outside interest upon liquidation of a consolidated subsidiary Noncontrolling Interest, Decrease from Distributions to Noncontrolling Interest Holders Investments [Abstract] Investments [Abstract] Minimum Minimum [Member] Property, plant and equipment, net of accumulated depreciation of $300,081 and $283,725, respectively Property, Plant and Equipment, Net Weighted-average number of shares used in computing loss per share: Weighted Average Number of Shares Outstanding, Diluted [Abstract] Other comprehensive (loss) income, net: Other comprehensive income (loss) Other Comprehensive Income (Loss), Net of Tax Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Assets Assets [Abstract] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Summary of the Carrying Values of Derivative Instruments Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block] Payments for employee share-based compensation payroll taxes Payment, Tax Withholding, Share-Based Payment Arrangement Aggregate payments towards remediation plan to date Payments Towards The Remedial Action Plan Payments Towards The Remedial Action Plan Trend-tek Technology Ltd. (and affiliates) Trend-Tek Technology Ltd And Affiliates [Member] Trend-Tek Technology Ltd And Affiliates [Member] Other current assets Other Current Assets [Member] Net cash (used in) provided by financing activities Net Cash Provided by (Used in) Financing Activities Deferred tax assets Deferred Income Tax Assets, Net Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Retained Earnings (Deficit) Retained Earnings [Member] Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Other current assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Other Basic (in dollars per share) Basic earnings (loss) per common share (in dollars per share) Earnings Per Share, Basic One-time employee termination benefits One-time Termination Benefits [Member] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Number of securities called by warrants (in shares) Class of Warrant or Right, Number of Securities Called by Warrants or Rights Capitalized Development Costs Capitalized Development Costs [Member] Capitalized Development Costs Measurement period adjustment, inventories Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Inventory Income taxes paid Income Taxes Paid Principles of Consolidation Consolidation, Policy [Policy Text Block] Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Document Transition Report Document Transition Report Award Timing Predetermined Award Timing Predetermined [Flag]

Measurement period adjustment Goodwill, Purchase Accounting Adjustments Schedule of Business Acquisitions, by Acquisition [Table] Schedule of Business Acquisitions, by Acquisition [Table] Accounts payable Increase (Decrease) in Accounts Payable Deferred Bonus and Profit Sharing Arrangement, Individual Contract, Type of Deferred Compensation [Domain] Deferred Bonus and Profit Sharing Arrangement, Individual Contract, Type of Deferred Compensation [Domain] Summary of Income Tax Contingencies Summary of Income Tax Contingencies [Table Text Block] Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fundamental change repurchase Conversion Price Percentage, Fundamental Change Repurchase Conversion Price Percentage, Fundamental Change Repurchase Derivative Instrument [Axis] Derivative Instrument [Axis] Outstanding balance Long-Term Debt, Gross All Trading Arrangements All Trading Arrangements [Member] All Adjustments to Compensation All Adjustments to Compensation [Member] Restructuring Reserve [Roll Forward] Restructuring Reserve [Roll Forward] Compensation Amount Outstanding Recovery Compensation Amount Credit Agreement, Matures On January 12, 2028 Credit Agreement, Matures On January 12, 2028 [Member] Credit Agreement, Matures On January 12, 2028 Derivative asset Derivative Asset Proceeds from exercise of stock options Proceeds from Stock Options Exercised Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Shares of common stock exchanged with 2028 Notes Debt Instrument, Convertible, Number of Equity Instruments Convertible Debt Convertible Debt [Member] Shares forfeited Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Dilutive effect of share-based compensation (in shares) Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements Unallocated costs, including share-based compensation and amortization of acquired technology Unallocated [Member] Unallocated Proceeds from sales of property, plant and equipment Proceeds from Sale of Property, Plant, and Equipment Accrued liabilities Deferred Compensation Liability, Current Cash payments Payments for Restructuring Document Period End Date Document Period End Date Adoption Date Trading Arrangement Adoption Date Treasury Stock, at Cost Treasury Stock, Common [Member] Deferred Bonus and Profit Sharing Arrangements, Individual Contracts, Type of Deferred Compensation [Axis] Deferred Bonus and Profit Sharing Arrangements, Individual Contracts, Type of Deferred Compensation [Axis] Loss Contingency Accrual Loss Contingency Accrual Concentration of Risk Concentration Risk Disclosure [Text Block] Amortization of inventory step-up Amortization Of Inventory Step-Up Amortization Of Inventory Step-Up Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Provision for income taxes Income Tax Expense (Benefit) Total deferred compensation liabilities under this plan Deferred Compensation Liability, Current and Noncurrent Designated as Hedging Instrument Designated as Hedging Instrument [Member] Other long-term liabilities Deferred Compensation Liability, Classified, Noncurrent Vesting [Axis] Vesting [Axis] Fair Value Measurements Fair Value Disclosures [Text Block] Number of operating segments Number of Operating Segments Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold Liability associated with awards vested but unsettled Deferred Compensation Share-Based Arrangements, Liability, Classified, Noncurrent Debt Instruments [Abstract] Debt Instruments [Abstract] Write-off of deferred financing costs Deferred Debt Issuance Cost, Writeoff Lender Name [Axis] Lender Name [Axis] Equity [Abstract] Equity [Abstract] Debt Securities, Available-for-sale [Line Items] Debt Securities, Available-for-Sale [Line Items] Inventories Inventory Disclosure [Text Block] Weighted-average remaining lease termâ€"operating leases (in years) Operating Lease, Weighted Average Remaining Lease Term Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Deferred income taxes Increase (Decrease) in Deferred Income Taxes Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Total purchase price consideration, net of cash acquired $68,794 Payments to Acquire Businesses, Net of Cash Acquired Comprehensive loss Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest Credit Facility [Domain] Credit Facility [Domain] Debt instrument margin Debt Instrument, Basis Spread on Variable Rate Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Loss Contingency, Damages Sought, Value Loss Contingency, Damages Sought, Value Number of Instruments Derivative, Number of Instruments Held Thereafter Finite Lived Intangible Assets Amortization Expense After Year Four Finite Lived Intangible Assets Amortization Expense After Year Four Sierra Wireless Sierra Wireless [Member] Sierra Wireless Intangible assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill Additional paid-in capital Additional Paid in Capital, Common Stock Additional Paid-in Capital Additional Paid-in Capital [Member] Unrealized (loss) gain on cash flow hedges, net Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification, after Tax Triggering Event Five Triggering Event Five [Member] Triggering Event Five Balance Sheet Location [Axis] Balance Sheet Location [Axis] Equity method (loss) income Equity method (income) loss Income (Loss) from Equity Method Investments Loss Contingencies [Line Items] Loss Contingencies [Line Items] Restatement [Axis] Revision of Prior Period [Axis] Cover [Abstract] Cover [Abstract] Position [Axis] Position [Axis] Threshold trading day Debt Instrument, Redemption Price, Threshold Trading Day Debt Instrument, Redemption Price, Threshold Trading Day United States UNITED STATES Fair Value, Measurements, Recurring Fair Value, Recurring [Member] Other long-term liabilities Other Liabilities, Noncurrent Total lease payments Lessee, Operating Lease, Liability, to be Paid Total operating expenses, net Operating Expenses Segment Information Segment Reporting Disclosure [Text Block] Debt Instrument, Covenant, Minimum Consolidated Liquidity Debt Instrument, Covenant, Minimum Consolidated Liquidity Debt Instrument, Covenant, Minimum Consolidated Liquidity Net decrease in cash and cash equivalents Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Secured Debt Secured Debt [Member] Maximum renewal term Lessee, Operating Lease, Renewal Term Equity Component [Domain] Equity Component [Domain] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Entity Current Reporting Status Entity Current Reporting Status Concentration Risk Type [Domain] Concentration Risk Type [Domain] Operating income (loss) Operating Income (Loss) Secured Overnight Financing Rate (SOFR) Secured Overnight Financing Rate (SOFR) [Member] Secured Overnight Financing Rate (SOFR) Debt Instrument, Convertible Terms Of Conversion [Axis] Debt Instrument, Convertible Terms Of Conversion [Axis] Debt Instrument, Convertible Terms Of Conversion Revenue from External Customers by Products and Services [Table] Revenue from External Customers by Products and Services [Table] Accrued liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accrued Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accrued Liabilities Segments [Axis] Segments [Axis] Scenario [Domain] Scenario [Domain] Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Market Performance Shares Market Performance Shares [Member] Market Performance Shares [Member] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Facilities, amount outstanding Long-Term Line of Credit Customer relationships Customer Relationships [Member] Type of Restructuring [Domain] Type of Restructuring [Domain] Stockholdersâ€™ equity (deficit) : Equity, Including Portion Attributable to Noncontrolling Interest [Abstract] Performance Period One Share-Based Payment Arrangement, Tranche One [Member] Restructuring Other Restructuring Costs Variable Rate [Domain] Variable Rate [Domain] Net loss attributable to noncontrolling interest Net Income (Loss) Attributable to Noncontrolling Interest Non-Employee Directors Share-Based Payment Arrangement, Nonemployee [Member] Pay vs Performance Disclosure [Line Items] Statistical Measurement [Domain] Statistical Measurement [Domain] Underlying Security Market Price Change Underlying Security Market Price Change, Percent Credit Agreement, Financial Covenant Relief Period Credit Agreement, Financial Covenant Relief Period [Member] Credit Agreement, Financial Covenant Relief Period Threshold consecutive trading days Debt Instrument, Convertible, Threshold Consecutive Trading Days Lessee, Operating Lease, Remaining Lease Term Lessee, Operating Lease, Remaining Lease Term Long-Term Debt Debt Disclosure [Text Block] Other current liabilities Other Current Liabilities [Member] Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Additional stock repurchase amount authorized Stock Repurchase Program, Increase In Authorized Amount Stock Repurchase Program, Increase In Authorized Amount Revolving loans Revolving Credit Facility [Member] MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Segment Reporting [Abstract] Segment Reporting [Abstract] Restatement Determination Date: Restatement Determination Date [Axis] Commitments and contingencies (Note 12) Commitments and Contingencies Line Of Credit, Decrease In Maximum Borrowing Capacity Line Of Credit, Decrease In Maximum Borrowing Capacity Line Of Credit, Decrease In Maximum Borrowing Capacity Schedule of Goodwill [Table] Schedule of Goodwill [Table] Geographical [Axis] Geographical [Axis] Income Taxes Income Tax Disclosure [Text Block] Credit loss reserve for held-to-maturity debt securities and available for sale debt securities Debt Securities, Allowance For Credit Loss Debt Securities, Allowance For Credit Loss Measurement period adjustment, deferred tax assets Business Combination, Provisional Information, Initial Accounting Incomplete, Deferred Tax Assets Business Combination, Provisional Information, Initial Accounting Incomplete, Deferred Tax Assets Proceeds from corporate-owned life insurance Proceeds from Life Insurance Policy Concentration Risk [Line Items] Concentration Risk [Line Items] Property, plant and equipment Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment Business Acquisition [Line Items] Business Acquisition [Line Items] Debt instrument, covenant, leverage ratio, maximum Debt Instrument, Covenant, Leverage Ratio, Maximum Debt Instrument, Covenant, Leverage Ratio, Maximum Fair Value, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Derivative liability Derivative Liability, Subject to Master Netting Arrangement, before Offset PEO Total Compensation Amount PEO Total Compensation Amount Goodwill [Roll Forward] Goodwill [Roll Forward] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] (LevelÂ 3) Fair Value, Inputs, Level 3 [Member] Non Employee Director Stock Unit Awards Non Employee Director Stock Unit Awards [Member] Non Employee Director Stock Unit Awards Treasury stock (in shares) Treasury Stock, Common, Shares Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Net loss attributable to common stockholders Net loss attributable to common stockholders Net Income (Loss) Attributable to Parent Total current liabilities Liabilities, Current Measurement period adjustment, deferred tax liabilities Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Deferred Tax Liabilities Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Deferred Tax Liabilities Derivative Contract [Domain] Derivative Contract [Domain] Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Company Selected Measure Name Company Selected Measure Name Leases Lessee, Operating Leases [Text Block] Liabilities and Equity (Deficit) Liabilities and Equity [Abstract] Finite-Lived Intangible Assets [Line Items] Finite-Lived Intangible Assets [Line Items] Number of days after maturity date Debt Instrument Maturity, Extension, Number Of Days After Maturity Date Debt Instrument Maturity, Extension, Number Of Days After Maturity Date Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Domestic Income (Loss) from Continuing Operations before Income Taxes, Domestic Impairment of equity method investment Equity Securities without Readily Determinable Fair Value, Impairment Loss, Annual Amount Total cost of sales Cost of Goods and Services Sold Debt Instrument, Interest Period [Axis] Debt Instrument, Interest Period [Axis] Debt Instrument, Interest Period Income Tax Contingency [Table] Income Tax Contingency [Table] Award vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Foreign Exchange Contract Foreign Exchange Contract [Member] Other Commitments [Table] Other Commitments [Table] Name Measure Name Name Forgone Recovery, Individual Name Goodwill Beginning balance Ending balance Goodwill Deferred Compensation Plan For Officers And Executives Deferred Compensation Plan For Officers And Executives [Member] Deferred Compensation Plan For Officers And Executives [Member] Net Sales Activity By Geographic Region Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block] Environmental Issue Environmental Issue [Member] Underlying Securities Award Underlying Securities Amount Forecast Forecast [Member] Selling, General and Administrative Expenses Selling, general and administrative Selling, General and Administrative Expenses [Member] Warrants Warrant [Member] Operating lease liabilities in "Other long-term liabilities" Operating Lease, Liability, Noncurrent Schedule of Investments, Classified by Maturity Period Investments Classified by Contractual Maturity Date [Table Text Block] Revenue from External Customer [Line Items] Revenue from External Customer [Line Items] Debt outstanding Debt Hedged by Interest Rate Derivatives Debt Hedged by Interest Rate Derivatives Denso Corporation Denso Corporation [Member] Denso Corporation Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Income Statement Location [Axis] Income Statement Location [Axis] Performance level percentage Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Performance Level Percentage Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Performance Level Percentage Commitments and Contingencies Commitments and Contingencies, Policy [Policy Text Block] Revision of Prior Period, Reclassification, Adjustment Revision of Prior Period, Reclassification, Adjustment [Member] Share-based Payment Arrangement, Noncash Expense [Abstract] Share-Based Payment Arrangement, Noncash Expense [Abstract] Signal Integrity Signal Integrity Products Group [Member] Signal Integrity [Member] Lessee, Operating Lease, Liability, Maturity Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Settled In Cash Settled In Cash [Member] Settled In Cash Europe Europe [Member] China (including Hong Kong) China Including Hong Kong [Member] China (including Hong Kong) [Member] Product and Service [Domain] Product and Service [Domain] Other Performance Measure, Amount Other Performance Measure, Amount Credit Agreement Credit Agreement [Member] Credit Agreement Payments for derivative instrument Payments for Derivative Instrument, Financing Activities Lease, Cost Lease, Cost [Table Text Block] Inventories Increase (Decrease) in Inventories Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] Payment on Term Loans in connection with Third Amendment Payment for Debt Extinguishment or Debt Prepayment Cost Accounts payable related to capital expenditures Capital Expenditures Incurred but Not yet Paid Loss on extinguishment of debt Loss on extinguishment of debt Gain (Loss) on Extinguishment of Debt Additions Finite-Lived Intangible Assets Acquired 2025 (remaining six months) Finite-Lived Intangible Asset, Expected Amortization, Remainder of Fiscal Year Trading Arrangement: Trading Arrangement [Axis] Schedule Of Interest Expense Interest Income and Interest Expense Disclosure [Table Text Block] Use of Estimates Use of Estimates, Policy [Policy Text Block] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Contained File Information, File Number Entity File Number Loss Contingencies [Table] Loss Contingencies [Table] Derivative term Derivative, Term of Contract Decreases based on tax positions related to prior fiscal years Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions Intangible amortization Amortization of Intangible Assets Entity Shell Company Entity Shell Company Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Restatement Determination Date Restatement Determination Date Additions based on tax positions related to the current fiscal year Unrecognized Tax Benefits, Increase Resulting from Current Period Tax Positions Other liabilities Increase (Decrease) in Other Operating Liabilities Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Schedule of Restructuring and Related Costs [Table] Schedule of Restructuring and Related Costs [Table] Cash and cash equivalents at beginning of period Cash and cash equivalents at end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Asset Class [Axis] Asset Class [Axis] Operating lease cost Operating Lease, Cost Common stock, shares issued (in shares) Common Stock, Shares, Issued Debt Instrument, Six Month Interest Period Debt Instrument, Six Month Interest Period [Member] Debt Instrument, Six Month Interest Period Measurement period adjustment, accrued liabilities Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accrued Liabilities Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accrued Liabilities Treasury stock, at cost, 13,396,402 shares and 13,720,283 shares, respectively Treasury Stock, Common, Value Long-term Debt Long-Term Debt Total financial assets Assets, Fair Value Disclosure Finite-lived Intangible Assets Amortization Expense Finite-Lived Intangible Assets Amortization Expense [Table Text Block] Comprehensive loss attributable to common stockholders Comprehensive Income (Loss), Net of Tax, Attributable to Parent Value at January 28, 2024 Value at July 28, 2024 Other Finite-Lived Intangible Assets, Gross Short-term lease cost Short-Term Lease, Cost Entity Address, Address Line One Entity Address, Address Line One Schedule of Finite-Lived Intangible Assets Schedule of Finite-Lived Intangible Assets [Table Text Block] Statements of Income Income Statement [Abstract] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Financial liabilities Derivative Liability Other current assets Other Assets, Current Product development and engineering Product Development And Engineering [Member] Product Development And Engineering [Member] Debt extinguished in exchange for common stock Debt Conversion, Converted Instrument, Amount Inventories Inventories Inventory, Net Financial Instrument [Axis] Financial Instrument [Axis] Measurement period adjustment, net assets acquired, excluding goodwill Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Consideration Transferred Other assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Total Shareholder Return Amount Total Shareholder Return Amount Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Stockholdersâ€™ Equity (Deficit) Parent [Member] Segments [Domain] Segments [Domain] Debt Conversion Terms One Debt Conversion Terms One [Member] Debt Conversion Terms One Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Consolidation Items [Domain] Consolidation Items [Domain]

Retained deficit Retained Earnings (Accumulated Deficit) Debt Securities, Available For Sale, Reconciliation [Roll Forward] Debt Securities, Available For Sale, Reconciliation [Roll Forward] Debt Securities, Available For Sale, Reconciliation [Roll Forward] Credit Agreement, Matures On November 7, 2024 Credit Agreement, Matures On November 7, 2024 [Member] Credit Agreement, Matures On November 7, 2024 Face amount Debt Instrument, Face Amount Current assets: Assets, Current [Abstract] Leases [Abstract] Leases [Abstract] Other Commitments [Line Items] Other Commitments [Line Items] Entity Address, State or Province Entity Address, State or Province Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Sell Notional Value Short [Member] Accumulated Impairment Finite-Lived Intangible Assets, Impaired, Accumulated Impairment Loss Finite-Lived Intangible Assets, Impaired, Accumulated Impairment Loss Schedule of Revenues from External Customers and Long-Lived Assets [Table] Schedule of Revenues from External Customers and Long-Lived Assets [Table] Debt instrument, conversion price (in dollars per share) Debt Instrument, Convertible, Conversion Price Conversion ratio Debt Instrument, Convertible, Conversion Ratio Accounts receivable, net Increase (Decrease) in Accounts and Other Receivables Accrued deferred financing costs Debt Issuance Costs Incurred During Noncash or Partial Noncash Transaction Debt Conversion Terms Two Debt Conversion Terms Two [Member] Debt Conversion Terms Two Asset Class [Domain] Asset Class [Domain] Derivative asset Derivative Asset, Subject to Master Netting Arrangement, before Offset Debt Instrument, One Month Interest Period Debt Instrument, One Month Interest Period [Member] Debt Instrument, One Month Interest Period Convertible Senior Notes Due 2028 Convertible Senior Notes Due 2028 [Member] Convertible Senior Notes Due 2028 Name of Major Customer [Domain] Customer [Domain] Summary of Inventories Schedule of Inventory, Current [Table Text Block] Revenues from External Customers and Long-Lived Assets [Line Items] Revenues from External Customers and Long-Lived Assets [Line Items] Net cash premium Class Of Warrant Or Right And Debt Instrument, Net Cash Premium Class Of Warrant Or Right And Debt Instrument, Net Cash Premium Total operating lease liabilities Total Operating Lease, Liability IoT System, Modules IoT System, Modules [Member] IoT System, Modules Total accrued taxes Liability for Uncertainty in Income Taxes, Noncurrent Settled With Shares Settled With Shares [Member] Settled With Shares Service revenue Service [Member] Organization and Basis of Presentation Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Inventories Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Inventory Vesting [Domain] Vesting [Domain] Other assets Increase (Decrease) in Prepaid Expense and Other Assets Accumulated Other Comprehensive Income (Loss), Net AOCI Attributable to Parent [Member] Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount All Executive Categories All Executive Categories [Member] Debt Disclosure [Abstract] Debt Disclosure [Abstract] Convertible Senior Notes Due 2027 Convertible Senior Notes Due 2027 [Member] Convertible Senior Notes Due 2027 Number of reportable segments Number of Reportable Segments Loss per share: Earnings Per Share [Abstract] Earnings Per Share [Abstract] Common stock, $0.01 par value, 250,000,000 shares authorized, 88,514,575 issued and 75,118,173 outstanding and 78,136,144 issued and 64,415,861 outstanding, respectively Common Stock, Value, Issued Redemption price, percentage Debt Instrument, Redemption Price, Percentage After 1 year through 5 years Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, after Year One Through Five Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Trade name Trade Names [Member] Amortization of right-of-use assets Operating Lease, Right-of-Use Asset, Periodic Reduction Measurement period adjustment, property, plant, and equipment Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Property, Plant, and Equipment Measurement period adjustment, accounts payable Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accounts Payable Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accounts Payable Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List] Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] All Individuals All Individuals [Member] Floating rate Long-Term Debt, Percentage Bearing Floating Interest, Percentage Rate Long-Term Debt, Percentage Bearing Floating Interest, Percentage Rate Non-operating expense, net Other Nonoperating Income (Expense) Entity Filer Category Entity Filer Category Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Triggering Event Eleven Triggering Event Eleven [Member] Triggering Event Eleven Statement [Table] Statement [Table] Current Fiscal Year End Date Current Fiscal Year End Date Accounts payable Accounts Payable, Trade, Current Balance at January 28, 2024 Balance at July 28, 2024 Unrecognized Tax Benefits PEO Name PEO Name Triggering Event Thirteen Triggering Event Thirteen [Member] Triggering Event Thirteen Asia-Pacific Asia Pacific [Member] Base Rate Base Rate [Member] Triggering Event One Triggering Event One [Member] Triggering Event One Performance period Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Performance Period Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Performance Period Changes in Carrying Amounts of Goodwill Schedule of Goodwill [Table Text Block] Measurement period adjustment, other long-term liabilities Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Noncurrent Liabilities, Other Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Noncurrent Liabilities, Other Product Concentration Risk Product Concentration Risk [Member] Fixed interest rate Debt instrument stated rate Debt Instrument, Interest Rate, Stated Percentage Balance Sheets Statement of Financial Position [Abstract] Deferred tax assets Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Assets Total stockholdersâ€™ deficit Equity, Attributable to Parent Net tax benefits, if recognized, would impact the effective tax rate Unrecognized Tax Benefits that Would Impact Effective Tax Rate Schedule of Finite-Lived Intangible Assets [Table] Schedule of Finite-Lived Intangible Assets [Table] Quarterly amortization percentage Debt Instrument, Quarterly Amortization, Percentage Debt Instrument, Quarterly Amortization, Percentage Reporting Unit [Axis] Reporting Unit [Axis] Stock Repurchase Program Treasury Stock [Text Block] Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Concentration Risk Type [Axis] Concentration Risk Type [Axis] Restatement [Domain] Revision of Prior Period [Domain] Purchase of intangibles Payments to Acquire Intangible Assets Restructuring Restructuring and Related Activities Disclosure [Text Block] Hedging Designation [Domain] Hedging Designation [Domain] Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) (in shares) Stock Issued During Period, Shares, Conversion of Convertible Securities (Level 2) Fair Value, Inputs, Level 2 [Member] Maximum amount that can be used to obtain revolving loans and letters of credit in alternative currencies Line Of Credit Facility, Maximum Borrowing Capacity, Foreign Currency Line Of Credit Facility, Maximum Borrowing Capacity, Foreign Currency Weighted-average effective interest rate Debt Instrument, Interest Rate, Effective Percentage Net assets acquired, excluding goodwill Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Employees Share-Based Payment Arrangement, Employee [Member] Document Fiscal Period Focus Document Fiscal Period Focus Threshold trading days Debt Instrument, Convertible, Threshold Trading Days Estimated useful life Finite-Lived Intangible Asset, Useful Life Undrawn revolving commitments Line of Credit Facility, Remaining Borrowing Capacity 2029 Lessee, Operating Lease, Liability, to be Paid, Year Four Share-based compensation Share-Based Payment Arrangement [Member] Share-based compensation Share-Based Payment Arrangement, Noncash Expense Triggering Event Three Triggering Event Three [Member] Triggering Event Three Debt Instrument, Covenant, Liquidity Ratio Required, Minimum Debt Instrument, Covenant, Liquidity Ratio Required, Minimum Debt Instrument, Covenant, Liquidity Ratio Required, Minimum City Area Code City Area Code Product and Service [Axis] Product and Service [Axis] Loss per Share Earnings Per Share [Text Block] Triggering Event [Axis] Triggering Event [Axis] Triggering Event Document Fiscal Year Focus Document Fiscal Year Focus Geographical [Domain] Geographical [Domain] Software Licenses Software and Software Development Costs [Member] Debt Instrument, Interest Period [Domain] Debt Instrument, Interest Period [Domain] Debt Instrument, Interest Period [Domain] Schedule of Acquired Finite-Lived Intangible Assets Schedule of Acquired Finite-Lived Intangible Assets by Major Class [Table Text Block] Exercise Price Award Exercise Price Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Basis of Presentation Fiscal Period, Policy [Policy Text Block] Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List] Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Net loss Net loss Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Fair Value, Assets Measured on Recurring Basis Fair Value, Assets Measured on Recurring Basis [Table Text Block] Core technologies Developed Technology Rights [Member] Allocation Of Stock-Based Compensation Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] TOTAL LIABILITIES AND EQUITY (DEFICIT) Liabilities and Equity Total available-for-sale securities Debt Securities, Available-for-Sale, Amortized Cost Other assets Other Assets, Noncurrent Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Operating lease right-of-use assets in "Other assets" Operating Lease, Right-of-Use Asset Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Share-Based Compensation Settlement Type [Domain] Share-Based Compensation Settlement Type [Domain] Share-Based Compensation Settlement Type [Domain] Research And Development Research And Development [Member] Research And Development 2025 (remaining six months) Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year Arrangement Duration Trading Arrangement Duration Total In Process Research and Development [Member] Entity Address, City or Town Entity Address, City or Town Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Net Sales by Segment Schedule of Segment Reporting Information, by Segment [Table Text Block] Treasury stock reissued (in shares) Stock Issued During Period, Shares, Treasury Stock Reissued Triggering Event Nine Triggering Event Nine [Member] Triggering Event Nine Restricted Stock Units (RSUs), Share Settlement Restricted Stock Units (RSUs), Share Settlement [Member] Restricted Stock Units (RSUs), Share Settlement Restructuring Restructuring expense Restructuring Charges Remaining authorization under stock repurchase program Stock Repurchase Program, Remaining Authorized Repurchase Amount Termination Date Trading Arrangement Termination Date Common stock, shares authorized (in shares) Common Stock, Shares Authorized FairÂ Value Total available-for-sale securities Convertible debt investments Balance at January 28, 2024 Balance at July 28, 2024 Debt Securities, Available-for-Sale Raw materials and electronic components Inventory, Raw Materials, Gross Line of Credit Facility, Lender [Domain] Line of Credit Facility, Lender [Domain] Warrants (in shares) Incremental Common Shares Attributable to Dilutive Effect of Call Options and Warrants Amount not subject to redemption Debt Instrument, Face Amount, Not Subject To Redemption Debt Instrument, Face Amount, Not Subject To Redemption Adjustments to reconcile net loss to net cash used in operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Bridge Loan Bridge Loan [Member] Placed in service Finite-Lived Intangible Assets, Placed In Service Finite-Lived Intangible Assets, Placed In Service Derivative [Line Items] Derivative [Line Items] Award Timing Disclosures [Line Items] Title of Individual [Domain] Title of Individual [Domain] Comprehensive loss attributable to noncontrolling interest Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest Net loss before equity method (loss) income Income Loss From Continuing Operations Before Income Loss From Equity Method Investments Income Loss From Continuing Operations Before Income Loss From Equity Method Investments Convertible debt Convertible Debt Securities [Member] Annual amortization Debt Instrument, Covenant, Annual Amortization Debt Instrument, Covenant, Annual Amortization Performance Period Three Share-Based Payment Arrangement, Tranche Three [Member] Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Interest and Penalties on Unrecognized Tax Benefits Income Tax, Policy [Policy Text Block] 2028 Finite-Lived Intangible Asset, Expected Amortization, Year Three Work in progress Inventory, Work in Process, Gross Insider Trading Arrangements [Line Items] Loss (gain) on disposition of business operations and assets Gain (Loss) on Disposition of Business and Property Plant and Equipment Gain (Loss) on Disposition of Business and Property Plant and Equipment Entity Registrant Name Entity Registrant Name Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Award Timing Method Award Timing Method [Text Block] 2027 Finite-Lived Intangible Asset, Expected Amortization, Year Two Adjustment to Compensation, Amount Adjustment to Compensation Amount Performance Period Two Share-Based Payment Arrangement, Tranche Two [Member] Cost of sales Cost of Sales [Member] Noncontrolling interest Equity, Attributable to Noncontrolling Interest Proceeds from revolving line of credit Proceeds from Lines of Credit Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Accumulated depreciation Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] Payments of term loans Repayments of Long-Term Debt Analog Mixed Signal and Wireless Advanced Protection And Sensing Products Group [Member] Advanced Protection And Sensing Products Group Triggering Event Seven Triggering Event Seven [Member] Triggering Event Seven Entity Central Index Key Entity Central Index Key Accretion of deferred financing costs Amortization of Debt Issuance Costs and Discounts Share-based compensation expense Share-Based Payment Arrangement, Expense Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Gross Carrying Amount Finite-Lived Intangible Assets, Gross Accounts receivable, net Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Receivables Deferred financing costs Payments of Financing Costs Net sales Revenue Benchmark [Member] Name Trading Arrangement, Individual Name Amortization of acquired technology Total amortization expense Cost, Amortization Risks and Uncertainties [Abstract] Risks and Uncertainties [Abstract] Net sales Revenue from Contract with Customer, Excluding Assessed Tax Entity [Domain] Entity [Domain] Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Amendment Flag Amendment Flag Legal Entity [Axis] Legal Entity [Axis] Share-Based Compensation Settlement Type [Axis] Share-Based Compensation Settlement Type [Axis] Share-Based Compensation Settlement Type Weighted-average discount rate on remaining lease paymentsâ€“operating leases Operating Lease, Weighted Average Discount Rate, Percent Interest paid Interest Paid, Excluding Capitalized Interest, Operating Activities Within 1 year Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One Organization And Basis Of Presentation [Table] Organization And Basis Of Presentation [Table] Organization And Basis Of Presentation [Table] Long-term debt Long-Term Debt, Excluding Current Maturities Diluted (in shares) Weighted average common shares outstanding - diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted Number of days before maturity date if not extended Debt Instrument Maturity, Number Of Days Before Maturity Date If Not Extended Debt Instrument Maturity, Number Of Days Before Maturity Date If Not Extended Grantee Status [Domain] Grantee Status [Domain] Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Deferred tax assets - non-current Non-current deferred tax asset [Member] Non-current deferred tax asset [Member] Interest expense Total interest expense Interest Income (Expense), Nonoperating, Net Purchase of property, plant and equipment Payments to Acquire Property, Plant, and Equipment Company Selected Measure Amount Company Selected Measure Amount Frontek Technology Corporation (and affiliates) Frontek Technology Corporation [Member] Frontek Technology Corporation [Member] TOTAL ASSETS Assets Name Awards Close in Time to MNPI Disclosures, Individual Name Organization And Basis Of Presentation [Line Items] Organization And Basis Of Presentation [Line Items] Organization And Basis Of Presentation [Line Items] Treasury stock reissued to settle share-based awards Stock Issued During Period, Value, Treasury Stock Reissued Proceeds from sale of warrants Proceeds from Issuance of Warrants Share-based compensation APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Restructuring and Related Activities [Abstract] Restructuring and Related Activities [Abstract] Non-NEOs Non-NEOs [Member] Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities [Abstract] Loss before taxes and equity method (loss) income Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest Non-PEO NEO Non-PEO NEO [Member] Adjustment to Compensation: Adjustment to Compensation [Axis] Triggering Event Eight Triggering Event Eight [Member] Triggering Event Eight Debt Instrument [Line Items] Debt Instrument [Line Items] Scenario [Axis] Scenario [Axis] Basic (in shares) Weighted average common shares outstanding - basic (in shares) Weighted Average Number of Shares Outstanding, Basic Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Buy Notional Value Long [Member] Other comprehensive (loss) income, net: Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract] Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract] Statement [Line Items] Statement [Line Items] Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) Stock Issued During Period, Value, Conversion of Convertible Securities Concentration Risk [Table] Concentration Risk [Table] AmortizedÂ Cost Debt Securities, Available-for-Sale, Amortized Cost, Fiscal Year Maturity [Abstract] Noncontrolling Interest Noncontrolling Interest [Member] EX-101.PRE 13 smtc-20240728_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 14 image.jpg begin 644 image.jpg MB5!.1PT*&@H -24A$4@ 4H "2" 8 C,X/S 7-21T(KLX< MZ0 1G04U! "QCPO\804)<$A9[;T'>%W7=2;*)BM.7&(G<>R,X\PDF9G,%X]?QC.I[YN7EWB>;=F2V FP M4Z1$497JO??>+

(EJ+.@@40BP2Z38"]@EBJ1(2NQ%[%5L(,CU_G^MO<\]]_(" MN N*$':/[#NV6>?S/Z$V\>E;.XIK^ MP8JV9R'$:ND\L!>677\N!S@ M0P[GZ![=/4O'Z&8M;.F/7HP.L4>^U A$&1#P585C(I)6,E$::9$(2:(DS;/G M3O-7ZI388 4<@[Q_*#)\ M^7'A&/EY68GTGCM#GE[WD2P[>5+)55$'\[6RMFSI^&U^>;=Y\$9O_0(1!D0 M\%6%,I'1D1*2.R=%ZCF9LH[:WADYV*WY' 454E+ZS9(%O.F+XJ M<)_^6DC40L_=29M (,J @*\LR$0@/R5+.ST',^E+;;3%34LTDYTF>1)6I9_M ME)]75TNG@)D)I-[98.H$,.U14@!C'2X?*4DB)M*\".5(J>01ACN=Q',Y!IF,+ MY1O%H^27[TZ0V8?VJS?F-PTTNQ.>>[LO.0)1'@1\94$6,BW1^,C.29.>HZPO MD1J?R F#')4L81YOQW:5=.--^6\32J5TSVXE8/I!HM8C3DVOM?!]V1&(,B#@2P8E MDQ2DL\L$R4]1MW/-8%Q0A*5*)JDY)\MONC:^4'A7EH0J-I75UI6F(US!-X7BKM M*ZA-EL,>UZJI899#TRR3BR =*]D4!T&2,&$VK1//E>3+7Z+)7KGWLX@2Z;?Z MJGV6@2@# @*:@.:284.(7%2#C7;KH K\XBBWG+-!G9+MV^7')23)(FB%Y4IR M[*?>K0;^4(-S M>N0YCD*3.$56GC@I/U=*&ZUDUP'-YX[CBW%$(9$JN>0^O\;N$[\LKV MC:K7UB$,&II8-+_,"09/!E09P4Z4@WF^':I%:2Y#6G.7(P1P=T2)*.*%6K=*):IEUO M/[X"S7.09?%H^;?I$V27UR:IT;+]W080B#(@X +!=$'^>JV0A)$@"MKNA,SY M_+"4[?Y,"K9ND]&;MTCASNU2O7^/K*H]I9/ $W#/\D$U\B>BQ"10>^-5?W? 2I'M*_*![FQN4Q-D2/<.%(;!%FVUT$:1XSL.:,O+UIHUPV=8+\Y^I2^?ZX8OEN4;%\JZA$_@#F M/X4V]S!4#?.FR>S#AV40WA&07?JZ#A$"9!+$^F'7>-!00O]YRH=ZYO<=OJT M7#)EDDTFUV:S([VL" F2H^(D5!(FF^*5TF',2+EMZ2*;+L2NA*QKT3$XIWGP MHD@ZR0R!* ,"6AM:,?'C*BAIZI32HTWPSH/&^(_O391O%A?H"'&[4DA9B72 M!M:>H\DXMBL'^92BZ5M4)#\<5RB#%\V5E2H.P72J5473>)ZJN,$_%!Y MLU4YYO>[A_?+3PI&FMO9)DI.$(<(:)H1?C6S^3U&?C%SLFHN,[)N#9A.C=C& MTES!HVK?4(=HDYMS$2AMPX03O@G?DGR>/E^I]G^FZ:EV&"#<]61H-\)?^ M&FBO9V>-*% ;OA$:*XC2-ZFS*:E$"8V2<6A?5BC_<>(XJ3EV5,/ T>]L@RZJ MJY$AQ0ZPET;F"$09$-"8+UDI52"8E/;-37W0^Y8ODR^"<)K5U8$(H'V6 5" M!*FTKR:Y&.'8 N.%<72$836H:(41Q(0I&2, $\%H4S8O\^1)7^<..J,^NOI MO1[P"Z^R<&U:^0;A:/A%IO>CN"R)21%A-.:W>RWI#V.Y47R VPP_7Z1M*_*!

VZ2F^ZX6S4GOQZ8@S36CSQ$"Z#U>S$M.&SNN]QQU)=#R25&Z^XTYHZ[:562ILA-X".FW&^[IF MG76)X=,\A+">&:SC/=?-I]M/9CN>O!!W0D^=)>/75.I4H_-#_Z\9@L77C$
M=7_T9CWG455P/LOE;:A 2%B?(7P3\5I?).('J]>H_[Z098)4HB1Q4//E9&U. M>>C:&TUF'+4)T)=-E77'V5;-VY0\,AA)1! ZHG MRH3F?4%$"6.ONFM_E"#@5\D)#:]N[C\;2S/ MX^?
UW4.W^$+GJ#KC<4GG;C*JH$A?CLG@.;5)$]5API2I>(8KWDSK9_Z1S/V\ M2>_$!25)(N85B9)UQ*\WU_Y>F+NZ>MN%]9E=$#A2:$YWSJXIIE$WU#GVK^ON M5+FYFG;:BD'\]:7.%T9;)4KF&-
/.I]^Q$R=T \ 7WWE;;K[$#AERW3 9K\!QE$)K9[#]C NH;!PFEQ(8*?WE.KMSWZ^)6T-E M@-0^2KI'(KAZ^,URSX./R%T//"QW/_B0[D)"LJ$[DZSAV*"\SL?N$^>>.Y9 M6?'1AYI>JDWBF$E!-
Z+LH7&NERACSG@C)_Z_\+O7=.10M1*2)%\X(GN17CS M77>^2>AQ]&_%%_,I"['WI8[J$\\)#*O3P^9#+XNFM17EEN MX3:D[1(EX#,M-<-.G3RE@P+'3AS73493Y7A:.7Z>[-
ZW3W=NOA>)S\FWVB>" M1,N%!L@I"1SHF3G/-TDR0^JH-S.;TX-**L?+F3-GY&1MK>ZD?!I';DC<7-'G MS]3*J=K3NJ%IG=OT5*L&M,EX$['W4>,H;.KRU9^ VKMQ$ETQQA M95J43YB@UPF?
5YF4GZPAYE5$E!QP87ZQ7J(^KM^T.6U:1!/6#YT^Z,3;,[UX M?!4*ERW=A=MPOXT.YB0JEC?K'#$W7RS;X/S&AYYX0LE25],@<]@TZ8)"SXFI M3<'BE2LD-T:4S 3N#ETY(;XRIW7 U#%Q:
<:8T;"3)DHC2:93'WD.);W6;-M,HV392:4?S7.8$N M)5WFL6!R-03/O'BDVJ4[-\#D*O#'*$"#AUV+PLTE>^Q?&JP;U][_\&/J3Z:H M22%*$F[G7KWU6SPBTMJ(>19W,:?
I[,C&'/V/L7OXS*ZI+1CFO%#"FG&1%E MTC-T4MU-CD.JNWH-0H+T]RE9QI[Y*A"EOY])8A/.293LAK =HX:!*.,[<\?= MI[FA>XFE;3(2Z?'9OOVZFHI$I#L;0:-B/V5OI/^JV HKNA_/
MWU9'S"NO43(-62Y[]<<1&K#OM _:W\&@/8?(Y38QWJABX'R4W,&G31!GQSPY M11IK)H.%@:WPIT]^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN
M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI-$>?7PFV2+^\Z.>N/2)BLDI Y"E"1C MYZF@?
_K"$JG%O4\^ 2+QKN+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_<_:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#'T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?
5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^, F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X3PPF"0X=\J)_P_\83N$:HCWZZ< MLJODN\3AA^K%G
MGTFI=@V#VZSI0GZXHQHE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK.+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\V"S7 VQ^+H:428F MG >BS!S>/_],04FQ?
=EOD+TDF99<5_S8T\)D:,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]POSCWB4;AUP '#+VJ MR0G'N6VI,H^?5! 5X/ "91#KWN M1MG:E
])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9,P4_C$.>A#\WA+7 MKO.+@5J.D:]:ED Z#S[^N'Z4:MK[,Y%?Z?.Q:<(Z,4_.C3(7+_KC)TYJ&'S: MQA'9^ ["^[:__60[B"BZ -L"#/[6+F"ADZ_][--0
MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/0O35%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&
(;E&KH(;*2>S=\);DZ*+ _F VA=T$0Z^[M1E:M6:UM$!U^&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6J]J M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)
[W#.6Y/>%/V6.S5*^,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<-I;N#< M ZVN3,NOU;.^TA5E?G1!0?
(VABE@.OHP^:\P*DDB[;0;"VZU]'.U<>A7&+EQ MKU,.&%8ERMA7&"\$6J91N@3C1\I_TPUONW[6=ZCSOE)%$S(#P;U*@G0'PN^9 ML,#RZWQQ1NW>4V.8Y\?U]4^OW4$%&U>P4J*T-
MHH1&^=1SS]L-K0A^RR9U,(=$28URL_O$1$9P<>'!*"M%HV33&T1I2RTMCB3* MR7Z$UQZ,C)G"^928XPLL76=9??^:#JB/*F6CCAR>6=4[J*\RTQX?^(9G]JV MSO+:O3?(%\K$!Q_92[)1(+CQ]-
E_Z"#*S7-R>0Z:X5 >>@YR Y$41YI,-U^' M+"R)<"2'+RZ\WE^GFW'=O_].?CK$TUV;WNRZPO-,/W6'1)E-C=(3I2L/')^(M$Z65H]9'$XB2 >*;!I(2MF=>>DE^TQV10276S&)ECHG:(Z)&I1HJH.-K_
3,REJ-^EW7O)?<]]*CLWFL;H<8+5";PE68SFHXWW'Z[[7H$ MM[7"J+\(@Q8\A",6OM3P^O-T=FI.B0_[Q5C0'WKBL?.F=<1!F[CMVZ/'H.EE M4UJ4*!$N-KV?>=&V66M-+%JZS#1*5
0CRD':>KAV^"VR!YI.QG 1LKCQUXC2 M8^["&O7]U&27+@F>^+4J7:#/1@9,P6]4$&>1P)[-E'Y_7;.H,@9R!>0Y94O M@ZF2+G]3[=@R43N?WY17K@S?T8 6%Y>$-
@7QLGW\$DIGS!>^@\>#$6AAVY MH?W66L?8A80CNT=FM>*_3E[5!0 M4@-J;DOD6$?-?6I\F[9N<7>T'*^]]98VO>F^QA%$V1MQ6+M^O;OCPJ#91*F9 MI_9@_5&CY%==NDIW)!0_3*5JN)I-
3"W/3)C89O9O0A-^X(JK%+B10Y_!5\H[M>86RWVTP0/@*D DT[*ZCG.#:U'L>>0R:7D]MONB6]L@,OJ7-?Q^FILOY<1\@ MEW3K(D_TR4?CX<<="&J>VO<=XG)\?KIKMPASLJL<^R/#[O,\OP?
F_=N4L& M#+U:+D73L3N(GMK6)5V[R[,O_RYMV.N%NY4'*SW)&N7B9+%EA.ZNQI^A=^! N4N0SH6X^UY2 MPY(5X2'FA_K3 /SUU&3/^RE0=$]OMJ9M^Q,T=V*=F/4CW#"4;B+4C5NSZ M>&>S#&:"%A-
E*C3P#'\6)9Y07EJ*^ER(W.=1^R]IF3V)AS]N;@RI]_EG,WV^ MJ6C([=;R-W(3A\; GRAPHIC 15 imagea.jpg begin 644 imagea.jpg MB5!.1PT*&@H -24A$4@ 4H "2" 8 C,X/S 7-21T(KLX< MZ0
1G04U! "QCPO\804)<$A9

[;T'>%W7=2;*)BM.7&(G<>R,X\PDF9G,%X]?QC.I[YN7EWB>;=F2V FP M4Z1$497JO??>+(EJ+.@@40BP2Z38"]@EBJ1(2NQ%[%5L(,CU_G^MO<\]]_(" MN N*$':/[#NV6>?S/Z$V\>E;.XIK^
MP8JV9R'$:ND\L>677\N!S@ M0P[GZ!=/4O'Z&8M;.F/7HP.L4>^U A$&1#P585C(I)6,E$:!:9$(2:(DS;/G M3O-7ZI388 4<@[Q_*#)\ M^7'A&/EY6SDNYZ#8E[WD2P[>5+)55$'"\
[6RMFSI^&U^>;=Y\$9O_0(1!D0 M%6%,I'1D1*2.R=%ZCF9LH[:WADYV*WY'_454E+ZS9(%O.F+XJ M<)_^6DC40L_=29M (,J @*\LR$0@/R5+.ST',^E+;;3%34LTDYTF>1)6I9_M
ME)]75TNG@D)I-[98.H$,.U14@!C'2X?*4DB)M*\".5(J>01ACN=Q',Y!IF,+ MY1O%H^27[TZ0V8?VJS?F-PTTNQ.>>[LO.0)1!@1\94$6,BW1^,C.29.>HZPO MD1J?R F#')4L81YOQW:5=.--
^6\32J5TSVXE8/!!HM8C3DVOM?!JV1&(,B#@2P8E MDQ2DL\L$R4]1MW/-8%Q0A5*)JDY)\MEU:^4'A7EH0J-I75UI6F(US!-X7BKM M*ZA-EL,>UZJI899#TRR3BR
=*]D4!T&2,&$VK1//E>3+7Z+)7KGWLX62Z;?Z MJGV6@2@# @*:@.:284.(7%2#C7;KH K\XBBWG+-!G9+MV^7')23)(FB%Y4IR M[*?>K0;^4(-S M>N0YCD*3.$56GC@I/U=*&ZUDUP'-
YX[CBW%$(9$JN>0^O\;N$[\LKV MC:K7UB$,&II8-+_,"09/!E09Z4@WF^':I%:2Y#6G.7(P1P=T2)*.*%6K=*):IEUO M/[X"S7.09?%H^;?I$V27UR:IT;+]W080B#(@X
+!=$'^>JV0A)$@"MKNA,SY M_+"4[?Y,"K9ND&;MTCASNU2O7^/K*H]9/ $W#/D\U\B>BQ"10>^-5?W?_21M". *![FQN4Q-D2/<.%(;!%FVUT$:1XSL.:,O+UIHUPV=8+A\Y^I2^?
ZX8OEN4;%)ZA$_@#F M/X4V]S]!4#?.FR>S#AV40WA&07?]Z#A$"9!+$^F'7>-!00O]YRH=ZYO<=OJT M7#)EDDTFUV:S([VL" F2H^(D5!(FF^*5TF',2+EMZ2*;+L2NA*QKT3$XIWGP
MHD@ZR0R!* ,"6AM:,?'C*BAIZI32HTWPSH/&^(_O391O%A?H"'&[4DA9B72 M!M:>H\DXMBL'^92BZ5M4)#\<5RB#%\V5E2H.P72J5473>)ZJN,$_%!Y MLU4YYO>[A_?+3PI&FMO9)DI.$]
(1<)H1?C6S^3U&?C%SLFRN,{)N#9A.C=C& MTES!HVK?<HD*Z[2%RHJ*$?)7QOQ A;U_U3+YDY)1() \'?#0 M.8C4QG1.(D>4(=HDYMS$2AMPX03O@G?DGR>/E^]G^FZ:EV&*#<)61H-\)?^
M&FBO9V>-*%_:OA$:*XC2-ZFS*:E$"8V2<6A?5BC_<>(XJ3EV5,/ T>]L@RZJ MJY$AQO2PET;F"$09$-'*8+UDI52*8E/;-37W0^Y8ODR^"<)K5U8$(H'V6 5" M!*FTKR:Y&.'8 N.%<72$836H:
(41Q(0I&2,_$U%H4S8O\^1)7^<.,J,^BOI MO1[P"Z*D^<&U:^0;A:/A%IO>CN"R)21%A-.:W>RWI#V.Y47R VBP,P]SO+V5 M/H&/WV"8HD>+MXJ;,$(@R(* 5PK6*1J81)8=/SJ#9+?+R)QODVPT(
X0GHX< M@RQU$ 3$4@T[KGS1:38<>>8R0HX>DR1+I).ND,$S56S*YLL_3)H@*TZY_7JB M?C_JE[7PU^E-]%Z/^.4],#ZT>IW\7E&A$5@ZLFN14 .F<&"(FC'M'%&.JY3W MJO%5@:#H[//L@B\#
[0O6-&#J,PWL=14)_74OK4P0B#(@H!7!EJ6.L^C #2OM M.9EUY+#\)_8+%D-+K*A4 E2B!,&8%D;RM*,W:Q\BB,>$D\)+\"Q(M1S-\<(B MN7;1(M'&+ B
NP!9+^7Y&J4G2N+!U6OE8AWQ;@6BK$^CA&;\@[(*>?^06Z73 M!++*%(PU>VRU/Q;N,[;J3](O_M?!1KL?,O<[$&5 0&M#*RBUR;,ZO>?6IVB4/X+=@J.^Z:VARRJ4>ST[DA/A1RU$%VN2()%
JE#RY@P1B#(@H+6A-9=$ M*;(43>2?08ML-PZD45T"$LP#@13C2.TK3C1.DZ1P4$0)DO8X\GD2:A6;ZVS6 M@H3&CI1;5BY6/^@=&^(D2SVW@^,.GAE1EA[8+7]2.!+ND=3B?F=!-+PD2II)
MEHP+[,;FR\^FE,OJD\<9I*R"&J/7&C6RE%3H-?R0,YUFG0D"408$M#*L>6E$ M^<(G&^3BPC%*3CIPXT:UM2^21*+$XLB&Q!F1IY&F$BI'ODF@49,=1#2N0/[W
MU$FRY;2MN*F:%JE"7]XY.B[[[?\Z,1Q^7N.M$,CS?KT(*=)K1AAA=Q+!@E M_1?.D@,:@NPA09(:6R$-KSUW1B;OWR.%6S9+_J9-4KW[,USE>>RKA-W=?=_'FVS7#;' M'5$J@>(9?1;7.%VH;)S\N*!
)OM5+_H)!J]412RIQ'#&;89Q";7+%XL[8KR MS4WZ[TB:YXG^4=J1E"GNO@R$;G"_RHZ,B[I?+M\LRI/7UWVLP?&DUAQ8MT() MS'9#;:T_$*^1=HKC\<7R@7EXR1BXL*Y(\JQLK?
3BZ3&Y4Y.823O@MF@R@+M3E*#;(3*B_G3>I(M]:7\Z>@"*=BQP[R.1G6A/9ZSM3@Z99'6B4#)F%W;Y0^+ M1TI'3E&B_]74HXP_XD8O7AY#5SIU-YN7P# M1-Z1_:GEQ?)?)E6CV@41]_U+3#_\\
M#409$-!"L(JF2BIHMKNA,SY M_/>?,DG8E(*5]:&?5U!+)5!^ON34N2D@T^Z(B*8'0 M_B@O3][LSW7EY\?D[[EW)OM=&5Z^?!!6:K47E;O!}$UW2.$8 M^6E9B4P[Z,B2RTKQ9\G&'Z:1>J11%K@R(*
9T/J4)/&S].*8=,[<.=*NE!HE MM)L)J+ DGR:..NM(N&IM7JOC\^7R?53^T;NVN8JOOS1 :,91C?RA?DF2LGNJ M=N^5[Y? C3(.*EDSV31#D!N)$4=NV-N>@TA*I- ..3=2!>&G'<-&8M4PD6 Y
M[8F[!AE1DD"_DY\G!;M,X]4I2B!KFS:5 ?A0BC#-;6N/.NUW'+)X'@C_'0T7 MPZSIBK"0(!D?[;[0\"/,W+5][-OR[S,GR):S-@?5KP&?*[.O7%2#IC>T-Q(0*ZR*(YH,)6K>Q@=+H)W^J&B43-[% M_8?
H)\/BP3"YL-&HS4J2%+6Q.F%OW?"E2^7W"M[0Z3N1)LEF.$?D28C0%MM7 MC#=_5;-DF"D^#F;G^U0UG+C7B!+W0?YJ7+',/NB&4C0<1DD90YG+I;./BKHA
M,FW?'OE^*9K;Y21EI(EJP#CZ%PFT2PT/FN#\I(6&M[I$OE,Z2LIV;%0W&!3? M\N:KQ(B2VNJ90)0! 6L:FU9D M5N@8&38H>B]7O90K$6FEKRB0?YY8*1O=(7I(PJ*_K#"FYUR* RQJ=BRM;96
MNLR<8LU6-INY,HA-5#\%B1OTTF\E3.N[M.8VB9/-;1Y)BJ6V2M MXT(+@O[$B#*R,UO=:0=8?O2H_.+=27!KC'08QP$=:JP@WAM2]ME.]9J;8:BB[8BI,? NHW02I=-" M87D&0AUU^/PYTHDO(,Y-
I;8>2U>:HW/W0C*R!%&.&2/J9L^T*4/:%0&A9'P MYW0@RH" YD!'1[4FT9Q\C(!SCL;]DD+=+35J:BB'C9L&*2[#A*K'/[8)X >Y#GCT&>PU8LEC=W;9.*8X?EK3W;
MY;H/%LN_3"Z7/REX2SJ->4,ZY(^2B_+RY.+18^3B42/E&Z/?EHMH#R)I5T;2 M8$A$$_P6-D>P22NENW;*7X\= R)\0S5$ MV\T;Q,4YA:BT':

K&K.)73Y\Y{Y]\NA'/SY>]J29,TOTO+D??,]WA^Q\N /T]GY\RE M%>.E6,MLA-5ZFOO>>;-R\1>VS M@>81)_12N8S2TTGJ>3][^#F. ME^+XVUZ4'7?=.\A77)Z:P:K_['P9 2_<[-[9N>>O?+:.Z-DV"VW2M>^_>02 MN']IKUP7AAPG+CQIPF?V/>N77G:\['M7&3ALJ-2L6*;^,NSUO?'4'M>Y:2JQ M9.4*N?ZVVZ5S;A_Y5==NTK5W'[GISGOD@U6K];HF@WMXB4:UBN&72N=4:8NZ=H=>>7R.Y[`7C2O&[%SYM_G5_#S"/C_"3S\B1SX\Y MGU.0'"P+L^:%B09?^SGMQL/G)!W9[XOCSSUE-QPVVW(H\'P%_4#_ES:G?ZG MQ"$U?.Z<=>LW2+_+4-Y'C!RE+XT(&@@S$MPU77<[!S9NW2K#[[H;:=Y#?MVE M&^1+CCP_XG4Y>_A93FNNEKNN.\^F?+>NWK=2H :DB5#M$RC=($D#AP*$\] MJ\ZQTS>TMEZ*P=>LW4'H-ND)Z73'8CEF0GE?$9-!$$:.7'/##7+PB-.J8N%I M$$G@.A0X=_N*#U?)C;??KH1.$NHQP(6]%83A_FV/;O+T"\]'F:R5-QUP_2S# M">S>MU^NN_46$%5/Z3EPD+K%<#+,0X9= \UMD=Y'^%VIXZ"-E_K@"QX+(4'M M]9D77Y++>_66+KW[(NSP=^ 52M!=0/S54Z;J?>DP>]X"Z=PS5WKT'R0]\$R/ ME'1(E9X4E[?G78OG>P/7U3Q@ $BBNU1/FF(!<9&.XDVS2Y_C)T_*Z.(B/#,0 M<@W0'H@'9=_^*'ZGRG.GCN;-!!TMZO0IF3+]7;GK_OND6^]]/)Y\^BEY<]0HJ41K(\MM\HID^5=M+IN MN?,.V>!:<"U!BXC21^C0T2/RR)-/:@%EHG/%'Z'D>02:3CQ9N+8B-2)(S7N!> M][Y]9=B--\B>_?:ECW@"-P9_ZZK5J^7*:ZY%1>F)@D4B&!05-A[3A:=>B8>O M'F$Z=,[I)0\] EB"T.H+-@C4:YM3I\\ 0>7B>5<1D+X^G%US^DB_*X:@>3)' M[R6B-VB&2)UFM7//'GG@\<>A=?0$V0U4_UCQ6%CI)]/K@<<>DUI'JJF8.'YI M=,=+)P=A], TO(+A93F@N#1.DT;U">]/)XGKYC[3MW!LJ0N)P<>,<:3P93"R MH$ NP[W=03!**A2F:]Q-:&G>G"3Q?&]$2)2:!E >D<^\<5128-[T0GEZ#+:.Q6?A/YE"X\]:+*#)[IWJ>O](=Y M/UZ0$>AQ+&!GJ5&Z^Z1UT>/DKL>>E"6XH7T M^EMO:7=72]%VBHF146-'K\+9[:\QH1 8DB;<)"4CTC!,DV&4]>^"-<9<(*D M\.U(S:2[ACN3,'KAO0T(TJ(;PGTI-,I7WQAA@6 E<&3(WZ0X:#/1C"-&CI3+ M4:D].2IQX:AF%%+5AOH.D/+JB=$.,4EN>WB@O3W1.3+$(_T&VG'EI[_+BY\5LUT ^E[.2K6I&E>V[5(^\KG*>?]N7.AM0>5""^MK?I D$2] ;.LLM+#S6XP)Y6[2'@]71E(%QE>K(+XB^./KTDS4? MK],PI$(YT8P^V*X;Q6Q7KULGU[M6!<-HZ>+2S.4+RP?36M=*PYD^7"! >F% M<+(>#+W^>CG20#^C$:65L**QXZ0KR-5K>]T11Z;_EFW;]'ISD424;[\MER$_ M?;E3HD1\UVY(:(E+\>)Y AHE7]FWWGVWEMW;[[M7=A\X(,7CQDE>88'=V *T MB"B)#9LWR<"A0U'@\&9QF@(K,=_2+(@]$;$<9)@*,H_'7CA&XLJYC%^+SN$F MCOJLN]83%:X'M,DAUUPC"U AB73-S<8P?N(DZ98#+8W^..)A06/F=^O3.Q$6 M2A2>>L[5CF&%,,P:[N3SGBQ(JAW(A.W[=AN@=!Z8&'G;U(L>,T97WKM-339 MNQN)4U!8O%:9,WB(VG5%)20IC2XLEC.NR4ZH^]Q5.$AEG9K/UXOPV^Y32Y# M>/EWTB.W+S25?H@WI:!*3P]>Y]';ML0+PA4JM,\DO"%]6/=BL[(OXI3RK9HBZ@V/WWKWET:>>DKT'7"M#=Z=-UGI/ MG#+8M=S_XH&J/:^ VYYP(%VHI<&M')9ES5-JFRGY'>&RH6:!TDN\B0\>^# M_"\H+D'>I-?"FE6-1KB%+E"3=2W0UR'7H\!L1YASWX@)ILPASH@2)_+>^4@ M_+VMSB$MH[#X\#00WAP\P!-VHE3IR65AU381FUVO1!$V9E$20T6PI=+CP$D M2E>VLX1[[RCK1JMFXPGXM9OR&#Y.$:4^Y"7]]Q_G]0L7R&//_.LS%N\6%YY MXPT9CV;X@X\^6T-E M@-0^2KI'(KAZ^,URSX./R%T//"QW/_B0[D)"\L}$[DZSAV*"\SL?N$^>>.YD M6?'1AYI>JDWBF$E!-Z+LH7&NERACSG@C)_Z_\+O7=.10M1*2)%\X(GN17CS M77>^2>AQ]&_%%_,I"[WI8[J$\\)#*O3P^9#+XNFM17EEN MX3:D[1(EX#,M-<-.G3RE@P+'3AS73493Y7A:.7Z>[-ZW3W=NOA>)S\FWVB>" M1,N%!L@I"1SHF3G/-TDR0^JH-S.;TX-**L?+F3-GY&1MK>ZD?!I';DC<7-'G MS]3*J=K3NJ%IG=OT5*L&M,EX$['W4>,H;.KRU9^ VKMQ$ETQQA M95J43YB@UPF?5YF4GZPAYE5$E!QP87ZQ7J(^KM^T.6U:I!/6#YT^Z,3;,[UX M?!4*ERW=A=MPOXT.YB0JEC?K'#$W7RS;X/S&AYYX0LE25],@<]@TZ8)"SXFI M3<'BE2LD-T:4S 3N#ETY(;XRIW7 U#%Q:<8T;"3)DHC2:93'WD. _);W6;-M,HV392:4?S7.8$N M)5WFL6!R-03/O'BDVJ4[-\#D*O#'*$"#AUV+PLTE>^Q?&JP;U][_\&/J3Z:H M22%*$F[G7KWU6SPB&BTMJ(>19W,:?I[,C&'/V/L7OXS*ZI+1CFO%"#"FG&1%E MTC-T4MU-CD.JNWH-0H+T]RE9QI[Y*A"EOY])8A/.293LAK =HX:!*.,[<\?= MI[FA>XFE;3(2Z?'9OOVZFHI$I#L;0:-B/V5OI/^JV HKNA_/ MWU9'S"NO43(-62Y[<<1&K#OM :W\A@/8?(Y38QWJABX'R4W,&G31!G!QSPY M!11IK@H.%@:WPITJ^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI-$>?7PFV2+^\Z.>N/2)BLDI Y"E"1C MYZF@?_K"$JG%O4\^_[RNGO+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_< .:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^, F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X$PAXPP"0X=\J)_P\ \83N$:HCWZZ< MLJODN\3AA^K%GMGTFI=@V#VZSI0GZXHQHE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK.+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\V"S7 VQ^+H:428F MG >BS!S>/_],04FQ?=EOD+TDF99<5_S8T\)D:.,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]APP1SOCWB4;AUP '#+VJ MR0G'N6VI,H^?5! 5X/_"91#KWN M1MG:E])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9,P4_C$.>A#\WA+7 MKO.+@5J.D/]:ED Z#$[^N'Z4:MK[,Y%?Z?.Q:<(Z,4_.C3(7+_KC)TYJ&'S: MQA'9^ ["^[:__60[B"BZ -L"#/[6+F"ADZ_][--0MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/O035%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&(;E&KH(;*2>S=\);DZ*+_,F VA=T$0Z^[M1E:M6:UAT$)9#U'&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6JJ M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)[W#.6Y/>%/V6.S5*<,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<_-I;N#< M ZVN3,NOU;.^TA5E?G1!0?(VABE@.OHP^:\P*DDB[;0;"VZU']U<>A7&+EQ MKU,.&%8ERMA7&"\6J91N@3C1\I_TPUONW[6=ZCSOE)%$S(#P;U*@G0'PN^9 ML,#RZWQQ1NW>4V.8Y\?U]4^OW4$%&U>P4J*T-MHH1&^=1SSJL-K0A^RR9U,(=$28URL_O$1$9P<>'!*"M%HV33&T1I2RTMCB3* MR7Z$UQZ,C)G"^928XPLL76%:9??^:#JB/*F6CCAR>6=4[J*RTQX?^(9G]JV MSO+:O3?(%\K$!Q_92[]1(+CQ]-E_Z"##S7-R>0Z:X5 >>@YR Y$41YI,-U^' M+"R)<"2'+RZ\WE^GFW'=O_]?CK$TUV;WNRZPO-./W6'1)E<=(3I2L/')^(M$Z65H]9'$XB2 >*;!I(2MF=>>DE^TQV10276S&)ECHG:(Z)&I1HJH.-K_3,REJ-^EW7O)?<]]*CLWFL;H<8+5";PE68SFHXWW'Z[[7H$ MM[7"]+\(@Q8\A",6OM3P^O-T=FI.B0_[Q5C0'WKBL?.F=<1!F[CMVZ/'H.EE M4UJ4*!$N-KV?>=&V66M-+%JZS#1*5 0CRD':>KAV^"VR!YI.QG 1LKCQUXC2 M8"[&O7']U&27+@F>^+4J7:#/1@9,P6]4$&>1P)[-E'Y_7;.H,@9R!>0Y94O M@ZF2+G]3[=@R43N?WYI7K@SP!8 6%Y>$-@7QLGW\Y$DIGS!>^@\>#$6AAVY MH?W66L?8A80CNT=FM>*_3E[5!0 M4@J-DJOD6$?-?6I\F[9N<7>T'*^]]98VO>F^QA%$V1MQ6+M^O;OCPJ#91*F9 MI_9@_5&CY%==NDIW)!0_3*5JN)I-3"W/3)C89O9O0A-^XJK%+B10Y_!5\H[M>86RWVTP0/@*D DT[*ZCG.#:U'L>>0R:7D]MONB6]L@,OJ7-?Q^FILOY<1\@ MEW3K(D_TR4?CX<<="&J>VO<=XG\)?KIKMPASLJL<^R/#[O,\OP?F_=N4L& M#+U:+D73L3N(GMK6)5V[R[,O_RYMV.N%NY4'*SW)&N7B9+%EA.ZNQI%A=^!_N*8=>B1=03Y, F*EM%OAS:RSE1 M)AL1WIMBIQHJ!6:ZSW[0#]WH>E+2QHGO1 OW^LWK$-+[BVY\KKKM#5W M&=*I*\IM-XC60Y ?\RDY+.GCTIU'W*\:Y7771I\X5OB ..CJ-W<^;GP57MZ] M-,UT)RJ\<+A_@I]FE0VP>?_K+EVTE<'T[9R;*_VOO#+Z6-Z%0A.;WHE4BQ?P M3S=OEEONN%.WA6??R'G]E#R/VZ6>Q^S8I].=_2L49^9;>" 29_BMM\G+K[XN MJ];$EW!96.S$#AF!]\;(E/RG/0D)GV M](=]>H_RDQ0'W;>9Z4U?!P<&7GYUA%Q_TRVZ1)#YI'V+:?(O[7D]M]_3D.>L#I0_*,8XLO)%'H;!QR41G"2KF'7*B6$+6D0%Q27R\!-/R_6WW*KS M*^D_ZTU2F.+F-.<]T83.A3:87URU[?;@-P:?=MAT[Y<[[[Y,>R">6B5YP@]_S MX7>NLH6-X):;T>+C9M<]42YZ(XR%)25)Z]TO!)K=1\G$BL\UXX>SEBQ9(O,6 M+)"YBQ;)W)J8+'12WWG>9W#/G 4+91'2:.\^ZR[PZ1>OM$E(L>?RMLTH M. N1)AO0]. N1VI?W_,M0#Q%[-8E<> M%\+,HQ-O]OE;3YZS[,Q#7LUGG9@_3U:O79-,(LV,3VJXB9.G3LH>E*O-J"[-+?,V"2V-0U.1-BY-#$)#Z=6:\XVY'>V MPG9>OL= ^\;*9S;18J+T%2H;"=,@G/L^$UK#O[B[_&VM&$5^-!(/7O-IFRIQ M^]9W*^X/_Y(Q,W-1=R->,'W?GII37<>>8R0HX>DR1+I).ND,$S56S*YLL_3)H@*TZY_7JB M?C_JE[7PU^E-]%Z/^.4],#ZT>IW\7E&A$5@ZLFN14 .F<&"(FC'M'%&.JY3W MJO%5@:#H[//L@B\#[0O6-&#J,PWL=14)_74OK4P0B#(@H!7!EJ6.L^C #2OM M.9EUY+#\)_8+%D-+K*A4 E2B!,&8%D;RM*,W:Q\BB,>$D\)+\"Q(M1S-\<(B MN7;1(M'&+ B NP!9+^7Y&J4G2N+!U6OE8AWQ;@6BK$^CA&;\@[(*>?^06Z73 M!++*%(PU>VRU/Q;N,[:J3(O_M?!1KL?,O<[$&5 0&M#*RBUR;,ZO>?6IVB4/X+=@J.^Z:VARRJ4>ST[DA/A1RU$%VN2()%JE#RY@P1B#(@H+6A-9=$ M*;(43>2?08ML-PZD45T"$LP#@13C2.TK3C1.DZ1P4$0)DO8X\GD2:A6;ZVS6 M@H3&CI1;5BY6/^@=#&^(D2SVW@^,.GAE1EA[8+7]2.!+ND=3B?F=!-+PD2II)MEHP+[,;FR\^FE,QJD\<9I*R^&J/7&C6RE%3H-?R0,YUFG0D"408$M#*L>6E$ M^<(G&^3BPC%*3CIPXT:UM2^21*+$XLB&Q!F1IY&F$BI'ODF@49,=1#2N0/[W MU$FRY;2MN*'F:%JE"7]XY.B[[[?\Z,1Q^7N.M$,CS?KT(*=1)K1AAA=Q+!@E M_1?.D@,:@NPA09(:6R$-KSUW1B;OWR.%6S9+_J9-4KW[,UE>>RKA-W=?=_'FVS7#;' M'5$J@>(9?1;7.%VH;)S\N*!)OM5+_H)!]J412RIQ'#&;89Q";7+%XL[8KR MS4WZ[TB:YXG^4=J1E"GNO@R$;G"_RHZ,B[I?+M\LRI/7UWVLP?&DUAQ8MT[MS'9#;:T\ _$*^1=HKC\<7R@7EXR1-BXL*Y(JUB'3BZ3&Y4Y.823O@M#R+M3E*#;(3*B_G3>I(M]:7\Z>@"*=BQP[R.1G6A/9ZSM3@Z99'6B4#)F%W;Y0^+ M1TI'3E&B_]74HXP_XD8O7AY4#5SIU-YN7P# M1-Z1_:GEQ?)?)E6CV@41]_U+3#_\\M#409$-!"L(JF2BIHMQ>_/>?,DG8E(*5J:&?5U!+]5!^ON34N2D@T>Z(B*8'0 M_B@O3][LSW7EY\?D[[EW)OM=&5Z^?!!6:KE7E;O!)$UW2.$8 M^6E9B4P[Z,B2RTKQ9\G&'Z:1>J1!%X@R(*9T/J4)&S].'8=,[<.=*NE!HE MM)L]J+ DGR:..NM(N&IM7JOC\^7R?53^T;NVN8]OOS1 .,91C?RA?DF2LGNJ M=N^5[Y? C3(.*EDSV31#D!N)$4=NV-N>@TA*I- ..3=2!>&V-&4M4PD6 Y M[8F[!AE1DD"_DY\G!,M,X]4I2B!KFS:5 ?A0BC#-;6N/.NUW'+)X'@C_'0T7 MPZSIBK"0(!D?[;[0\",W+5][-OR[S,GR):S-@?5KP&?*[.O7%2#IC>T-Q(0*ZR*(YH,)6K>Q@=++H)W^J&B43-[% M_8?H)\BP3"YL-&HS4J2%+6Q.F%OW?"E2^7W"M[0ZU3N1)LEF.$?D28C0%MM7 MC#=_5;-DF"D^#F;G^U0UG+C7B!+W0?YJ7+',/NB&4C0<1DD90YG+I;./BKHA M,FW?'OE^*9K;Y21EI(EJP#CZ%PFT2PT/FN#\I(6&M[I$OE,Z2LIV;%0W&!3? M\N:KQ(B2VNJ90)0! 6L:FU9D M5N@8&38H>B]7O90K$6FEKRB0?YY8*1O=(7I(PJ*_K#"FYUR* RQJ=BRM;96MNLR<8LU6-INY,HA-5#\%B1OTTF\E3.N[M.8VB9/-;1Y)BJ6V2M MXT(+@O[$B#*R,UO=:0=8?O2H_.+=27!KC'08QP$=;JP@WAM2]ME.]9J;8:BB[8BI,? NHW02I=-" M87D&0AUU^/PYTHDO(,Y-I;8>2U>:HW/W0C*R!%&.&2/J9L^T*4/:%0&A9'P MYW0@RH" YD!'1[4FT9Q\C!SCL;]DD+=45SDF75KI4,QM#0N77056,G$5>",M1+4[&T!1HJH8*]\I*9*1.W:H'PR6!L5^U,HL[4":4=)QO*"7<*1Q]>E3TG_6 M#/EV'IJQ)5SY8P,R%U%[A$9FGWYPF_M">^2@3P=J9SKH@_#P4Q*0]B!9?HQ, M]Z!D_*#E=2@9(U>M6&J#.0Q+3(/+!/H(?OV+B>>D>7Z'YXHYTZ7]6*0K_*KW MY>,U3"=LBG?('R.7SIJI&R;;*XU$#)CC^G,V$&5 0#.AE55KDM8G=OA3C'O,M7BL9[M&F+H0$T7_>?.&\1:^M:=,;5%;9)1*E]FB0?U^0M+Y4_+R^3:K\C#_UC M$#1\%AH-D;/C9>V#HX&,J81%,H<9V GSB^O7RM^A"=U^# D3_I6[D6S?'^F[M"Y0$$0[=P(-FUTQW SHZ\LVI.=Q3LZQ$?H+POW_DH'E$?SEB[3UVJ(\\::T$ MS\M1'.MTD"QWUG3]@Q.0(C$<,4)#9P2M_/VA2-EX-PY;B-DZ-;GSJC3\40[M&YK> 0'-1%21C(JTT M.>P)RA'EGY652M51M^\YO#6?$2H2H)G,4D>9;1:B!D^%)UB_'\5C_K&C+:=6R_$1L"2,#TI X, Z6SK2/3J3FY$GY*37: MTD)HM$Q/I@O2*IU$:6C'3D6CY?%ER[2/DM\2XI]V1=#]RJ)LPZAT0D#E8:SQ<M!>8O*QFUFLVG3LK&XY_+]MK3PKUQ.*V:UW;AWC#3*IR7A!R5;-V09*MH)(QVS\5*ZK62A=YLR1?Y\Q7?YAZD3YQ_W9 M!"_*DW^=.DDJ/]NI?8..[R+X$*;.&VB+JP@301WZRD4+0=Y,5Q"?DC+3R=*0 M9ET=5$%[KPTS_:@EE\B?EN3+C-U[+&48?1RU^>W) />M.I.[KM0 C?/< M.=NDS-,M07>YC=LNR):Z.OGD]"GY%"^$K6?KM(^0G[3@\YYX>;ZI[HP_=%* M^5[QFT:6)'<."+' LJA(?E!:)+^W?*)3-J_7V9 RO;LD:3'?6L_DNJP7BJUR&K.W<21&KKZQ7F396[2 M.]*3::<$BC P/0M&R!6+ILM11AX!9])H^%UB\5=-^ E$&1"0!%8-5A?6'#OE MYA(D1_9?L4^-9A)!Y=Z=\F]3RN7WN7:[A$U1D!KQ\96AXH[-DXYL>K*).A;G MJ*SM(=I4GH"*6ED$LA@#$BF4'Q3ERW=!=.VI%=$=G>?'"LW*#*5$2=6;::S.= M=B!4$@&;\!7%\N>EI=#H;]B..YZX5<.&0>>.[&-G?X"BMH)T15$9PSW&RTI/K/I+OE>8AO PWM3P2&07GX\,(-PM'R8_R\^4O\@KD3T:/ MDC\H&B47%[\CWY_6WZ2-U+^J;Q,>D.3?7GC1GG_]&F9?7ECZV;I/FLZ2!)I MQN67U!!!?AS-[J@O$+Y<(%4+1=.?:4>B1AX5C)9_F3)>/CQ]W,**I,)[MQ;UHS_I%08^!* ,"8DA4$_P6-D>P22NENW;*7X\= R)\0S5$ MV\T;Q,4YA:BT':C9L&*2[#A*K'/[8)X >Y#GCT&>PU8LEC=W;9.*8X?EK3W;MY;H/%LN_3"Z3/REX2SJ-4,ZY(^2B_+RY.+18^3B42/E&Z/?EHMH#R)I5T;2 M&8_*CXJOJWQ EB"C?YW^GBST'QU3S0L1 .:T^+C8&6BF'5*O&Z'R#KU]M3S MAD"W<#]O9S=$G_ES\2) >C$]](7!EP'#CO2@\$-J7&8(;=/W,>KD=9(:R+1= M*<@3FN-?5I;+7^'E\$V^?/@20IK:%":ZAS0HRY<.](??("*)CH,=!Y/*X%<9 M5"4CY;M(PQYS9LG<$R^.FC']"H8#QP"408$Q,!*04DP!8F2\R!K MT?*V*3Y+CQR1GU.C*\E7HF)?H>[LH\TZ$A@J)<\KJXP$JE'9N:R.I(;*^Y]! M%/E;M^M*'<+[Q#[-3\Z: MS[O.G)$]D$-0I:@A\[Z((+2;@=1!,1?B[C0&=2OZ$9EXX(#\>0DU:X:7W0A% M$!RYZ89JR2 S-HU=OZO-SW3Q(@'JL>X) M!M->$B1*U^U"J%T@RH" M+##*8A3&'KLSK%BH3;6H-'>M7 K-[FU7J:UB=T#% MY><9VE>C&3@!1U9PU2@A7)D"[:E]>;'\",WMM[=OXW"$NJT[G[.)S)H:L90U M 3DNS'Y!-E]YSCK+ZLT!C)4G3\FP137R!R"?]J7P&X3,C7P[5$*C@M;T5PC7 MK2N6RZ2=VV31T:-2<^2H5&W?(8]]O%9Z+9PC__S>1/GYI&KYOR=/U0&:X6N6 M2MZ63;+TV+%8?R#]XV81])5A90@R Y^@D'88]AUXMO.[[X+HV$_+OD-^!B-& ME'RYZ,@TS3Q2S(X3V+G+DFG.?.F42D?(F%[A1H!IA.RHK9-_F%*-"@^M!A5:1Y^UDCN-AR/9)$L<;6<@ M5'P_904:Z+#%[MLV<.P<=#Z=ED,"8MTT[Z(P).C&$54*.!OQP=4?RO?XW1OV MC4)T,(/S&-'4 ,;/H4?)G(:.?3A@O?UM5)3\'L^

"%H!G.NI(Y(LS+CVL5X;N1.6SVC M!(F&,-WV-*A>*^@9;5E-32P4L.<_FL5^])ID>=6R&KFX>)2133E(!.1BS5$2 M$$F3) H"]V$EJ?MF+9OKL.M03D+"_;P7Q/MG!2#UA0MDWM$CVH0GSM8Y4L\$MVD&9B!'=N/F#)2!*$'1UN:[H\>FFRS!YKOV2-IU'UV+S>FRRN*9W!?MEJ_2: MICWB^:W",?+&KMBJ)":=)95+-0NS#SF/9N?#:$?:V;=U[Y/E#P+1!D0$(=J M%B0$5AYG1>U#-1"1BL]VRG=*44%1F3NROTV;?B0D+O6K<$U)TX1T>@J(LJ,; ME?X.B+++X,TZPH=-NM!F.DH1)S39HE*BX#(MZFBIH6IY#0C!X1UH@@<4T%X5(! >D4)?;W(?P<4.&NZ44CY?\"216B M^:[]76&/56H]Y3/\[*K M/L4N_'C< M:'EEXSH=",H4I'TE2Y>&BT^=>D)]RU)EIH41INPQ%D^8US!2&A>E&H3T'Q;CY M!^/E[1W)<[YD:;%<,G.Z;":):V\R.S3H,]*::8?#K*7'$)C:::=_EL9FBBXD MBP?,@2@# N) I=!*Q$JF__R!Z CP&5ESXIC\!;4O-E5=Q;8!!5>)<=2=:3A0 M05+0OC7<7Y8O?P52FGW,>BB5[G04W5=7W\A+!FU,^.>)$G^P5(V2>TH"-ZY8 M:DL+E:A-X[*^4Y*YFU\(,6)/A%7G%Y*L0#JZXP_V5 -S0W7.W%3"X9_;+[\ MA^+14K!]IY)-)B#AJW;LHO3BQD_EF^P>0)BH>:L_JC'RY4+_(7&BA%!SU":Y M,^M+@/?H#D&.*$'N?U\UT8=IT;)E+%7CFJ+JM$RS"@Z(&2TNF)*\2M&;< MHOCIS3S8O8$H P+J@ZM9JN6IQG)6]J+B_7K.--6TK'*3=$A(;!J2!" @')OD MS#XU5&9N#E$R2BZ;-EE'?XU&6)&MLEHST @O%5JO(]$ 119ZQB8Z<..*Y=:L M5,T8F[^7Z(, SGP6& ;%3#UYW5QJRWKI-OY[^#2LHI.:C@[$.KMI'9CF4/C2CI/,]I8G7,%)&VZX1S('O-YRL^:([LTY @SFO\D%@LY P.3"YN*14XX%MUK/K\5A/"!**E) M6I.;+Y%,PT@-G4UNOIR8QB1*O!B0MG]2D"?Y?F=W^ML*"09) $UFZC+:]= MJ-;'Y8NZEE%D7]U9&3Q_D5S$/1NYAID?M%(MSQ@WHD 0X=Y)]?=!\=$UQS5RW M.2S^02CJ@_>$QR: M!H?;%IV[(C\=VI?Y2 @UWQE&'1J4EK2::94E,BW2M^1 MD7[S#>TGM4 P3!H1$*6W\=HN]$2_C-*&NOZ%MG'IZ?DR8[(T@K5[^0QZ3M9\ M_W91GKRZ?:OZ19C_V44@RH")+!RNZK&@PJ;D;4XX(3$AL/F4[5RQ>SWY*+" M$;I:I-TX5&82DVJ7(*N/P8Q=!CSI@Q:/%>VUMD D:X7U_DK= =^D6SL/V.8 MTL8?^PSM"QLWR+ <*^%$M& A0$E$BRC)1LED\=J1<]MXDV8'X**+DX@^)TIW" MS'C2S"E,W>;50*,D47+4FT>2N9LET!2BY NATC8$]J/A?UB<<V L_DR#TEH(M1!D0D 17\UV]UZ/*67 :5WR#*UV-W%)7*\^L_4#^W^IRW8M1FY;0;BC?+\Z3 M?YLX09[_>(UL<]-XN"L/1V:I31K?FC]TWO%O1N!]# L#N >L^R1+/EY7*G^7G2>5!MQFPO46RCD"4 0%)<.S(R@9Q M9S!00^)' 6P]#:>@\!IE, [2KO)W;Y):EB^6.!0OESF7+I0@:SD;81T,T?@H0 M-5.0"/1*R2OF]P@)Y8.TJ]3^9*!D_6M*",=>0TD*>6[M>OIM7B.?=2#L_&>'I*1%)-("(*L!K=CM==S3)"THR-'AB:1S*N6S*X_#:^C7R+?W\ M+0F%) *B]!.T4T:-6RYTGR/XA;K%F:[882 @EF+L5G!F3EO2: 8"6 (B^V]% M"*>NN*%&B/ Y0D_O5ZJXP2EJHA.I69:8-IH_!B^H&M5:X_VVV48@RH #ZW8 MQET4FFE%"O/G!NM NZ(SEZ)$# @[V4-,C2=CD<3^Z30)A959ZX[/&FQJ83K31 M^9"\LW&HBV!+CG;?^\$RN8C-?24Q$@FTC2P5B'*B>-5>_WGR96RI=86-S+4 M1I0ZZ0EFBZ/:VT4YAI^K%\\5;@6G:[U!D+86GJ27SJ]T0FV9<>2 4"$TZ!+Y M04F!5.W= T_H#[M'S)AM!*(,"/!@)6--)UC#V1FI+)@*4@'IRJY%==,9 +DG M"0H/CD+-WA@E02R1QXW#5O24P_NDY_HP!?7>T-#1!AM&6B* M/_6*$:6M"]2=D5O2K_9TW77=4N3Q$LIVPA$&1 00U3'6-M8\3Q1:@U,$?QX MPC2R@\2O\S0RPQVMR.CC.4[=&4[LELS .T&W(!\N7;QI^3+I5,01;ZZ#)C&" M3)14W,#'>633,M&-*LJ+Y&_*2F3^_OU*A!IV1HBN1N+%$#N;HBX&:-XB,&O"3 M:];(Q05CHJE,T:JF#,0FP,-,K1*:Z=]6%,N\XTr>5D&VC$&BQ\%?]SS("408$ MQ)"H9$9BG@+U)RY:_G/$S8S:4%"B%]+B#6W31/TU\UMGKA[,H62[CG=KNV. MY2OD&\4@RJH2G?"NR_Q4LVPJ4?(9'OD,M5&GZ5&+)#&YZTILXXKE?XROE ^. M'FF_%RW0=JQY<"SGV'@H_G;IP,G#]/.A6,L@$H;4H[?Y7HD\.LQ.PT8VZ. MK/9E!?*CXCP9M7FS=F"22:=A8;,61Q NUU%S+;8N$?3-;25+W@<"'5LB_\^T:;*]CC0(M@*2,'G%.PE38N:--HTF^*'"^O;96AM;,E=_/'RE<&NF7@-HV<$[H'_M9N6;> M][W"W [:\U}5Y,O(K9NBP23E:&>.WD)91B#*@(V!G;Y^29FWL9Y+NZ[MQI M@%RGKWLP[Y.T^K8GW@1["[BIR>*"]3GW#G)VIS^ MF*9+8]S:4Y>N2%*6%SD$BY?6K9. F8@P\N-LW B9NY_3?1(B1[C9/-?-A0M! MJ*/D]TO?DFYSILF,?7O-;_6(8GVA.L=5[:./0)0! 6T,MO;<"&?EB<_E/[$) M2T*A5C:!*U _/D M>Z4@XQ(09&&Q?+.T2'XXKDA^5E$LO69,D;P=FX4KNNDN/\UQ1B?O&SW2;=57 M:6@%!*(,"&ACX'BR;M(!<$"\&TZTYQQ%-E'Y&0H0GBX/S)@HJ4FZ3U?H@ E7 MR[@5,ZJ=0E1CI:97*G\Y+E]F'G,?BD@B2H;-SLV*AH303C\KP6NTX[, "?.3 MNK,RX_/C\O:.7?+4^D_DX8J6RXN;-\FX_7MDZ:F3^JT;!5CRW)DSB\MB)([MQ#,=:(F#.6S'+",094! 6P/(0.=HGK5YB_G;M^D..OKM<-<$]QMTG$^*Z83S M&8M=]N%DNF][4-B'L(R2!EN9+[ISINF.Y\I$2GVKL@GOYZBJO:J3_J0ICF:&0)0! 6T0VD=)Q@&VGSHE MO^0'SXKSC7?*#L5PB2.V/PB9S.D),(SJ08_V1 M9D?-DLUQ&\CI""V3?9;M\\;(\)KE^KE<_6X/_-;EG7%N(D=K3@K'SXNW4A*=MZ2Z_5(NEI5U6V#WV9+81B#(@H*V!C*!<0N*Q M@0R2U^TKEDH';K=6Q<^X^@GHGOP:$3:ME5A=?R3(MJ/.6X2&.0'G16_) YDZ M5=:?<./-[EOD)";5ZCQA\0C1@SOR,D-IVJ?=8'HH_O@P;]3XZ*4$O+VS(]GZ MP1N]H"1JXNA6-DZBA ;IOYE3]+;\O+I4YASFT!&\.L?!%!*EGJC?%$^# M=DX+3XBXU4[MNOZ:9DC*4YB5O\%LQ="&5FI64_507,=-J9E^ENSC4"4 0%M M#.0'T\:XF;!]LM](0V3)R1.2,V^^?*-@I/#+C]9?Z0FQ(@W3]65RGJ3N%\FF M.R>@? M-EJUF_P5M;-(JQU%D61P'D1VV44@RH" M@:0 6E!Q[PY4+A/IGNJPRR W+C M\GGRO5(TPXNX!R3['$U3Y!)$^[HAF]6)+G'(\A1OT'.YCHG?(-DOU$\6G+> MGRT?';==@FPR3HKFED),B5-'7-Z&AŸ1[4Y%T.?:8(H/G6Q.!* ,"VAK /U3D MK-E*]K"\-@/7<==*QD5RYYS.Y=,H4^N)0)0! 6T-5"3!6$FD!0NU(X/Z MN3/ QK-G9?3V+3)XZ2+YJ[R##;X]\1[Z1GR<=BO*D/33&3H4CY6(TT[\Y>I3\ M=5&Q))HW6Y[Y&-9>OJ$-IP)-HFYLZ9P .=K2I6!* ,"VB+(5W'.HADD>1;$ MJ(UCF/WG(H@3D!7'CDK!UBWRV*<;Y*;5J^2J%8OEVE7+Y:YUJ^5W6[;(K'W[M9;_=KM"YFG1'!6[5G::EN_KU0B#*@(V!L^1%%*A5R!U3B7)#6=W".2YL15@%JIZU[DDD.U(@G3[:0;OSX(1!D0T.9 G9' M*C9*3$[SHHRG,DS4JC?Z@Q"EE.F\3=ZSID25[]^"09-"F MX"G+2!!M8L]E_A!I?4:CB0ON$%&B-M$C=W @]";>3/'GO!"(,B @H$V!&B%H MRV:>@]-(:D9AGM>\/DERTQ/>B@M&D+S' J*[W/.$.F-NX"Y6N* M0)0! 6T0$6>I@906$TJ26(§J9/4_3TTXNAO(9*)ES>8;73SUQ2!* ,"VC*4 MY3S5>4D/DJ"GO@9N SPIQF]JV.VO.@)1!@0$!#2"0)0! 0$!C2 094! 0$ C M"09! 0T C:+%'Z+? ,:.P\(^+*B+933ME:7?'CCX&0C+JVN4;96@J>Z MFZT$\?!N9=/=;(;OBT!;#W]SD,TX/Z7>FHB'M:GA[0-H$-'O=,0\]E#@/'3DF]J:LE?=GSY*"1-D M;$6%C"NOE'$53FB.GZ>S2W//6$IYA924E4O%^&I9O&R9U)[19?\(@)-,4<_] MN_;LD1JX.^7=Z?"O2DK'E6OXZ6_:,$=`7$\C8RO*]5A:5@89)^,G5,OZ3S]1 MOQHM:.ZR%@@SRH%#AV1!S6*9/FN6'@\<.NRNQ-"(LTT%&XP?K]\@,^?.D5GS MYLDGFS9EY 7#-F]AC4R?/5MFS)DK,^?,D9DH$]$Q;L;Q?2?I[#*1&?!GSOQY MLGOO/O4 ,;?K&K.)73Y\Y(Y]\NA'/SY>]29,TOTO+D??,]WA^Q\N /T]GY\RE M%>.E6,MLA-5ZFOO>>;-R\1>VS M@>81)_12N8S2TTGJ>3J[^#F. ME^+XVUZ4'!??=\A77)Z:P:K_['P9 2_<[-[9N>>O?+:.Z-DV"VW2M>^_>02 MN']IKUP7AAPG+CQIPF?V/>N77G:\I'M7&3ALJ-2L6*;^,NSUO?'4'M>Y:2JQ M9.4*N?ZVVZ5S;A_Y5==NTK5W'[GISGOD@U6K];HF@WMXB4:UBN&72N=4:8NZ=H=>>7R.Y[\'7C2O&[%SYM_ G5_#S"/C_"3S\B1SX\Y MGU.0'"P+L^:%B09?^SGMQL]/G)!W9[XOCSSUE-QPVVW(H\'P%_4# _ES:G?ZG MQ"$U?.Z<=>LW2+_+4-Y'C!RE+XT(&@@S$MPU77<[!S9NW2K#[[H;:=Y#?MVE M&^1+CCP_XG4Y>_A93FNNEKNN.\^F?+>NWK=2H :DB5#M$RC=($D#AP*$] M\ZQTS>TMEZ*P=>LW4'H-ND)Z73'8CEF0GE?$9-!$$:.7'/##7+PB-.J8N%I M$$S@.A0X=_N*#U?)C;??KH1.$NHQP(6]%83A_FV/;O+T"\]'F:R5-QUP_2S# M">S>MU^NN_46$%5/Z3EPD+K%<#+,0X9= \UMD=Y'^%VIXZ"-E_K@"QX+(4'M M]9D77Y++>_66+KW[(NSP=^ 52M!=0/S54Z;J?>DP>]X"Z=PS5WKT'R0]\$R/ ME'1(E9X4E[?G78OG>P/7U3Q@ $BBNU1/FF(!<9&.XDVS2Y_C)T_*Z.(B/#,0 M<@W0'H@'9=_^*'ZGRG.GCN;-!!TMZO0IF3+]7;GK_OND6^]J//Y\^BEY<]0HJ41K(\MM\HID^5=M+IN MN?,.V>!:<"U!BXC21^C0T2/RR)-/:@%EH6/%'Z'D>02:3CQ9N+8B-2](S7N!> M]Y]9=B--\B>_?:ECW@"-P9_ZZK5J^7*:ZY%1>F)@D4B&!05-A[3A:=>B8>O M'F$Z=,[I)0\]_EB"T.H+-@C4:YM3I\ 0>7B>5<1D+X^G%US^DB *X:@>3)' M[R6B-VB&2)UFM7//'GG@\<>A=?0$V0U4_UCQ6%CI))/K@<<>DUI'JJF8.'FJ M=,=+)P=A], TO(+A93F@N#1.DT;U">]/)XGKYC[3MW!LJ0N)P<>,<:3P93"R MH$ NP[W=03!**A2F:]Q-:&G>G"3Q?&]$2)2:!E >D<^\<5128-[T0GEZ#+:Q6?A/YE"X\j:+*#)[IWJ>O](=Y M/UZ0$>AQ+&!GJ5&Z^Z1UT>/DKL>>E"6XH7T M^EMO:7=72)%LHF146-'K\+9[:\H1 8DB;<)"4CTC!,DV&4]>^"-<9<(*D M\.U(S:2[ACN3,'KAO0T(TJ(;PGTI-,I7WQAA@6 E<&3(WZ0X:#/1C"-&CI3+ M4:D].2IQX:AF%%+5AOH.D/+JB=$.,4EN>WB@O3W1.3+$(_T&VG'E[!_+BY\5LUT ^E[.2K6I&E>V[5(^\KG*>?]N7.A M0>5""^MK?I D$2]] ;.LLM++#S6XP)Y6[2'@]71E(%BV[_0=(+XB^./KTDS4? MK],PI$(YT8P^V*X;Q6Q7KULGU[M6!<-HZ>+2S.4+RP?36M-"PYD^7''I >F% M<+(>#+W^>CG20#^C$:65L**QXZ0KR-5K>]T11Z, EFW;']ISD424;[\MER$_ M?;E3HD1\UVY(:(E+\>)Y AHE7]FWWGVWEMW;[[M7=A\X(,7CQDE>88'=V *T MB"B)#9LWR<"A0U'@\&9QF@(K,=_2+(@]$;$<9)@*,H_'7CA&XL]YC%^+SN$F MCOJLN]83%:X'M,DAUUPC"U AB73-S<8P?N(DZ98#+8W^..)A06/F=^O3.Q$6 M2A2>>5[L5CF&%,,P:[N3SGBQ(J)AW(A.W[=AN@=!Z8&'G;U(L>,T97WKM-339 MNQN)4U!8O%:9,WB(VG5%)20IC2XLEC.NR4ZH^][Q5.$AEG9K/UXOPV^Y32Y# M>/EWTB.W+S25?H@WI:]*3PJ>Y]'; ML0+PA4JM,\DO"%]6/=BL[(OXI3RK9HBZ@V/WWKWET:>>DKT'7"M#=Z=-UGI/ MG#HE=S_XH&J3/:^ VYYP(%VHI<&M')9ES5-JFRGY'>&RH6:!TDN\B0\>^# M_"\H+D'>I-?"F6-1KB%+E"3=2W0UR'7H\!L1YASWX@)ILPASH@2)_+>^4@ M_+VMSB$MH[#X\#00WAP\P!-VHE3IR65AU381FUVO1!$V9E$20T6PI=+CP$D M2E>VLX 1[[RCK1JMFXPGXM9OR&#Y.$:4^Y"7]]Q_G]0L7R&//_.LS%N\6%ŸY MXPT9CV;X@X\^H@-\+47+^BB!L945TH69QT1'(5>2A!;1[ZHA,KJH2!8N62I+ M5ZR$K(AD24SB]IF(?XXCWINWVIN+&8@PVP%R,B%9@$%>=W=5]X<.4:.'>=W]BQ\..T%UBX(\]YZK$$^73-C3=) MEUY\27BW#V#9NKW^2O$Y_%^$_)\)6W6_ 60>2JSY\V7 MV3AG/^;L^?-E)F3>DB7R9GZ>EB-?^4G(W4"R+X]X4Q9":Z ;^IP*W,%S'*FE MS%X]^'N_$6+Y; ;6;9X,WT3+PUB[L)%(-I^T*:HE;' LU(B2?8@OO/([=7?I M2BNSS2FC<6&:+D$%KEFZ3%:O65LO21+,"XJ^])E?/+;=NR2ZV^YU1&[Y8F^ M("%D^ES>,U<&7C54GGOY9:F>,@7I/4_]L[K,'<;%YX'^]?]^E&]8]([8KQ M,*(T%*+IW05$J4UO1Y148AHJ$TW%B+=C1(FXLV7:#X2^[I/D?L=2:([#D49C M*\?C)7EEG[PH;86G\!+\UA]@V=-0(N(L@X)>3\8FQVL6K!!DE3W>^%M-OF] M]]Q=K8LH,WD\/U_KQ9H-ZV7 E5=JOXROF&PF#1@Z3#Y']3/B7 M\&U^S5(9A+AWAH;-0A_U<;FT\1649A)E-Q#ET!N'RY9Z*D6Z2M88%H-4J,'I M8!K\Z(EXD+3??7^FNR-ST'<="'-1GF5ST>R)486%2,N>$?F3)"]#O%]X]74Y M71L;\6TEU)G3QY2IYY_B6088[FA>8#CR G#]KU13GXW9MOZE08 M_TQ+0!&'$B5>RE\D4?IP,NX3)D^1QY]^5IY[\25Y$IKE.R-'RX%# M!_5Z2]$BHCQQZK143.P*YH_[+LZZ-[JVO?%#+3\3P-_H2%)#ZWX M/D,;OO4\+%ZQ3/J 7+0!$'Z.?Z,OOO:ZN\.[;T6G<?5P^<_,*%?0?^1&O5. _ MG"FY*.C41/FLY:5S-W*?A&SDF2E11A*/2"IB$9Y?4P.WK7^0_N20#$"4D]^U M*1[0]J,]-\U--FK:,9R*NO/;RZV_(96BFJB8)87]C[T%#H@$"EE=-'[KCW$H/ M7FM$\+SF-F/Y43]B"^+'3L:!]HQ, I(N43)[H[B*:YV1CH%@NB+XQ19>2U%%%$ M!I%77A\AE[FFMVH5#+NF^172&2\]U>1='ICF!U)# ;Z\1X[COG).L2!B2[0'#4_D*?,G\Z<^7J M&V^051]_K/<1>,F><>WH3@C19TI#5&R+QE$=B&)DB]#2U\]/0\: M%\[SU]1S7V-H$5'2S]OOOD<'1$B4S,AN_?I)_ZNNE+4J!0C9AL]+GZF-97 J MEJQ(X7!.N&V8M)D=T?K@1HE_S0!>6#8S1B)(C(D-$K.(HC("F&_ M!QKCB-%CM/+H"'"[(335":DO00GA^>:]>_:ZN[X :+3PH_\6+VKZU/*U*\+7+[S8^PP9+ N6U.@]]ACC:V/B0 M[#]X4 Y2#K5 \/R!@P=,,#AR08Z[/D-#*7$_84Z/R$HCR-^[-:GV(IED_^KO MI!9:6UYQB?3HVT<+KK^NVJ7* +D\-T>NO.%Z6?G11_+YR9/RREMOZFHA=CUH MDX[N^J8U"GS7G!RY$YKHYFW;])E<:*QL_IEFX[6PA@=SSD-2I'B2J'3$_)K% MUL1$Q:,?2I2Y?1)-;S[BW$A-G\;@[V=24Z/D)'JM"!E#N!=>=T-LOKC]7+X MR\)%8_AV*F9LGG).XIV5@_\%# _'\YL$9>0%B9[5GSLC#G)O,"=THGRH(M[^7(EQ'OO*WW>&1*4,L+FHYQ'E!4*+B;)FZ7)44$Y%L":?DL[@@=*Y;V I M?\W5D:L(DV;IMAZYMC8 RHF^2AIHU M::!$.=A4>0TS!:0R^+KK9/@==\@-M]XBPV^[%9K8;7+#[2T7=D=P9T/#0F%US1\BY/U.0Y ,ZFW#!PZ M3.YX\"$EAX2FPHKH)D4C'ZF!<@$!IUT0G(*ETTU0$>)$>?7US2-*'A!K_";G MV8*:)3HINS6(TH,^OD2B1.6CMJU]NTB'OE=<*=?>A/R^X_:T^==TD]3R=G3_O@^97 M+C0<-"W17!HPY$IYZOGG9-V&Q,S\YA23B"AU[IZ%FZL;>,[!J6Y[])WUUJ5A MG"O67.F"@MX%I,)X\)P:PJ KA\C&S9LT')D6]$R(DN#4F4%7#=.FI18P)4DT MPY44!R%^7/K91^WB6J0N#.!IX!?CU+F%^9TJ+#_LMV<9_FV7KO+FV^]$2T3/A^O/!SBAFH3 R>ILI;$[M@@-0+[[V&K3B1.PO.$G&O"-1=G,:);7-P"U#U9J-'%56TD1VF4J+,@4 M$MEONG>3*X8-D_=F)D\;:4JAX?PQ[:.,$:6)\T\U)WN3Y0QB^+WX,*6>I[,; M G>2XTSRZHYF\-3I,:TR@W#71Y1/O_"B7H^[L>R##Z'!W"+<%(':DI(.XL87 MF':1D"095\0OE_&%N2LGV",M2LK+(XW=5\B%3J/T;E$X=W,YO>/'S11*D: MI4L7:I5:T35=?3ZFS_TY_7?XL.+35-NZ'#C+;?*T;0K7RP]+%UL3JLN6=47 M&KM/K+^6:YGC^%(0)<,(\7&-%IY$:=* \"4%Z0GR\Z+G+)\0/X7+5[AHFT3I MA)@U?[X,ON9:W:2!FML!G)E3KWG_MD7=-*#.<^*W3@^)$B8R+_(_YJ><^/&G.O;D^827Q9JZ"Z);,2Z;/,I+W(^"- MP8C21KW5+?AK1.DT2N>$KVCK-VZ2F^ZX6S4GOQZ8@S36CSQ$"Z#U>S$M.&SNN]QQU)=#R25&Z^XTYHZ[:562ILA-X".FW&^[IF MG76)X=,\A+">&:SC/=?-I]M/9CN>O!!W0D^=)>/75.I4H_-#_Z\9@L77C$ M=7_T9CWG455P/LOE;:A 2%B?(7P3\5I?).('J]>H_[Z098)4HB1Q4//E9&U. M>>C:&TUF'+4)T)=-E77'V5;-VY0\.AA)1! ZHG MRH3F7#4%$"6.ONFM_E"#@5\D)#:]N[C\;2S/ MX^?UW4.W^$+GJ#KC<4GG;C*JH$A?CLG@.;5)$]5API2I>(8KWDSK9_Z1S/\\ M2>_$!25)(N85B9)UQ*\WU_Y>F+NZ>MN%]9E=$#A2:$YWSJXIIE$WU#GVK^ON W85+FYFG;:BD'\]:7.%T9;)4KF&-/.I]^Q$R=T _7WWE;;K[S#AERW3 9K\!QE$)K9[#]C NH;!PFEQ(8*?WE.KMSWZ*/)6T-E M@-0^2KI'(KAZ^,URSX/R%T//"QW/_BO[D]"\L]$[DZ5AV*'\SL?N$^>>.Y9 M6?'1AYI>JDWBF$E!-Z+LH7&NERACSG@C)_Z_\+O7=.10M1*2)%\X(GN17CS M777+2>AQ]&_%%_,I"['WI8[J$\\)#*O3P^9#+XNFM17EEN MX3:D[1(EX#,M-<-.G3RE@P+'3AS73493Y7A:.7Z>[-ZW3W=NOA>)S\FWVB>" M1,N%!L@I"1SHF3G/-TDR0^JH-S.;TX-**L?+F3-GY&1MK>ZD?!I';DC<7-'G MS]3*J=K3NJ%IG=OT5*L&M,EX$['W4>,H;.KRU9^ VKMQ$ETQQA M95J43YB@UPF?5YF4GZPAYE5$:E!QP87ZQ7J(^KM^T.6U:I!/6#YT^Z,3;,[UX M?!4*ERW=A=MPOXT.YB0JEC?K'#$W7RS;X/S&AYYX0LE25],@<]@TZ8)"SXFI M3<'BE2LD-T:4S 3N#ETY(;XRIW7 U#%Q:<8T;"3)DHC2:93'WD.);W6;-M,HV392:4?S7.8$N M)5WFL6!R-03/O'BDVJ4[-\#D*O#'*$"#AUV+PLTE>^Q?&JP;U][_\&/J3Z:H M22%*$F[G7KWU6SP&BTMJ(>19W,;?I[,C&'/V/L7OXS*ZI+1CFO%"#"FG&1%E MTC-T4MU-CD.JNWH-0H+T]RE9QI[Y*A"EOY])8A/.293LAK =HX:!*.,[<\?= MI[FA>XFE;3(2Z?'9OOVZFHI$I#L;0:-B/V5OI/^JV HKNA_/ MWU9'S"NO43(-62Y[<<1&K#OM_:W\A@/8?(Y38QWJABX'R4W,&G31!G!QSPY M!11K)H.%@:WPIT]^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI+$>?7PFV2+^\Z.>N/2)BLDI Y"E1C MYZF@?_K"$JG%O4\^_[RNGO+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_<_:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^_ F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X3PPF'0X=\]_P_\83N$:HCWZZ< MLJODN\3AA^K%GMGTFI=@V#VZSI0GZXHQE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\"S7 VQ^+H:428F MG >BS!S>/_],04FQ? =EOD+TDF99<5_S8T_)D:,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]APP1SOCWB4;AUP '#++VJ MR0G'N6VI,H^?5!_5X/_"91#KWN M1MG:E])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9_P4L_C$:>A#\WA+7 MKO.+@5J.D/]:ED Z#$[^N'Z4:MK[,Y%?Z?.Q:<(Z,4_C3(7+_KC)TYJ&'S: MQA'9 -[^:[:__60[B"BZ -L"#/[6+F"ADZ_][--0 MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/0O35%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&(;E&KH(;*2>S=\);DZ*+ _,F VA=T$0Z^[M1E:M6:UAT$)9#U'&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6JJ M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)[W#.6Y/>%/V6.S5*^,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<_-I;N#< M ZVN3,NOU;.TA5E?Z\01?(VABE@.OHP^:\P*DDB[;0;"VZU'.U<>A7&+EQ MKU_,&%8ERMA7&"\6J91N@3C1\I_TPUONW[6=ZCSOE)%$S(#P;U*@G0'PN^9 ML,#RZWQQ1NW>4V.8Y\?U]4^OW4$%&U>P4J*T-MHH1&^=1SSJL-K0A^RR9U,(=$28URL_O$1$9P<>'!*"M%HV33&T1I2RTMCB3* MR7Z$UQZ,C)G"^928XPLL76%:9??^:#JB/*F6CCAR>6=4[J*\RTQX?^(9G]JV MSO+:O3?(%\K$!Q_92[)1(+CQ]E_Z"#*S7-R>0Z:X5 >>@YR Y$41YL-U^' M+"R)<"2'+RZ/D)'JM">[!*7+ZV^]W!+11K)H.%@:WPIT]^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI+$>?7PFV2+^\Z.>N/2)BLDI Y"E1C MYZF@?_K"$JG%O4\^_[RNGO+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_<_:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^_ F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X3PPF'0X=\]_P_\83N$:HCWZZ< MLJODN\3AA^K%GMGTFI=@V#VZSI0GZXHQE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\"S7 VQ^+H:428F MG >BS!S>/_],04FQ? =EOD+TDF99<5_S8T_)D:,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]APP1SOCWB4;AUP '#++VJ MR0G'N6VI,H^?5!_5X/_"91#KWN M1MG:E])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9_P4L_C$:>A#\WA+7 MKO.+@5J.D/]:ED Z#$[^N'Z4:MK[,Y%?Z?.Q:<(Z,4_C3(7+_KC)TYJ&'S: MQA'9 -[^:[:__60[B"BZ -L"#/[6+F"ADZ_][--0 MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/0O35%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&(;E&KH(;*2>S=\);DZ*+ _,F VA=T$0Z^[M1E:M6:UAT$)9#U'&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6JJ M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)[W#.6Y/>%/V6.S5*^,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<_-I;N#< M ZVN3,NOU;.TA5E?Z\01?(VABE@.OHP^:\P*DDB[;0;"VZU'.U<>A7&+EQ MKU_,&%8ERMA7&"\6J91N@3C1\I_TPUONW[6=ZCSOE)%$S(#P;U*@G0'PN^9 ML,#RZWQQ1NW>4V.8Y\?U]4^OW4$%&U>P4J*T-MHH1&^=1SSJL-K0A^RR9U,(=$28URL_O$1$9P<>'!*"M%HV33&T1I2RTMCB3* MR7Z$UQZ,C)G"^928XPLL76%:9??^:#JB/*F6CCAR>6=4[J*\RTQX?^(9G]JV MSO+:O3?(%\K$!Q_92[)1(+CQ]E_Z"#*S7-R>0Z:X5 >>@YR Y$41YL-U^' M+"R)<"2'+RZ/D)'JM">[!*7+ZV^]W!+11K)H.%@:WPIT]^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI+$>?7PFV2+^\Z.>N/2)BLDI Y"E1C MYZF@?_K"$JG%O4\^_[RNGO+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_<_:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^_ F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X3PPF'0X=\]_P_\83N$:HCWZZ< MLJODN\3AA^K%GMGTFI=@V#VZSI0GZXHQE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\"S7 VQ^+H:428F MG >BS!S>/_],04FQ? =EOD+TDF99<5_S8T_)D:,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]APP1SOCWB4;AUP '#++VJ MR0G'N6VI,H^?5!_5X/_"91#KWN M1MG:E])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9_P4L_C$:>A#\WA+7 MKO.+@5J.D/]:ED Z#$[^N'Z4:MK[,Y%?Z?.Q:<(Z,4_C3(7+_KC)TYJ&'S: MQA'9 -[^:[:__60[B"BZ -L"#/[6+F"ADZ_][--0 MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/0O35%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&(;E&KH(;*2>S=\);DZ*+ _,F VA=T$0Z^[M1E:M6:UAT$)9#U'&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6JJ M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)[W#.6Y/>%/V6.S5*^,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<_-I;

(1<)H1?C6S^3U&?C%SLFRN,()N#9A.C=C& MTES!HVK?<HD*Z[2%RHJ*S)7QQQ A;U_U3+YDY)1() \'?#0 M.8C4QG1.(D>4(=HDYMS$2AMPX03O@G?DGR>/E^I]G^FZ:EV&"#<]61H-\)?^ M&FBO9V>-*%_:OA$:*XC2-ZFS*:E$"8V2<6A?5BC_<>(XJ3EV5,/ T>]L@RZJ MJY$AQ0ZPET;F"$09$-"*8+UDI52"8E/;-37W0^Y8ODR^"<)K5U8$(H'V6 5" M!*FTKR:Y&.'8 N.%<72$836H:(41Q(0I&2,_$U%H4S8O\^1)7^<.,J,^BOI MO1[P"Z*D^<&U:^0;A:/A%IO>CN"R)21%A-.:W>RWI#V.Y47R VBP,P]SO+V5 MH/&WV"8HD>+MXJ;,$(@R(* 5P6K*1J81)8=/SJ#9+?+R)QODVP7Y(X0GHX< M@RQU$ 3$4@T[KGS1:38<>>8R0HX>DR1+I).ND,$S56S*YLL_3)H@*TZY_7JB M?C_JE[7PU^E-]%Z/^.4],#ZT>IW\7E&A&$5@ZLFN14 .F<&"(FC'M'%&,Y3W MJO%5@:#H[//L@B\#[0O6-&#J,PWL=14)_74OK4P0B#(@H!7!EJ6.L^C #2OM M.9EUY+#\)_8+%D-+K*A4 E2B!,&8%D;RM*,W:Q\BB,>$D\)+\"Q(M1S-\<(B MN7;1(M'&+ B NP!9+^7Y&J4G2N+!U6OE8AWQ;@6BK$^CA&;\@[(*>?^06Z73 M!++*%(PU>VRU/Q;N,[:J3(O_M?!1KL?,O<[$&5 0&M#*RBUR;,ZO>?6IVB4/X+=@J.^Z:VARRJ4>ST[DA/A1RU$%VN2()%JE#RY@P1B#(@H+6A-9=$ M*;(43>2?08ML-PZD45T"$LP#@13C2.TK3C1.DZ1P4$0)DO8X\GD2:A6;ZVS6 M@H3&CI1;5BY6/^@=&^(D2SVW@^,.GAE1EA[8+7]2.!+ND=3B?F=!-+PD2II)MEHP+[,;FR\^FE,OJD\<9I*R^&J/7&C6RE%3H-?R0,YUFG0D"408$M#*L>6E$ M^<(G&^3BPC%*3CIPXT:UM2^21*+$XLB&Q!F1IY&F$BI'ODF@49,=1#2N0/[W MU$FRY;2MN*'F:%JE"7]XY.B[[[?\Z,1Q^7N.M$,CS?KT(*=1)K1AAA=Q+!@E M_1?.D@,:@NPA09(:6R$-KSUW1B;OWR.%6S9+_J9-4KW[,UE>>RKA-W=?=_'FVS7#;' M'5$J@>(9?1;7.%VH;)S\N*!)OM5+_H)!]J412RIQ'#&;89Q'';7+%XL[8KR MS4WZ[TB:YXG^4=J1E"GNO@R$;G"_RHZ,B[I?+M\LRI/7UWVLP?&DUAQ8MT(J MS'9#;:T_.$*^1=HKC\<7R@7EXR1BXL*Y()QLK?3BZ3&Y4Y.823O@M#R@+M3E*#;(3*B_G3>I(M]:7\Z>@"*=BQP[R.1G6A/9ZSM3@Z99'6B4#)F%W;Y0^+ M1TI'3E&B_]74HXP_XD8O7AY4*5SIU-YN7P# M1-Z1_:GEQ?)?)E6CV@41]_U+3#_\\M#4I09+!"L(JF2BIHMQ>_/>?,DG8E(*5J:&?5U!+!^ON34N2D@T>Z(B*8!0 M_8@[LSW7EY\?D[[EW)OM=&5Z^?!!6:K47E,0!)$UW2,$8 M 4E9B4P[Z,B2RTKQ9\G&'Z:1>J1!%X@R(*9T/J4)/&S].^8=,[<.=*NE!HE MM)LJ)+ DGR:..NM(N&IM7JOC\^7R?53^T;NVN8JOOS1 :,91C?RA?DF2LGNJ M=N^5[Y? C3(.*EDSV31#D!N)$4=NV-N>@TA*I- ..3=2!>&G'<-&8M4PD6 YM[8F[!AE1DD" _DY\G!;M,X]4I2B!KFS:5 ?A0BC#-;6N/.NUW'+)X'@C_'0T7 MPZSIBK"0(!D?[;[0\"/,W+5][-OR[S,GR):S-@?5KP&?*[.O7%2#IC>T-Q(0*ZR*(YH,)6K>Q@=++H)W^J&B43-[% M_8?H)\/BP3"YL-&H5J2%+6Q.F%OW?"E2^7W"M[0Z3N1)LEF.$?D28C0%MM7 MC#=_5;-'DF"D^#F;G^U0UG+C7B!+W0?YJ7+',/NB&4C0<1DD90YG+I;./BKHA M,FW?'OE^*9K;Y21EI(EJP#CZ%PFT2PT/FN#\I(6&M[I$OE,Z2LIV;%0W&!3? M\N:KQ(B2VNJ90)0! 6L:FU9D M5N@8&38H>B]7O90K$6FEKRB0?YY8*1O=(7I(PJ*_K#"FYUR* RQJ=BRM;96 MNLR<8LU6-INY,HA-5#\%B1OTTF\E3.N[M.8VB9/-;1Y)BJ6V2M MXT(+@O[$B#*R,UO=:0=8?O2H_.+=27!KC'08QP$=;JP@WAM2]ME.]9J;8:BB[8BI,? NHW02I=-" M87D&0AUU^/PYTHDO(,Y-I;8>2U>:HW/W0C*R!%&.&2/J9L^T*4/:%0&A9Y'P MYW0@RH" YD!'1[4FT9Q\C(!SCL;]D1+45SDF75KI4,QM#0N77056,G$5>",M1+4[&T!1HJH8*]\I*9*1.W:H'PR6!L5^U,HL[4":4=)QO*"7<*1Q]>E3TG_6 M#/EV'IJQ)5SY8P,R%U%[A$9FGWYPF_M">^2@3P=J9SKH@_#P4Q*0]B!9?HQ,M]Z!D_*#E=2@9(U>M6&J#.0Q+3(/+!/H(?OV+B>>D>7Z'YXHYTZ7]6*0K_*KW MY>,U3"=LBG?('R.7SIJI&R;;*XU$#)CC^G,V$&5 0#.AE55KDM8G=OA3C'O,M7BL9[M&F+H0$T7_>?.&\1:^M:=,;5%;9)1*E]FB0?U^0M+Y4_+R^3:K\C#_UC M$#1\%AH-D;/C9>V#HX&,J81%,H<9V GSB^O7RM^A"=U^# D3_I6[D6S?'^F[M"Y0$$0[=P(-FUTQW SHZ\LV1.=Q3LZQ$?H+POW_DH'E$?SEB[3UVJ(\\::T$ MS\M1'.MTD"QWUG3]@J0.(C$<,4)#9P2M_/VA2-EX-PY;B-DZ-;GSJC3\4O[M&YK> 0'-1%21C(JTT M.>P)RA'EGY652M51M^\YO#6?$2H2H)G,4D>9;1:B!D^%]UB_'\5C_K&C+:=6R_$1L"2,#TI X, Z6SK2/3J3FY$GY*37: MTD)HM$Q/I@O2*IU$:6C'3D6CY?%ER[2/DM\2XI]V1=#]R)LPZAT0D#E8:SQ<M!>8O*QFUFLVG3LK&XY_+]MK3PKUQ.*V:UW;AWC#*3*IR7A!R5,-V09*MH)(QVS\5*ZK62A=YLR1?Y\Q7?YAZD3YQ_W9 M!"_*DW=-.DDJ/JNI?8..[R+X$*;<VB+JP@301WZRD4+0=Y,5Q"?DC+3R=*0 M9ET=5$%[KPTS ;@EE\B?EN3+C-U[+&48?1RU^>W) />M.I.[KM0 C?/< M.=NDS-,M07>YC=LNR):Z.OGD]"GŸ%"^$K6?KM(^0G[3@\YYX>;ZI[HP_=%* M^5[QFT:6)'<."+' LJA(?E!:)+^W?*)3-J_7V9 RO;LD:3'?6L_DN]P7BJUR&K.W<21&KKZQ7F396[2 M.]*3::<$BC P/0M&R!6+ILM11AX!9])H^%UB\5=-^ E$&1"0!%8-5A?6'#OE MYA(D1_9?L4^-9A)!Y=Z=\F]3RN7WN7:[A$U1D!KG\96AXH[-DXYL>K*).A;G MJ*SM(=I4GH"*6ED$LA@#$BF4'Q3ERW=!=.VI%=$=G>?'"LW*#5$2=6;::S.= M=B!4$@&;\!7%\N>EI=#H;])B..YZX5<.&0>>.[&-G?X"B MH)T15$9PSW&RTI/K/I+OE>8AO PWM3P2&07GX\;(-PM'R8_R\^4O\@KD3T:/ MDC\H&B47%[\CWY_6WZ2-U+^J;Q,>D.3?7GC1GG_]&F9"7ECZV;I/FLZ2!)I MQN67U!!!?AS-[J@O$+Y<(%4+1=.?:4>B1AX5C)9_F3)>/CQ]W,**I,)[MQ;UHS,I%08^!* ,"8DA4$_P6-D>P22NENW;*7X\= R)\0S5$ MV\T;Q,4YA:BT':C9L&*2[#A*K'/[8)X >Y#GCT&>PU8LEC=W;9.*8X?EK3W;MY;H/%LN_3"Z7/REX2SJ-+3,ZY(^2B_+RY.+18^3B42/E&Z/?EHMH#R)I5T;2 M&8_*CXJOJWQ EB"C?YW^GBST'QU3S0L1. :T^+C8&6BF'5*O&Z'R#KU]M3S MAD"W<#]O9S=$G_ES\2) >C$]](7!EP'#CO2@\$-J7&8(;=/W,>KD=9(:R+1= M*<@3FN-?5I;+7^'E\$V^?/@20IK:%"ZAS0HRY<.](??("*)CH,=!Y/*X%<9 MS"4CY;M(PQYS9LG<$R^.FC']"H8#QP"408$Q,!*04DP!8F2\R!K MT?*V*3Y+CQR1GU.C*\E7HF)?H>[LH\TZ$A@J)<\KJXP$JE'9N:R.I(;*^Y]! M%/E;M^M*'<+[Q#[-3\Z: MS[O.G)$]D$-0I:@A\[Z((+2;@=1!,1?B[C0&=2OZ$9EXX(#\>0DU:X:7W0A% M$!RYZ89JR2 S-HU=OZO-SW3Q@('JL>X) M!M->$B1*U^U"J%T@RH" M+#*8A3&'KLSK%BH3;6H'-)>M7 K-[FU7J:UB=T#% MY><9VE>C&3@!1U9PU2@A7)D"[:E>;'\",WMM[=OXW"$NJT[G[.)S)H:L90U M 3DNS'Y!-E]YSCK+ZLT!C)4G3\FP137R!R"?]J7P&X3,C7P[5$*C@M;T5PC7 MK2N6RZ2=VV31T:-2<^2H5&W?(8]]O%9Z+9PC__S>1/GYI&KYOR=/U0&:X6N6 M2MZ63;+TV+%8?R#]XV81)5A90@R Y^@D'88]AUXMO.[[X+HV$_+OD-^!B-& ME'RYZ,@TS3Q2S)X3V+G+DFG.?.F42D?(F%[A1H!IA.RHK9- F%*-"@^M1:5:1Y^UDCN-AR/9$!<;6<@ M5'P_904=Z:+#% [MLV<.P<=#Z=ED,"8MTT[Z(P).C&$54*.!OQP=4?RO?XW1OV MC4)T,(/S&-'4_.;H4?)G(.:?3A@O?UM5)3\L*)1OCADI[4$J.K6G#,^P7[6D M0#KEO27?!_G_#(3;=^%<&0_"L:_:P&=J62 3Z[_,##I_%''@'T-.[7GXLL76 M7.:$=/8A:K\K-7%[V:CV#7,'O& HT=)(7.,J'R50/^"%-.]82:T4X1]7(/_T M[F19>.*X)5V$I 1-0*TM;,Q;YK37)/DY-CW77R-Y(A!E0$ /28_-$X$$P%28F5'155FXFL_#R2-"%H!G.NI(Y(LS+CVL5X;N1.6SVC M!(F&,-WV-*A>*@9;5E-32P4L.<_FL5^])ID>=6R&KFX>)2133E(!.1BS5$2 M$$F3) H"]V$2]MF+9OKL.M03D+"_;P7Q/MG!2#UA0MDWM$CVH0GSM8Y4L\$MVD&9B!'=N/F#)2!*$'1UN:I6\>FFRS!KFOX1R*F8W!?MEJ_2: MICWB^:W",?+&KBMJ"):=)95+-0NS#SF/9N?#:$?:V;=U[Y/E#P+1!D0$(=JM%B0$5AYG1>U#-1"1BL]VRG=*44%1F3NROTV;?B0D+O6K<$U)TX1T>@J(LJ,; ME?X.B++X,TZPH=-NM!F.DH1)S39HE*BX#(MZFBIH6IY#0C!X1UH@@<4T%X5(! >D4)?;W(?P<4.&NZ44CY?\"216B M^:[]J76&/56H]Y3\[*K M/L4N_'C< M:'EEXSH=",H4I'TE2Y>&BT^>)]RU)EIH41INPQ%D^8US!2&A>E&H3T'Q;CY M!^/E[1W)<6K(]YD:;%<,G.Z.":):V\R.S3H,]*':8?#K*7'$)C::=_EL9FBBXD MBP?,@2@# N) I=!*Q$JF__R!Z CP&5ESXIC\!;4O-E5=Q;8!!5>)<=2=:3A0 M05+0OC7<7Y8O?P52FGW,>BB5[G04W5=7W\A+!FU,^.>)$G^P5(V2>TH"-ZY8 M:DL+E:A-X[*^4Y*YFU\(,6)/A%7G%Y*L0#JZXP_V5 -S0W7.W%3"X9_;+[\ MA^+14K!]IY)-)B#AJW;LHO3BQD_EF^P>0)BH>:L_JC'RY4+_(7&BA%!SU":Y M,^M+@/?H#D&.*$'N?U\U7E8=IT;)E+%7CFJ+JM$RS"@Z(&2TNF)*\2M&;< MHOCIS3S8O8$H P+J@ZM9JN6IQG)6I]+B_7K.--6TK'*3=$A(;!J2!" @')OD MS#XU5&9N#E$R2BZ;-EE'?XU&6)&MLEHST @O%5JO(]$ 119ZQB8Z<..*Y=:L M5,T8F[^7Z(, SGP6& ;%3#UYW5OJRWKI-OY[^#2LHI.:C@[$.KMI'9CF4/C2CI/,]I8G7,%)&VZX1S('O-YRL^:([LTY @SFO\D%@LY P.3"YN*14XX%MUK/K\5A/"!**E) M6I.;+Y%,PT@-G4UNOIR8QB1*O!B0MG]2D"?Y?F=W^ML*"09) $UFZC+:]= MJ-;'Y8NZEE%D7]U9&3Q_D5S$/1NYAID?M%(MS@WHD 0X=Y)]?=!\=$UQS5RW M.2S^02CJ@_>$QR:M!H?;%IV[(C\=VI?Y2 @UWQE&'1J4EK2::94E,BW2M^1 MD7[S#>TGM4 P3!H1$*6W\=HN]S2_C-\&NOZ%MG'Z(DR8[(T@K5[^0Q?3M9\ M_W91GKRZ?:OZ19C_V44@RH")+!RNZK&@PJ;D;4XX(3$AL/F4[5RQ>SWY*+" M$;I:I-TX5&82DVJ7(*N/P8Q=!CSI@Q:/%>VUMD D:X7U_DK= =^D6SL/V.8 MTL8?^PSM"QLWR+<*^%$M&_A0$E$BRC)1LED\=J1<]MXDV8'X**+DX@^)TIW" MS'C2S"E,W>;50*,D47+4FT>2N9LET!2BY NATC8$]J/A?UB<+V_L_DR#TEH(M1!D0D 17\UV]UZ/*67 :5WR#*UV-W%)7*\^L_4#^W^IRW8M1FY;0;BC?+\Z3 M?YLX09[>(UL<]-XN'L/1<I31K?FCJTWO%O1N!]# L#N >L^R1+/EY7^G^7G2>5!MQFPO46RCD"4 0%)<.S(R@9Q M9S!00^)' 6P]#:>@\!IE,[2KO)W;Y):EB^6:!0OESF7+I0@:SD;81T,T?@H0 M-5.0"/1*R2OF]P@)Y8.TJ]3^9*!D_6M*",=>0TD*>6[M>OIM7B.?=2#L_&>'I*1%)-("(*L!K=CM==S3)"THR-'AB:1S*N6S*X_#:^C7R+?W\M+0F%) *B]!.T4T:-6RYTGR/XA;K%F:[882 @EF+L5G!F3EO2:_8"6 (B^V]% M"*>NN*%&B/ Y0D_O5ZJXP2EJHA.I69:8-IH_!B^H&M5:X_VVV48@RH #ZW8 MQET4FFE%"O/G!NM_TSEZ)$#_@[V4-,C2=CD<3^Z30)4959ZX[/&FOJ83K31 M^9"\LW&HBV!+CG;?^\$RN8C-?24Q$@F)TC2P5B'*B>-5>_WGR96RI=86-S+4 M1I0ZZ0FBF2/:VT4YAI^K%\\5;@6G:[U!D+86GJ27SJ]T0FV9<>24"$TZ!+Y M04F!5.W= T_H#[M'S)AM!*(,"/!@)6--)UC#V1FI+)@*4@'IRJY%==,9_+DG M"0H/CD+-WA@E02R1QXW#5O24P_NDY_HP!?7>T-#1!AM&6B*M/_6*$:6M"'J2=D5O2K_9TW77=4N3Q$LIVPA$&1 00U3'6-M8\3Q1:@U,$?QX MPC2R@\2O\S0RPQVMR/CC.4[=&4[LELS .T&W(!\N7;QI^3+I5,01;ZZ#)C&* M3)14W,#'>633,M&-*LJ+Y&_*2F3^_OU*A!IV1HK]N+%S#N;HBX&:-XB,&O"3 M:],(OCS CHJE,T:JF#,0FP,-,K1*:Z=]6%,N\XT>5D&VC&$BQ\%?]SS("4085MQ)"H9$9BG@+U)RY:._G/$S8S:4%"B%]+B#6W31/TU\UMGKA[,H62[CG=KNV. MY2ODX&\4@RJH2G?"NR_Q4LVPJ4?(9'OD,M5&GZ5&+)#&YZTILXXKE?XROE ^. M'FF_%RW0=JQY<"SGV'@H_G;IP,G#]/.A6,L@$H;4H[?Y7HD\.LQ.PT8VZ. MK/9E!?*CXCP9M7FS=F"22:=A8;,61Q NUU%S+;8N$?3-;25+W@<"'5LB_\"T:;*]CC0(M@*2,'G%.PE38N:--HTF^*"^O;96AM;,E=_/'RE<&NF7@-HV<$[H'_M9N6;> M][W"W [:\U]5Y,O(K9NBP23E:&>.WD)91B#*@(V!G;Y^29FWL9/Y+NZ[MQI M@%RGKWLP[Y.T^K8GW@1["[BIR>*"J3GW#G)VIS^MF*9+8]S:4Y>N2%*6%SD$BY?6K9._F8@P\N-LW B9NY_3?1(B1[C9/-?-A0M! MJ*/D]TO?DFYSILF,?7O-;_6(8GVA.L=5[:./0)0! 6T,MO;<"&?EB<_E/[$) M2T*A5C:!*U _/D M>Z4@XQ(09&&Q?+.T2'XXKDA^5E$LO69,D;P=FX4KNNDN\UQ1B?O&SW2;=57 M:6@%!*(,"&ACX'BR;M(!<$"'&TZTYQQ%-E'Y&0H0GBX(S)@HJ4FZ3U?H@ E7 MR[@5,ZJ=0E1CI:97*6Y<97*G\Y+E]F'G,?BD@B2H;-SLV*AH303C\KP6NTX[, "?.3 MNK,RX_/C\O:.7?+4^D_DX8]6RXN;-\FX_7MDZ:F3^JT;!5CRW)DSB\MB)((MQ#,=:(F#.6S'+",094! 6P/(0.=HGK5YB_G;M^D..OKM<-<$]QMTG$^Z*Z83S M&8M=JN%DNF][4-B'L(R2!EN9+[ISINF.Y\I$2GVKL@GOYZBJO:J3_J0ICF:&0)0! 6T0VD=)Q@&VGSHE MO^0'SXKSC7?*#L5PB2.V/PB9S.D),(SJ08_V1 M9D?-DLUQ&\CI""V3?9;M\;(\)KE^KE<_6X/_-;EG7%N(D=K3@K'SXNW4A*=MZ2C_5(NEI5U6V#WV9+81B#(@H*V!C*!<0N*Q M@0R2U^TKEDH';K=6Q<^X^@GHGOP:$3:ME5A=?R3(MJ/.6X2&.0'G16_)YDZ M5=:?<./-[EOD)";5ZCQA\0C1@SOR,D-IVJ?=8'HH_O@P;]3XZ*4$O+VS(JGZ MP1N]H*1JXNA6-DZBA ;IOYE3]+;\O+I4YASFT!&\.L?!%!*EGJC?%$^ M=DX+3XBXU4[MNOZ:9DC*4YB5O\%LQ="&5FI64_507,=-J9E^ENSC4^4 0%M M#.0'T\:XF;!]LM](0V3]R1.2,V^^?*-@I/#+C]9?Z0FQ'@W3]65RGJ3N%\FF M.R>@? M-EJUF_P5M;-(JQU%D61P'D1VV44@RH" M@:0 6E!Q[PY4+A/IGNJPRR W+C M\GGRO5(TPXNX!R3['$U3Y!)$^[HAF]6)+G'(\A1OT'.YCHG?(-DOU$\6G+> MGRT?';==@FPR3HKFED),B5-'7-Z&AŸ1[4Y%T.?:8(H/G6Q.!* ,"VAK /U3D MK-E*K"K-@/7<===*QD5RYYS=,H4^N)0)0! 6T-5'3!6$FD!0NU(X/Z MN3/ QK-G9?3V+3)XZ2+Y[R##;X]\1[Z1GR<=BO*D/33&3H4CY6(TT[\Y>I3\ M=5&Q])HW6Y[Y&-9>O]$-IP)-HFYLZ9P .=K2I6!* ,"VB+(5W'.HADD>1;$ MJ(UCF/WG(H@3D!7'CDK!UBWRV*<;Y*;5]^2J%8OEVE7+Y:YUJ^5W6[;(K'W[M9; _=KM"YFG1'!6[5G::EN_KU0B#*@(V!L^1%%*A5R!U3B7)#6=W".2YL15@%JIZUDDD.U(@G3[:0;OSX(1!D0T.9 G9' M*C9^3$[SHHRG9,DS4JC?Z@Q"EE.F\3=ZSID25[)"09-"F MX"G+2!!M8L]E_A!I?4:CB0ON$%&B-M$C=W@]";>3/'GO!",B @H$V!&B%H MRV:>@]-(:D9AGM>\/DERTQ/>B@M&D+S'_J*[W/.$.F-NX"Y6N* M0)0! 6T0$6>I@906$T]J26($J9/4_3TTXNAO(9*)ES>8;73SUQ2!*,"VC*4 MY3S5>4D/DJ"GO@9N SPIQF]JV.VO.@)1!@0$!#2"0)0! 0$!C2 094! 0$ C M"09! 0T C:+%'Z+?)79,:.P\(^+*B+933ME:7?'CCX&0C+JVN4;96@)>Z MFZT$\?!N9=/=;(;OBT!;#W]SD,TX\Z7>FHB'M:GA]O M5_H-'O=,0\]E#@/'3DFJ]:LE?=GSY'*1-D M;$6%C"NOE'$53FB.GZ>S2W//$1Q9A924E4O%^&I9O&R9U)[19?\(@-,4<_] MN ;LD1JX.^7=Z?"O2DK'E6OXG6 ;,$=''7$\C8RO*]5A:5@89)<S),/OZ3S]1 MOQHM:.ZR%@@SRH%#AV1!S6*9/FN6'@\<.NRNQ-"(LTT%&XP?K]\@,^?.D5GS MYLDGFS9EY 7#-F]AC4R?/5MFS)DK,^?,D9DH$]$Q;L;Q?2?I[#*1&?!GSOQY MLGOO/O4 ;? K&K.)73Y\Y(Y]\NA'/SY>J29,TOTO+D??,]WA^Q\N /T]GY\RE M%>.E6,MLA-5ZFOO>>;-R\1>VS M@>81)_12N8S2TTGJ>3J[^#F. ME^+XVUZ4')7?=.\A77)Z:P:K_['P9 2_<[-[9N>>O?+:.Z-DV"VW2M>^_>02 MN']IKUP7AAPG+CQIPF'V/>N77G:\!'M7&3ALJ-2L6*;^,NSUO?'4'M9:Y:2JQ M9.4*N?ZVVZSS;A_Y5==NTK5W'[GISGOD@U6K];HF@W MXB4:UBN&72N=4:8NZ=H=>>7R.Y['7C2O&[%SYM_ G5_#S"/C_"3S\B1SX\Y MGU.0'"P+L^:%B09?^SGMQL/G)!W9[XOCSSUE-QPVVW(H\'P& 4#_ES:G?ZG MQ"$U?.Z<=>LW2+_+4-Y'C!RE+XT(&@@S$MPU77<[!S9NW2K#[[H;:=Y#?MVE M&^I+CCP_XG4Y>_A93FNNEKNN,\'F?+>NWK=2H :DB5#M$RC=($@#AP*\] M\ZQTS>TMEZ*P=>LW4'H-ND)Z73'8CEF0GE?$9-!$$:.7'/##7+PB-.J8N%! M$$G@.A0X=_N*#U?)C;??KH1.$NHQP(6]%83A_FV/;O+T"\]'F:R5-QUP_2S# M">S>MU^NN_46$%5/Z3EPD+K%<#+,0X9= \UMD=Y'^%VIXZ"-E_K@"QX+(4'M M]9D77Y++>_66+KW[(NSP=^ 52M!=0/S54Z;J?>DP>]X"Z=PS5WKT'R0]\$R/ ME'1(E9X4E[?G78OG>P/7U3Q@ $BBNU1/FF(!<9&.XDVS2Y_C)T_*Z.(B/#,0 M<@W0'H@'9=_^*'ZGRG.GCN;-!!TMZO0IF3+]7;GK_OND6^]]/)Y\^BEY<]0HJ41K(\MM\HID^5=M+IN MN?,.V>!:<"!UBXC21^C0T2/RR)-/:@%EH6/%'Z'D>02:3CQ9N+8B-2)(S7N!> M][Y]9=B-\B>_?:ECW@"-P9_ZZK5J^7*:ZY%1>F)@D4B&!05-A[3A:=>B8>O M'F$Z=,[I)0\]_EB"T.H+-@C4:YM3I\ 0>7B>5<1D+X^G%US^DB_*X:@>3)" M[R6B-VB&2)UFM7//'GG@\<>A=?0$V0U4_UCQ6%CI))/K@<<>DUI'JJF8.'FJ M=,=+)P=A], TO(+A93F@N#1.DT;U">]/)XGKYC[3MW!LJ0N)P<>,<:3P93"R MH$ NP[W=03!*"A2F:]Q-:&G>G"3Q?&]$2)2:!E >D<^\<5128-[T0GEZ#+:Q6?A/YE"X\j:+*#)[IWJ>O](=Y M/UZ0$>AQ+&!GJ5&Z^Z1UT>/DKL>>E"6XH7T M^EMO:7=72]%LHF146-'K\+9[:QH1 8DB;<)"4CTC!,DV&4]>^*D-<9<(*D M\.U(S:2[ACN3,'KAO0T(T(;PGTI-,I7WQAA6@ E<&3(WZ0X:#/1C*-&CI3+ M4:D].2IQX:AF%%+5AOH.D/+JB=$.,4EN>WB@0W1.3+$(_T&VG'E[! _+BY\5LUT ^E[.2K6I&E>V[5(^\KG*>?]N7.A M0>5""^MK?! D$2]] ;.LLM+#S6XP)Y6[2'@]71E(%BV[_0=(+XB^./KTDS4? MK],PI$(YT8P^V*X;Q6Q7KULGU[M6!<-HZ>+2S.4+RP?36M-"PYD^7"! >F% M<+(>#+W^>CG20#^C$:65L**QXZ0KR-5K>]T11Z_EFW;]'ISD424;[\MER$_ M?;E3HD1\UVY(:(E+\>)Y AHE7]FWWGVWEMW;[[M7=A\X(,7CQDE>88'=V *T MB"B)#9LWR<"A0U'@\&9QF@(K,=_2+(@$|$;$<9)@*,H_'7CA&XL]YC%^-+SN$F MCOJLN]83%:X'M,DAUUPC"U AB73-S<8P?N(DZ98#+8W^..)A06/F=^O3.Q&6 M2A2>>L[5CF&%,,P:[N3SGBQ)AW(A.W[=AN@=!Z8&'G;U(L>,T97WKM-339 MNQN)4U!8O%:9,WB(VG5%)20IC2XLEC.NR4ZH^]Q5.$AEG9K/UXOPV^Y32Y# M>/EWTB.W+S25?H@WI:]*3PJ>Y]';ML0+PA4JM,\DO"%]6/=BL[(OXI3RK9HBZ@V/WWKWET:>>DKT'7"M#=Z=-UGI/ MG#HE=S_XH&J3/:^ VYYP(%VHI<&M')9ES5-JFRGY')>&RH6:!TDN\B0\>^# M_"\H+D'>I-?"F6-1KB%+E"3=2W0UR'H\!L1YASWX@)ILPASH@2)_+>^4@ M_+VMSB$MH[#X\#00WAP\/P!-VHE3IR65AU381FUVO1!$V9E$20T6PI=+CP$D M2E>VLX1[[RCK1JMFXPGXM9OR&#Y.$:4^Y'7]]Q_G]0L7R&//_.LS%N\6%ŸY MXPT9CV;X@X\^H@-\+47+^BB!L945TH69QT1'(5>2A!;1[ZHA,KJH2!8N62I+ M5ZR$K(AD24SB]IF(?XXCWINWVIN+&8@PVP%R,B%9@Y=>W=5]X<.4:.'>=N]BQ]\..T\UBX(\]YZK$$*73-C3=) MEUY\27BW<43!)) EX K-F6G\0Y7#9NKW^2O$Y_%^$_)\)[6W6_ 60>2JSY\V7 MV3AG/^;L^?-E)F3>DB7R9GZ>EB-?^4G(W4"R+X]X4Q9":Z ;^IP*W,%S'*FE MS%X]^'N_$6+Y; ;6;9X,WT3+PUB[L)%(-I^T*:HE;_U(B2?8@OO/([=7?I M2BNSS2FC<6&:+D$%KEFZ3%:O65LO21+,"XJ^])E?/+;=NR2ZV^YU1&[Y8F^ M('%D^ES>,U<&7C54GGOY9:F>,@7I/4_]L[K",I<^;%YX'^]?]^E&]8](8KQ M,*(T%*+IW05$J4UO1Y148AHJ$TW%B+=C1(FXLV7:#X2^[I/D?L=2:([#D49C M*\?C)7EEG[PH;86G\!+\UA]@V=-0(N(L@X)>3\8FQVL6K!!DE3W>^%M-OF] MQ=K8LH,WD\/U_KQ9H-ZV7 E5=]OXROF&PF#1@Z3#Y']3/B7 M\&U^S5(9A+AWAH;-0A_U<;FT\1649A)E-Q#ET!N'RY9Z*D6Z2M88%H-4J,'I M8!K\Z(EXD+3??7^FNR-ST'<="'-1GF5ST>R)486%2,N>$?F3)"]#O%]X]74Y M71L;\6TEU)G3QY2IYY_B6088[FA>8#CR G#]KU13GXW9MOZE08M_TQ+0!&'$B5>RE\D4?IP,NX3)D^1QY]^5IY[\25Y$IKE.R-'RX%# M!_5Z2]$BHCQQZK143.P*YH_[+LZZ-[JVO?%#+3\3P-_H2%)#ZWX MD/,;OO4\+%ZQ3/J 7+0C'Z3 L'?.Z2,OOO:ZN\.[;T6G<?5P^<_,*%?0?^L6O5. _ MG"FY*.X?A&SDF2E11A*/2"B9Y?4P.WK7^0_N20#$"4D]^U M*1[)]_]-\U--FK:,9R*NO/;RX)P:PJ KA\C&S9LT)D6]$R(DN#4F4%7#=.FI18P4DT MPY44!R%^7/K91^WB6J0N#.!IX!?CU+F%^9TJ+#_LMV<9_FV7KO+FV^]$2T3/A^O/!SBAFH3 R>ILI;$[M@@-0+[[V&K3B1.PO.$G&O"-1=G,:);?-P"U!YD6]*%'56TD1VF4J+,@4M$MEONG>3*X8-D_=F)D\;-4JAX?PQ[..,$:6)\T\U)WN3Y0QB^+WX,*6>I[,; M G>2XTSRZHYF\-3I,:TR@W#71Y1/O_"B7H^[L>R##Z'!W"+<%('>DI(.XL87 MF':1D"095\0OE_&%N2LGV",M2LK+(XW=5\B%3J/T;E$X7W-H,YO>/'S11*D: MI4L7:I5:T35=?3ZFS_TY_7?XL)+35-NZ'#C+;?*T;0K7RP]+%UL3JLN6*37 M&KM/K+^6YGC^%(0)<,(\7&-%IY$:=* \"4%Z0GR\Z+G+)\0/X7+5[AHFT3IMA)@U?[X,ON9:W:2!FML!G)E3K3WG_MD7=-*#.<^*W3@^)$B8R+(_YJ><^/&G.O;D^827Q9JZ"Z);;2Z;/,I+W(^"- MP8C21KW5+?AK1.DT2N>$KVCK-VZ2F^ZX6S4GOQZ8@S36CSQ$"Z#U>S$M.&SNN]QQU)=#R25&Z^XTYHZ[:562ILA-X".FW&^[IF MG76)X=,\A+">&:SC/=?-I]M/9CN>O!!W0D^=)>/75.I4H_-#_Z\9@L77C$M=7_T9CWG455P/LOE;:A 2%B?(7P3\5I?).('J>H_[Z098)4HB1Q4//E9&U. M>>C:&TUF'+4)T)=-E77'V5;-VY0\,AA)1' ZHG MRH3F?4%$"6.ONFM_E"#@5\D)#:]N[C\;2S/ MX?UW4.W^$+GJ#KC<4GG;C*J%$A?CLG@.;5)$J5API2I>(8KWDSK9_Z1S/\ M2>_$!25)(N85B9)UQ*WU.Y>F+NZ>MN%]9E=$#A2:$YWSJXIIE$WU#GVK^ON M5+FYFG;:BD'\]:7.%T9;)4KF&-/.I]^Q$R=T _7WWE;;K[S#AERW3 9K\!QE$)K9[#]C NH;!PFEQ(8*?WE.KMSWZ*/)6T-E M@-0^2KI'(KAZ^,URSX./R%T//"QW/_B0[D)"\L}$[DZ5AV*"\SL?N$^>>.Y9 M6?'1AYI>JDWBF$E!-Z+LH7&NERACSG@C)_Z_\+O7=.10M1*2)%\X(GN17CS M77>^2>AQ]&_%%_,I"[WI8[J\\)#*O3P^9#+XNFM17EEN MX3:D[1(EX#,M-<-.G3RE@P+'3AS73493Y7A:..7Z>[-ZW3W=NOA>)S\FWVB>" M1,N%!L@I"1SHF3G/-TDR0^JH-S.;TX-**L?+F3-GY&1MK>ZD?!I';DC<7-'G MS]3*]=K3NJ%IG=OT5*L&M,EX$['W4>,H;.KRU9^ VKMQ$ETQQA M95J43YB@UPF?5YF4GZPAYE5$E!QP87ZQ7J(^KM^T.6U:I!/6#YT^Z,3;,[UX M?!4*ERW=A=MPOXT.YB0JEC?K'#$W7RS;X/S&AYYX0LE25],@<]@TZ8)"SXFI M3<'BE2LD-T:4S 3N#ETY(;XRIW7 U#%Q:<8T;"3)DHC2:93'WD.);W6;-M,HV392:4?S7.8$N M)5WFL6!R-03/O'BDVJ4[-\#D^O#'*$"#AUV+PLTE>^Q?&JP;U]L \&/J3Z:H M22%*$F[G7KWU6SP&BTMJ(>19W,:?I[,C&'/V/L7OXS*ZI+1CFO%"#"FG&1%E MTC-T4MU-CD.JNWHP-W

MWU9'S"NO43(-62Y[]<<1&K#OM_:W\A@/8?(Y38QWJABX'R4W,&G31!G!QSPY M!11IK)H.%@:WPITJ^?V//*Z=O_Y-1O,-M]PNI^N=GW8^EJ!IHRMSN*V7(TJN
M*ZZHHXS0@(>95C(C2M=/E@6B-/ D M42&(UB-*W.WBR>Z(EUY]35>XZ&@WTI-$>?7PFV2+^\Z.>N/2)BLDI Y"E"1C MYZF@?
_K"$JG%O4\^_[RNGO+EW/(\5YY^Z24YX\+%7WT1\SR=FYF"S\8E ^A@ M3A]'E"B3+!_<_:E)9:(1Q-=Z!J+DSNYZ#PE+B2=+1!D'G?,2!\^1'/3/]RUS M#T[;=@Y-6I"$ICO[Z&U38JM?^=7!@@?
5A]^=YH9>&]/GY<-VK0+>B902A W-69RPZ;I%&N^, F ?4(WQ>R&)TOSBJ_2%5U]5 MC5+C N'JJ:MOO$FV[[*FMY)5K"LBJXC%X3PPF"0X=\J)_P_\83N$:HCWZZ< MLJODN\3AA^K%G
MGTFI=@V#VZSI0GZXHQHE"B%7%CW]XDN1.SRV1GPR=3-^WU=)H^3APA(EX!Z@ MC]SHED3I\UTK.+2T#]:X;W%Y67N[LRPX9-FW1^)B>Y>\V"S7 VQ^+H:428F MG >BS!S>/_],04FQ?
=EOD+TDF99<5_S8T_)D:,M_VQ 8Z@O[!9&7"79H07% MO3Q)?/R.-;,OU]F4J9,2-KPB6*59,GRPNOO2I]APP1SOCWB4;AUP '#+VJ MR0G'N6VI,H^?5!_5X/_"91#KWN M1MG:E
])N6A:W/AK1.#C:+L4(1_@%_U0HN1^E/ZS(O9@9,P4_C$.>A#\WA+7 MKO.+@5J.D/]:ED Z#S[^N'Z4:MK[,Y%?Z?.Q:<(Z,4,_C3(7+_KC)TYJ&'S: MQA'9^ ["^[:__60[B"BZ -L"#/[6+F"ADZ_][--0
MSII2=BGX>X?=&X<;K9BR=*W5B%'Q?;WK*O,,9!HN1+3;N< M6$^1;WWY<;&V1)2<+$ULV+A)KM5/0O35%33Z>=HL"+^XQN60W&>1R[GXS6 2 M!3.&PGNX)) 91M27N?5A.IKQW"&
(;E&KH(;*2>S=\);DZ*+_,F VA=T$0Z^[M1E:M6:UAT$)9#U'&2?3EUUZ'1FF?@F"A89@OR^TE3[4F43J_N7L0IW[XI6JJ M?>.%0HVR29\F==&T ^.6/,^3'P;C>F:N[E"BQ,N+1#G)
[W#.6Y/>%/V6.S5*^,6\Y\O EASVT7*GG\)-DX=-$2N__!BZ2O=E).G3J<-?V1'@Q.?/I_MVR=W/_R0CH*KYD:RY,O=Y0?3B[NV<_-I;N#< M ZVN3,NOU;.^TA5E?G1!0?
(VABE@.OHP^:\P*DDB[;0;"VZU]'.U<>A7&+EQ MKU,.&%8ERMA7&"\$6J91N@3C1\I_TPUONW[6=ZCSOE)%$S(#P;U*@G0'PN^9 ML,#RZWQQ1NW>4V.8Y\?U]4^OW4$%&U>P4J*T-
MHH1&^=1SS]L-K0A^RR9U,(=$28URL_O$1$9P<>'!*"M%HV33&T1I2RTMCB3* MR7Z$UQZ,C)G"^928XPLL76%:9??^:#JB/*F6CCAR>6=4[J*\RTQX?^(9G]]V MSO+:O3?(%\K$!Q_92[)1(+CQ]-
E_Z"#*S7-R>0Z:X5 >>@YR Y$41YI,-U^' M+"R)<"2'+RZ\WE^GFW'=O_].?CK$TUV;WNRZPO-,/W6'1)E-C=(3I2L/')^(M$Z65H]9'$XB2 >*;!I(2MF=>>DE^TQV10276S&)ECHG:(Z)&I1HJH.-K_
3,REJ-^EW7O)?<]]*CLWFL;H<8+5";PE68SFHXWW'Z[[7H$ MM[7"J+\(@Q8\A",6OM3P^O-T=FI.B0_[Q5C0'WKBL?.F=<1!F[CMVZ/'H.EE M4UJ4*!$N-KV?>=&V66M-+%JZS#1*5
0CRD':>KAV^"VR!YI.QG 1LKCQUXC2 M8^["&O7']U&27+@F>^+4J7:#/1@9,P6]4$&>1P)[-E'Y_7;.H,@9R!>0Y94O M@ZF2+G]3[=@R43N?WYI7K@SP!8 6%Y>$-
@7QLGW\Y$DIGS!>^@\>#$6AAVY MH?W66L?8A80CNT=FM>*_3E[5!0 M4@J-DJOD6$?-?6I\F[9N<7>T'*^]]98VO>F^QA%$V1MQ6+M^O;OCPJ#91*F9 MI_9@_5&CY%==NDIW)!0_3*5JN)I-
3"W/3)C89O9O0A-^X(JK%+B10Y_!5\H[M>86RWVTP0/@*D DT[*ZCG.#:U'L>>0R:7D]MONB6]L@,OJ7-?Q^FILOY<1\@ MEW3K(D_TR4?CX<<="&J>VO<=XG)\?KIKMPASLJL<^R/#[O,\OP?
F_=N4L& M#+U:+D73L3N(GMK6)5V[R[,O_RYMV.N%NY4'*SW)&N7B9+%EA.ZNQI%A=^!_N*8=>B1=03Y,_F*EM%OAS:RSE1 M)AL1WIMBIQHJ!6:ZSW[0#]WH>E+2QHGO!1 OW^LWK$-+
[BVY\KKKM#5W M&=*I*\IM-XC60Y ?\RDY+.GCTIU'W*\:Y7771I\X5OB ..CJ-W<^;GP57MZ] M-,UT)RJ\<+A_@I]FE0VP>?_K+EVTE<'T[9R;*_VOO#+Z6-Z%0A.;WHE4BQ?P
M3S=OEEONN%.WA6??R'G]E#R/VZ6>Q^S8I].=_2L49^9;>" 29_BMM\G+K[XN MJ];$EW!96.S$#AF!]\;(E/RG/0D)GV M](=]>H_RDQ0'W;>9Z4U?!P<&7GYUA%Q_TRVZ1)#YI'V+:?(O[7D]
M]_3D.>L#I0_*,8XLO]%T'H;!QR41G"2KF'7*B6$+6D0%Q27R\!-/R_6WW*KS M*^D_ZTU2F.+F-.<]T83.A3:87URL?;@-P:?=MAT[Y<[[[Y,>R">6B5YP@]_S MX7>NLH6-
X):;T>+C9M<]42YZ(XR%)25)Z]TO!)K=1\G$BL\UXX>SEBQ9(O,6 M+)"YBQ;)W)J8+'12WWG>9W#/G 4+91'2:.\^ZR[PZ1>OM$E(L>?RMLTH M. N1)AO0]. N1VI?W_,M0#Q%[-8E<> M%\+,HQ-
O]OE;3YZS[,Q#7LUGG9@_3U:O79-,(LV,3VJXB9.G3LH>E*O-J"[-+?,V"2V-0U.1-BY-#$)#Z=6:\/XVY'>V MPG9>OL= ^\;*9S;18]J+T%2H;"=,@G/L^$UK#O[B[_&VM&$5^-!(/7O-IFRIQ M^]9
W*^X/_Y(Q,W-1=R->,'W?GII37CW4_W)IK\^'EZR >^.NJG'Y#1L"I+< M4N0SH6X^UY2 MPY(5X2'FA_K3 /SUU&3/^RE0=$JOMJ9M^Q,T=V*=F/4CW#"4;B+OCS3SZ M>&>S#&:"%A-
E*C3P#'\6)9Y07EJ*^ER(W.=1^R]IF3V)AS]N;@RI]_EG,WV^ MJ6C([=;R-W(3A\; XML 19 R1.htm IDEA: XBRL DOCUMENT

Cover Page - shares	6 Months Ended	
	Jul. 28, 2024	Aug. 23, 2024
Cover [Abstract]		
Document Type	10-Q	
Document Quarterly Report	true	
Document Period End Date	Jul. 28, 2024	
Document Transition Report	false	
Contained File Information, File Number	001-06395	
Entity Registrant Name	SEMTECH CORP	
Entity Incorporation, State or Country Code	DE	
Entity Tax Identification Number	95-2119684	
Entity Address, Address Line One	200 Flynn Road	
Entity Address, City or Town	Camarillo	
Entity Address, State or Province	CA	
Entity Address, Postal Zip Code	93012-8790	
City Area Code	805	
Local Phone Number	498-2111	
Title of 12(b) Security	Common Stock par value $0.01 per share	
Trading Symbol	SMTC	
Security Exchange Name	NASDAQ	
Entity Current Reporting Status	Yes	
Entity Interactive Data Current	Yes	
Entity Filer Category	Large Accelerated Filer	
Entity Small Business	false	
Entity Emerging Growth Company	false	
Entity Shell Company	false	
Entity Common Stock, Shares Outstanding		75,227,342
Amendment Flag	false	
Document Fiscal Year Focus	2025	
Document Fiscal Period Focus	Q2	
Entity Central Index Key	0000088941	
Current Fiscal Year End Date	--01-26	

"

XML 20 R2.htm IDEA: XBRL DOCUMENT

Condensed Consolidated Statements of Income (unaudited) - USD ($) shares in Thousands, $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Income Statement [Abstract]				
Net sales	$ 215,355	$ 238,372	$ 421,460	$ 474,911
Cost of sales	107,612	127,071	211,844	249,809
Amortization of acquired technology	2,279	10,573	4,560	21,428
Total cost of sales	109,891	137,644	216,404	271,237
Gross profit	105,464	100,728	205,056	203,674
Operating expenses, net:				
Selling, general and administrative	55,789	59,579	108,058	117,359
Product development and engineering	40,084	47,433	81,688	98,034
Intangible amortization	282	4,871	589	9,753
Restructuring	1,541	9,399	3,810	10,962
Goodwill impairment	0	279,555	0	279,555
Total operating expenses, net	97,696	400,837	194,145	515,663
Operating income (loss)	7,768	(300,109)	10,911	(311,989)
Interest expense	(28,578)	(24,171)	(51,807)	(44,681)
Interest income	433	674	975	1,743
Loss on extinguishment of debt	(144,688)	0	(144,688)	0
Non-operating expense, net	(1,015)	(1,566)	(615)	(2,039)
Investment impairments and credit loss reserves, net	0	(227)	(1,109)	(260)
Loss before taxes and equity method (loss) income	(166,080)	(325,399)	(186,333)	(357,226)
Provision for income taxes	4,215	56,592	7,171	54,175
Net loss before equity method (loss) income	(170,295)	(381,991)	(193,504)	(411,401)
Equity method (loss) income	0	(12)	50	(19)
Net loss	(170,295)	(382,003)	(193,454)	(411,420)
Net loss attributable to noncontrolling interest	0	(1)	0	(3)
Net loss attributable to common stockholders	$ (170,295)	$ (382,002)	$ (193,454)	$ (411,417)
Loss per share:				
Basic (in dollars per share)	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Diluted (in dollars per share)	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Weighted-average number of shares used in computing loss per share:				
Basic (in shares)	65,281	64,005	64,895	63,964
Diluted (in shares)	65,281	64,005	64,895	63,964

XML 21 R3.htm IDEA: XBRL DOCUMENT

Condensed Consolidated Statements Of Comprehensive Income (unaudited) - USD ($)	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023

$ in Thousands				
Net loss	$ (170,295)	$ (382,003)	$ (193,454)	$ (411,420)
Other comprehensive (loss) income, net:				
Cumulative translation adjustment	1,270	(6,697)	232	(7,698)
Change in defined benefit plans, net	(17)	(52)	(34)	(102)
Other comprehensive (loss) income, net:	(7,940)	5,116	263	2,492
Comprehensive loss	(178,235)	(376,887)	(193,191)	(408,928)
Comprehensive loss attributable to noncontrolling interest	0	(1)	0	(3)
Comprehensive loss attributable to common stockholders	(178,235)	(376,886)	(193,191)	(408,925)
Foreign Exchange Contract				
Other comprehensive (loss) income, net:				
Unrealized (loss) gain on cash flow hedges, net	(51)	96	(174)	(27)
Reclassifications of realized gain (loss) on cash flow hedges, net to net income	13	(164)	(9)	(276)
Interest Rate Swap				
Other comprehensive (loss) income, net:				
Unrealized (loss) gain on cash flow hedges, net	(6,959)	13,769	4,641	14,187
Reclassifications of realized gain (loss) on cash flow hedges, net to net income	$ (2,196)	$ (1,836)	$ (4,393)	$ (3,592)

XML 22 R4.htm IDEA: XBRL DOCUMENT

Condensed Consolidated Balance Sheets (unaudited) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Current assets:		
Cash and cash equivalents	$ 115,928	$ 128,585
Accounts receivable, less allowances of $5,580 and $4,161, respectively	152,976	134,322
Inventories	156,011	144,992
Prepaid taxes	15,375	11,969
Other current assets	101,453	114,329
Total current assets	541,743	534,197
Non-current assets:		
Property, plant and equipment, net of accumulated depreciation of $300,081 and $283,725, respectively	139,525	153,618
Deferred tax assets	18,017	18,014
Goodwill	541,104	541,227
Other intangible assets, net	35,354	35,566
Other assets	92,257	91,113
TOTAL ASSETS	1,368,000	1,373,735
Current liabilities:		
Accounts payable	75,760	45,051
Accrued liabilities	148,913	172,105
Total current liabilities	224,673	217,156
Non-current liabilities:		
Deferred tax liabilities	0	829
Long-term debt	1,192,865	1,371,039
Other long-term liabilities	91,899	91,961
Commitments and contingencies (Note 12)		
Stockholders' equity (deficit) :		
Common stock, $0.01 par value, 250,000,000 shares authorized, 88,514,575 issued and 75,118,173 outstanding and 78,136,144 issued and 64,415,861 outstanding, respectively	885	785
Treasury stock, at cost, 13,396,402 shares and 13,720,283 shares, respectively	(548,619)	(556,888)
Additional paid-in capital	836,271	485,452
Retained deficit	(427,244)	(233,790)
Accumulated other comprehensive loss, net	(2,730)	(2,993)
Total stockholders' deficit	(141,437)	(307,434)
Noncontrolling interest	0	184
Total deficit	(141,437)	(307,250)
TOTAL LIABILITIES AND EQUITY (DEFICIT)	$ 1,368,000	$ 1,373,735

XML 23 R5.htm IDEA: XBRL DOCUMENT

Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Statement of Financial Position [Abstract]		
Allowance for doubtful accounts, receivables	$ 5,580	$ 4,161
Accumulated depreciation	$ 300,081	$ 283,725
Common stock, par value (in dollars per share)	$ 0.01	$ 0.01
Common stock, shares authorized (in shares)	250,000,000	250,000,000
Common stock, shares issued (in shares)	88,514,575	78,136,144
Common stock, shares outstanding (in shares)	75,118,173	64,415,861
Treasury stock (in shares)	13,396,402	13,720,283

XML 24 R6.htm IDEA: XBRL DOCUMENT

Consolidated Statements of Stockholders' Equity (unaudited) - USD ($) $ in Thousands	Total	Stockholders' Equity (Deficit)	Common Stock	Treasury Stock, at Cost	Additional Paid-in Capital	Retained Earnings (Deficit)	Accumulated Other Comprehensive Income (Loss), Net	Noncontrolling Interest
Beginning balance (in shares) at Jan. 29, 2023			63,870,581					
Beginning balance at Jan. 29, 2023	$ 756,035	$ 755,852	$ 785	$ (577,907)	$ 471,374	$ 858,240	$ 3,360	$ 183
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Net loss	(411,420)	(411,417)				(411,417)		(3)
Other comprehensive income (loss)	2,492	2,492					2,492	
Share-based compensation	22,323	22,323			22,323			
Treasury stock reissued (in shares)			159,631					
Treasury stock reissued to settle share-based awards	(2,415)	(2,415)		4,917	(7,332)			
Ending balance (in shares) at Jul. 30, 2023			64,030,212					
Ending balance at Jul. 30, 2023	367,015	366,835	$ 785	(572,990)	486,365	446,823	5,852	180
Beginning balance (in shares) at Apr. 30, 2023			63,957,748					
Beginning balance at Apr. 30, 2023	733,209	733,028	$ 785	(575,317)	477,999	828,825	736	181
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Net loss	(382,003)	(382,002)				(382,002)		(1)
Other comprehensive income (loss)	5,116	5,116					5,116	
Share-based compensation	11,503	11,503			11,503			
Treasury stock reissued (in shares)			72,464					
Treasury stock reissued to settle share-based awards	(810)	(810)		2,327	(3,137)			
Ending balance (in shares) at Jul. 30, 2023			64,030,212					

Ending balance at Jul. 30, 2023	$ 367,015	366,835	$ 785	(572,990)	486,365	446,823	5,852	180
Beginning balance (in shares) at Jan. 28, 2024	64,415,861		64,415,861					
Beginning balance at Jan. 28, 2024	$ (307,250)	(307,434)	$ 785	(556,888)	485,452	(233,790)	(2,993)	184
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Net loss	(193,454)	(193,454)				(193,454)		
Other comprehensive income (loss)	263	263					263	
Distribution to outside interest upon liquidation of a consolidated subsidiary	(184)							(184)
Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) (in shares)			10,378,431					
Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9)	333,255	333,255	$ 100		333,155			
Share-based compensation	29,475	29,475			29,475			
Treasury stock reissued (in shares)			323,881					
Treasury stock reissued to settle share-based awards	$ (3,542)	(3,542)		8,269	(11,811)			
Ending balance (in shares) at Jul. 28, 2024	75,118,173		75,118,173					
Ending balance at Jul. 28, 2024	$ (141,437)	(141,437)	$ 885	(548,619)	836,271	(427,244)	(2,730)	0
Beginning balance (in shares) at Apr. 28, 2024			64,594,260					
Beginning balance at Apr. 28, 2024	(313,098)	(313,098)	$ 785	(552,651)	490,507	(256,949)	5,210	0
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Net loss	(170,295)	(170,295)				(170,295)		
Other comprehensive income (loss)	(7,940)	(7,940)					(7,940)	
Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) (in shares)			10,378,431					
Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9)	333,255	333,255	$ 100		333,155			
Share-based compensation	17,993	17,993			17,993			
Treasury stock reissued (in shares)			145,482					
Treasury stock reissued to settle share-based awards	$ (1,352)	(1,352)		4,032	(5,384)			
Ending balance (in shares) at Jul. 28, 2024	75,118,173		75,118,173					
Ending balance at Jul. 28, 2024	$ (141,437)	$ (141,437)	$ 885	$ (548,619)	$ 836,271	$ (427,244)	$ (2,730)	$ 0

XML 25 R7.htm IDEA: XBRL DOCUMENT

Condensed Consolidated Statements of Cash Flows (unaudited) - USD ($) $ in Thousands	**6 Months Ended**	
	Jul. 28, 2024	**Jul. 30, 2023**
Cash flows from operating activities:		
Net loss	$ (193,454)	$ (411,420)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	23,071	46,565
Amortization of right-of-use assets	3,189	3,282
Investment impairments and credit loss reserves, net	1,109	260
Goodwill impairment	0	279,555
Accretion of deferred financing costs	4,758	3,103
Write-off of deferred financing costs	5,497	771
Loss on extinguishment of debt	143,467	0
Deferred income taxes	(934)	50,542
Share-based compensation	32,372	21,803
Loss (gain) on disposition of business operations and assets	91	(17)
Equity method (income) loss	(50)	19
Gain from sale of investments	(277)	0
Corporate-owned life insurance, net	1,670	3,212
Amortization of inventory step-up	0	3,314
Changes in assets and liabilities:		
Accounts receivable, net	(18,701)	2,725
Inventories	(11,031)	22,094
Other assets	3,705	(11,179)
Accounts payable	31,084	(37,730)
Accrued liabilities	(26,660)	(71,211)
Other liabilities	(3,990)	(7,680)
Net cash used in operating activities	(5,084)	(101,992)
Cash flows from investing activities:		
Proceeds from sales of property, plant and equipment	73	42
Purchase of property, plant and equipment	(4,745)	(20,897)
Proceeds from sale of investments	2,650	0
Purchase of investments	(434)	(930)
Purchase of intangibles	(5,018)	(292)
Proceeds from corporate-owned life insurance	4,802	2,500
Net cash used in investing activities	(2,672)	(19,577)
Cash flows from financing activities:		
Proceeds from revolving line of credit	0	60,000
Payments of term loans	0	(11,187)
Deferred financing costs	(824)	(11,671)
Payments for employee share-based compensation payroll taxes	(4,185)	(2,415)
Proceeds from exercise of stock options	643	0
Distributions to noncontrolling interest	(184)	0
Net cash (used in) provided by financing activities	(4,550)	34,727
Effect of foreign exchange rate changes on cash and cash equivalents	(351)	(756)
Net decrease in cash and cash equivalents	(12,657)	(87,598)
Cash and cash equivalents at beginning of period	128,585	235,510
Cash and cash equivalents at end of period	115,928	147,912
Supplemental disclosure of cash flow information:		
Interest paid	42,352	40,912
Income taxes paid	3,809	15,612
Non-cash investing and financing activities:		
Accounts payable related to capital expenditures	269	1,640
Accrued deferred financing costs	383	349
Debt extinguished in exchange for common stock	$ 188,050	$ 0

XML 26 R8.htm IDEA: XBRL DOCUMENT

Organization and Basis of Presentation	**6 Months Ended**
	Jul. 28, 2024
Organization,	

Consolidation and Presentation of Financial Statements [Abstract]

Organization and Basis of Presentation

Organization and Basis of Presentation

Nature of Business

Semtech Corporation (together with its consolidated subsidiaries, the "Company" or "Semtech") is a high-performance semiconductor, Internet of Things ("IoT") systems and cloud connectivity service provider. The end customers for the Company's silicon solutions are primarily original equipment manufacturers that produce and sell technology solutions. The Company's IoT module, router, gateway and managed connectivity solutions ship to IoT device makers and enterprises to provide IoT connectivity to end devices.

The Company designs, develops, manufactures and markets a wide range of products for commercial applications, the majority of which are sold into the infrastructure, high-end consumer and industrial end markets.

Basis of Presentation

The Company reports results on the basis of 52 and 53-week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The second quarter of fiscal years 2025 and 2024 each consisted of 13 weeks.

Principles of Consolidation

The accompanying interim unaudited condensed consolidated financial statements include the accounts of the Company and its majority-owned subsidiaries and have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended January 28, 2024 ("Annual Report"). The Company's interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations," the Company's interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets," and the Company's interim unaudited condensed consolidated statements of cash flows are referred to herein as the "Statements of Cash Flows." In the opinion of the Company, these interim unaudited condensed consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position and results of operations of the Company for the interim periods presented. All intercompany balances have been eliminated. Because the interim unaudited condensed consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report. The results reported in these interim unaudited condensed consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Reclassifications

During the third quarter of fiscal year 2024, the Company reclassified restructuring costs that were included in "Selling, general and administrative" and "Product development and engineering" within "Total operating expenses, net" in the Statements of Operations to be separately presented in "Restructuring" within "Total operating expenses, net" in the Statements of Operations. This was applied retrospectively and resulted in the reclassification of $5.4 million and $5.8 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Selling, general and administrative" and $4.0 million and $5.2 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Product development and engineering" to "Restructuring" in the Statements of Operations. This reclassification did not impact the Company's gross profit, operating income, net income or earnings per share for any historical periods and also did not impact the Balance Sheets or Statements of Cash Flows.

Liquidity

The accompanying interim unaudited condensed consolidated financial statements have been prepared assuming that the Company will continue as a going concern, which contemplates the realization of assets and satisfaction of liabilities in the normal course of business. Management evaluated whether there are any conditions and events, considered in the aggregate,

that raise substantial doubt about the Company's ability to continue as a going concern over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements.

As of July 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt).

Based on the Company's current amount of debt outstanding and financial projections, management believes the Company will maintain compliance with its financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt), and that the Company's existing cash, projected operating cash flows and available borrowing capacity under its Revolving Credit Facility (as defined in Note 9, Long-Term Debt) are adequate to meet its operating needs, liabilities and commitments over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements.

Recent Accounting Pronouncements

In December 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, to require public business entities to disclose sufficient information to enable users of financial statements to understand the nature and magnitude of factors contributing to the difference between the effective tax rate and the statutory tax rate. The amendments in this update provide that a business entity disclose (1) a tabular income tax rate reconciliation, using both percentages and amounts, (2) separate disclosure of any individual reconciling items that are equal to or greater than 5% of the amount computed by multiplying the income (loss) from continuing operations before income taxes by the applicable statutory income tax rate, and disaggregation of certain items that are significant and (3) amount of income taxes paid (net of refunds received) disaggregated by federal, state and foreign jurisdictions, including separate disclosure of any individual jurisdictions representing greater than 5% of total income taxes paid. The amendments are effective for the Company for fiscal years beginning after December 15, 2024. Early adoption is permitted and entities may apply the amendments prospectively or may elect retrospective application. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.

In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify the circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment, and contain other disclosure requirements. The amendments require retrospective application to all periods presented. The amendments are effective for the Company for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.

XML 27 R9.htm IDEA: XBRL DOCUMENT

Acquisition

6 Months Ended
Jul. 28, 2024

Business Combination and Asset Acquisition [Abstract]

Acquisitions

Acquisition

Acquisition of Sierra Wireless, Inc.

On January 12, 2023 (the "Acquisition Date"), the Company completed the acquisition of all of the issued and outstanding common shares of Sierra Wireless, Inc. ("Sierra Wireless") in an all-cash transaction representing a total purchase consideration of approximately $1.3 billion (the "Sierra Wireless Acquisition"). The results of operations of Sierra Wireless have been included in the Statements of Operations since the Acquisition Date.

The transaction was accounted for as a business combination in accordance with Accounting Standards Codification ("ASC") 805, "Business Combinations." The purchase price allocation for the Sierra Wireless Acquisition was completed during the third quarter of fiscal year 2024. The fair values of acquired intangibles were determined based on estimates and assumptions that were deemed reasonable by the Company. In the fourth quarter of fiscal year 2023, a preliminary goodwill balance of $931.4 million was recognized for the excess of the consideration transferred over the net assets acquired and represented the expected revenue and cost synergies of the combined company and assembled workforce. During the first three quarters of fiscal year 2024, the Company finalized measurement period adjustments related to identifiable intangible assets, inventories, property, plant, and equipment, income and non-income based taxes, legal matters, and other assets and liabilities, which have been recorded to reflect facts and circumstances that existed as of the Acquisition Date. These adjustments increased the goodwill balance by $23.9 million to $955.3 million. In fiscal year 2024, the Company also finalized its determination of the reporting units related to the Sierra Wireless Acquisition and completed an allocation of the goodwill balance to these reporting units.

The following table presents the fair values of assets and liabilities assumed on the Acquisition Date based on valuations and management's estimates:

(in thousands)	Amounts recognized as of Acquisition Date (as initially reported)	Measurement period adjustment	Amounts recognized as of Acquisition Date (as adjusted)
Total purchase price consideration, net of cash acquired $68,794	$ 1,240,757		$ 1,240,757
Assets:			
Accounts receivable, net	92,633	—	92,633
Inventories	96,339	(1,899)	94,440
Other current assets	72,724	5,003	77,727
Property, plant and equipment	29,086	(2,628)	26,458
Intangible assets	214,780	—	214,780
Prepaid taxes	3,001	—	3,001
Deferred tax assets	22,595	285	22,880
Other assets	14,878	—	14,878
Liabilities:			
Accounts payable	50,413	210	50,623
Accrued liabilities	148,654	26,232	174,886
Deferred tax liabilities	4,824	350	5,174
Other long-term liabilities	32,785	(2,106)	30,679
Net assets acquired, excluding goodwill	$ 309,360	$ (23,925)	$ 285,435
Goodwill	$ 931,397	$ 23,925	$ 955,322

XML 28 R10.htm IDEA: XBRL DOCUMENT

Loss per Share

6 Months Ended
Jul. 28, 2024

Earnings Per Share [Abstract]

Loss per Share

Loss per Share

The computation of basic and diluted loss per share was as follows:

(in thousands, except per share data)	Three Months Ended		Six Months Ended	
	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Net loss attributable to common stockholders	$ (170,295)	$ (382,002)	$ (193,454)	$ (411,417)
Weighted-average shares outstanding–basic	65,281	64,005	64,895	63,964
Weighted-average shares outstanding–diluted	65,281	64,005	64,895	63,964
Loss per share:				
Basic	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Diluted	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Anti-dilutive shares not included in the above calculations:				
Share-based compensation	911	2,593	888	2,462
Warrants	8,573	8,573	8,573	8,573
Total anti-dilutive shares	9,484	11,166	9,461	11,035

Basic earnings or loss per share is computed by dividing income or loss available to common stockholders by the weighted-average number of shares of common stock outstanding during the reporting period. Diluted earnings or loss per share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options and the vesting of restricted stock units, market-condition restricted stock units and financial metric-based restricted stock units if certain conditions have been met, but excludes such incremental shares that would have an anti-dilutive effect. Due to the Company's net loss for the three and six months ended July 28, 2024, all shares underlying stock options and restricted stock units are considered anti-dilutive.

Any dilutive effect of the Warrants (as defined in Note 9, Long-Term Debt) is calculated using the treasury-stock method. During the three and six months ended July 28, 2024, the Warrants were excluded from diluted shares outstanding because the exercise price exceeded the average market price of the Company's common stock for the reporting periods and due to net loss in such reporting periods.

XML 29 R11.htm IDEA: XBRL DOCUMENT

Share-Based Compensation	6 Months Ended Jul. 28, 2024
Share-Based Payment Arrangement, Noncash Expense [Abstract]	
Share-Based Compensation	

Share-Based Compensation

Financial Statement Effects and Presentation

Pre-tax share-based compensation was included in the Statements of Operations as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Cost of sales	$ 714	$ 525	$ 1,396	$ 888
Selling, general and administrative	12,982	9,409	24,373	13,911
Product development and engineering	3,442	3,465	6,603	7,004
Total share-based compensation	$ 17,138	$ 13,399	$ 32,372	$ 21,803

Restricted Stock Units, Employees

The Company grants restricted stock units to certain employees of which a portion are expected to be settled with shares of the Company's common stock and a portion are expected to be settled in cash. The restricted stock units that are to be settled with shares are accounted for as equity. The grant date for these awards is equal to the measurement date and they are valued as of the measurement date, based on the fair value of the Company's common stock at the grant date, and recognized as share-based compensation expense over the requisite vesting period (typically between 1 and 4 years). The restricted stock units that are to be settled in cash are accounted for as liabilities and the value of the awards is re-measured at the end of each reporting period until settlement at the end of the requisite vesting period (typically 3 years). In the six months ended July 28, 2024, the Company granted to certain employees 893,114 restricted stock units that settle in shares with a weighted-average grant date fair value of $27.64.

Restricted Stock Units, Non-Employee Directors

The Company maintains a compensation program pursuant to which restricted stock units are granted to the Company’s directors who are not employed by the Company or any of its subsidiaries. Under the Company's director compensation program, a portion of the restricted stock units granted under the program would be settled in cash and a portion would be settled in shares of the Company's common stock. Restricted stock units awarded under the program are generally scheduled to vest on the earlier of (i) one year after the grant date or (ii) the day immediately preceding the first annual meeting of the Company's stockholders following the grant. The portion of a restricted stock unit award under the program that is to be settled in cash will, subject to vesting, be settled when the director who received the award separates from service. The portion of a restricted stock unit award under the program that is to be settled in shares of stock will, subject to vesting, be settled promptly following vesting. In the six months ended July 28, 2024, the Company granted to certain non-employee directors 25,713 restricted stock units that settle in cash and 25,713 restricted stock units that settle in shares with a weighted-average grant date fair value of $31.50.

The restricted stock units that are to be settled in cash are accounted for as liabilities. These awards are not typically settled until a non-employee director’s separation from service. The value of both the unvested and vested but unsettled awards are re-measured at the end of each reporting period until settlement. In the six months ended July 28, 2024, $1.4 million was paid to settle the vesting of 44,018 cash-settled restricted stock unit awards upon the separation of service of a former director. As of July 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 208,392 and the liability associated with these awards was $5.9 million, of which $2.2 million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $3.7 million was included in "Other long-term liabilities" in the Balance Sheets as of July 28, 2024. As of January 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 230,231 and the liability associated with these awards was $4.4 million, of which $1.8 million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $2.6 million was included in "Other long-term liabilities" in the Balance Sheets as of January 28, 2024.

Financial Metric-Based Restricted Stock Units with a Market Condition

The Company grants financial metric-based restricted stock units with a market condition (the "Performance Awards") to certain executives of the Company, which are settled in shares and accounted for as equity awards. The Performance Awards have both a financial metric-based performance condition and a pre-defined market condition, which together determine the number of shares that ultimately vest, in addition to the condition of continued service. The number of vested shares for each of the three tranches of the awards, which are the one, two and three-year performance periods, is determined based on the Company’s attainment of pre-established revenue and non-GAAP operating income targets for the respective performance period. The vesting for tranches after the initial performance period is dependent on revenue and non-GAAP operating income for the preceding performance period. The market condition is determined based upon the Company’s total stockholder return

("TSR") benchmarked against the TSR of an index over the three-year performance period. For fiscal year 2025 grants, the benchmark was against the Russell 3000 Index. The market condition functions as a catch-up provision in determining the vesting of the third tranche of the awards based on the performance over the full three-year performance period. Generally, the award recipients must be employed for the entire performance period and be an active employee at the time of vesting of the awards.

The grant-date fair values of the first and second tranches of the Performance Awards are valued using the closing stock price on the grant date and the grant-date fair value of the third tranche of the Performance Awards is valued using a Monte Carlo simulation, which takes into consideration the possible outcomes pertaining to the TSR market condition. The compensation cost of the Performance Awards is recognized using the accelerated attribution method over the requisite service period based on the number of shares that are probable of attainment for each fiscal year.

In the six months ended July 28, 2024, the Company granted 443,943 Performance Awards. The weighted-average grant-date fair values for each of the one, two and three-year performance periods over which the Performance Awards vest were $36.26, $36.26 and $57.08, respectively. Under the terms of these awards, assuming the highest performance level of 200% with no cancellations due to forfeitures, the maximum potential number of shares that can be earned in aggregate for the cumulative fiscal years 2025, 2026 and 2027 performance periods would be 887,886 shares.

Market-Condition Restricted Stock Units, Employees

In fiscal year 2022, the Company granted 54,928 restricted stock units to certain executives of the Company, which had a pre-defined market condition that determined the number of shares that would ultimately vest. These market-condition restricted stock unit awards ("Market-Condition Awards") were eligible to vest during the period that commenced on March 9, 2021 and ended on March 5, 2024 (the "Performance Period") as follows: the restricted stock units covered by the Market-Condition Awards would vest if, during any consecutive 30 trading day period that commenced and ended during the Performance Period, the average per-share closing price of the Company’s common stock equaled or exceeded $95.00. The Market-Condition Awards were valued as of the grant date using a Monte Carlo simulation model and expense was recognized on a straight-line basis over the requisite service period, adjusted for any actual forfeitures. The grant-date fair value per unit of the awards granted in fiscal year 2022 was $49.55. In fiscal years 2024 and 2023, 18,309 and 14,084, respectively, of the Market-Condition Awards were forfeited due to the terminations of certain officers. In the first quarter of fiscal year 2025, the Performance Period ended and the remaining 22,535 Market-Condition Awards were canceled as the target achievement level was not met.

XML 30 R12.htm IDEA: XBRL DOCUMENT

Available-for-sale securities	6 Months Ended Jul. 28, 2024
Investments [Abstract]	
Available-for-sale securities	

Available-for-sale securities

The following table summarizes the values of the Company’s available-for-sale securities:

	July 28, 2024			January 28, 2024		
(in thousands)	Fair Value	Amortized Cost	Gross Unrealized Loss	Fair Value	Amortized Cost	Gross Unrealized Loss
Convertible debt investments	$ 12,294	$ 14,303	$ (2,009)	$ 12,117	$ 14,454	$ (2,337)
Total available-for-sale securities	$ 12,294	$ 14,303	$ (2,009)	$ 12,117	$ 14,454	$ (2,337)

The following table summarizes the maturities of the Company’s available-for-sale securities:

	July 28, 2024	
(in thousands)	Fair Value	Amortized Cost
Within 1 year	$ 12,294	$ 14,303
After 1 year through 5 years	—	—
Total available-for-sale securities	$ 12,294	$ 14,303

The Company's available-for-sale securities consist of investments in convertible debt instruments issued by privately-held companies and are recorded at fair value. See Note 6, Fair Value Measurements, for further discussion of the valuation of the available-for-sale securities. The available-for-sale securities with maturities within one year are included in "Other current assets". Unrealized gains or losses, net of tax, are recorded in "Accumulated other comprehensive loss, net" in the Balance Sheets, and realized gains or losses, as well as current expected credit loss reserves were recorded in "Non-operating expense, net" in the Statements of Operations.

XML 31 R13.htm IDEA: XBRL DOCUMENT

Fair Value Measurements	6 Months Ended Jul. 28, 2024
Fair Value Disclosures [Abstract]	
Fair Value Measurements	

Fair Value Measurements

The following fair value hierarchy is applied for disclosure of the inputs used to measure fair value and prioritizes the inputs into three levels as follows:

Level 1—Quoted prices in active markets for identical assets or liabilities.
Level 2—Observable inputs other than Level 1 prices, such as quoted prices for similar assets and liabilities in active markets or other inputs that are observable for the assets or liabilities, either directly or indirectly.
Level 3—Unobservable inputs based on the Company’s own assumptions, requiring significant management judgment or estimation.

Instruments Measured at Fair Value on a Recurring Basis

The fair values of financial assets and liabilities measured and recorded at fair value on a recurring basis were presented in the Balance Sheets as follows:

	July 28, 2024				January 28, 2024			
(in thousands)	Total	(Level 1)	(Level 2)	(Level 3)	Total	(Level 1)	(Level 2)	(Level 3)
Financial assets:								
Interest rate swap agreement	$ 7,636	$ —	$ 7,636	$ —	$ 7,321	$ —	$ 7,321	$ —
Convertible debt investments	12,294	—	—	12,294	12,117	—	—	12,117
Foreign currency forward contracts	—	—	—	—	169	—	169	—
Total financial assets	$ 19,930	$ —	$ 7,636	$ 12,294	$ 19,607	$ —	$ 7,490	$ 12,117
Financial liabilities:								
Interest rate swap agreement	$ —	$ —	$ —	$ —	$ 7	$ —	$ 7	$ —
Foreign currency forward contracts	80	—	80	—	—	—	—	—
Total financial liabilities	$ 80	$ —	$ 80	$ —	$ 7	$ —	$ 7	$ —

During the six months ended July 28, 2024, the Company had no transfers of financial assets or liabilities between Level 1, Level 2 or Level 3. As of July 28, 2024 and January 28, 2024, the Company had not elected the fair value option for any financial assets and liabilities for which such an election would have been permitted.

The convertible debt investments are valued utilizing a combination of estimates that are based on the estimated discounted cash flows associated with the debt and the fair value of the equity into which the debt may be converted, all of which are Level 3 inputs.

The following table presents a reconciliation of the changes in convertible debt investments in the six months ended July 28, 2024:

(in thousands)	
Balance at January 28, 2024	$ 12,117
Sales	(222)
Interest accrued	399
Balance at July 28, 2024	$ 12,294

The interest rate swap agreements are measured at fair value using readily available interest rate curves (Level 2 inputs). The fair value of each agreement is determined by comparing, for each settlement, the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" and "Other assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" and "Other long-term liabilities" in the Balance Sheets.

The foreign currency forward contracts are measured at fair value using readily available foreign currency forward and interest rate curves (Level 2 inputs). The fair value of each contract is determined by comparing the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" in the Balance Sheets.

See Note 17, Derivatives and Hedging Activities, for further discussion of the Company's derivative instruments.

Instruments Not Recorded at Fair Value

Some of the Company's financial instruments are not measured at fair value, but are recorded at amounts that approximate fair value due to their liquid or short-term nature. Such financial assets and financial liabilities include: cash and cash equivalents including money market deposits, net receivables, certain other assets, accounts payable, accrued expenses, accrued personnel costs, and other current liabilities. The Company's revolving loans and Term Loans (as defined in Note 9, Long-Term Debt) are recorded at cost, which approximates fair value as the debt instruments bear interest at a floating rate. The 2027 Notes and 2028 Notes (as defined in Note 9, Long-Term Debt) are carried at face value less unamortized debt issuance costs, with interest expense reflecting the cash coupon plus the amortization of the capitalized issuance costs. The estimated fair values are determined based on the actual bid prices of the 2027 Notes and 2028 Notes as of the last business day of the period.

The following table displays the carrying values and fair values of the 2027 Notes and 2028 Notes:

		July 28, 2024		January 28, 2024	
(in thousands)	Fair Value Hierarchy	Carrying Value	Fair Value	Carrying Value	Fair Value
1.625% convertible senior notes due 2027, net [1]	Level 2	$ 311,768	$ 357,696	$ 310,563	$ 262,571
4.00% convertible senior notes due 2028, net [2]	Level 2	60,139	98,212	241,829	313,299
Total long-term debt, net of debt issuance costs		$ 371,907	$ 455,908	$ 552,392	$ 575,870

[1] *The 1.625% convertible senior notes due 2027, net, are reflected net of $7.7 million and $8.9 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively.*

[2] *The 4.00% convertible senior notes due 2028, net, are reflected net of $1.8 million and $8.2 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively.*

Assets and Liabilities Recorded at Fair Value on a Non-Recurring Basis

The Company reduces the carrying amounts of its intangible assets, long-lived assets and non-marketable equity securities to fair value when it determines they are impaired.

Investment Impairments and Credit Loss Reserves

The total credit loss reserve for the Company's held-to-maturity debt securities and available-for-sale debt securities remained flat at $4.5 million as of July 28, 2024 and January 28, 2024. In the six months ended July 28, 2024, the Company recorded an other-than-temporary impairment of $1.1 million on one of its non-marketable equity investments. Credit loss reserves related to the Company's available-for-sale debt securities and held-to-maturity debt securities with maturities within one year are included in "Other current assets" in the Balance Sheets.

XML 32 R14.htm IDEA: XBRL DOCUMENT

Inventories

6 Months Ended
Jul. 28, 2024

Inventory Disclosure [Abstract]

Inventories — Inventories

Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value and consisted of the following:

(in thousands)	July 28, 2024	January 28, 2024
Raw materials and electronic components	$ 48,797	$ 46,425
Work in progress	83,396	69,404
Finished goods	23,818	29,163
Total inventories	$ 156,011	$ 144,992

XML 33 R15.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets

6 Months Ended
Jul. 28, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Goodwill and Intangible Assets — Goodwill and Intangible Assets

Goodwill

The carrying amounts of goodwill by applicable operating segment were as follows:

(in thousands)	Signal Integrity	Analog Mixed Signal and Wireless	IoT Systems and Connectivity	Total
Balance at January 28, 2024	$ 267,205	$ 83,101	$ 190,921	$ 541,227
Cumulative translation adjustment	—	—	(123)	(123)
Balance at July 28, 2024	$ 267,205	$ 83,101	$ 190,798	$ 541,104

In the first quarter of fiscal year 2025, as a result of organizational restructuring, the Company combined the IoT Systems operating segment and the IoT Connected Services operating segment into the newly formed IoT Systems and Connectivity operating segment. There was no change to the reporting units. See Note 15, Segment Information, for further discussion of the Company's operating segments.

Goodwill is not amortized, but is tested for impairment at the reporting unit level using either a qualitative or quantitative assessment on an annual basis during the fourth quarter of each fiscal year, and whenever events or changes in circumstances indicate that the carrying value may not be recoverable. Impairment of goodwill is measured at the reporting unit level by comparing the reporting unit's carrying amount, including goodwill, to the fair market value of the reporting unit. As of July 28, 2024, there was no indication of impairment of the Company's goodwill balances and no goodwill impairment was recorded in the six months ended July 28, 2024.

During the second quarter of fiscal year 2024, as a result of reduced earnings forecasts associated with the business acquired from Sierra Wireless and macroeconomic conditions, including a rising interest rate environment, the Company performed an interim impairment test using a quantitative assessment of the reporting units related to the Sierra Wireless Acquisition (specifically, the IoT Connected Services, IoT System–Modules and IoT System–Routers reporting units). The interim impairment test resulted in $279.6 million of total pre-tax non-cash goodwill impairment charges recorded in the Statements of Operations during the second quarter of fiscal year 2024, consisting of $69.0 million of goodwill impairment for the IoT Connected Services reporting unit, $109.9 million of goodwill impairment for the IoT System–Modules reporting unit and $100.7 million goodwill impairment for the IoT System–Routers reporting unit. The fair values of these reporting units were determined based on a discounted cash flow model (an income approach) and earnings multiples (a market approach). Significant inputs to the reporting unit fair value measurements included forecasted cash flows, discount rates, terminal growth rates and earnings multiples, which were determined by management estimates and assumptions. The reporting unit fair value measurements are classified as Level 3 in the fair value hierarchy because they involve significant unobservable inputs.

Purchased and Other Intangibles

The following table sets forth the Company's finite-lived intangible assets, which are amortized over their estimated useful lives:

		July 28, 2024			
(in thousands, except estimated useful life)	Estimated Useful Life	Gross Carrying Amount	Accumulated Amortization	Accumulated Impairment	Net Carrying Amount
Core technologies	1-8 years	$ 154,797	$ (39,525)	$ (91,792)	$ 23,480
Customer relationships	1-10 years	52,117	(13,476)	(34,777)	3,864
Trade name	2-10 years	9,000	(3,058)	(4,816)	1,126
Capitalized development costs	3 years	295	(49)	—	246
Total finite-lived intangible assets		$ 216,209	$ (56,108)	$ (131,385)	$ 28,716

		January 28, 2024			
(in thousands, except estimated useful life)	Estimated Useful Life	Gross Carrying Amount	Accumulated Amortization	Accumulated Impairment	Net Carrying Amount
Core technologies	1-8 years	$ 154,985	$ (35,130)	$ (91,792)	$ 28,063
Customer relationships	1-10 years	52,272	(13,391)	(34,777)	4,104
Trade name	2-10 years	9,000	(2,700)	(4,816)	1,484
Total finite-lived intangible assets		$ 216,257	$ (51,221)	$ (131,385)	$ 33,651

Amortization expense of finite-lived intangible assets was as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Core technologies	$ 2,279	$ 10,573	$ 4,560	$ 21,428
Customer relationships	114	4,080	228	8,170
Trade name	168	791	361	1,583
Capitalized development costs	49	—	49	—
Total amortization expense	$ 2,610	$ 15,444	$ 5,198	$ 31,181

Amortization expense of finite-lived intangible assets related to core technologies was recorded in "Amortization of acquired technology" within "Total cost of sales" in the Statements of Operations and amortization expense of finite-lived intangible assets related to customer relationships and trade name was recorded in "Intangible amortization" within "Total operating expenses, net" in the Statements of Operations. Amortization expense of finite-lived intangible assets related to capitalized development costs was recorded in "Cost of sales" in the Statements of Operations.

Future amortization expense of finite-lived intangible assets is expected as follows:

(in thousands)	Core Technologies	Customer Relationships	Trade Name	Capitalized Development Costs	Total
2025 (remaining six months)	$ 4,542	$ 228	$ 66	$ 49	$ 4,885
2026	8,598	457	133	98	9,286
2027	3,707	457	133	99	4,396
2028	3,550	457	133	—	4,140
2029	3,083	382	133	—	3,598
Thereafter	—	1,883	528	—	2,411
Total expected amortization expense	$ 23,480	$ 3,864	$ 1,126	$ 246	$ 28,716

Also in "Other intangible assets, net" in the Balance Sheets, are finite-lived intangible assets to be amortized upon placement in service. The following table sets forth the Company's finite-lived intangible assets not yet placed in service:

(in thousands)	Capitalized Development Costs	Software Licenses	Total
Balance at January 28, 2024	$ 1,000	$ 915	$ 1,915
Additions	468	4,550	5,018
Placed in service	(295)	—	(295)
Balance at July 28, 2024	$ 1,173	$ 5,465	$ 6,638

XML 34 R16.htm IDEA: XBRL DOCUMENT

Long-Term Debt

6 Months Ended
Jul. 28, 2024

Debt Instruments [Abstract]

Long-Term Debt

Long-Term Debt

Long-term debt and the current period interest rates were as follows:

(in thousands, except percentages)	July 28, 2024	January 28, 2024
Revolving loans	$ 215,000	$ 215,000
Term loans	622,625	622,625
1.625% convertible senior notes due 2027	319,500	319,500
4.00% convertible senior notes due 2028	61,950	250,000
Total debt	$ 1,219,075	$ 1,407,125
Debt issuance costs	(26,210)	(36,086)
Total long-term debt, net of debt issuance costs	$ 1,192,865	$ 1,371,039
Weighted-average effective interest rate [1]	6.15 %	5.86 %

[1] The revolving loans and Term Loans (as defined below) bear interest at variable rates based on Adjusted Term SOFR or a Base Rate (as defined in the Credit Agreement), at the Company's option, plus an applicable margin that varies based on the Company's consolidated leverage ratio. In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.58%, plus a variable margin and spread based on the Company's consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.44%, plus a variable margin and spread based on the Company's consolidated leverage ratio. As of July 28, 2024, the effective interest rate was a weighted-average rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.86% (total floating rate of 9.21%), (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.85% (total floating rate of 9.20%), (e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. As of January 28, 2024, the effective interest rate was a weighted average-rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.86% (total floating rate of 9.20%) (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.85% (total floating rate of 9.19%),(e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%.

Credit Agreement

On November 7, 2019, we, with certain of our domestic subsidiaries as guarantors, entered into a credit agreement with the lenders party thereto and HSBC Bank USA, National Association ("HSBC Bank"), as administrative agent, swing line lender and letter of credit issuer. On September 26, 2022 (the "Third Restatement Effective Date"), the Company entered into a third amended and restated credit agreement (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") with the lenders party thereto, HSBC Bank, as resigning administrative agent, and JPMorgan Chase Bank, N.A. ("JPM"), as successor administrative agent, swing line lender and letter of credit issuer. The restated Credit Agreement, which was entered into substantially concurrently with the completion of the Sierra Wireless Acquisition on January 12, 2023 was entered into to, among other things, (i) extend the maturity date of $405.0 million of the $600.0 million in aggregate principal amount of revolving commitments thereunder from November 7, 2024 to January 12, 2028, (ii) provide for incurrence by the Company on January 12, 2023 of term loans (the "Term Loans") in an aggregate principal amount of $895.0 million, which was used to fund a portion of the cash consideration for the Sierra Wireless Acquisition, (iii) provide for JPM to succeed HSBC Bank as administrative agent and collateral agent under the Credit Agreement on January 12, 2023, (iv) modify the maximum consolidated leverage covenant as set forth in the Credit Agreement, (v) replace LIBOR with adjusted term SOFR and (vi) make certain other changes as set forth in the restated Credit Agreement, including changes consequential to the incorporation of the Term Loan Facility.

After effectiveness of the Third Amendment (as defined and described below), the borrowing capacity on the revolving credit facility under the Credit Agreement (the "Revolving Credit Facility") is $500.0 million, of which $162.5 million is scheduled to mature on November 7, 2024 and $337.5 million is scheduled to mature on January 12, 2028, and the Term Loans are scheduled to mature on January 12, 2028 (subject to, in certain circumstances, an earlier springing maturity).

As of July 28, 2024, the Company had $622.6 million outstanding under the Term Loans and $215.0 million outstanding under the Revolving Credit Facility, which had available undrawn borrowing capacity of $282.2 million, subject to net leverage limitations and customary conditions precedent, including the accuracy of representations and warranties and the absence of defaults.

Up to $40.0 million of the Revolving Credit Facility may be used to obtain letters of credit, up to $25.0 million of the Revolving Credit Facility may be used to obtain swing line loans, and up to $75.0 million of the Revolving Credit Facility may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars ("Alternative Currencies").

The proceeds of the Revolving Credit Facility may be used by the Company for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes.

On February 24, 2023, the Company entered into the first amendment (the "First Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth therein, (iii) provide that, during the period that financial covenant relief pursuant to the First Amendment is in effect, the interest rate margin for (1) Term SOFR loans is deemed to be 2.50% and (2) Base Rate (as defined in the Credit Agreement) loans is deemed to be 1.50% per annum and (iv) make certain other changes as set forth therein.

On June 6, 2023, the Company entered into the second amendment (the "Second Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein and described below, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth therein and described below, (iii) modify the pricing grid applicable to loans under the Credit Agreement during the covenant relief period as set forth therein and described below, (iv) impose a minimum liquidity covenant for certain periods during the covenant relief period as set forth therein and described below, (v) increase the annual amortization in respect of the term loans thereunder to 7.5% per annum for certain periods as set forth therein, (vi) impose an "anti-cash hoarding" condition to the borrowing of revolving loans as set forth therein, (vii) provide that the maturity date for the Term Loans and revolving loans shall be the day that is 91 days prior to the stated maturity date of the 2027 Notes and the 2028 Notes if such notes have not otherwise been refinanced or extended to at least 91 days after the stated maturity date of the Term Loans and revolving loans, the aggregate principal amount of non-extended outstanding 2027 Notes and 2028 Notes and certain replacement debt exceeds $50 million and a minimum liquidity condition is not satisfied, (viii) provide for the reduction of the aggregate revolving commitments thereunder by $100 million, (ix) require that the Company appoint a financial advisor and (x) make certain other modifications to the mandatory prepayments (including the imposition of an excess cash flow mandatory prepayment), collateral provisions and covenants (including additional limitations on debt, liens, investments and restricted payments such as dividends) as set forth therein.

On October 19, 2023, the Company entered into the third amendment (the "Third Amendment") to the Credit Agreement, in order to, among other things, (i) extend the financial covenant relief period by one year to April 30, 2026, (ii) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth in the Third Amendment, (iii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth in the Third Amendment and (iv) make certain other changes as set forth therein. These amendments had the effect of extending and temporarily expanding financial covenant relief under the Credit Agreement previously provided for in the First Amendment and Second Amendment.

Effective June 6, 2023, in connection with the Second Amendment, interest on loans made under the Credit Agreement in U.S. Dollars accrues, at the Company's option, at a rate per annum equal to (1) (x) the Base Rate (as defined in the Credit Agreement) plus (y) a margin ranging from 0.25% to 2.75% depending upon the Company's consolidated leverage ratio (except that, during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), the margin will not be less than 2.25% per annum) or (2) (x) Term SOFR Rate (as defined in the Credit Agreement) plus (y) a credit spread adjustment of (i) for term loans, 0.10% and (ii) for revolving credit borrowings, 0.11%, 0.26% or 0.43% for one, three and six month interest periods, respectively, plus (z) a margin ranging from 1.25% to 3.75% depending upon the Company's consolidated leverage ratio (except that, during the period that financial covenant relief pursuant to the Third Amendment is in effect, the margin will not be less than 3.25% per annum) (such margin, the "Applicable Margin"). Interest on loans made under the Revolving Credit Facility in Alternative Currencies accrues at a rate per annum equal to a customary benchmark rate (including, in certain cases, credit spread adjustments) plus the Applicable Margin.

All of the Company's obligations under the Credit Agreement are unconditionally guaranteed by all of the Company's direct and indirect domestic subsidiaries, other than certain excluded subsidiaries, including, but not limited to, any domestic subsidiary the primary assets of which consist of equity or debt of non-U.S. subsidiaries, certain immaterial non-wholly-owned domestic subsidiaries and subsidiaries that are prohibited from providing a guarantee under applicable law or that would require governmental approval to provide such guarantee. The Company and the guarantors have also pledged substantially all of their assets to secure their obligations under the Credit Agreement.

No amortization is required with respect to the revolving loans. Effective June 6, 2023, in connection with the Second Amendment, the Term Loans amortize (x) during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), in equal quarterly installments of 1.875% of the aggregate principal amount outstanding on the Third Restatement Effective Date, and (y) otherwise, in equal quarterly installments of 1.25% of the aggregate principal amount outstanding on the Third Restatement Effective Date, with the balance due at maturity. The Company may voluntarily prepay borrowings at any time and from time to time, without premium or penalty, other than customary "breakage costs" in certain circumstances. In the third quarter of fiscal year 2024, the Company

made a $250 million prepayment on the Term Loans in connection with the Third Amendment, after which there is no scheduled amortization remaining on the Term Loans.

The Credit Agreement contains customary representation and warranties, and affirmative and negative covenants, including limitations on the Company's ability to, among other things, incur indebtedness, create liens on assets, engage in certain fundamental corporate changes, make investments, repurchase stock, pay dividends or make similar distributions, engage in certain affiliate transactions, or enter into agreements that restrict the Company's ability to create liens, pay dividends or make loan repayments. In addition, the Company must comply with financial covenants which, after effectiveness of the Third Amendment are as follows (in each case, during the covenant relief period):

- maintaining a maximum consolidated leverage ratio, determined as of the last day of each fiscal quarter, of (i) 8.17 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 10.27 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 10.21 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 9.93 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 8.42 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 7.68 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii)) 6.75 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 6.28 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 5.81 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 5.30 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.75 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter, subject to increase to 4.25 to 1.00 for the four full consecutive fiscal quarters ending on or after the date of consummation of a permitted acquisition that constitutes a "Material Acquisition" under the Credit Agreement, subject to the satisfaction of certain conditions;
- maintaining a minimum consolidated interest expense coverage ratio, determined as of the last day of each fiscal quarter, of (i) 1.66 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 1.40 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 1.37 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 1.41 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 1.73 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 1.90 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii) 2.14 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 2.37 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 2.68 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 3.01 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.50 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter; and
- until January 31, 2025, maintaining a minimum consolidated liquidity (as further defined in the Credit Agreement but excluding revolving credit commitments scheduled to expire in 2024) of $150 million as of the last day of each monthly accounting period of the Company.

Upon the termination of the covenant relief period under the Third Amendment, the ratio levels set forth above with respect to the leverage and interest expense coverage financial covenants are subject to step-up as set forth in the Credit Agreement, and the liquidity covenant shall no longer apply.

Compliance with the leverage and interest expense coverage financial covenants is measured quarterly based upon the Company's performance over the most recent four quarters, and compliance with the liquidity covenant is measured as of the last day of each monthly accounting period. As of July 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement. See "Liquidity" in Note 1, Organization and Basis of Presentation, for additional information about compliance with the financial covenants.

The Credit Agreement also contains customary provisions pertaining to events of default. If any event of default occurs, the obligations under the Credit Agreement may be declared due and payable, terminated upon written notice to us and existing letters of credit may be required to be cash collateralized.

Convertible Senior Notes Due 2027

On October 12, 2022 and October 21, 2022, the Company issued and sold $300.0 million and $19.5 million, respectively, in aggregate principal amount of 1.625% Convertible Senior Notes due 2027 (the "2027 Notes") in a private placement. The 2027 Notes were issued pursuant to an indenture, dated October 12, 2022, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2027 Indenture"). The 2027 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Company's current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2027 Notes bear interest at a rate of 1.625% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2023. The 2027 Notes will mature on November 1, 2027, unless earlier converted, redeemed or repurchased.

The initial conversion rate of the 2027 Notes is 26.8325 shares of the Company's common stock per $1,000 principal amount of 2027 Notes (which is equivalent to an initial conversion price of approximately $37.27 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2027 Indenture but will not be adjusted for accrued

and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2027 Indenture) or if the Company delivers a Notice of Sale Price Redemption (as defined in the 2027 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2027 Indenture for a holder who elects to convert its 2027 Notes in connection with such Make-Whole Fundamental Change or to convert its 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption in connection with such Notice of Sale Price Redemption, as the case may be.

Prior to the close of business on the business day immediately preceding July 1, 2027, the 2027 Notes are convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ending on January 29, 2023 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2027 Indenture), as determined following a request by a holder of the 2027 Notes in accordance with the procedures described in the 2027 Indenture, per $1,000 principal amount of the 2027 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2027 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2027 Indenture. As of July 28, 2024, none of the conditions allowing holders of the 2027 Notes to convert had been met. On or after July 1, 2027 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2027 Notes, holders of the 2027 Notes may convert all or a portion of their 2027 Notes, regardless of the foregoing conditions. Upon conversion, the 2027 Notes will be settled in cash up to the aggregate principal amount of the 2027 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Company's option, in respect of the remainder, if any, of the Company's conversion obligation in excess of the aggregate principal amount of the 2027 Notes being converted.

The Company may not redeem the 2027 Notes prior to November 5, 2025. The Company may redeem for cash all or any portion of the 2027 Notes (subject to the limitation described below), at the Company's option, on or after November 5, 2025 and before the 61st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Company's common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2027 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2027 Notes, at least $75.0 million aggregate principal amount of the 2027 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2027 Notes.

Upon the occurrence of a Fundamental Change (as defined in the 2027 Indenture) prior to the maturity date of the 2027 Notes, holders of the 2027 Notes may require the Company to repurchase all or a portion of the 2027 Notes for cash at a price equal to 100% of the principal amount of the 2027 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2027 Indenture).

Convertible Note Hedge Transactions

On October 6, 2022 and October 19, 2022, the Company entered into privately negotiated convertible note hedge transactions (the "Convertible Note Hedge Transactions") with an affiliate of one of the initial purchasers of the 2027 Notes and another financial institution (collectively, the "Counterparties") whereby the Company has the option to purchase the same number of shares of the Company's common stock initially underlying the 2027 Notes in the aggregate for approximately $37.27 per share, which is subject to anti-dilution adjustments substantially similar to those in the 2027 Notes. The Convertible Note Hedge Transactions will expire upon the maturity of the 2027 Notes, if not earlier exercised. The Convertible Note Hedge Transactions are expected to reduce the potential dilution to the common stock upon the conversion of the 2027 Notes and/or offset any cash payments the Company is required to make in excess of the principal amount of converted 2027 Notes, as the case may be, in the event that the market price per share of common stock, as measured under the terms of the Convertible Note Hedge Transactions, is greater than the strike price of the Convertible Note Hedge Transactions, which initially corresponds to the initial conversion price of the 2027 Notes, or approximately $37.27 per share of the common stock. The Convertible Note Hedge Transactions are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Convertible Note Hedge Transactions. The Company used approximately $72.6 million of the net proceeds from the offering of the 2027 Notes to pay the cost of the Convertible Note Hedge Transactions. The Convertible Note Hedge Transactions are recorded in additional paid-

in capital in the Balance Sheets as they do not require classification outside of equity pursuant to Accounting Standards Codification ("ASC") 480 and qualify for equity classification pursuant to ASC 815.

Warrant Transactions

On October 6, 2022 and on October 19, 2022, the Company separately entered into privately negotiated warrant transactions (the "Warrants") with the Counterparties whereby the holders of the Warrants have the option to acquire, collectively, subject to anti-dilution adjustments, approximately 8.6 million shares of the Company's common stock at an initial strike price of approximately $51.15 per share. The Warrants were sold in private placements to the Counterparties pursuant to an exemption from the registration requirements of the Securities Act of 1933, as amended (the "Securities Act"), afforded by Section 4(a)(2) of the Securities Act. If the market price per share of the common stock, as measured under the terms of the Warrants, exceeds the strike price of the Warrants, the Warrants could have a dilutive effect on the common stock, unless the Company elects, subject to certain conditions, to settle the Warrants in cash. The Warrants will expire over a period beginning in February 2028.

The Warrants are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Warrants. The Company received aggregate proceeds of approximately $42.9 million from the sale of the Warrants to the Counterparties. The Warrants are recorded in additional paid-in capital in the Balance Sheets as they do not require classification outside of equity pursuant to ASC 480 and qualify for equity classification pursuant to ASC 815.

In combination, the Convertible Note Hedge Transactions and the Warrants are intended to synthetically increase the strike price of the conversion option of the 2027 Notes from approximately $37.27 to $51.15 (subject to adjustment in accordance with the terms of the agreements governing such transactions), with the expected result of reducing the dilutive effect of the 2027 Notes in exchange for a net cash premium of $29.7 million.

Convertible Senior Notes Due 2028

On October 26, 2023, the Company issued and sold $250.0 million in aggregate principal amount of 4.00% Convertible Senior Notes due 2028 (the "2028 Notes") in a private placement. The 2028 Notes were issued pursuant to an indenture, dated October 26, 2023, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2028 Indenture"). The 2028 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Company's current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2028 Notes bear interest at a rate of 4.00% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2024. The 2028 Notes will mature on November 1, 2028, unless earlier converted, redeemed or repurchased. As of July 28, 2024, approximately $62.0 million of the 2028 Notes remained outstanding.

The initial conversion rate of the 2028 Notes is 49.0810 shares of the Company's common stock per $1,000 principal amount of 2028 Notes (which is equivalent to an initial conversion price of approximately $20.37 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2028 Indenture but will not be adjusted for accrued and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2028 Indenture) or if the Company delivers a Notice of Redemption (as defined in the 2028 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2028 Indenture for a holder who elects to convert its 2028 Notes in connection with such Make-Whole Fundamental Change or to convert its 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption in connection with such Notice of Redemption, as the case may be.

Prior to the close of business on the business day immediately preceding August 1, 2028, the 2028 Notes will be convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ended on January 28, 2024 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2028 Indenture), as determined following a request by a holder of the 2028 Notes in accordance with the procedures described in the Indenture, per $1,000 principal amount of the 2028 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2028 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2028 Indenture. As of July 28, 2024, one of the conditions allowing the holders of the 2028 Notes to convert had been met. The trading price of the Company's common stock remained above 130% of the applicable $20.37 conversion price for at least 20 trading days during the 30 consecutive-trading day period ending on, and including July 26, 2024 (the last trading day of the fiscal quarter ended July 28, 2024) resulting in the right of

the holders of the 2028 Notes to convert the 2028 Notes beginning July 29, 2024 through October 25, 2024 (the last trading day of the fiscal quarter ending October 27, 2024).

In addition, on or after August 1, 2028 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2028 Notes, holders of the 2028 Notes may convert all or a portion of their 2028 Notes, regardless of the foregoing conditions. Upon conversion, the 2028 Notes will be settled in cash up to the aggregate principal amount of the 2028 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Company's option, in respect of the remainder, if any, of the Company's conversion obligation in excess of the aggregate principal amount of the 2028 Notes being converted.

The Company may not redeem the 2028 Notes prior to November 5, 2026. The Company may redeem for cash all or any portion of the 2028 Notes (subject to the limitation described below), at the Company's option, on or after November 5, 2026 and before the 41st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Company's common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2028 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2028 Notes, at least $75.0 million aggregate principal amount of the 2028 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2028 Notes.

Upon the occurrence of a Fundamental Change (as defined in the 2028 Indenture) prior to the maturity date of the 2028 Notes, holders of the 2028 Notes may require the Company to repurchase all or a portion of the 2028 Notes for cash at a price equal to 100% of the principal amount of the 2028 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2028 Indenture).

Exchange of 2028 Notes

On July 11, 2024 and July 15, 2024, the Company entered into separate, privately negotiated exchange agreements (the "Exchange Agreements") with certain holders of the 2028 Notes. Pursuant to the Exchange Agreements, on July 24, 2024 certain holders exchanged with the Company approximately $188.1 million in aggregate principal amount of the 2028 Notes held by them for an aggregate of 10,378,431 shares of the Company's common stock, which number of shares was determined over an averaging period that commenced on July 12, 2024. The Company accounted for these exchange transactions as a partial debt extinguishment and recognized a loss on extinguishment of debt equal to the difference between the fair value of the Company's common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the three and six months ended July 28, 2024, in connection with the exchange transactions, the Company recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations and $5.5 million of loss resulting from the write-off of deferred financing costs included in "Interest expense" in the Statements of Operations.

Interest Expense

Interest expense was comprised of the following components for the periods presented:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Contractual interest	$ 23,502	$ 24,156	$ 47,147	$ 45,397
Interest swap agreement	(2,800)	(2,445)	(5,595)	(4,590)
Amortization of deferred financing costs	2,379	1,689	4,758	3,103
Write-off of deferred financing costs	5,497	771	5,497	771
Total interest expense	$ 28,578	$ 24,171	$ 51,807	$ 44,681

As of July 28, 2024 and January 28, 2024, there was $2.9 million outstanding under the letters of credit, swing line loans and alternative currency sub-facilities under the Revolving Credit Facility.

XML 35 R17.htm IDEA: XBRL DOCUMENT

Income Taxes

6 Months Ended
Jul. 28, 2024

Income Tax Disclosure [Abstract]

Income Taxes

Income Taxes

The Company's effective tax rate differs from the statutory federal income tax rate of 21% primarily due to the regional mix of income, changes in valuation allowance, research and development ("R&D") tax credits and nondeductible loss on extinguishment of debt. The Tax Cuts and Jobs Act requires R&D costs incurred for tax years beginning after December 31, 2021 to be capitalized and amortized ratably over five or fifteen years for tax purposes, depending on where the research activities are conducted. The Company has elected to treat global intangible low-taxed income ("GILTI") as a period cost and the additional capitalization of R&D costs within GILTI increases the Company's provision for income taxes.

In December 2021, the Organization for Economic Cooperation and Development ("OECD") published a framework for a new global minimum tax of 15% ("Pillar Two") on income arising in low-tax jurisdictions, and certain governments in countries where the Company operates have enacted local Pillar Two legislation, with an effective date from January 1, 2024. The Company currently does not expect Pillar Two to have a material impact on its provision for income taxes; however, any future changes in OECD guidance or interpretations could adversely impact the Company's initial assessment.

The Company uses a two-step approach to recognize and measure uncertain tax positions ("UTP"). The first step is to evaluate the tax position for recognition by determining if the weight of available evidence indicates that it is more likely than not that the position will be sustained in audit, including resolution of related appeals or litigation processes, if any. The second step is to measure the tax benefit as the largest amount that is more than 50% likely of being realized upon ultimate settlement.

A reconciliation of the beginning and ending amount of gross unrecognized tax benefits (before the federal impact of state items) is as follows:

(in thousands)	
Balance at January 28, 2024	$ 36,548
Additions based on tax positions related to the current fiscal year	588
Decreases based on tax positions related to prior fiscal years	(33)
Balance at July 28, 2024	$ 37,103

Included in the balance of gross unrecognized tax benefits at July 28, 2024 and January 28, 2024 are $14.8 million and $14.6 million, respectively, of net tax benefits (after the federal impact of state items), that, if recognized, would impact the effective tax rate, prior to consideration of any required valuation allowance.

The liability for UTP is reflected in the Balance Sheets as follows:

(in thousands)	July 28, 2024	January 28, 2024
Deferred tax assets - non-current	$ 20,901	$ 20,519
Other long-term liabilities	14,798	14,632
Total accrued taxes	$ 35,699	$ 35,151

The Company's policy is to include net interest and penalties related to unrecognized tax benefits in the "Provision (benefit) for income taxes" in the Statements of Operations.

Tax years prior to 2013 (the Company's fiscal year 2014) are generally not subject to examination by the U.S. Internal Revenue Service except for items involving tax attributes that have been carried forward to tax years whose statute of limitations remains open. For state returns in the U.S., the Company is generally not subject to income tax examinations for calendar years prior to 2012 (the Company's fiscal year 2013). The Company has a significant tax presence in Switzerland for which Swiss tax filings have been examined through fiscal year 2020. The Company is also subject to routine examinations by various foreign tax jurisdictions in which it operates. The Company believes that adequate provisions have been made for any adjustments that may result from tax examinations. However, the outcome of tax examinations cannot be predicted with certainty. If any issues addressed in the Company's tax examinations are resolved in a manner not consistent with the Company's expectations, the Company could be required to adjust its provision for income taxes in the period such resolution occurs.

The Company's regional income or loss before taxes and equity method income or loss was as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Domestic	$ (170,591)	$ (73,470)	$ (189,460)	$ (92,311)
Foreign	4,511	(251,929)	3,127	(264,915)
Total	$ (166,080)	$ (325,399)	$ (186,333)	$ (357,226)

XML 36 R18.htm IDEA: XBRL DOCUMENT

Leases

6 Months Ended
Jul. 28, 2024

Leases [Abstract]

Leases

Leases

The Company has operating leases for real estate, vehicles, and office equipment, which are accounted for in accordance with ASC 842, "Leases." Real estate leases are used to secure office space for the Company's administrative, engineering, production support and manufacturing activities. The Company's leases have remaining lease terms of up to approximately eight years, some of which include options to extend the leases for up to five years, and some of which include options to terminate the leases within one year.

The components of lease expense were as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Operating lease cost	$ 1,807	$ 2,167	$ 3,697	$ 4,316
Short-term lease cost	19	484	163	1,093
Sublease income	(140)	(162)	(296)	(320)
Total lease cost	$ 1,686	$ 2,489	$ 3,564	$ 5,089

Supplemental cash flow information related to leases was as follows:

	Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023
Cash paid for amounts included in the measurement of lease liabilities	$ 4,035	$ 4,280
Right-of-use assets obtained in exchange for new operating lease liabilities	$ 2,428	$ 2,696

	July 28, 2024
Weighted-average remaining lease term–operating leases (in years)	5.1
Weighted-average discount rate on remaining lease payments–operating leases	7.0 %

Supplemental balance sheet information related to leases was as follows:

(in thousands)	July 28, 2024	January 28, 2024
Operating lease right-of-use assets in "Other assets"	$ 23,501	$ 23,870
Operating lease liabilities in "Accrued liabilities"	$ 6,599	$ 6,560
Operating lease liabilities in "Other long-term liabilities"	20,692	22,033
Total operating lease liabilities	$ 27,291	$ 28,593

Maturities of lease liabilities as of July 28, 2024 are as follows:

(in thousands)	
Fiscal Year Ending:	
2025 (remaining six months)	$ 4,560
2026	7,495
2027	5,603
2028	5,073
2029	4,193
Thereafter	5,966
Total lease payments	32,890
Less: imputed interest	(5,599)
Total	$ 27,291

XML 37 R19.htm IDEA: XBRL DOCUMENT

Commitments and Contingencies

6 Months Ended
Jul. 28, 2024

Commitments and Contingencies Disclosure [Abstract]

Commitments and Contingencies

Commitments and Contingencies

Legal Matters

From time to time, the Company is involved in various claims, litigation, and other legal actions that are normal to the nature of its business, including with respect to intellectual property, contract, product liability, employment, and environmental matters. In accordance with ASC 450-20, "Loss Contingencies," the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if material and if the amount can be reasonably estimated. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. However, for liabilities that are reasonably possible but not probable, the Company discloses the amount of reasonably possible loss or range of reasonably possible loss, if material and if the amount can be reasonably estimated. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to various reasons, including, among others: (i) if the damages sought are indeterminate, (ii) if the proceedings are in early stages, (iii) if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv) if there are significant factual issues to be determined or resolved, and (v) if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any.

Because the outcomes of litigation and other legal matters are inherently unpredictable, the Company's evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Company's financial condition and results of operations in any given reporting period. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's financial condition, results of operations or cash flows. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Company's control.

As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Company's business, financial condition, operating results, or cash flows.

On June 14, 2022, Denso Corporation, and several of its affiliates (collectively "Denso"), filed a complaint against Sierra Wireless and several of its affiliates ("Sierra Entities") in the Superior Court of California, County of San Diego. Denso asserted eight causes of action, including claims for breach of express and implied warranties, equitable indemnification, negligent and intentional misrepresentation, unjust enrichment, promissory estoppel, and declaratory judgment, based on an alleged defect related to the GPS week number rollover date. Denso alleged that it incurred in excess of $84 million in damages and costs to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Denso filed an amended complaint on September 23, 2022, asserting essentially the same eight causes of action. After briefing on a demurrer and initial discovery, the parties' reached a settlement agreement on September 18, 2023 with payments to Denso to be made in four quarterly installments. The final installment payment was made in June 2024 and the case was dismissed with prejudice.

On March 25, 2022, Harman Becker Automotive Systems GmbH, and several of its affiliates (collectively "Harman"), filed a complaint against certain Sierra Entities in the District Court of Munich, Germany. Harman asserted claims that the Sierra Entities, in connection with the delivery of certain modules by the Sierra Entities, violated a frame supply agreement, a quality assurance agreement and the United Nations Convention on Contracts for the International Sales of Goods. Harman alleged that it incurred approximately $16 million in damages and costs, the bulk of which amount related to settling with a customer that had to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Since the case is at an early stage, at this time, the Company is unable to form a conclusion as to the likelihood of an unfavorable outcome or the amount or range of any possible loss resulting from the alleged claims. The Company intends to defend the claims vigorously.

Environmental Matters

The Company vacated a former facility in Newbury Park, California in 2002, but continues to address groundwater and soil contamination at the site. The Company's efforts to address site conditions have been at the direction of the Los Angeles Regional Water Quality Control Board ("RWQCB"). In October 2013, an order was issued including a scope of proposed additional site work, monitoring, and remediation activities. The Company has been complying with RWQCB orders and
direction, and continues to implement an approved remedial action plan addressing the soil, groundwater, and soil vapor at the site.

The Company has accrued liabilities where it is probable that a loss will be incurred and the cost or amount of loss can be reasonably estimated. Based on the latest determinations by the RWQCB and the most recent actions taken pursuant to the remedial action plan, the Company estimates the total range of probable loss to be between $7.9 million and $9.4 million. To date, the Company has made $7.3 million in payments towards the remedial action plan. As of July 28, 2024, the estimated range of probable loss remaining was between $0.6 million and $2.1 million. Given the uncertainties associated with environmental assessment and the remediation activities, the Company is unable to determine a best estimate within the range of loss. Therefore, the Company has recorded the minimum amount of probable loss and as of July 28, 2024, has a remaining accrual of $0.6 million related to this matter. These estimates could change as a result of changes in planned remedial actions, further actions from the regulatory

agency, remediation technology, and other factors.

Indemnification

The Company has entered into agreements with its current and former executives and directors indemnifying them against certain liabilities incurred in connection with the performance of their duties. The Company's Certificate of Incorporation and Bylaws also contain indemnification obligations with respect to the Company's current directors and employees.

The Company is a party to a variety of agreements in the ordinary course of business under which the Company may be obligated to indemnify a third party with respect to certain matters. The impact on the Company's future financial results is not subject to reasonable estimation because considerable uncertainty exists as to the final outcome of any claims and whether claims will be made.

Product Warranties

The Company's general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances, the Company has agreed to other or additional warranty terms, including indemnification provisions.

The product warranty accrual reflects the Company's best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense and the related accrual has been immaterial to the Company's consolidated financial statements.

Licenses

Under certain license agreements, the Company is committed to make royalty payments based on the sales of products using certain technologies. The Company recognizes royalty obligations as determinable in accordance with agreement terms.

Deferred Compensation

The Company maintains a deferred compensation plan for certain officers and key executives that allows participants to defer a portion of their compensation for future distribution at various times permitted by the plan. This plan provides for a discretionary Company match up to a defined portion of the employee's deferral, with any match subject to a defined vesting schedule.

The Company's liability for the deferred compensation plan is presented below:

(in thousands)	July 28, 2024	January 28, 2024
Accrued liabilities	$ 4,015	$ 7,412
Other long-term liabilities	33,160	32,288
Total deferred compensation liabilities under this plan	$ 37,175	$ 39,700

The Company has purchased whole life insurance on the lives of certain current deferred compensation plan participants. This corporate-owned life insurance is held in a grantor trust and is intended to cover a majority of the Company's costs of the deferred compensation plan.

The cash surrender value of the Company's corporate-owned life insurance is presented below:

(in thousands)	July 28, 2024	January 28, 2024
Other current assets	$ —	$ 4,538
Other assets	27,451	25,098
Total cash surrender value of corporate-owned life insurance	$ 27,451	$ 29,636

XML 38 R20.htm IDEA: XBRL DOCUMENT

Restructuring

6 Months Ended
Jul. 28, 2024

Restructuring and Related Activities [Abstract]

Restructuring — Restructuring

The Company has undertaken structural reorganization actions to reduce its workforce as a result of cost-saving measures and internal resource alignment including from the realization of synergies of the Sierra Wireless Acquisition. The Company had restructuring charges of $1.5 million and $3.8 million in the three and six months ended July 28, 2024, respectively, compared to restructuring charges of $9.8 million and $11.8 million in the three and six months ended July 30, 2023, respectively. Restructuring related liabilities are included in "Accrued liabilities" in the Balance Sheets.

Restructuring activity is summarized as follows:

(in thousands)	One-time employee termination benefits	Other restructuring	Total
Balance at January 28, 2024	$ 5,799	$ 478	$ 6,277
Charges	3,706	104	3,810
Cash payments	(7,487)	(548)	(8,035)
Balance at July 28, 2024	$ 2,018	$ 34	$ 2,052

Restructuring charges were included in the Statements of Operations as follows:

	Three Months Ended		Six Months Ended	
(in thousands)	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Cost of sales	$ —	$ 362	$ —	$ 859
Restructuring	1,541	9,399	3,810	10,962
Total restructuring charges	$ 1,541	$ 9,761	$ 3,810	$ 11,821

XML 39 R21.htm IDEA: XBRL DOCUMENT

Concentration of Risk

6 Months Ended
Jul. 28, 2024

Risks and Uncertainties [Abstract]

Concentration of Risk — Concentration of Risk

The following significant customers accounted for at least 10% of the Company's net sales in one or more of the periods indicated:

	Three Months Ended		Six Months Ended	
(percentage of net sales) [1]	July 28, 2024	July 30, 2023	July 28, 2024	July 30, 2023
Frontek Technology Corporation (and affiliates)	13%	*	13%	*
Trend-tek Technology Ltd. (and affiliates)	10%	*	10%	*

[1] In each period with an asterisk, the customer represented less than 10% of the Company's net sales.

The following table shows the customers that have an outstanding receivable balance that represents at least 10% of the Company's total net receivables as of one or more of the dates indicated:

(percentage of net receivables) [1]	July 28, 2024	January 28, 2024
Frontek Technology Corporation (and affiliates)	14%	15%
Trend-tek Technology Ltd (and affiliates)	12%	*

[1] In each period with an asterisk, the customer represented less than 10% of the Company's total net receivables.

Outside Subcontractors and Suppliers

The Company relies on a limited number of third-party subcontractors and suppliers for the supply of silicon wafers, chipsets and other electronic components, and for product manufacturing, packaging, testing and certain other tasks. Disruption or termination of supply sources or subcontractors have delayed and could in the future delay shipments and could have a material adverse effect on the Company. Although there are generally alternate sources for these materials and services, qualification of the alternate sources could cause delays sufficient to have a material adverse effect on the Company. A significant amount of the Company's third-party subcontractors and suppliers, including third-party foundries that supply silicon wafers, are located in the U.S., China, and Taiwan. A significant amount of the Company's assembly and test operations are conducted by third-party contractors in China, Malaysia, Mexico, Taiwan, and Vietnam.

XML 40 R22.htm IDEA: XBRL DOCUMENT

Segment Information

6 Months Ended
Jul. 28, 2024

Segment Reporting [Abstract]

Segment Information — Segment Information

The Company's Chief Executive Officer functions as the chief operating decision maker ("CODM"). The CODM makes operating decisions and assesses performance based on the Company's major product lines, which represent its operating segments. The Company currently has three operating segments—Signal Integrity, Analog Mixed Signal and Wireless, and IoT Systems and Connectivity—that represent three separate reportable segments.

Prior to the fourth quarter of fiscal year 2024, the Company had four operating segments—Signal Integrity, Advanced Protection and Sensing, IoT Systems and IoT Connected Services. In the fourth quarter of fiscal year 2024, as a result of organizational restructuring, the wireless business, which was previously included in the former IoT Systems operating segment, and the software defined video over ethernet business, which was previously included in the Signal Integrity operating segment, were moved into the Analog Mixed Signal and Wireless operating segment, formerly the Advanced Protection and Sensing operating segment, which also includes the proximity sensing, power and protection businesses. In the first quarter of fiscal year 2025, as a result of organizational restructuring, the Company combined the IoT Systems operating segment and the IoT Connected Services operating segment into the newly formed IoT Systems and Connectivity operating segment. As a result of the reorganization, the Company has three reportable segments. All prior year information in the tables below has been revised retrospectively to reflect the change to the Company's reportable segments.

The Company's assets are commingled among the various operating segments and the CODM does not use asset information in making operating decisions or assessing performance. Therefore, the Company has not included asset information by reportable segment in the segment disclosures below.

Net sales and gross profit by reportable segment were as follows:

	Three Months Ended				Six Months Ended			
(in thousands)	July 28, 2024		July 30, 2023		July 28, 2024		July 30, 2023	
Net sales:								
Signal Integrity	$ 59,434	28 %	$ 46,126	19 %	$ 117,733	28 %	$ 87,017	18 %
Analog Mixed Signal and Wireless	79,311	37 %	69,989	29 %	154,655	37 %	129,608	27 %
IoT Systems and Connectivity	76,610	35 %	122,257	52 %	149,072	35 %	258,286	55 %
Total net sales	$ 215,355	100 %	$ 238,372	100 %	$ 421,460	100 %	$ 474,911	100 %
Gross profit:								
Signal Integrity	$ 36,768		$ 27,606		$ 71,529		$ 52,093	
Analog Mixed Signal and Wireless	45,399		43,123		86,103		79,597	
IoT Systems and Connectivity	27,111		47,349		54,205		101,157	
Unallocated costs, including share-based compensation and amortization of acquired technology	(3,814)		(17,350)		(6,781)		(29,173)	
Total gross profit	$ 105,464		$ 100,728		$ 205,056		$ 203,674	

Geographic Information

Net sales activity by geographic region was as follows:

(percentage of total net sales)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Asia-Pacific	65%	62%	64%	57%
North America	21%	24%	22%	28%
Europe	14%	14%	14%	15%
	100%	100%	100%	100%

The Company attributes sales to a country based on the ship-to address. The table below summarizes sales activity to geographies that represented greater than 10% of total sales for at least one of the periods presented:

(percentage of total net sales)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
China (including Hong Kong)	45%	29%	44%	27%
United States	20%	23%	20%	25%

Although a large percentage of the Company's products is shipped into the Asia-Pacific region, a significant number of products produced by these customers and incorporating the Company's semiconductor products are then sold outside this region.

Sales by Revenue Type

Net sales by revenue type were as follows:

(in thousands)	Three Months Ended July 28, 2024		Three Months Ended July 30, 2023		Six Months Ended July 28, 2024		Six Months Ended July 30, 2023	
Net sales:								
Product sales	$ 185,966	86 %	$ 210,196	88 %	$ 363,455	86 %	$ 417,577	88 %
Service revenue	29,389	14 %	28,176	12 %	58,005	14 %	57,334	12 %
Total net sales	$ 215,355	100 %	$ 238,372	100 %	$ 421,460	100 %	$ 474,911	100 %

XML 41 R23.htm IDEA: XBRL DOCUMENT

Stock Repurchase Program	**6 Months Ended Jul. 28, 2024**
Equity [Abstract]	
Stock Repurchase Program	Stock Repurchase ProgramThe Company maintains a stock repurchase program that was initially approved by its board of directors (the "Board of Directors") in March 2008. The stock repurchase program does not have an expiration date and the Board of Directors has authorized expansion of the program over the years. On March 11, 2021, the Board of Directors approved the expansion of the stock repurchase program by an additional $350.0 million. There was no activity under the stock repurchase program during the three and six months ended July 28, 2024 and July 30, 2023. As of July 28, 2024, the remaining authorization under the program was $209.4 million. Under the program, the Company may repurchase its common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. The Company's repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. To the extent the Company repurchases any shares of its common stock under the program in the future, the Company expects to fund such repurchases from cash on hand and borrowings on its Revolving Credit Facility. The Company has no obligation to repurchase any shares under the program and may suspend or discontinue it at any time.

XML 42 R24.htm IDEA: XBRL DOCUMENT

Derivatives and Hedging Activities	**3 Months Ended May 02, 2021**
Derivative Instruments and Hedging Activities Disclosure [Abstract]	
Derivatives and Hedging Activities	Derivatives and Hedging Activities

The Company is exposed to certain risks arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company occasionally uses derivative financial instruments, in the form of forward contracts, to mitigate a portion of the risk associated with adverse movements in these foreign currency exchange rates during a twelve-month window. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date. The Company's accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company applied hedge accounting to all foreign currency derivatives and designated these hedges as cash flow hedges.

The Company's foreign currency forward contracts had the following outstanding balances:

(in thousands, except number of instruments)	July 28, 2024 Number of Instruments	July 28, 2024 Sell Notional Value	July 28, 2024 Buy Notional Value	January 28, 2024 Number of Instruments	January 28, 2024 Sell Notional Value	January 28, 2024 Buy Notional Value
Sell USD/Buy CAD Forward Contract	4	$ 5,115	$ 6,950	10	$ 12,899	$ 17,550
Total	4			10		

These foreign currency forward contracts were designated as cash flows hedges and the unrealized gains or losses, net of tax, were recorded as a component of "Accumulated other comprehensive income or loss, net" ("AOCI") in the Balance Sheets. The effective portions of the cash flow hedges were recorded in AOCI until the hedged items were recognized in either "Selling, general and administrative expense" or "Product development and engineering expense" in the Statements of Operations once the foreign exchange contract matured, offsetting the underlying hedged expenses. Any ineffective portions of the cash flow hedges were recorded in "Non-operating income, net" in the Statements of Operations. The Company presents its derivative assets and liabilities at their gross fair values in the Balance Sheets.

In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.58%, plus a variable margin and spread based on the Company's consolidated leverage ratio.

In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a Term SOFR rate of 3.44%, plus a variable margin and spread based on the Company's consolidated leverage ratio.

The interest rate swap agreements have been designated as cash flow hedges and unrealized gains or losses, net of income tax, are recorded as a component of AOCI in the Balance Sheets. As the various settlements are made on a monthly basis, the realized gain or loss on the settlements are recorded in "Interest expense" in the Statements of Operations. The interest rate swap agreements resulted in a realized gain of $2.8 million for the three months ended July 28, 2024, compared to a realized gain of $2.4 million for the three months ended July 30, 2023. The interest rate swap agreements resulted in a realized gain of $5.6 million for the six months ended July 28, 2024, compared to a realized gain of $4.6 million for the six months ended July 30, 2023.

The fair values of the Company's instruments that qualify as cash flow hedges in the Balance Sheets were as follows:

(in thousands)	July 28, 2024	January 28, 2024
Interest rate swap agreement	$ 6,774	$ 7,144
Foreign currency forward contracts	—	168
Total other current assets	$ 6,774	$ 7,312
Interest rate swap agreement	$ 862	$ 178
Total other long-term assets	$ 862	$ 178
Foreign currency forward contracts	$ 80	$ —
Total accrued liabilities	$ 80	$ —
Interest rate swap agreement	—	7
Total other long-term liabilities	$ —	$ 7

During fiscal year 2021, the Company entered into an economic hedge program that used total return swap contracts to hedge the market risk associated with the unfunded portion of the Company's deferred compensation liability. The total return swap contracts generally had a duration of one month and were rebalanced and re-hedged at the end of each monthly term. While the total return swap contracts were treated as economic hedges, the Company did not designate them as hedges for accounting purposes. The total return swap contracts were measured at fair value and recognized in the Balance Sheets in "Accrued Liabilities" if the instruments were in a loss position and in "Other Current Assets" if the instruments were in a gain position. Unrealized gains and losses, as well as realized gains and losses for settlements, on the total return swap contracts were recognized in "Selling, general and administrative expenses" in the Statements of Operations. The total return swap contracts, which matured during fiscal year 2024, resulted in net gains recognized in earnings of $0.3 million and $0.2 million for the three and six months ended July 30, 2023, respectively.

XML 43 R25.htm IDEA: XBRL DOCUMENT

Pay vs Performance Disclosure - USD ($) $ in Thousands	**3 Months Ended Jul. 28, 2024**	**3 Months Ended Jul. 30, 2023**	**6 Months Ended Jul. 28, 2024**	**6 Months Ended Jul. 30, 2023**
Pay vs Performance Disclosure				
Net loss attributable to common stockholders	$ (170,295)	$ (382,002)	$ (193,454)	$ (411,417)

XML 44 R26.htm IDEA: XBRL DOCUMENT

Insider Trading Arrangements	**3 Months Ended Jul. 28, 2024**
Trading Arrangements, by Individual	
Rule 10b5-1 Arrangement Adopted	false
Non-Rule 10b5-1 Arrangement Adopted	false
Rule 10b5-1 Arrangement Terminated	false
Non-Rule 10b5-1 Arrangement Terminated	false

XML 45 R27.htm IDEA: XBRL DOCUMENT

Organization and Basis of Presentation (Policy)	**6 Months Ended Jul. 28, 2024**
Organization, Consolidation and Presentation of Financial Statements	

[Abstract]

Basis of Presentation

Basis of Presentation

The Company reports results on the basis of 52 and 53-week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The second quarter of fiscal years 2025 and 2024 each consisted of 13 weeks.

Principles of Consolidation

Principles of Consolidation

The accompanying interim unaudited condensed consolidated financial statements include the accounts of the Company and its majority-owned subsidiaries and have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended January 28, 2024 ("Annual Report"). The Company's interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations," the Company's interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets," and the Company's interim unaudited condensed consolidated statements of cash flows are referred to herein as the "Statements of Cash Flows." In the opinion of the Company, these interim unaudited condensed consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position and results of operations of the Company for the interim periods presented. All intercompany balances have been eliminated. Because the interim unaudited condensed consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report. The results reported in these interim unaudited condensed consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year.

Use of Estimates

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Reclassifications

During the third quarter of fiscal year 2024, the Company reclassified restructuring costs that were included in "Selling, general and administrative" and "Product development and engineering" within "Total operating expenses, net" in the Statements of Operations to be separately presented in "Restructuring" within "Total operating expenses, net" in the Statements of Operations. This was applied retrospectively and resulted in the reclassification of $5.4 million and $5.8 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Selling, general and administrative" and $4.0 million and $5.2 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Product development and engineering" to "Restructuring" in the Statements of Operations. This reclassification did not impact the Company's gross profit, operating income, net income or earnings per share for any historical periods and also did not impact the Balance Sheets or Statements of Cash Flows.

Earnings Per Share

Diluted earnings or loss per share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options and the vesting of restricted stock units, market-condition restricted stock units and financial metric-based restricted stock units if certain conditions have been met, but excludes such incremental shares that would have an anti-dilutive effect. Due to the Company's net loss for the three and six months ended July 28, 2024, all shares underlying stock options and restricted stock units are considered anti-dilutive.

Inventory

Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value

Interest and Penalties on Unrecognized Tax Benefits

The Company's policy is to include net interest and penalties related to unrecognized tax benefits in the "Provision (benefit) for income taxes" in the Statements of Operations.

Commitments and Contingencies

In accordance with ASC 450-20, "Loss Contingencies," the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if material and if the amount can be reasonably estimated. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. However, for liabilities that are reasonably possible but not probable, the Company discloses the amount of reasonably possible loss or range of reasonably possible loss, if material and if the amount can be reasonably estimated. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to various reasons, including, among others: (i) if the damages sought are indeterminate, (ii) if the proceedings are in early stages, (iii) if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv) if there are significant factual issues to be determined or resolved, and (v) if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any.

Because the outcomes of litigation and other legal matters are inherently unpredictable, the Company's evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Company's financial condition and results of operations in any given reporting period. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's financial condition, results of operations or cash flows. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Company's control.

As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Company's business, financial condition, operating results, or cash flows.

Product Warranties

The Company's general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances, the Company has agreed to other or additional warranty terms, including indemnification provisions.

The product warranty accrual reflects the Company's best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense and the related accrual has been immaterial to the Company's consolidated financial statements.

Licenses

Under certain license agreements, the Company is committed to make royalty payments based on the sales of products using certain technologies. The Company recognizes royalty obligations as determinable in accordance with agreement terms.

Derivatives

The Company is exposed to certain risks arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company occasionally uses derivative financial instruments, in the form of forward contracts, to mitigate a portion of the risk associated with adverse movements in these foreign currency exchange rates during a twelve-month window. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date. The Company's accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company applied hedge accounting to all foreign currency derivatives and designated these hedges as cash flow hedges.

Recent Accounting Pronouncements

Recent Accounting Pronouncements

In December 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, to require public business entities to disclose sufficient information to enable users of financial statements to understand the nature and magnitude of factors contributing to the difference between the effective tax rate and the statutory tax rate. The amendments in this update provide that a business entity disclose (1) a tabular income tax rate reconciliation, using both percentages and amounts, (2) separate disclosure of any individual reconciling items that are equal to or greater than 5% of the amount computed by multiplying the income (loss) from continuing operations before income taxes by the applicable statutory income tax rate, and disaggregation of certain items that are significant and (3) amount of income taxes paid (net of refunds received) disaggregated by federal, state and foreign jurisdictions, including separate disclosure of any individual jurisdictions representing greater than 5% of total income taxes paid. The amendments are effective for the Company for fiscal years beginning after December 15, 2024. Early adoption is permitted and entities may apply the amendments prospectively or may elect retrospective application. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.

In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify the circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment, and contain other disclosure requirements. The amendments require retrospective application to all periods presented. The amendments are effective for the Company for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements.

XML 46 R28.htm IDEA: XBRL DOCUMENT

Acquisition (Tables)

[Business Combination and Asset Acquisition [Abstract]]

Schedule of Business Acquisitions, by Acquisition

The following table presents the fair values of assets and liabilities assumed on the Acquisition Date based on valuations and management's estimates:

(in thousands)	Amounts recognized as of Acquisition Date (as initially reported)	Measurement period adjustment	Amounts recognized as of Acquisition Date (as adjusted)
	6 Months Ended Jul. 28, 2024		
Total purchase price consideration, net of cash acquired $68,794	$ 1,240,757		$ 1,240,757
Assets:			
Accounts receivable, net	92,633	—	92,633
Inventories	96,339	(1,899)	94,440
Other current assets	72,724	5,003	77,727
Property, plant and equipment	29,086	(2,628)	26,458
Intangible assets	214,780	—	214,780
Prepaid taxes	3,001	—	3,001
Deferred tax assets	22,595	285	22,880
Other assets	14,878	—	14,878
Liabilities:			
Accounts payable	50,413	210	50,623
Accrued liabilities	148,654	26,232	174,886
Deferred tax liabilities	4,824	350	5,174
Other long-term liabilities	32,785	(2,106)	30,679
Net assets acquired, excluding goodwill	$ 309,360	$ (23,925)	$ 285,435
Goodwill	$ 931,397	$ 23,925	$ 955,322

XML 47 R29.htm IDEA: XBRL DOCUMENT

Loss per Share (Tables)

[Earnings Per Share [Abstract]]

Computation of Basic and Diluted Earnings Per Common Share

	6 Months Ended Jul. 28, 2024
The computation of basic and diluted loss per share was as follows:	

(in thousands, except per share data)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Net loss attributable to common stockholders	$ (170,295)	$ (382,002)	$ (193,454)	$ (411,417)
Weighted-average shares outstanding–basic	65,281	64,005	64,895	63,964
Weighted-average shares outstanding–diluted	65,281	64,005	64,895	63,964
Loss per share:				
Basic	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Diluted	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Anti-dilutive shares not included in the above calculations:				
Share-based compensation	911	2,593	888	2,462
Warrants	8,573	8,573	8,573	8,573
Total anti-dilutive shares	9,484	11,166	9,461	11,035

XML 48 R30.htm IDEA: XBRL DOCUMENT

Share-Based Compensation (Tables)

6 Months Ended
Jul. 28, 2024

Share-Based Payment Arrangement, Noncash Expense [Abstract]

Allocation Of Stock-Based Compensation

Pre-tax share-based compensation was included in the Statements of Operations as follows:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Cost of sales	$ 714	$ 525	$ 1,396	$ 888
Selling, general and administrative	12,982	9,409	24,373	13,911
Product development and engineering	3,442	3,465	6,603	7,004
Total share-based compensation	$ 17,138	$ 13,399	$ 32,372	$ 21,803

XML 49 R31.htm IDEA: XBRL DOCUMENT

Available-for-sale securities (Tables)

6 Months Ended
Jul. 28, 2024

Investments [Abstract]

Summary of Investments

The following table summarizes the values of the Company's available-for-sale securities:

(in thousands)	July 28, 2024 Fair Value	July 28, 2024 Amortized Cost	July 28, 2024 Gross Unrealized Loss	January 28, 2024 Fair Value	January 28, 2024 Amortized Cost	January 28, 2024 Gross Unrealized Loss
Convertible debt investments	$ 12,294	$ 14,303	$ (2,009)	$ 12,117	$ 14,454	$ (2,337)
Total available-for-sale securities	$ 12,294	$ 14,303	$ (2,009)	$ 12,117	$ 14,454	$ (2,337)

Schedule of Investments, Classified by Maturity Period

The following table summarizes the maturities of the Company's available-for-sale securities:

(in thousands)	July 28, 2024 Fair Value	July 28, 2024 Amortized Cost
Within 1 year	$ 12,294	$ 14,303
After 1 year through 5 years	—	—
Total available-for-sale securities	$ 12,294	$ 14,303

XML 50 R32.htm IDEA: XBRL DOCUMENT

Fair Value Measurements (Tables)

6 Months Ended
Jul. 28, 2024

Fair Value Disclosures [Abstract]

Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis

The fair values of financial assets and liabilities measured and recorded at fair value on a recurring basis were presented in the Balance Sheets as follows:

(in thousands)	July 28, 2024 Total	July 28, 2024 (Level 1)	July 28, 2024 (Level 2)	July 28, 2024 (Level 3)	January 28, 2024 Total	January 28, 2024 (Level 1)	January 28, 2024 (Level 2)	January 28, 2024 (Level 3)
Financial assets:								
Interest rate swap agreement	$ 7,636	$ —	$ 7,636	$ —	$ 7,321	$ —	$ 7,321	$ —
Convertible debt investments	12,294	—	—	12,294	12,117	—	—	12,117
Foreign currency forward contracts	—	—	—	—	169	—	169	—
Total financial assets	$ 19,930	$ —	$ 7,636	$ 12,294	$ 19,607	$ —	$ 7,490	$ 12,117
Financial liabilities:								
Interest rate swap agreement	$ —	$ —	$ —	$ —	$ 7	$ —	$ 7	$ —
Foreign currency forward contracts	80	—	80	—	—	—	—	—
Total financial liabilities	$ 80	$ —	$ 80	$ —	$ 7	$ —	$ 7	$ —

Fair Value, Assets Measured on Recurring Basis

The following table presents a reconciliation of the changes in convertible debt investments in the six months ended July 28, 2024:

(in thousands)	
Balance at January 28, 2024	$ 12,117
Sales	(222)
Interest accrued	399
Balance at July 28, 2024	$ 12,294

Schedule of Carrying Values and Estimated Fair Values of Debt Instruments

The following table displays the carrying values and fair values of the 2027 Notes and 2028 Notes:

(in thousands)	Fair Value Hierarchy	July 28, 2024 Carrying Value	July 28, 2024 Fair Value	January 28, 2024 Carrying Value	January 28, 2024 Fair Value
1.625% convertible senior notes due 2027, net [1]	Level 2	$ 311,768	$ 357,696	$ 310,563	$ 262,571
4.00% convertible senior notes due 2028, net [2]	Level 2	60,139	98,212	241,829	313,299
Total long-term debt, net of debt issuance costs		$ 371,907	$ 455,908	$ 552,392	$ 575,870

[1] The 1.625% convertible senior notes due 2027, net, are reflected net of $7.7 million and $8.9 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively.

[2] The 4.00% convertible senior notes due 2028, net, are reflected net of $1.8 million and $8.2 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively.

XML 51 R33.htm IDEA: XBRL DOCUMENT

Inventories (Tables)

6 Months Ended
Jul. 28, 2024

Inventory Disclosure [Abstract]

Summary of Inventories

Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value and consisted of the following:

(in thousands)	July 28, 2024	January 28, 2024
Raw materials and electronic components	$ 48,797	$ 46,425
Work in progress	83,396	69,404
Finished goods	23,818	29,163
Total inventories	$ 156,011	$ 144,992

XML 52 R34.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets (Tables)

6 Months Ended
Jul. 28, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Changes in Carrying Amounts of Goodwill

The carrying amounts of goodwill by applicable operating segment were as follows:

(in thousands)	Signal Integrity	Analog Mixed Signal and Wireless	IoT Systems and Connectivity	Total
Balance at January 28, 2024	$ 267,205	$ 83,101	$ 190,921	$ 541,227
Cumulative translation adjustment	—	—	(123)	(123)
Balance at July 28, 2024	$ 267,205	$ 83,101	$ 190,798	$ 541,104

Schedule of Acquired Finite-Lived Intangible Assets

The following table sets forth the Company's finite-lived intangible assets, which are amortized over their estimated useful lives:

(in thousands, except estimated useful life)	Estimated Useful Life	July 28, 2024 Gross Carrying Amount	Accumulated Amortization	Accumulated Impairment	Net Carrying Amount
Core technologies	1-8 years	$ 154,797	$ (39,525)	$ (91,792)	$ 23,480
Customer relationships	1-10 years	52,117	(13,476)	(34,777)	3,864
Trade name	2-10 years	9,000	(3,058)	(4,816)	1,126
Capitalized development costs	3 years	295	(49)	—	246
Total finite-lived intangible assets		$ 216,209	$ (56,108)	$ (131,385)	$ 28,716

(in thousands, except estimated useful life)	Estimated Useful Life	January 28, 2024 Gross Carrying Amount	Accumulated Amortization	Accumulated Impairment	Net Carrying Amount
Core technologies	1-8 years	$ 154,985	$ (35,130)	$ (91,792)	$ 28,063
Customer relationships	1-10 years	52,272	(13,391)	(34,777)	4,104
Trade name	2-10 years	9,000	(2,700)	(4,816)	1,484
Total finite-lived intangible assets		$ 216,257	$ (51,221)	$ (131,385)	$ 33,651

Finite-lived Intangible Assets Amortization Expense

Amortization expense of finite-lived intangible assets was as follows:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Core technologies	$ 2,279	$ 10,573	$ 4,560	$ 21,428
Customer relationships	114	4,080	228	8,170
Trade name	168	791	361	1,583
Capitalized development costs	49	—	49	—
Total amortization expense	$ 2,610	$ 15,444	$ 5,198	$ 31,181

Schedule of Future Amortization of Intangible Asset

Future amortization expense of finite-lived intangible assets is expected as follows:

(in thousands)	Core Technologies	Customer Relationships	Trade Name	Capitalized Development Costs	Total
2025 (remaining six months)	$ 4,542	$ 228	$ 66	$ 49	$ 4,885
2026	8,598	457	133	98	9,286
2027	3,707	457	133	99	4,396
2028	3,550	457	133	—	4,140
2029	3,083	382	133	—	3,598
Thereafter	—	1,883	528	—	2,411
Total expected amortization expense	$ 23,480	$ 3,864	$ 1,126	$ 246	$ 28,716

Schedule of Finite-Lived Intangible Assets

The following table sets forth the Company's finite-lived intangible assets not yet placed in service:

(in thousands)	Capitalized Development Costs	Software Licenses	Total
Balance at January 28, 2024	$ 1,000	$ 915	$ 1,915
Additions	468	4,550	5,018
Placed in service	(295)	—	(295)
Balance at July 28, 2024	$ 1,173	$ 5,465	$ 6,638

XML 53 R35.htm IDEA: XBRL DOCUMENT

Long-Term Debt (Tables)

6 Months Ended Jul. 28, 2024

Debt Instruments [Abstract]

Schedule of Long-term Debt

Long-term debt and the current period interest rates were as follows:

(in thousands, except percentages)	July 28, 2024	January 28, 2024
Revolving loans	$ 215,000	$ 215,000
Term loans	622,625	622,625
1.625% convertible senior notes due 2027	319,500	319,500
4.00% convertible senior notes due 2028	61,950	250,000
Total debt	$ 1,219,075	$ 1,407,125
Debt issuance costs	(26,210)	(36,086)
Total long-term debt, net of debt issuance costs	$ 1,192,865	$ 1,371,039
Weighted-average effective interest rate [1]	6.15 %	5.86 %

[1] The revolving loans and Term Loans (as defined below) bear interest at variable rates based on Adjusted Term SOFR or a Base Rate (as defined in the Credit Agreement), at the Company's option, plus an applicable margin that varies based on the Company's consolidated leverage ratio. In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.58%, plus a variable margin and spread based on the Company's consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.44%, plus a variable margin and spread based on the Company's consolidated leverage ratio. As of July 28, 2024, the effective interest rate was a weighted-average rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.86% (total floating rate of 9.21%), (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.85% (total floating rate of 9.20%), (e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. As of January 28, 2024, the effective interest rate was a weighted average-rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.86% (total floating rate of 9.20%) (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.85% (total floating rate of 9.19%),(e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%.

Schedule Of Interest Expense

Interest expense was comprised of the following components for the periods presented:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Contractual interest	$ 23,502	$ 24,156	$ 47,147	$ 45,397
Interest swap agreement	(2,800)	(2,445)	(5,595)	(4,590)
Amortization of deferred financing costs	2,379	1,689	4,758	3,103
Write-off of deferred financing costs	5,497	771	5,497	771
Total interest expense	$ 28,578	$ 24,171	$ 51,807	$ 44,681

XML 54 R36.htm IDEA: XBRL DOCUMENT

Income Taxes (Tables)

6 Months Ended Jul. 28, 2024

Income Tax Disclosure [Abstract]

Summary of Income Tax Contingencies

A reconciliation of the beginning and ending amount of gross unrecognized tax benefits (before the federal impact of state items) is as follows:

(in thousands)	
Balance at January 28, 2024	$ 36,548
Additions based on tax positions related to the current fiscal year	588
Decreases based on tax positions related to prior fiscal years	(33)
Balance at July 28, 2024	$ 37,103

Liability For Uncertain Tax Positions

The liability for UTP is reflected in the Balance Sheets as follows:

(in thousands)	July 28, 2024	January 28, 2024
Deferred tax assets - non-current	$ 20,901	$ 20,519
Other long-term liabilities	14,798	14,632
Total accrued taxes	$ 35,699	$ 35,151

Regional Income (Loss) From Continuing Operations Before Income Taxes

The Company's regional income or loss before taxes and equity method income or loss was as follows:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Domestic	$ (170,591)	$ (73,470)	$ (189,460)	$ (92,311)
Foreign	4,511	(251,929)	3,127	(264,915)
Total	$ (166,080)	$ (325,399)	$ (186,333)	$ (357,226)

XML 55 R37.htm IDEA: XBRL DOCUMENT

Leases (Tables)

6 Months Ended Jul. 28, 2024

Leases [Abstract]

Lease, Cost

The components of lease expense were as follows:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Operating lease cost	$ 1,807	$ 2,167	$ 3,697	$ 4,316
Short-term lease cost	19	484	163	1,093
Sublease income	(140)	(162)	(296)	(320)
Total lease cost	$ 1,686	$ 2,489	$ 3,564	$ 5,089

Supplemental cash flow information related to leases was as follows:

(in thousands)	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Cash paid for amounts included in the measurement of lease liabilities	$ 4,035	$ 4,280
Right-of-use assets obtained in exchange for new operating lease liabilities	$ 2,428	$ 2,696

	July 28, 2024
Weighted-average remaining lease term–operating leases (in years)	5.1
Weighted-average discount rate on remaining lease payments–operating leases	7.0 %

Assets And Liabilities, Lessee

Supplemental balance sheet information related to leases was as follows:

(in thousands)	July 28, 2024	January 28, 2024
Operating lease right-of-use assets in "Other assets"	$ 23,501	$ 23,870
Operating lease liabilities in "Accrued liabilities"	$ 6,599	$ 6,560
Operating lease liabilities in "Other long-term liabilities"	20,692	22,033
Total operating lease liabilities	$ 27,291	$ 28,593

Lessee, Operating Lease, Liability, Maturity

Maturities of lease liabilities as of July 28, 2024 are as follows:

(in thousands)	
Fiscal Year Ending:	
2025 (remaining six months)	$ 4,560
2026	7,495
2027	5,603
2028	5,073
2029	4,193
Thereafter	5,966
Total lease payments	32,890
Less: imputed interest	(5,599)
Total	$ 27,291

XML 56 R38.htm IDEA: XBRL DOCUMENT

Commitments and Contingencies (Tables)

6 Months Ended
Jul. 28, 2024

Commitments and Contingencies Disclosure [Abstract]

Schedule of Liability for Deferred Compensation

The Company's liability for the deferred compensation plan is presented below:

(in thousands)	July 28, 2024	January 28, 2024
Accrued liabilities	$ 4,015	$ 7,412
Other long-term liabilities	33,160	32,288
Total deferred compensation liabilities under this plan	$ 37,175	$ 39,700

Schedule of Other Assets

The cash surrender value of the Company's corporate-owned life insurance is presented below:

(in thousands)	July 28, 2024	January 28, 2024
Other current assets	$ —	$ 4,538
Other assets	27,451	25,098
Total cash surrender value of corporate-owned life insurance	$ 27,451	$ 29,636

XML 57 R39.htm IDEA: XBRL DOCUMENT

Restructuring (Tables)

6 Months Ended
Jul. 28, 2024

Restructuring and Related Activities [Abstract]

Restructuring and Related Costs

Restructuring activity is summarized as follows:

(in thousands)	One-time employee termination benefits	Other restructuring	Total
Balance at January 28, 2024	$ 5,799	$ 478	$ 6,277
Charges	3,706	104	3,810
Cash payments	(7,487)	(548)	(8,035)
Balance at July 28, 2024	$ 2,018	$ 34	$ 2,052

Restructuring charges were included in the Statements of Operations as follows:

(in thousands)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Cost of sales	$ —	$ 362	$ —	$ 859
Restructuring	1,541	9,399	3,810	10,962
Total restructuring charges	$ 1,541	$ 9,761	$ 3,810	$ 11,821

XML 58 R40.htm IDEA: XBRL DOCUMENT

Concentration of Risk (Tables)

6 Months Ended
Jul. 28, 2024

Risks and Uncertainties [Abstract]

Schedule Of Significant Customers Accounting For At Least 10% Of Net Sales

The following significant customers accounted for at least 10% of the Company's net sales in one or more of the periods indicated:

(percentage of net sales) [1]	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Frontek Technology Corporation (and affiliates)	13%	*	13%	*
Trend-tek Technology Ltd. (and affiliates)	10%	*	10%	*

[1] *In each period with an asterisk, the customer represented less than 10% of the Company's net sales.*

The following table shows the customers that have an outstanding receivable balance that represents at least 10% of the Company's total net receivables as of one or more of the dates indicated:

(percentage of net receivables) [1]	July 28, 2024	January 28, 2024
Frontek Technology Corporation (and affiliates)	14%	15%
Trend-tek Technology Ltd (and affiliates)	12%	*

[1] *In each period with an asterisk, the customer represented less than 10% of the Company's total net receivables.*

XML 59 R41.htm IDEA: XBRL DOCUMENT

Segment Information (Tables)

6 Months Ended
Jul. 28, 2024

Segment Reporting [Abstract]

Net Sales by Segment

Net sales and gross profit by reportable segment were as follows:

(in thousands)	Three Months Ended July 28, 2024		Three Months Ended July 30, 2023		Six Months Ended July 28, 2024		Six Months Ended July 30, 2023	
Net sales:								
Signal Integrity	$ 59,434	28 %	$ 46,126	19 %	$ 117,733	28 %	$ 87,017	18 %
Analog Mixed Signal and Wireless	79,311	37 %	69,989	29 %	154,655	37 %	129,608	27 %
IoT Systems and Connectivity	76,610	35 %	122,257	52 %	149,072	35 %	258,286	55 %
Total net sales	$ 215,355	100 %	$ 238,372	100 %	$ 421,460	100 %	$ 474,911	100 %
Gross profit:								
Signal Integrity	$ 36,768		$ 27,606		$ 71,529		$ 52,093	
Analog Mixed Signal and Wireless	45,399		43,123		86,103		79,597	
IoT Systems and Connectivity	27,111		47,349		54,205		101,157	
Unallocated costs, including share-based compensation and amortization of acquired technology	(3,814)		(17,350)		(6,781)		(29,173)	
Total gross profit	$ 105,464		$ 100,728		$ 205,056		$ 203,674	

Net Sales Activity By Geographic Region

Net sales activity by geographic region was as follows:

(percentage of total net sales)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
Asia-Pacific	65%	62%	64%	57%
North America	21%	24%	22%	28%
Europe	14%	14%	14%	15%
	100%	100%	100%	100%

Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales

The table below summarizes sales activity to geographies that represented greater than 10% of total sales for at least one of the periods presented:

(percentage of total net sales)	Three Months Ended July 28, 2024	Three Months Ended July 30, 2023	Six Months Ended July 28, 2024	Six Months Ended July 30, 2023
China (including Hong Kong)	45%	29%	44%	27%
United States	20%	23%	20%	25%

Net Sales by Type

Net sales by revenue type were as follows:

(in thousands)	Three Months Ended July 28, 2024		Three Months Ended July 30, 2023		Six Months Ended July 28, 2024		Six Months Ended July 30, 2023	
Net sales:								
Product sales	$ 185,966	86 %	$ 210,196	88 %	$ 363,455	86 %	$ 417,577	88 %
Service revenue	29,389	14 %	28,176	12 %	58,005	14 %	57,334	12 %
Total net sales	$ 215,355	100 %	$ 238,372	100 %	$ 421,460	100 %	$ 474,911	100 %

XML 60 R42.htm IDEA: XBRL DOCUMENT

Derivatives and Hedging Activities (Tables)

6 Months Ended

Jul. 28, 2024

Derivative Instruments and Hedging Activities Disclosure [Abstract]

Summary of the Carrying Values of Derivative Instruments

he Company's foreign currency forward contracts had the following outstanding balances:

(in thousands, except number of instruments)	July 28, 2024 Number of Instruments	July 28, 2024 Sell Notional Value	July 28, 2024 Buy Notional Value	January 28, 2024 Number of Instruments	January 28, 2024 Sell Notional Value	January 28, 2024 Buy Notional Value
Sell USD/Buy CAD Forward Contract	4	$ 5,115	$ 6,950	10	$ 12,899	$ 17,550
Total	4			10		

The fair values of the Company's instruments that qualify as cash flow hedges in the Balance Sheets were as follows:

(in thousands)	July 28, 2024	January 28, 2024
Interest rate swap agreement	$ 6,774	$ 7,144
Foreign currency forward contracts	—	168
Total other current assets	$ 6,774	$ 7,312
Interest rate swap agreement	$ 862	$ 178
Total other long-term assets	$ 862	$ 178
Foreign currency forward contracts	$ 80	$ —
Total accrued liabilities	$ 80	$ —
Interest rate swap agreement	—	7
Total other long-term liabilities	$ —	$ 7

XML 61 R43.htm IDEA: XBRL DOCUMENT

Organization and Basis of Presentation (Details) - USD ($) $ in Thousands

	3 Months Ended Jul. 28, 2024	3 Months Ended Jul. 30, 2023	6 Months Ended Jul. 28, 2024	6 Months Ended Jul. 30, 2023
Organization And Basis Of Presentation [Line Items]				
Total amortization expense	$ 2,279	$ 10,573	$ 4,560	$ 21,428
Restructuring	$ 1,541	9,761	$ 3,810	11,821
Revision of Prior Period, Reclassification, Adjustment | Selling, General and Administrative Expenses				
Organization And Basis Of Presentation [Line Items]				
Restructuring		5,400		5,800
Revision of Prior Period, Reclassification, Adjustment | Research And Development				
Organization And Basis Of Presentation [Line Items]				
Restructuring		$ 4,000		$ 5,200

XML 62 R44.htm IDEA: XBRL DOCUMENT

Acquisition - Narrative (Details) - USD ($) $ in Thousands

	9 Months Ended Jan. 12, 2023	9 Months Ended Oct. 29, 2023	12 Months Ended Jan. 28, 2024	12 Months Ended Jan. 26, 2025	12 Months Ended Jul. 28, 2024	12 Months Ended Jan. 29, 2023
Business Acquisition [Line Items]						
Goodwill			$ 541,227		$ 541,104	
Maximum | Forecast | Financial Metric-Based Restricted Stock Units (RSUs)						
Business Acquisition [Line Items]						
Maximum potential number of shares that can be earned (in shares)				887,886		
Sierra Wireless						
Business Acquisition [Line Items]						
Cash paid to to acquire business	$ 1,300,000					
Goodwill	$ 931,397		955,300		$ 955,322	$ 931,400
Measurement period adjustment		$ 23,925	$ 23,900			

XML 63 R45.htm IDEA: XBRL DOCUMENT

Acquisition - Schedule of Measurement Period Adjustments (Details) - USD ($) $ in Thousands

	9 Months Ended Jan. 12, 2023	9 Months Ended Oct. 29, 2023	10 Months Ended Oct. 29, 2023	12 Months Ended Jan. 28, 2024	12 Months Ended Jul. 28, 2024	12 Months Ended Jan. 29, 2023
Business Acquisition [Line Items]						
Goodwill				$ 541,227	$ 541,104	
Sierra Wireless						
Business Acquisition [Line Items]						
Cash Acquired from Acquisition	$ 68,794					
Total purchase price consideration, net of cash acquired $68,794	1,240,757		$ 1,240,757			
Accounts receivable, net	92,633				92,633	
Inventories	96,339				94,440	
Measurement period adjustment, inventories		$ (1,899)				
Other current assets	72,724				77,727	
Increase to related insurance receivables recorded in other current assets		5,003				
Property, plant and equipment	29,086				26,458	
Measurement period adjustment, property, plant, and equipment		(2,628)				
Intangible assets	214,780				214,780	
Prepaid taxes	3,001				3,001	
Deferred tax assets	22,595				22,880	
Measurement period adjustment, deferred tax assets		285				
Other assets	14,878				14,878	
Accounts payable	50,413				50,623	
Measurement period adjustment, accounts payable		210				
Accrued liabilities	148,654				174,886	
Measurement period adjustment, accrued liabilities		26,232				
Deferred tax liabilities	4,824				5,174	
Measurement period adjustment, deferred tax liabilities		350				
Other long-term liabilities	32,785				30,679	
Measurement period adjustment, other long-term liabilities		(2,106)				
Net assets acquired, excluding goodwill	309,360				285,435	
Measurement period adjustment, net assets acquired, excluding goodwill		(23,925)				
Goodwill	$ 931,397			955,300	$ 955,322	$ 931,400
Measurement period adjustment		$ 23,925		$ 23,900		

XML 64 R46.htm IDEA: XBRL DOCUMENT

Loss per Share - Computation of Basic and Diluted Earnings per Share (Details) - USD ($) $ / shares in Units, shares in Thousands, $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]				
Net loss attributable to common stockholders	$ (170,295)	$ (382,002)	$ (193,454)	$ (411,417)
Weighted average common shares outstanding - basic (in shares)	65,281	64,005	64,895	63,964
Weighted average common shares outstanding - diluted (in shares)	65,281	64,005	64,895	63,964
Basic earnings (loss) per common share (in dollars per share)	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Diluted earnings (loss) per common share (in dollars per share)	$ (2.61)	$ (5.97)	$ (2.98)	$ (6.43)
Anti-dilutive shares not included in the above calculations (in shares)	9,484	11,166	9,461	11,035
Share-based compensation				
Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]				
Dilutive effect of share-based compensation (in shares)	911	2,593	888	2,462
Warrants				
Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]				
Warrants (in shares)	8,573	8,573	8,573	8,573

XML 65 R47.htm IDEA: XBRL DOCUMENT

Share-Based Compensation - Allocation of Share-Based Compensation (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Share-based compensation expense	$ 17,138	$ 13,399	$ 32,372	$ 21,803
Cost of sales				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Share-based compensation expense	714	525	1,396	888
Selling, general and administrative				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Share-based compensation expense	12,982	9,409	24,373	13,911
Product development and engineering				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Share-based compensation expense	$ 3,442	$ 3,465	$ 6,603	$ 7,004

XML 66 R48.htm IDEA: XBRL DOCUMENT

Share-Based Compensation - Narrative (Details) - USD ($) $ / shares in Units, $ in Millions	3 Months Ended	6 Months Ended	12 Months Ended			
	Jul. 28, 2024	Jul. 28, 2024	Jan. 28, 2024	Jan. 29, 2023	Jan. 30, 2022	Jan. 26, 2025
Restricted Stock Units | Non Employee Director Stock Unit Awards						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Award vesting period		1 year				
Share liabilities paid to settle shares		$ 1.4				
Shares settled		44,018				
Number of vested but unsettled awards (in shares)	208,392	208,392	230,231			
Liability associated with awards vested but unsettled	$ 5.9	$ 5.9	$ 4.4			
Restricted Stock Units | Non Employee Director Stock Unit Awards | Accrued liabilities						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Liability associated with awards vested but unsettled	2.2	2.2	1.8			
Restricted Stock Units | Non Employee Director Stock Unit Awards | Other long-term liabilities						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Liability associated with awards vested but unsettled	$ 3.7	$ 3.7	$ 2.6			
Restricted Stock Units | Settled With Shares | Employees						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Equity awards granted (in units)		893,114				
Grant date fair value per unit (in dollars per share)	$ 27.64					
Restricted Stock Units (RSUs), Cash Settlement | Non-Employee Directors						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Equity awards granted (in units)		25,713				
Restricted Stock Units (RSUs), Share Settlement | Non-Employee Directors						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Equity awards granted (in units)		25,713				
Grant date fair value per unit (in dollars per share)		$ 31.50				
Employee Stock Unit Awards | Settled In Cash						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Award vesting period		3 years				
Employee Stock Unit Awards | Minimum | Settled With Shares						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Award vesting period		1 year				
Employee Stock Unit Awards | Maximum | Settled With Shares						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Award vesting period		4 years				
Financial Metric-Based Restricted Stock Units (RSUs)						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Equity awards granted (in units)		443,943				
Performance level percentage		200.00%				
Financial Metric-Based Restricted Stock Units (RSUs) | Performance Period One						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Grant date fair value per unit (in dollars per share)		$ 36.26				
Performance period		1 year				
Financial Metric-Based Restricted Stock Units (RSUs) | Performance Period Two						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Grant date fair value per unit (in dollars per share)		$ 36.26				
Performance period		2 years				
Financial Metric-Based Restricted Stock Units (RSUs) | Performance Period Three						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Grant date fair value per unit (in dollars per share)		$ 57.08				
Performance period		3 years				
Financial Metric-Based Restricted Stock Units (RSUs) | Maximum | Forecast						
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]						
Maximum potential number of shares that can be earned (in shares)						887,886
Market Performance Shares						

Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Equity awards granted (in units)				54,928
Grant date fair value per unit (in dollars per share)				$ 49.55
Performance period				30 days
Closing share price used to determine market condition				$ 95.00
Shares forfeited	22,535	18,309	14,084	
Market Performance Shares | Performance Period One				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Award vesting rights, percentage	33.33%			
Market Performance Shares | Performance Period Two				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Award vesting rights, percentage	33.33%			
Market Performance Shares | Performance Period Three				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Award vesting rights, percentage	33.33%			

XML 67 R49.htm IDEA: XBRL DOCUMENT

Available-for-sale securities - Summary Of Investments (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Debt Securities, Available-for-sale [Line Items]		
Fair Value	$ 12,294	$ 12,117
Total available-for-sale securities	14,303	14,454
Gross Unrealized Loss	(2,009)	(2,337)
Convertible debt		
Debt Securities, Available-for-sale [Line Items]		
Fair Value	12,294	12,117
Total available-for-sale securities	14,303	14,454
Gross Unrealized Loss	$ (2,009)	$ (2,337)

XML 68 R50.htm IDEA: XBRL DOCUMENT

Available-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Fair Value		
Within 1 year	$ 12,294	
After 1 year through 5 years	0	
Total available-for-sale securities	12,294	$ 12,117
Amortized Cost		
Within 1 year	14,303	
After 1 year through 5 years	0	
Total available-for-sale securities	$ 14,303	$ 14,454

XML 69 R51.htm IDEA: XBRL DOCUMENT

Fair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Convertible debt investments	$ 12,294	$ 12,117
Fair Value, Measurements, Recurring		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Total financial assets	19,930	19,607
Total financial liabilities	80	7
Fair Value, Measurements, Recurring | (Level 1)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Total financial assets	0	0
Total financial liabilities	0	0
Fair Value, Measurements, Recurring | (Level 2)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Total financial assets	7,636	7,490
Total financial liabilities	80	7
Fair Value, Measurements, Recurring | (Level 3)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Total financial assets	12,294	12,117
Total financial liabilities	0	0
Fair Value, Measurements, Recurring | Convertible debt		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Convertible debt investments	12,294	12,117
Fair Value, Measurements, Recurring | Convertible debt | (Level 1)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Convertible debt investments	0	0
Fair Value, Measurements, Recurring | Convertible debt | (Level 2)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Convertible debt investments	0	0
Fair Value, Measurements, Recurring | Convertible debt | (Level 3)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Convertible debt investments	12,294	12,117
Interest Rate Swap | Fair Value, Measurements, Recurring		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	7,636	7,321
Financial liabilities	0	7
Interest Rate Swap | Fair Value, Measurements, Recurring | (Level 1)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	0	0
Financial liabilities	0	0
Interest Rate Swap | Fair Value, Measurements, Recurring | (Level 2)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	7,636	7,321
Financial liabilities	0	7
Interest Rate Swap | Fair Value, Measurements, Recurring | (Level 3)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		

Derivative asset	0	0
Financial liabilities	0	0
Foreign Exchange Contract | Fair Value, Measurements, Recurring		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	0	169
Financial liabilities	80	0
Foreign Exchange Contract | Fair Value, Measurements, Recurring | (Level 1)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	0	0
Financial liabilities	0	0
Foreign Exchange Contract | Fair Value, Measurements, Recurring | (Level 2)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	0	169
Financial liabilities	80	0
Foreign Exchange Contract | Fair Value, Measurements, Recurring | (Level 3)		
Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]		
Derivative asset	0	0
Financial liabilities	$ 0	$ 0

XML 70 R52.htm IDEA: XBRL DOCUMENT

Fair Value Measurements - Reconciliation of Changes in Debt Securities (Details) $ in Thousands	**6 Months Ended**
	Jul. 28, 2024 USD ($)
Debt Securities, Available For Sale, Reconciliation [Roll Forward]	
Balance at January 28, 2024	$ 12,117
Sales	(222)
Interest accrued	399
Balance at July 28, 2024	$ 12,294

XML 71 R53.htm IDEA: XBRL DOCUMENT

Fair Value Measurements - Carrying Value and Fair Value of Debt (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**	**Oct. 12, 2022**
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]			
Long-term debt	$ 1,192,865	$ 1,371,039	
Debt issuance costs	26,210	36,086	
Convertible Debt			
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]			
Long-term debt	371,907	552,392	
Fair Value	455,908	575,870	
Convertible Senior Notes Due 2027 | Convertible Debt			
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]			
Long-term debt	311,768	310,563	
Fair Value	$ 357,696	$ 262,571	
Fixed interest rate	1.625%	1.625%	1.625%
Debt issuance costs	$ 7,700	$ 8,900	
Convertible Senior Notes Due 2028 | Convertible Debt			
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]			
Long-term debt	60,139	241,829	
Fair Value	$ 98,212	$ 313,299	
Fixed interest rate	4.00%	4.00%	
Debt issuance costs	$ 1,800	$ 8,200	

XML 72 R54.htm IDEA: XBRL DOCUMENT

Fair Value Measurements - Investment Impairments and Credit Loss Reserves (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**		
	Jul. 28, 2024	**Jul. 30, 2023**	**Jul. 28, 2024**	**Jul. 30, 2023**	**Jan. 28, 2024**
Fair Value Disclosures [Abstract]					
Credit loss reserve for held-to-maturity debt securities and available for sale debt securities	$ 4,500		$ 4,500		$ 4,500
Investment impairments and credit loss reserves, net	$ 0	$ (227)	(1,109)	$ (260)	
Impairment of equity method investment			$ 1,100		

XML 73 R55.htm IDEA: XBRL DOCUMENT

Inventories - Summary of Inventories (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Inventory Disclosure [Abstract]		
Raw materials and electronic components	$ 48,797	$ 46,425
Work in progress	83,396	69,404
Finished goods	23,818	29,163
Inventories	$ 156,011	$ 144,992

XML 74 R56.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details) $ in Thousands	**6 Months Ended**
	Jul. 28, 2024 USD ($)
Goodwill [Roll Forward]	
Beginning balance	$ 541,227
Cumulative translation adjustment	(123)
Ending balance	541,104
Operating Segments | Signal Integrity	
Goodwill [Roll Forward]	
Beginning balance	267,205
Cumulative translation adjustment	0
Ending balance	267,205
Operating Segments | Analog Mixed Signal and Wireless	
Goodwill [Roll Forward]	
Beginning balance	83,101
Cumulative translation adjustment	0
Ending balance	83,101
Operating Segments | IoT Systems and Connectivity	
Goodwill [Roll Forward]	

Beginning balance	190,921
Cumulative translation adjustment	(123)
Ending balance	$ 190,798

XML 75 R57.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Narrative (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Goodwill [Line Items]				
Goodwill impairment	$ 0	$ 279,555	$ 0	$ 279,555
IoT System, Modules				
Goodwill [Line Items]				
Goodwill impairment		109,900		
IoT System, Routers				
Goodwill [Line Items]				
Goodwill impairment		100,700		
Operating Segments | IoT Connected Services				
Goodwill [Line Items]				
Goodwill impairment		$ 69,000		

XML 76 R58.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Finite-Lived Intangible Assets [Line Items]		
Gross Carrying Amount	$ 216,209	$ 216,257
Accumulated Amortization	(56,108)	(51,221)
Accumulated Impairment	(131,385)	(131,385)
Total expected amortization expense	28,716	33,651
Core technologies		
Finite-Lived Intangible Assets [Line Items]		
Gross Carrying Amount	154,797	154,985
Accumulated Amortization	(39,525)	(35,130)
Accumulated Impairment	(91,792)	(91,792)
Total expected amortization expense	$ 23,480	28,063
Core technologies | Minimum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	1 year	
Core technologies | Maximum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	8 years	
Customer relationships		
Finite-Lived Intangible Assets [Line Items]		
Gross Carrying Amount	$ 52,117	52,272
Accumulated Amortization	(13,476)	(13,391)
Accumulated Impairment	(34,777)	(34,777)
Total expected amortization expense	$ 3,864	4,104
Customer relationships | Minimum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	1 year	
Customer relationships | Maximum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	10 years	
Trade name		
Finite-Lived Intangible Assets [Line Items]		
Gross Carrying Amount	$ 9,000	9,000
Accumulated Amortization	(3,058)	(2,700)
Accumulated Impairment	(4,816)	(4,816)
Total expected amortization expense	$ 1,126	$ 1,484
Trade name | Minimum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	2 years	
Trade name | Maximum		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	10 years	
Capitalized Development Costs		
Finite-Lived Intangible Assets [Line Items]		
Estimated useful life	3 years	
Gross Carrying Amount	$ 295	
Accumulated Amortization	(49)	
Accumulated Impairment	0	
Total expected amortization expense	$ 246	

XML 77 R59.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Finite-Lived Intangible Assets [Line Items]				
Total amortization expense	$ 2,610	$ 15,444	$ 5,198	$ 31,181
Core technologies				
Finite-Lived Intangible Assets [Line Items]				
Total amortization expense	2,279	10,573	4,560	21,428
Customer relationships				
Finite-Lived Intangible Assets [Line Items]				
Total amortization expense	114	4,080	228	8,170
Trade name				
Finite-Lived Intangible Assets [Line Items]				
Total amortization expense	168	791	361	1,583
Capitalized Development Costs				
Finite-Lived Intangible Assets [Line Items]				
Total amortization expense	$ 49	$ 0	$ 49	$ 0

XML 78 R60.htm IDEA: XBRL DOCUMENT

Goodwill and

Intangible Assets - Schedule of Future Amortization Expense (Details) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Finite-Lived Intangible Assets [Line Items]		
2025 (remaining six months)	$ 4,885	
2026	9,286	
2027	4,396	
2028	4,140	
2029	3,598	
Thereafter	2,411	
Total expected amortization expense	28,716	$ 33,651
Core technologies		
Finite-Lived Intangible Assets [Line Items]		
2025 (remaining six months)	4,542	
2026	8,598	
2027	3,707	
2028	3,550	
2029	3,083	
Thereafter	0	
Total expected amortization expense	23,480	28,063
Customer relationships		
Finite-Lived Intangible Assets [Line Items]		
2025 (remaining six months)	228	
2026	457	
2027	457	
2028	457	
2029	382	
Thereafter	1,883	
Total expected amortization expense	3,864	4,104
Trade name		
Finite-Lived Intangible Assets [Line Items]		
2025 (remaining six months)	66	
2026	133	
2027	133	
2028	133	
2029	133	
Thereafter	528	
Total expected amortization expense	1,126	$ 1,484
Capitalized Development Costs		
Finite-Lived Intangible Assets [Line Items]		
2025 (remaining six months)	49	
2026	98	
2027	99	
2028	0	
2029	0	
Thereafter	0	
Total expected amortization expense	$ 246	

XML 79 R61.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Schedule of Construction in Process (Details) $ in Thousands	6 Months Ended Jul. 28, 2024 USD ($)
Capitalized Development Costs	
Finite-Lived Intangible Assets [Roll Forward]	
Value at January 28, 2024	$ 1,000
Additions	468
Placed in service	(295)
Value at July 28, 2024	1,173
Software Licenses	
Finite-Lived Intangible Assets [Roll Forward]	
Value at January 28, 2024	915
Additions	4,550
Placed in service	0
Value at July 28, 2024	5,465
Total	
Finite-Lived Intangible Assets [Roll Forward]	
Value at January 28, 2024	1,915
Additions	5,018
Placed in service	(295)
Value at July 28, 2024	$ 6,638

XML 80 R62.htm IDEA: XBRL DOCUMENT

Long-Term Debt - Schedule of Long-term Debt (Details) - USD ($) $ in Thousands	Apr. 28, 2024	Jun. 06, 2023	Feb. 24, 2023	3 Months Ended Apr. 30, 2023	3 Months Ended Jan. 29, 2023	6 Months Ended Jul. 28, 2024	12 Months Ended Jan. 28, 2024	Jul. 30, 2023	Oct. 12, 2022
Debt Instrument [Line Items]									
Outstanding balance						$ 1,219,075	$ 1,407,125		
Debt issuance costs						(26,210)	(36,086)		
Long-term debt						$ 1,192,865	$ 1,371,039		
Weighted-average effective interest rate						6.15%	5.86%		
Triggering Event Two									
Debt Instrument [Line Items]									
Variable rate spread				3.58%	3.44%		3.58%		
Spread rate						3.85%	3.85%		
Derivative fixed rate						7.29%	7.29%		
Triggering Event Three									
Debt Instrument [Line Items]									
Variable rate spread						5.35%	5.34%		
Floating rate	9.19%					9.20%			
Spread rate						3.85%	3.85%		
Convertible Debt									
Debt Instrument [Line Items]									
Long-term debt						$ 371,907	$ 552,392		

Convertible Debt | Convertible Senior Notes Due 2027

Debt Instrument [Line Items]								
Outstanding balance					319,500	319,500		
Debt issuance costs					(7,700)	(8,900)		
Long-term debt					$ 311,768	$ 310,563		
Debt instrument stated rate					1.625%	1.625%		1.625%
Convertible Debt | Convertible Senior Notes Due 2028								
Debt Instrument [Line Items]								
Outstanding balance					$ 61,950	$ 250,000		
Debt issuance costs					(1,800)	(8,200)		
Long-term debt					$ 60,139	$ 241,829		
Debt instrument stated rate					4.00%	4.00%		
Revolving loans								
Debt Instrument [Line Items]								
Debt fixed rate					7.43%	7.43%		
Revolving loans | Triggering Event One								
Debt Instrument [Line Items]								
LIBOR portion of fixed rate					5.35%	5.34%		
Floating rate					9.21%	9.20%		
Revolving loans | Secured Overnight Financing Rate (SOFR)								
Debt Instrument [Line Items]								
Debt instrument margin					3.85%	3.85%		
Revolving loans | Credit Agreement								
Debt Instrument [Line Items]								
Outstanding balance					$ 215,000	$ 215,000		
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR)								
Debt Instrument [Line Items]								
Debt instrument margin		2.50%						
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Triggering Event One								
Debt Instrument [Line Items]								
Debt instrument margin					3.86%	3.86%		
Secured Debt | Line of Credit | Credit Agreement								
Debt Instrument [Line Items]								
Outstanding balance					$ 622,625	$ 622,625		
Derivative term			2 years 9 months	5 years				
Debt outstanding			$ 150,000	$ 450,000			$ 150,000	
Secured Debt | Line of Credit | Credit Agreement | Secured Overnight Financing Rate (SOFR)								
Debt Instrument [Line Items]								
Debt instrument margin	0.10%							

XML 81 R63.htm IDEA: XBRL DOCUMENT

Long-Term Debt - Credit Agreement (Details) - USD ($)	**Jun. 06, 2023**	**Feb. 24, 2023**	**6 Months Ended Jul. 28, 2024**	**12 Months Ended Jan. 28, 2024**	**Apr. 30, 2023**	**Jan. 29, 2023**	**Jan. 12, 2023**	**Nov. 07, 2019**
Line of Credit Facility [Line Items]								
Outstanding balance			$ 1,219,075,000	$ 1,407,125,000				
Triggering Event Three								
Line of Credit Facility [Line Items]								
Variable rate spread			5.35%	5.34%				
Triggering Event Two								
Line of Credit Facility [Line Items]								
Variable rate spread				3.58%	3.58%	3.44%		
Revolving loans | Secured Overnight Financing Rate (SOFR)								
Line of Credit Facility [Line Items]								
Debt instrument margin			3.85%	3.85%				
Revolving loans | Credit Agreement, Matures On January 12, 2028								
Line of Credit Facility [Line Items]								
Facilities, maximum borrowing capacity							$ 405,000,000	$ 337,500,000
Revolving loans | Credit Agreement								
Line of Credit Facility [Line Items]								
Facilities, maximum borrowing capacity							600,000,000	500,000,000.0
Outstanding balance			$ 215,000,000	$ 215,000,000				
Long-term Debt			215,000,000.0					
Undrawn revolving commitments			$ 282,200,000					
Maximum amount that can be used to obtain revolving loans and letters of credit in alternative currencies								75,000,000
Annual amortization	7.50%							
Number of days before maturity date if not extended	91							
Number of days after maturity date	91							
Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold	$ 50,000,000							
Line Of Credit, Decrease In Maximum Borrowing Capacity	100,000,000							
Debt Instrument, Covenant, Minimum Consolidated Liquidity	$ 150,000,000							
Revolving loans | Credit Agreement | Triggering Event Three								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	8.17							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.66							
Revolving loans | Credit Agreement | Triggering Event Four								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	10.27							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.40							
Revolving loans | Credit Agreement | Triggering Event Five								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	10.21							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.37							
Revolving loans | Credit Agreement | Triggering Event Six								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	9.93							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.41							
Revolving loans | Credit Agreement | Triggering Event Seven								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	8.42							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.73							
Revolving loans | Credit Agreement | Triggering Event Eight								

Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	7.68							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	1.90							
Revolving loans | Credit Agreement | Triggering Event Nine								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	6.75							
Debt instrument, covenant, leverage ratio, maximum, increase limit	4.25							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	2.14							
Revolving loans | Credit Agreement | Triggering Event Ten								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	6.28							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	2.37							
Revolving loans | Credit Agreement | Triggering Event Eleven								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	5.81							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	2.68							
Revolving loans | Credit Agreement | Triggering Event Twelve								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	5.30							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	3.01							
Revolving loans | Credit Agreement | Triggering Event Thirteen								
Line of Credit Facility [Line Items]								
Debt instrument, covenant, leverage ratio, maximum	3.75							
Debt Instrument, Covenant, Liquidity Ratio Required, Minimum	3.50							
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR)								
Line of Credit Facility [Line Items]								
Debt instrument margin		2.50%						
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Triggering Event One								
Line of Credit Facility [Line Items]								
Debt instrument margin			3.86%	3.86%				
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Debt Instrument, One Month Interest Period								
Line of Credit Facility [Line Items]								
Debt instrument margin	0.11%							
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Debt Instrument, Three Month Interest Period								
Line of Credit Facility [Line Items]								
Debt instrument margin	0.26%							
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Debt Instrument, Six Month Interest Period								
Line of Credit Facility [Line Items]								
Debt instrument margin	0.43%							
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Minimum								
Line of Credit Facility [Line Items]								
Debt instrument margin	1.25%							
Revolving loans | Credit Agreement | Secured Overnight Financing Rate (SOFR) | Maximum								
Line of Credit Facility [Line Items]								
Debt instrument margin	3.75%							
Revolving loans | Credit Agreement | Base Rate								
Line of Credit Facility [Line Items]								
Debt instrument margin		1.50%						
Revolving loans | Credit Agreement | Base Rate | Minimum								
Line of Credit Facility [Line Items]								
Debt instrument margin	0.25%							
Revolving loans | Credit Agreement | Base Rate | Maximum								
Line of Credit Facility [Line Items]								
Debt instrument margin	2.75%							
Revolving loans | Credit Agreement, Matures On November 7, 2024								
Line of Credit Facility [Line Items]								
Facilities, maximum borrowing capacity								162,500,000
Revolving loans | Credit Agreement, Financial Covenant Relief Period | Secured Overnight Financing Rate (SOFR) | Minimum								
Line of Credit Facility [Line Items]								
Debt instrument margin	3.25%							
Revolving loans | Credit Agreement, Financial Covenant Relief Period | Base Rate | Minimum								
Line of Credit Facility [Line Items]								
Debt instrument margin	2.25%							
Secured Debt | Credit Agreement | Line of Credit								
Line of Credit Facility [Line Items]								
Face amount							$ 895,000,000	
Outstanding balance			$ 622,625,000	$ 622,625,000				
Payment on Term Loans in connection with Third Amendment	$ 250,000,000							
Secured Debt | Credit Agreement | Line of Credit | Triggering Event Two								
Line of Credit Facility [Line Items]								
Quarterly amortization percentage	1.875%							
Secured Debt | Credit Agreement | Line of Credit | Triggering Event One								
Line of Credit Facility [Line Items]								
Quarterly amortization percentage	1.25%							
Secured Debt | Credit Agreement | Line of Credit | Secured Overnight Financing Rate (SOFR)								
Line of Credit Facility [Line Items]								
Debt instrument margin	0.10%							
Letter of Credit | Credit Agreement								
Line of Credit Facility [Line Items]								
Facilities, maximum borrowing capacity								40,000,000
Bridge Loan | Credit Agreement								
Line of Credit Facility [Line Items]								
Facilities, maximum borrowing capacity								$ 25,000,000

Long-Term Debt - Convertible Senior Notes Due 2027 (Details)	**Oct. 21, 2022 USD ($) d numberOfLeases**	**Oct. 19, 2022 USD ($) $ / shares**	**Jul. 28, 2024**	**Jan. 28, 2024**	**Oct. 12, 2022 USD ($)**	**Oct. 06, 2022 $ / shares**	

$ / shares in Units, shares in Millions	$ / shares	shares				shares
Debt Instrument [Line Items]						
Payments for derivative instrument		$ 72,600,000				
Number of securities called by warrants (in shares) | shares		8.6				8.6
Exercise price of warrants or rights (in dollars per share) | $ / shares		$ 51.15				$ 51.15
Proceeds from sale of warrants		$ 42,900,000				
Net cash premium		$ 29,700,000				
Convertible Senior Notes Due 2027 | Convertible Debt						
Debt Instrument [Line Items]						
Face amount	$ 19,500,000				$ 300,000,000	
Fixed interest rate			1.625%	1.625%	1.625%	
Debt instrument, conversion price (in dollars per share) | $ / shares	$ 37.27	$ 37.27				
Amount not subject to redemption	$ 75,000,000					
Conversion ratio	0.0268325					
Convertible Senior Notes Due 2027 | Convertible Debt | Debt Conversion Terms One						
Debt Instrument [Line Items]						
Threshold trading days | d	20					
Threshold consecutive trading days | d	30					
Threshold percentage of stock price trigger	130.00%					
Threshold trading day | numberOfLeases	61					
Redemption price, percentage	100.00%					
Fundamental change repurchase	100.00%					
Convertible Senior Notes Due 2027 | Convertible Debt | Debt Conversion Terms Two						
Debt Instrument [Line Items]						
Threshold trading days | d	5					
Threshold consecutive trading days | d	10					
Threshold percentage of stock price trigger	98.00%					

XML 83 R65.htm IDEA: XBRL DOCUMENT

Long-Term Debt - Schedule of Interest Expense (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Debt Instrument [Line Items]				
Contractual interest	$ 23,502	$ 24,156	$ 47,147	$ 45,397
Amortization of deferred financing costs	2,379	1,689	4,758	3,103
Write-off of deferred financing costs	5,497	771	5,497	771
Total interest expense	28,578	24,171	51,807	44,681
Interest Rate Swap				
Debt Instrument [Line Items]				
Interest swap agreement	$ (2,800)	$ (2,445)	$ (5,595)	$ (4,590)

XML 84 R66.htm IDEA: XBRL DOCUMENT

Long-Term Debt - Convertible Senior Notes due 2028 (Details)	Jul. 15, 2024 USD ($) shares	Oct. 26, 2023 USD ($) d $ / shares	Oct. 21, 2022 d	3 Months Ended		6 Months Ended		Jan. 28, 2024 USD ($)
				Jul. 28, 2024 USD ($)	Jul. 30, 2023 USD ($)	Jul. 28, 2024 USD ($)	Jul. 30, 2023 USD ($)	
Debt Instrument [Line Items]								
Outstanding balance				$ 1,219,075,000		$ 1,219,075,000		$ 1,407,125,000
Write-off of deferred financing costs				5,497,000	$ 771,000	5,497,000	$ 771,000	
Loss on extinguishment of debt				144,688,000	$ 0	144,688,000	$ 0	
Letter of Credit								
Debt Instrument [Line Items]								
Facilities, amount outstanding				2,900,000		2,900,000		2,900,000
Swingline Loans								
Debt Instrument [Line Items]								
Facilities, amount outstanding				2,900,000		2,900,000		2,900,000
Revolving Loans and Non US Dollars LC								
Debt Instrument [Line Items]								
Facilities, amount outstanding				$ 2,900,000		$ 2,900,000		$ 2,900,000
Convertible Senior Notes Due 2028 | Convertible Debt								
Debt Instrument [Line Items]								
Face amount		$ 250,000,000						
Fixed interest rate				4.00%		4.00%		4.00%
Outstanding balance				$ 61,950,000		$ 61,950,000		$ 250,000,000
Conversion ratio		0.049081						
Debt instrument, conversion price (in dollars per share) | $ / shares		$ 20.37						
Amount not subject to redemption		$ 75,000,000						
Aggregate principal amount exchanged	$ 188,100,000							
Shares of common stock exchanged with 2028 Notes | shares	10,378,431							
Write-off of deferred financing costs				5,500,000		5,500,000		
Loss on extinguishment of debt				$ 144,700,000		$ 144,700,000		
Convertible Senior Notes Due 2028 | Convertible Debt | Debt Conversion Terms One								
Debt Instrument [Line Items]								
Threshold trading days | d			20					
Threshold consecutive trading days | d			30					
Threshold percentage of stock price trigger		130.00%						
Redemption price, percentage		100.00%						
Fundamental change repurchase		100.00%						
Convertible Senior Notes Due 2028 | Convertible Debt | Debt Conversion Terms Two								
Debt Instrument [Line Items]								
Threshold trading days | d		5						
Threshold consecutive trading days | d		10						
Threshold percentage of stock price trigger		98.00%						

XML 85 R67.htm IDEA: XBRL DOCUMENT

Income Taxes - Summary of Income Tax Contingencies (Details) $ in Thousands	6 Months Ended
	Jul. 28, 2024 USD ($)
Reconciliation of Unrecognized Tax Benefits, Excluding Amounts Pertaining to Examined Tax Returns [Roll Forward]	
Balance at January 28, 2024	$ 36,548
Additions based on tax positions related to the current fiscal year	588

Decreases based on tax positions related to prior fiscal years	(33)
Balance at July 28, 2024	$ 37,103

XML 86 R68.htm IDEA: XBRL DOCUMENT

Income Taxes - Narrative (Details) - USD ($) $ in Millions	Jul. 28, 2024	Jan. 28, 2024
Income Tax Disclosure [Abstract]		
Net tax benefits, if recognized, would impact the effective tax rate	$ 14.8	$ 14.6

XML 87 R69.htm IDEA: XBRL DOCUMENT

Income Taxes - Liability For Uncertain Tax Positions (Details) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Income Tax Contingency [Line Items]		
Total accrued taxes	$ 35,699	$ 35,151
Deferred tax assets - non-current		
Income Tax Contingency [Line Items]		
Total accrued taxes	20,901	20,519
Other long-term liabilities		
Income Tax Contingency [Line Items]		
Total accrued taxes	$ 14,798	$ 14,632

XML 88 R70.htm IDEA: XBRL DOCUMENT

Income Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Income Tax Disclosure [Abstract]				
Domestic	$ (170,591)	$ (73,470)	$ (189,460)	$ (92,311)
Foreign	4,511	(251,929)	3,127	(264,915)
Loss before taxes and equity method (loss) income	$ (166,080)	$ (325,399)	$ (186,333)	$ (357,226)

XML 89 R71.htm IDEA: XBRL DOCUMENT

Leases - Narrative (Details)	6 Months Ended
	Jul. 28, 2024
Leases [Abstract]	
Lessee, Operating Lease, Remaining Lease Term	8 years
Maximum renewal term	5 years
Termination period	1 year

XML 90 R72.htm IDEA: XBRL DOCUMENT

Leases - The Components of Lease Expense (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Leases [Abstract]				
Operating lease cost	$ 1,807	$ 2,167	$ 3,697	$ 4,316
Short-term lease cost	19	484	163	1,093
Sublease income	(140)	(162)	(296)	(320)
Total lease cost	$ 1,686	$ 2,489	$ 3,564	$ 5,089

XML 91 R73.htm IDEA: XBRL DOCUMENT

Leases - Supplemental Cash Flow Information (Details) - USD ($) $ in Thousands	6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023
Leases [Abstract]		
Cash paid for amounts included in the measurement of lease liabilities	$ 4,035	$ 4,280
Right-of-use assets obtained in exchange for new operating lease liabilities	$ 2,428	$ 2,696
Weighted-average remaining lease term–operating leases (in years)	5 years 1 month 6 days	
Weighted-average discount rate on remaining lease payments–operating leases	7.00%	

XML 92 R74.htm IDEA: XBRL DOCUMENT

Leases - Supplemental Balance Sheet Information (Details) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Leases [Abstract]		
Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List]	Other assets	Other assets
Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]	Accrued liabilities	Accrued liabilities
Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List]	Other long-term liabilities	Other long-term liabilities
Operating lease right-of-use assets in "Other assets"	$ 23,501	$ 23,870
Operating lease liabilities in "Accrued liabilities"	6,599	6,560
Operating lease liabilities in "Other long-term liabilities"	20,692	22,033
Total operating lease liabilities	$ 27,291	$ 28,593

XML 93 R75.htm IDEA: XBRL DOCUMENT

Leases - Maturity (Details) - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Leases [Abstract]		
2025 (remaining six months)	$ 4,560	
2026	7,495	
2027	5,603	
2028	5,073	
2029	4,193	
Thereafter	5,966	
Total lease payments	32,890	
Less: imputed interest	(5,599)	
Total	$ 27,291	$ 28,593

XML 94 R76.htm IDEA: XBRL DOCUMENT

Commitments and Contingencies - Narrative (Details) - USD ($) $ in Millions	Jun. 14, 2022	Mar. 25, 2022	6 Months Ended Jul. 28, 2024
Environmental Issue			
Commitments and Contingencies [Line Items]			

Loss contingency, estimate of probable loss	$ 0.6
Aggregate payments towards remediation plan to date	7.3
Minimum | Environmental Issue	
Commitments and Contingencies [Line Items]	
Loss contingency, estimate of probable loss	7.9
Loss Contingency Accrual	0.6
Maximum | Environmental Issue	
Commitments and Contingencies [Line Items]	
Loss contingency, estimate of probable loss	9.4
Loss Contingency Accrual	$ 2.1
Denso Corporation | Sierra Wireless	
Commitments and Contingencies [Line Items]	
Loss Contingency, Damages Sought, Value	$ 84.0
Harman Becker Automotive Systems GmbH | Sierra Wireless	
Commitments and Contingencies [Line Items]	
Loss Contingency, Damages Sought, Value	$ 16.0

XML 95 R77.htm IDEA: XBRL DOCUMENT

Commitments and Contingencies - Schedule of Liability for Deferred Compensation (Details) (Details) - Deferred Compensation Plan For Officers And Executives - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Loss Contingencies [Line Items]		
Total deferred compensation liabilities under this plan	$ 37,175	$ 39,700
Accrued liabilities		
Loss Contingencies [Line Items]		
Accrued liabilities	4,015	7,412
Other long-term liabilities		
Loss Contingencies [Line Items]		
Other long-term liabilities	$ 33,160	$ 32,288

XML 96 R78.htm IDEA: XBRL DOCUMENT

Commitments and Contingencies - Schedule of Other Assets (Details) - USD ($) $ in Thousands	**Jul. 28, 2024**	**Jan. 28, 2024**
Other Commitments [Line Items]		
Total cash surrender value of corporate-owned life insurance	$ 27,451	$ 29,636
Other current assets		
Other Commitments [Line Items]		
Total cash surrender value of corporate-owned life insurance	0	4,538
Other assets		
Other Commitments [Line Items]		
Total cash surrender value of corporate-owned life insurance	$ 27,451	$ 25,098

XML 97 R79.htm IDEA: XBRL DOCUMENT

Restructuring - Narrative (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jul. 28, 2024	**Jul. 30, 2023**	**Jul. 28, 2024**	**Jul. 30, 2023**
Restructuring and Related Activities [Abstract]				
Restructuring expense	$ 1,541	$ 9,761	$ 3,810	$ 11,821

XML 98 R80.htm IDEA: XBRL DOCUMENT

Restructuring - Activity (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jul. 28, 2024	**Jul. 30, 2023**	**Jul. 28, 2024**	**Jul. 30, 2023**
Restructuring Reserve [Roll Forward]				
Balance at January 28, 2024			$ 6,277	
Restructuring	$ 1,541	$ 9,761	3,810	$ 11,821
Cash payments			(8,035)	
Balance at July 28, 2024	2,052		2,052	
One-time employee termination benefits				
Restructuring Reserve [Roll Forward]				
Balance at January 28, 2024			5,799	
Restructuring			3,706	
Cash payments			(7,487)	
Balance at July 28, 2024	2,018		2,018	
Other restructuring				
Restructuring Reserve [Roll Forward]				
Balance at January 28, 2024			478	
Restructuring			104	
Cash payments			(548)	
Balance at July 28, 2024	$ 34		$ 34	

XML 99 R81.htm IDEA: XBRL DOCUMENT

Restructuring - Schedule of Restructuring Charges (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jul. 28, 2024	**Jul. 30, 2023**	**Jul. 28, 2024**	**Jul. 30, 2023**
Restructuring Cost and Reserve [Line Items]				
Restructuring	$ 1,541	$ 9,761	$ 3,810	$ 11,821
Cost of sales				
Restructuring Cost and Reserve [Line Items]				
Restructuring	0	362	0	859
Restructuring				
Restructuring Cost and Reserve [Line Items]				
Restructuring	$ 1,541	$ 9,399	$ 3,810	$ 10,962

XML 100 R82.htm IDEA: XBRL DOCUMENT

Concentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net	**3 Months Ended**		**6 Months Ended**		**12 Months Ended**
	Jul. 28, 2024	**Jul. 30, 2023**	**Jul. 28, 2024**	**Jul. 30, 2023**	**Jan. 28, 2024**

Sales During Period (Details) - Customer Concentration Risk						
Net sales						
Concentration Risk [Line Items]						
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%		
Net sales | Frontek Technology Corporation (and affiliates)						
Concentration Risk [Line Items]						
Concentration risk, percentage	13.00%		13.00%			
Net sales | Trend-tek Technology Ltd. (and affiliates)						
Concentration Risk [Line Items]						
Concentration risk, percentage	10.00%		10.00%			
Accounts Receivable | Frontek Technology Corporation (and affiliates)						
Concentration Risk [Line Items]						
Concentration risk, percentage			14.00%		15.00%	
Accounts Receivable | Trend-tek Technology Ltd. (and affiliates)						
Concentration Risk [Line Items]						
Concentration risk, percentage			12.00%			

XML 101 R83.htm IDEA: XBRL DOCUMENT

Segment Information - Narrative (Details) - segment	6 Months Ended Jul. 28, 2024	12 Months Ended Jan. 28, 2024
Segment Reporting [Abstract]		
Number of operating segments	3	4
Number of reportable segments	3	

XML 102 R84.htm IDEA: XBRL DOCUMENT

Segment Information - Net Sales Activity by Segment (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Revenue from External Customer [Line Items]				
Net sales	$ 215,355	$ 238,372	$ 421,460	$ 474,911
Gross profit	$ 105,464	$ 100,728	$ 205,056	$ 203,674
Net sales | Customer Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%
Net sales | Product Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%
Signal Integrity				
Revenue from External Customer [Line Items]				
Net sales	$ 59,434	$ 46,126	$ 117,733	$ 87,017
Gross profit	$ 36,768	$ 27,606	$ 71,529	$ 52,093
Signal Integrity | Net sales | Customer Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	28.00%	19.00%	28.00%	18.00%
Analog Mixed Signal and Wireless				
Revenue from External Customer [Line Items]				
Net sales	$ 79,311	$ 69,989	$ 154,655	$ 129,608
Gross profit	$ 45,399	$ 43,123	$ 86,103	$ 79,597
Analog Mixed Signal and Wireless | Net sales | Customer Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	37.00%	29.00%	37.00%	27.00%
IoT Systems and Connectivity				
Revenue from External Customer [Line Items]				
Net sales	$ 76,610	$ 122,257	$ 149,072	$ 258,286
Gross profit	$ 27,111	$ 47,349	$ 54,205	$ 101,157
IoT Systems and Connectivity | Net sales | Customer Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	35.00%	52.00%	35.00%	55.00%
Unallocated costs, including share-based compensation and amortization of acquired technology				
Revenue from External Customer [Line Items]				
Gross profit	$ (3,814)	$ (17,350)	$ (6,781)	$ (29,173)

XML 103 R85.htm IDEA: XBRL DOCUMENT

Segment Information - Net Sales Activity by Geographic Region (Details) - Net sales - Geographic Concentration Risk	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%
Asia-Pacific				
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	65.00%	62.00%	64.00%	57.00%
North America				
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	21.00%	24.00%	22.00%	28.00%
Europe				
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	14.00%	14.00%	14.00%	15.00%

XML 104 R86.htm IDEA: XBRL DOCUMENT

Segment Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details) - Geographic Concentration Risk - Net sales	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%
China (including Hong Kong)				
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	45.00%	29.00%	44.00%	27.00%
United States				
Revenues from External Customers and Long-Lived Assets [Line Items]				
Concentration risk, percentage	20.00%	23.00%	20.00%	25.00%

XML 105 R87.htm IDEA: XBRL DOCUMENT

Segment Information - Net Sales by Type (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jul. 28, 2024	Jul. 30, 2023	Jul. 28, 2024	Jul. 30, 2023
Revenue from External Customer [Line Items]				
Net sales	$ 215,355	$ 238,372	$ 421,460	$ 474,911
Net sales | Product Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	100.00%	100.00%	100.00%	100.00%
Product sales				
Revenue from External Customer [Line Items]				
Net sales	$ 185,966	$ 210,196	$ 363,455	$ 417,577
Product sales | Net sales | Product Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	86.00%	88.00%	86.00%	88.00%
Service revenue				
Revenue from External Customer [Line Items]				
Net sales	$ 29,389	$ 28,176	$ 58,005	$ 57,334
Service revenue | Net sales | Product Concentration Risk				
Revenue from External Customer [Line Items]				
Concentration risk, percentage	14.00%	12.00%	14.00%	12.00%

XML 106 R88.htm IDEA: XBRL DOCUMENT

Stock Repurchase Program - Narrative (Details) - USD ($)	Mar. 11, 2021	Jul. 28, 2024
Equity [Abstract]		
Additional stock repurchase amount authorized	$ 350,000,000	
Remaining authorization under stock repurchase program		$ 209,400,000

XML 107 R89.htm IDEA: XBRL DOCUMENT

Derivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details) $ in Thousands, $ in Thousands	Jul. 28, 2024 USD ($) instrument	Jul. 28, 2024 CAD ($) instrument	Jan. 28, 2024 USD ($) instrument	Jan. 28, 2024 CAD ($) instrument
Derivative [Line Items]				
Number of Instruments | instrument	4	4	10	10
Sell USD/Buy CAD Forward Contract				
Derivative [Line Items]				
Number of Instruments | instrument	4	4	10	10
Sell Notional Value | Sell USD/Buy CAD Forward Contract				
Derivative [Line Items]				
Notional value | $	$ 5,115		$ 12,899	
Buy Notional Value | Sell USD/Buy CAD Forward Contract				
Derivative [Line Items]				
Notional value | $		$ 6,950		$ 17,550

XML 108 R90.htm IDEA: XBRL DOCUMENT

Derivatives and Hedging Activities - Narrative (Details) - USD ($) $ in Thousands	3 Months Ended				6 Months Ended		
	Jul. 28, 2024	Jul. 30, 2023	Apr. 30, 2023	Jan. 29, 2023	Jul. 28, 2024	Jul. 30, 2023	Jan. 28, 2024
Triggering Event Two							
Derivative [Line Items]							
Variable rate spread			3.58%	3.44%			3.58%
Secured Debt | Credit Agreement | Line of Credit							
Derivative [Line Items]							
Derivative term			2 years 9 months		5 years		
Debt outstanding		$ 150,000	$ 150,000	$ 450,000		$ 150,000	
Interest Rate Swap							
Derivative [Line Items]							
Interest swap agreement	$ 2,800	2,445			$ 5,595	4,590	
Total Return Swap							
Derivative [Line Items]							
Interest swap agreement		$ 300				$ 200	

XML 109 R91.htm IDEA: XBRL DOCUMENT

Derivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details) - Designated as Hedging Instrument - USD ($) $ in Thousands	Jul. 28, 2024	Jan. 28, 2024
Other current assets		
Derivatives, Fair Value [Line Items]		
Derivative asset	$ 6,774	$ 7,312
Other assets		
Derivatives, Fair Value [Line Items]		
Derivative asset	862	178
Other current liabilities		
Derivatives, Fair Value [Line Items]		
Derivative liability	80	0
Other long-term liabilities		
Derivatives, Fair Value [Line Items]		
Derivative liability	0	7
Interest Rate Swap | Other current assets		
Derivatives, Fair Value [Line Items]		
Derivative asset	6,774	7,144
Interest Rate Swap | Other assets		
Derivatives, Fair Value [Line Items]		
Derivative asset	862	178
Interest Rate Swap | Other long-term liabilities		
Derivatives, Fair Value [Line Items]		
Derivative liability	0	7
Foreign Exchange Contract | Other current assets		
Derivatives, Fair Value [Line Items]		
Derivative asset	0	168

Derivatives, Fair Value [Line Items]

Derivative liability	$ 80	$ 0

EXCEL 110 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (-:$'%D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+ (/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A:!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " #6A!Q9% WE;.X K @ $0 &1O8U!R;W!S+V-O&ULS9+/ M2L0P$(=?17)OITU%2NCVLN))07!!\1:2V=U@\X=DI-VWMXV[740?P&-F?OGF M&YA.!;%\Q.?H T8RF&XF.[@D5-BP(U$0 $D=T-8CDW.S3O4\/;T^)+7+8Q+ M))W"^56,\K?EM4;<';':]$TPK>OB^N/_RNPM9KLS?_ MV/@BV'?PZR[Z+U!+ P04 " #6A!Q9F5R<(Q & "<)P $P 'AL+W1H M96UE+W1H96UE,2YX;6SM6EMSVC@4?
N^OT'AG]FT+QC:!MK03621A'^_1S80RY8-[9)-NIL\!"SI^\Y%!^?H.'GS[BYBZ(:(E/)X M8-DOV]:[MR_>X%#BVR]*+ M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$WVWO@C(WXV(]ZMOFCU7 MH5A)VH3X$$8:XIQSYG/1;/L'I4;1]E6\W*.76!4!EQC?-*HU+,76>)7 \:V< M/!T3$LV4"P9!AI@S M&L%&KQMUAVC2/'K^!?
F<-0HACA*FNVB<5@$_9Y>PTG!Z(++9OVX?H;5,VPLCO='U!=*Y \FIS_I,C0' MHYI9";V$5FJ?JH,@H%\;D>/N5Z> HWEL:\4*Z">P'_T=HWPJOX@L Y M?RY]SZ7ON?0]H=*W-R-
]9\'3BUO>1FY;Q/NN,=K-7"XH8U=RSTS0LS0[=R2^JVE+ZU)C*AZ*X M]+',<$X>RPP[9SR2';9WH!TU^_9==NOCI3!3ET.X&D^* VVZG=PZ.)Z8D;D* MTU*0;\/YZ<5X&N(YV02Y9A7;>?
8T=`[Y\%1L*/O/)8=QXCRHB'NH8:8S\-# MAWE[7YAGE<90-!1M;*PD+$:W8+C7\2P4X&1@+: '@Z]1 O)256 Q6\8#*Y"B M?$R,1>APYY=
<7^/1DN/;IF6U;]\I=QEM(E(YPFF8$V>KRMYEL<%5'<]56 *P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^I=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71%
B.5' 86%S+D4.Z2 MD 83 >LX=SFWJXPD6L_UC6'ODRWSSEPVSK> U[F M$RQ#I'[!?8]*@!&K8KZZKT_Y)9P[M'OQ@2";_-;;I/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-%^/%&*MIK&MQMHQ#'F
6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4_VJ0-:/8--!R1!5XQF;8VH^1."CS<_N\-L,+$CN'MB[\!4$L#!!0 (M -:$'%DL#@SJW04 -D> 8 >&PO=V]R:W-H965T&UL MM9EK<^(V%
(;_BH9V.NW,$BP9"&P),\1)NFDWNVQ(V]EV^D'8 CQK6U26(?GW M/;+!9E/ŸP'B6? B^G==Z?'1Y)8VV4GU)5T)H\AQ'27K56FF]?MOII/Y*Q#R] MD&N1P)V%5#'7<*J6G72M!_RH#CJ,,?
I=V(>)JWQ*+\V5>.1S'04)F*J2)K% M,5TO/(;+E387.N/1FB_%3.C?UU,%9YU2)0ACD:2A3(@2BZO6 MA+[U7&8*\B?^",4V/3@F!F4NY1=S#31A8M(XTPKNAA"GQY[<"$6FD#'2)NF**Y&.
M.AJ$S>V.OQ.Y+D18C4B?/,A$KU)RFP0B^#]^ P4J2\7VI;IF]."O671!V. - M80[K6LKCX>&3; GAKBW\J^*XY4=R6#,5AW$D'P;]\XAK+7B46A.) MAC4$')2 [10'O2B,/**@-R%D2#W23%,
^>;XLJ'+)X+9:/%A1V'MIV^.^S9 MB-'0AL3#DGB(%NPVT:$VK7$9FKX5;KUWQ/OX.+4QHM$- M&:E3C;'.*93WB2\55-==1F<:VBB1BG@R2[1Z@=__BGY$_>;61HP'-44^L!7T M%.0G_DSN
VBSX2+T(Q\3>UYQ27#BY"YZ2:"3DSRP,J,"39DK5T11'_(_9L<07U^DMO$RHO+ M>1PF$F$422OJ.2P1K3P1Q5W-:]2R[4Z5W(2);\\OKNE-K*#G,$]TO
M0:70L>*>PSC1RCE1W/#D578"\]]Z.EQ@X%C' M5#RJ*59EE"CN;MY+'Y(V7EPJ97O'#:)5CZ)XG[F*=3@AN2" M4/;C_"9(-\[%PXE:YCUY7-BZR
M+$6M(SPB]&$RNYE8IZ)X8%/"RAJQDZR1EREE)C/%#"9/)0PJF77YY8CB9^NB MC8=`->6L+!$[R1+=)S#C+E;KS*R4[\&MG+AB'>? % M2ZFL7=$1G?=<06V?^+X (9
I9H&VGMO#E9H25VZ(G>2&9C&/(G*=I7 [M==; M7*=V$H['->6K3! [R03=QD(M3P/J^P/P]W+ M/I$K 8G$\'"9>KQSV"!6V2*&.YA]3WLPQH-USQ>YR<=,@[--S!AJ)?Y&!F?W
M'0JU7JYF=E8VX\L>8Y=NEXTZ&QMC9848;F FL4B"?%7L+N)V%%R@/GGG,#BL M,C@,]R?E:M]=F!HW^UF .[N#B_:>!A=C#K/Z=#RL(:-;F1WWR-+-*\;= FXM MY1&Y3\RZF7 .N^-6=L<]S>X
I@+$^R00S^0W8>UGCD@YYF\P&'!M:A&?#R/=64^&91LMA'+*^6 M^[:37+>R4SU>;/H^<#->IB02"PAU+BZAPU/%/FIQHN4ZWXJ<2ZUEG!^N! ^$ M,@__864>G]B7E#N9H__ U!+ P04 "
#6A!Q93?(]:3((!))P & M 'AL+W=OG!DL_N8OBA%_N954D"BZK[:+>5R)) MNT%%ON"4^HLBR*R/ M/I.6RIV4G]N#+^GUC+9/)'*Q4:V)!/X]B)7(\]82/,>7P>CL<,]VX/'G9^L_
M=.2!S%U2BY7,_\A2M;N>A3.2BONDR=4G^?B3& AYK;V-S.ON+WDT=O&% 1WW1 M<^\ZZ1^+3SR60WZ1I=K5)(;'2Y'Q:_MX MWS)^ 2XZ^(D_^^F6&PW^W.07A(?O"*?
<19YG]8KA#NV&.QB=OW?W^/^^^XDS MG$/2.)T]9\+>D ^')"'.?7]7JPHF_?^P4/?&7-Q86PDOZWVR$=J@GCU*.>KU'%8(X? MN#C5Z$ ULK:/?^]%!5E=;HEXVK?B
P1#*=0E1CLZ9^\XI['U.8W%9S)V$@Y& M1PU(K;EW"SH=PO&.;$4)H53'42-'/"\(]8*#P2)/ MKTMK!,9H2#TM?V,,QP+'FRBY[$@.,ZLK/E8R;38*UAH/LC(M^IF](8HMP 7 M%?
@*=04SZR6EH3Y%,5C@.GKQ16 A\T/#$R8,6H\S,449'QW!K8[X4*H$Z-[E M@B1'C0CESH=%P&YH=%P$92GYU*,@*+ U\U(" W=$;48NC[J2&87DE#&!+1,]1QTE+.IZ.8\ MA":FL\9P+C.+&
(+S6$@#G36'3U;MN.P*6#*FXPZ=V M9/J6YJ9ST[H9 YK":UMV!H)A1"V/4F#^5"*0XW:AULV!.W$O*T%4\B1Z3X@O M3::^D2DHG4R>F\I!]R45'/F^R"]=8\0@(=[IL!!+8:^HQ>9&++7H!9S[$YX9
M!1VW"SK0\@]9]T8#G//<^CH7H2XPM9;+S1EBHCS?B_1-,@06&(TBQHQ!/YD0 M/'R4=_SEW<#*"V^-1E,(39G >61X0P$""HVTC=@UJC%R/&,O14,Z#+FTHF>
MR$<1R.TB,/Y&'YA:S)@*)F2N;S2N$9"G"U_4T%29'$4?MXN^YR1 V2%Z"X\P M)LQ"3JF^6D4M1H[K&1%&@&V$^50A'*4>MTN]0]8G2E797:.2=O&J)"DEA+E4 ME>QV.2#HO3I'"6-
,B/LB&HS\OU%,S%F9D()(\5'X<;OPFW01!'D!=;!6A,:N_41>(, N+XS\QRRB>8$ V[Q@$_3?+2)W+[=V#5(4$K]FTIT MEY&?=9OQK-;69[46G\O:Z7O#4;4Z=M5ZD)39AKS)2I+;$RJH\"@R]'!7'"B
MF2Y\?<\%@WD7D2[4<&N1+MM[/#0R M%H&YE.J[AB@LU+M1C,&W8=?3QA+5Q-D4KRAF!89PQ&,(9@2&< M%T='@PI1;;LS637,L*94_8&/P[>'[@5O0C@6:O^W%9_H>2^.YAT)Y621?
=Q)Q+0)BT ?K^74CU? MM#M/)S5P" HPA=3QSL=UI.G.] M3-*TGV60#0T@%XDX[:_O"A-LA*!)P_5++.#91]H7K7:5V9X5CSRF5*#G+,WY ME1$+L;LT31[&-
"/\@NUH#E\VK,B(@,=B:_)=04E4"66I:5N69V8DR8WYK'IW M6\QGK!1MD#; O$RRTCQUS5-V?[*P,;+B[MD&POYPIS/=F1+[ZEXV-T6\&0V M+%&2T9PG+$<%W5P9G_'E"OM2H$+\EM
]/QDCJ1"*^,GP#171#RE3< ML?U/M%9H(OE"EO+J+]K76,M 8/0"=BU@JP)N MCX!3"SBOG<&M!=S?SC"I!2K5S8/NE>&61)#YK&![5$@TL,E!9?U*&NR5Y#0) M[D4!7Q.0$,%RR-
P.XT0C#A+DX@(>+@7\ /Q(#CZNH%/&41A+,/CB:*;/&09 M16=E3LHH ?1'=(X>[I?H[,-'] $E.?HU9B4G><1GIH URIG,L%[/]6$]=L]Z M'/2%Y2+F: 7KBC3RRV%Y;T#>!-LT!K)?
#'1M#Q+^7*87R/8_(=NR7'[!3)7RKC6KP=)KY*4Z>EI?HZGEAU, M9N;3J;TT.,>'O.:T<4L=7^"X${>-6VEP+L:N;36XEJINHZI;"3H]JGX5,2U0 MV(K\,ZG[1XAPN0$^H9R*2YTEW"$;RLQ_R71
M@NVII81G%W3N><%4"\.*QR3?4IEDX32$;Q%: MTQQ& NU2L$,5E#K=O>YBL*+40H.9*$HM-1A'W9&ZN2Q;K_>TT7LZJ/<[MN-4 MXX? 5?W>14TP]A3MNR#;4_+62H-
Q@Q[M_49[?]CK+;W[,K"O\[%O.VH&UN"< MJ>?[:I#K^ ('!UC16<S+3^P>T(]:0.WJ@T(D(4R;H49)W"QF$M1(*@D&NT&R#H+%*-@"[B7-%T^:\D#PV)HS<#MHXEFO5>0\ .R"# _0;D8
M/L8LC6BAK[VL5X:(#EC%B+HCM(RZ(-$!JRB9])CGI(+%@^:!A@':@1RMGL-# M:>2P?C4%)FOP-543MFBV!R@(224AXC#8I$,8TVM+^NJ*>H5TT8#6;
M=$%!)Y%HB/!4+2UT*'O:DT&.I3X>K%7G=S1,">?))@FK.I(CMD&-:2J;U/;I M,TUU&,'/(;2UAG*[U:>CVJF+.<>>JUI*@PI4.VDP]M3K,=2QZL;#9?=-?<"B
M.R(HNM^3G5;509(W[]\QV9:CLJW&8FN[X]@+8.^;Y=C!-N/-/AJ3;3DJVVHL MMK:/CGT+'FY M[F3^EU3K=Z^$;*R>. L=#/M.YV#2P%PG4-L^'JE30RD2;=YZ+JN=C?L(R,QL5!9=$4J:?;K
M=Y1CJ?GCN0]STGG#[+ZHE9":/1M793J8K+2>O-Z.E7I2JRY M>B4WHH0[M{):(1"%2;5QP^'73DV? I9V*6"[%)!&G]T M+!5U58E2(ZX4Q/S:%D_K(+
[,#ONM=KP5%Q,8$LI4=V+R>S%3SCTW]BB>R9G M![':S4Y7UVQ=4*P:RAU!R(KW5^SPL(WCJ+K:NP<67*POT,8Y:0^'QZOQ^/ MQ8S$+&8[LP.DP0YIX$1ZF::R!F!0,U(!*&*X:%"*(5X
37(K%*%Y"TZ81Z+ M_2:FD\##(?9@A-J(IDP4C[:XV@>S?<",)%'8B\MB1@-*B#TNMHN+.>..E_>0 M;UGEPIIS9L6^ACWL%G,@!)1K"%.VRA$]O'2FQXGB'-O]G1A19T-&(]Q
)LYZ]T&69^GQFI<\9\U[)F<'\6*_XSK_MR+H&^5/I1P]M@-YT4RQ,[=N +M$>*D$U027A:5JOZZ+AP4P D#3GC>0P58;Z MON?'N*TS)*9>1-CQ2K/%=5A#$D;.\9FQVB(8_MXSV6Q\
[(K\6M@)ENMK1C M/6Z]'#P_]G'4AVDW"T90=@2,G9PW^T7*["$O"BLT8MLKV _ZV*QVA(QL%MPQ M)G939EMX\E+S\BX'%MJFL5DV5L!T (0RR@9X;68L#$?@=K2)W;S9PG5,]9#6
M$D+88*HM9AAC.@*O8S_LIK_E\O+]^ARL7BW7%CA69B-AK'O^WV -L,(?D9T M!^Y($(=/TH-%SF_R(M? U-8"B9UD^J,5\KF\'0;=L2MVT^M.;FWXH]%:UH"' MI!FQ*I$,S- L8#[#(_/2<2MVDRM
K&HH97OS8D4Y9$T".&GVA_N@9_)V M&'A'C>0'J/'(+)$A\?57O<4D'I.39*\U=3/C>UG>G6E1K4&1W%CIA@QY#]0V MB<.^QK 9T@C[= QDQY#D*0Q9[* >2^:0^1(<)TD?K\TL"4?*".D(DK@)\DJN
MU[DVRD^UG; L=5[>B3(%O.CT@]0"8?+2BMSIV;YBD77I_W]'A]%W_$N8<[LO MM$R_K&21B4J]^"F&&O*FD<+Z$9UFXC9/<_T2V3>_D]A_>/,_D[?#-'0<3]R= MKED$H.R5R8:'3OQ7/@;FJ]
]+VKA(<) [?O-+U(K#@@0K_4*NO9_1>:A./88 M#CP6,90K93C)+*2(>1C''HXHDK56H! %F'EQB/<' M'.\JR+#'CN/!=A\:16/O9$@G$XA;)BPKP55=/7[/'->P?Q3T4)AZ- F]P"
MA$&$V/1)O@?]TO;]$X(;JH6=#.KU!W'KCD] <+IFFM=F_ M5I!#^7 6D(@$;;$9D@HC1+?#I-V0H.ZF_#+O?9:MB]SY!HV]\I\&[@?P!]J
MO*FBPP;YC$2T3\)6LR09Z5IHIQ6H6RNTDDY9:JA$!C)H\40\@C%? 1CIQFH6S.T7>O[^>7;^?OY+_]! MI]?O?IY?S9=6R;!U?/!VW-K/6@UM_>QT[Z./^>+V.Z N\E*A0MS"2/]5!/%7
M[4>L]D3+3?,=Z$9J+=?-X4IP6,3& .[?2I \VQ/S:6GW*7'V'U!+ P04 M" #6A!Q9P@Q)$E(# "9"0 & 'AL+W=O5D(9$R;8OE]P?" MQ&[FA=[3C<]TTVAPN^PC^G'=Z0)=%?
NX6$GC^HU+0E7%'!D23KF7,62' ^&^OZ0VOM(F'[2?U M#\X[>%EA1>:"_4UKWQ^X/L .;16KQ),N7^TV\<&'JJ,TJ+= M)P-!2WE_Q=_V=3A("),S"=$^(?K5A'B?$#NC/9FS]1YK7$ZEV"%IHT'--EQM
M7#:XH=R.XE)+>$HA3Y=SP6L8$U(C:"G!:(TU=!XPP[PB:&F%%;HR'\N:PI-K M=+7 DG#=$$TKS*[1[^CK\CVZ>G.-WB#*T9=&&(5YK::^!C[[%K_:LSST+-$9 MEH^&W:*HN$%1$*4CZ?,+Z9B?
2_>A*D-IHJ$TD=.+S^@M-90"]JQ&8HT^4 X% MH9BAA5#4S,C(YY MKYXY=?M-Y99I6@13?WMH\#0'T%4]B<AVCSW&@R&W95W8;?Z^<'7,%M< Q_(>@9>C:@9Z] =X *8:,;(>D/J+NU MT-\=Y>
[%T\-ZID' _.X+_ERP52L-'V#*-Y<,%*=<:1@681X?&3@-S)(D3(MS2W0R&)B\ M:. +'#R4D=]["Y=P)R<481Q/LB2(CG#' G/8%8KX"-<_V#CMH>43EAO*%6)D M#:G!;0X:LC\
(]!TM.K>7KH2&G=DU&S@[$6D#X/E:"/W4L=OSM_4 D;%.1 MA =0G/S[;22-$-VM-GC>Y$MB6:>?/L#K0^L]@#*X>R^IS?9_GC?5UO=K4UY/[MIGEX/9W6B_M\G=6ORH=\(]ZF+'MUHBU7U=VT?
JCR;+D;M%Y-J6V[TW56;"8W M5[O?O:]NKLIMLRHV^?O*JK?K=59]>YNORL*%^9J$DYF=&2@SKJ4%H\=)C0H+#0G-EI64=] MV";TD3*'U%T?JZZJQV\EV\=C-U](H-ZK83U6[W*'>YO&R'VNU06@ER6)5!:
MBJ+U!=MY[N3'F.Y$XUO[1+X$8E!4:$YY=(E4YZ2,*A\F-9DQPCRY]$&-=R@M M1='Z%Y1VUCO]KM:[F3[Z@E*H]4X'6^_0>2,H+8;2$B@M1='ZVNVL=PJWWJEJ ME6NM=SK0>M?P5&],]-;[YI
K?6NB]-9[YHXC?6NB3IKO=.32]4AUZK[NV/% MM<=*8V]S3AS?)?+1PEZ)/G3>.73>"$]+H;0$2DM1M+XT.UN=/ON*=),<-1>(M,]NCCKQ&F/==[C\YQ[K@)0Q3ZY&B38P M")A.C]3/CIOG?
Y(;YU"O74H+832YE!:!*7%4%H"I:4H6E_NG;=.G^^M M4YU1&S#N<+GP# P,S]RM;8/XHU5(<[,RYTWW]Z-G0DMGMRJ76_B3%%5GW3ZE"ULR]/%Q0' M(2+]YQ!*FT-
I$9060VD)E)8^=>3[DNWE6VJR.KVN1-%>^,Y6'>VO[2"BZSY5+*'S1E!:#*4E4%]*HO5UWC4%]+DI -2Y5MNJU\X8HXYBG0V+ M"P]QO;N:;5N6(M)KC_2I$3FU&#IK
J6E*%K_7OZN7\#,_8(Q+7BF&O TX)YR M#_^@L-"_C-;\&;JV!,NE!8R30^! M,E]YH ETU@A*BZ&T!$I+4;2^8KL&!S,W.%]^,,T?5_9X?)]Y4SM2FC"0G/2
MHZND.JE/7>E2[4B7&B^S(7+Y@[8DH+041>N+Z>09.>:6Q(VO*DWP307P3OM M(?!D \>.73>"$]+H;0$2DM1M+XNNS8,_K>YUKL1BURM9X13KA\ M5<[L$.@\%1AJB+[Z^"8-
S>&^2Y1JI0;ZS%6>4JTT0$X]RF7K6!=(/:8\Q$D- M.]-D9UW;@)G;!L/N;S,>+:3O/8/20J::]RYW D[E!V3-H?-&4%H,I2506HJB M]>7;]2F8N4Q]O_OXVHV15F[R]Z,\.7+G # P,#X%//!].0W,"
7&,VU^52^_C+51)VK+YW;S[P?V(5G2+=X!J6%4-H<2HN@ MM!A*2Z"T%$7KR[WK%#!SI\#4A6>J?7Y)/)L&BITU,# T)S-:&SH:%A>8,1TL,:L9#:3&4E@S;O2EJ
MTOX37#LOGIN]^! 8V#1G,O;4#:6%7#7?SS0VH?-&4%H,I2506HJB]77>]0:X MN3?PG1N;7.7JZQ]; ^-'KMX3H#8VS9L\6HK:U-3&)G36!$I+4;2^R#H[GYOM M_#&-3:X:WL13KHR>#0L+S8F-
/4E#:=&P38BADR906HJB]775.?O<[.P_L[%I MIHX^X4)=?ZZYXI\[W)=QJX/.&D%I,9260&DIBM97[.DW Y@]?U1CD^L: 4R^ M'V7&=6T)2PT)SVZ2[JJ3D2\UA\K6H,32U!$I+4;2^EKH&!3$9?DZM-
GU? M^?2J;IESO?KS/LV5>M0'B_=M2?)P[O&B_M2>[X_8HW_P=02P,$% @ UH0<668F>2M,"0 TRH !@ !X;"JW;W)K MY26:BB'@BJ9SMF<1.6]^T M.4]]O;ZF2,C"A2)4DO+#??HN2%F0B 5LW?A-
+#$+Z(_%8G\+$&KJ3L MHL=U5;?GDU77;3[-9FVQDNN_:@WLH;_6>IFG7?PM;F;M9M&YF7?:%W-:!PG MLW6NZLG%6?_LIKDXTJNN4K6\:)VNU[GS=,76>F\PF9/#_X3=VM.O-@=G&V
MR>_DK>Q^W]PT\&VV[Z54:UFW2M=1(Y?GD_DTZ7@ID%O\1\E']]#SY$9RD+K M[^,+=7D^B8TB67LJJ,CV!CC]WG4[VOVD:'GY^[OW'?O PF$7> MRDM=_:*;G4^R291*9?YMNI^TP_R]V
A.FOT%7;_QL][&SC251LVTZO=XU! MP5K5P]\<>>(@P;0#]Z [AK0<0/N:Z+F%29!G!IU97JLP[^'+;P1^8K:Z-]#*Z MS-M5]"/,>!N]V];YME1@\SZ:1K_?7D7O?G@?_1"I.OKW2F_;O"[;LUD'RDS_
MLV*GXLN@@GI4)-&ONNY6;?05U)3'[63TEP"]\D=%JH M?$B_=1GE:]UTZG_] VSD0W?B8+XHBU,RFE77BB@&M$$\\:FN_USX/Z?]*Z?%!5=: > MDS=W?CD>:7,M:#H7PA,.)+:8B\!48 ?GZ,!,"\;
<&NT5'4..QT6<:%;/"1V M_1[%9RJRD6S$BI&8>50?P)D$5?_1 &DA;)K,]CT=2* MID'1OYA(!4?+1Y,>MZI=]7'=CV"!AL6NPZ.PY8PGCE[7SA.WQ)*9!+$'66WG M5547>BVC+G^4N$N9\^-3H-
18HFLE8L$]Z8%8?)(P/V]7>2.GIF"%C*#74,6W MKHR[Z^HX0[&4C]6Z9I1DWJ"U."5!"@WS_^X.MA#O31B4JMWH5CVOO<6V!7L3 M(0- H>H<8-)-
RKN?.J0Y'T,$L9F2U#,2"SP2)M[7/[>]>XK6LEOI,GHW1,A[M;QU#7)1-Q3C!(49D[A%]:4?"N/L)G#U4EFT.A0NX6>V!@DMU(3:E];/>7"O? M>K.@(V'27>IFHV'B(:T]U!#,E5I*4-MN&\AIT@LV@I
M21WGNE:,$M_BLW C M8;J-JPGCW+K3S5/4=G(SW6Y0Q2_##C%AC'!<+K6LHW%XM['*ZSO9FBIU6%7] M JM4OE"5OTZE08">6JB^56 _'+K#@I&%P N[UUE104+%*=9\O*G]H49>"4Y*E
M\3C'('8TI9[*A%ILP]'=2/$$T@(&8D)O.Y!R+4@H]F)YT!#81^Q0$" M#0+UY,3\1KT=>\&BE(91>M/H0LJRM=5*?*?2M?$5XLS"E84WDC?;IEA!&?Y_J6;N-G'*4S[.EI@9C;.YIZ!E
M%HLLC$77^Z^H%1G"O<2I:Q$KSV)G%HTLC,9#7[\D$L$D=W9GF-7EN MY#"!.CNHOA2@"->)@%#$9'R>@)E17PYBEI8L3,OC^2^"I3BJWD4DS^+QQA*Q MHB+V>=EBE(4QZJ1^+
(.BJE&P.OMAS(S,1>I;=9:K+#DI\]OSFY=._X.\/OGX M_XUZ. :")3<+D_LX]AIYKZM[XP-C9Q;.<,Z)NB&T#=V-S35)XM@;^?UWB0N5M/1Z1K8HK@S!=@%JHL#-6K$TX&F0O%:4:=1(E8
M$=AP>VL,;O')7\#GLT.7NHGD>E/I)RFCUG.Z9:KZ1E>5_U2.8T0EV9BHF!GE MQ+-YXQ:H_!2@RD?9%&K@0-OIXSM4I_T)%ZX0[WF*7\XMG<5XS,"S"H5B6=0%LS\
M93"7$O*W*8'4J]5[ZU$9Y%RWDG:IK$U:F MW)>-TB4Z".1EV:"34/8*\$AB&]U6+CR,%R#@Y#P/"S?I2L4CG8:1?[Y(P$%#AR=,6$Y+L(VCYV"?4)>QK[Y%$/TGW]QXH]Z.G6&A+\+0'Y^3
M0@%>]3>]@/]%OE%FX5AZ9J@1PQ)\YL(N]R$^Z[HF/Q+\+X?SY# M/>4EN$ @GHTK+,R(>XZEA>6\"'/^2BZZ@Q?@PWYUCWI3^\+R60/E^S(1%>_> M=B)9%CN5"F(W=O;LX'K@6C9W_:W)-
NH#8KA2MW^ZOYGYN;^/.'K^A7RZ.Y7 MVFZ&ZYZ_Y@V LHTJN80NXX\I^+,9;E .7SJ]Z2\A+G37Z77_<27S4C;& /Y_ MJ77W_,7\P/X>Z\5?4$L#!!0 (-:$'%E?:?S1VPP '0E 8 >&PO M=V]R:W-
H965T&ULQ5K,390C-D\-#GR^ITO[-E3CF[EUE0[XTR.?>-(%[*I*@^G M1TTFE73V;'$^Z!^_,8AGXP>'Y MTT8OZ(K"A^:MPU^'O93"5%1[8VOE:fYL._:WI.9:D/Y(WCC]WTE^)[;!EICT]M^4
M31&6SR:()ZJ@N6[+\,ZN;D;)GC.6E]O2R[]JE=8>353>^F"KM!D:5*:._^N; MY(?[;)BF#5/1.QXD6K[009_=7:E'*^&-/X@ILIN*&=J#LI5QGE3G?(?:C>V#HLO7I9 M%U2L[S^$CKVBTT[1R^EG!?
[0E@=J^CA3TZ/IZ6?DG?2&GXBUWL8GJGGMO:V M-,7@A['Y(Y7IM9U;G2IKO*0D)?!JW]=S'QPR*Q_;_-05.!TNP)<;4]H-VW Z M-FGX+'=-D_-OOCI^>/3]9\P[[(KQ75U0%
MRI=PM6NLB\OV@EU06))#UH>E,G!IWD>""D#%S)O":&?(9PH+U>2YK1I=WTZ4 M=6J29$[V%730:HD2?-"0$ZRJ*@.!19L'ZS+UN@[D:B =]'J_-/?"][W)
M:_L>^_VM1U"]F)27MBU8D9JAX]J$6\7A,1#8.'MM"G(V$^*>+'4*#FO<*JH MF#3\YJO'T^-'WWOE3&U+N[@=)$>U-A6 A:K"[I(RY0#,!%E!PDB]?DX3MV5Q2P MKB@>>K.H$6%\BS;1X-/(
SXIZ3Y1X"BO6+[3]4+R*_HE1/?GMD(HI$IUT\#M MDF8I=2K$:Z&*MBU6AJD(L-3K927[_@0>"8+:@FITOD':N^ M93^TN$ \RTP!DGL$N.EF(Y/%.OK%=WDU 2)A:U)'9^.
M[6#5^+2Y;1VJ/0D2LY.];%/*#4]>Q*AW,UC2#Z OWTD I>5UT^:A\M&3QQ/_O[M0&\"T46-O"S5.RD"/I")E3H^>O#W'CS'R4U,';ID[GL_M%Z3,]G?CGKW#N7(M ,0*=#>\[QO.YB@Y
@2N!)Q;,RDH84;>.L?/1FOW%1H52 KGF30Q M@6\UU\:5T#()QPQ OKXND%C2WUE4*JQWO3$J(?XM9S:0(,N[3L/=("?-* B
M8JY\G6"JRP_@@J#68#+>LO*=>MIS6QO\^QA8730H]J[(*D/MJDC$2=K5A& MW-1 8#A#9K>*@46LT]R4 4&!5V:Q:\>+&X% UG:%KUYQJFG!5.P\V-;QW%. MX.^WP=.@Z0Z@^G8#HB*P=
(&,O;O?]('?S-MG'+A8;%]JQ2IK5*X2Z7 O#ZTP_[.Q =S:* \\D2OPO44YA]XE'"H%%$3%'5-2?PL[7'ARJB84@UNCY'&:(MCKUW==7W3:RG%+?2Z!EX=.C:8X$^45J?A@R&
)0TG[QK3SR%P]$E\YJYQ3,P81250"Y>E!4I^-[;O2QW*" FM$)1RD A?@S."O[# M#8D@Q_@.>.(V@LA"OSX[%65@6<3:..+!X_Y!K/,[>HJ."P=I=G/W&*8DZN5 MQ(^8I9\<"3DZR;K>)+IE,)33I;?;-
%CG0>PAH+,&#458Z\0#$T@QCZ'H[S6$'/H<^ M7L_A3!/4!=P80[',05A1W3R3R!EZKM,_6CKQ8/WA)GP!;R@A'1H5KS +H48<%P*H?CUV%(4],?X,B!>,'6),@-
]1O3]WGL6T4V:9G@RRSISV$$]0HUG-@:::VU*/2M1T-8YNXI+@#>< MC"T2PXDE[^C:EM?\95+\%59(PMY/[UA2!7@@TROF?OPZB24/F@'#"[A]D\?Q MC9U)]N?
GO[@7ARLB^$&!5VIQN<\82.FV!=84W(I5;&*@RO!D8[KS@'P>B] MNK3X3^U-7EU<7 MTW2N'IT>[3]1KRN^<4WJ\25MOU*IZ"DR3U2VX^FJ:68=*.!Q"/8CE8S
MNLW1*PV[8SSLR2VN)!1&3.=WS@I8)^DEE1ACA&M\(Q*O<16T"CY2\7?/=?)SB MG9FUXI%^&QN),G&T9X1\H%A=)%,#3T_9[,8\PP#$OR TB^-#DLXI+J\IHK98S#57LK] %H V M?
$/!7];[""]]A41\Y#)I0YS.*[!5TY2WW5R1S-F#'GX_UEKJ4W)Y,G#P&2$7 M:&0^C((\.29>N'-N#%'8\%/6S6Y=2TT]'MU/8';#.'XK()0M<<&]D_T1VJ\I MT6C0J;WT;L?1O.7;@S@J5'$ MR8C]
<+]@K6WGD3!.*2Q@6X!D/+ECRIVLE5CW>;_QJDG^7KL>GQ%8N.+G0@+?.7 PAU3'G1JUN8@J, K MY7?W[^I T?A>S_N+']%V/MP%P7"9ET.WDHLQ)[4!^.4, .8$KEQ>5JO>1HZ>W:W4'HE!D
-*$/8/-%>FH?'R;AYF+ ME=?$>V0_"=6NP:ZF6V]S_;5F?9.GJY/IMB7,!6YA?S> M1^[=ZA! %-,_[7]2=!%_23,LC[']>J,=/.1527-L/3IX=#91+O(&)_X1;"_ MJT&7#[:2CTL""W\ - _/+=AR^H,/Z']H=?Y?
4$L#!!0 (-:$'%D,=K7# MO 8 /X/ 8 >&PO=V]R:W-H965T&ULE5=K;^,V%OTK MA!JT,:"Q93W\F"8!DIEV=XI.)VBZVP^+_4!+M,56$CTD%3.(IFDYK+)KBYWT _=W*V&K-X$;
(XBM,W["5]=HFSE[QB[ZXU.#&&?5#U2C;< Z$IV*TQ M /P@>?:?VY6Q&B#Y[[DZ>#?I>3;-G.?XK847A3OFI,UY5]$=/I#$MA*@Y MX YCL9#-AM1KRJ2(_C7X[L,GIT'(R:IU>3B745V[8Z+S'@\
G.*83F?9C;K59/$AP@JCV[F(X3MI)514]]$9XY']8T&(W9 M;Y"!/Q"%2P&,ZFV?2XB5_%&PE1 -$LBK%H-%F9";!XL 0(C>RI>C%8 \%T[D M>3>\[V'J.V[0A5RU#?4$K,[D(*T.DY(/)H4]"%%=<+*_D[:$
Z=*=7N@'G%= MT'05]-"L HWG1C4<]MAJ M/QR-,:#K]FO5:I3V]8B3$!T"8BN),&@&-TH5.R 0 56N-]"Y6";3<8H[P@.3 MRJ-%KC:-_*MK-/D23SD5LANZ4Z0[F*Q1<I5N0+4:$.KW?

MF8_VO);IBMA\4I(]53"X_('%6?IB9:R/!=84HSPXOK5.FQHW;-C=5EP^O89 MV-+ER-PUP/>/X/59#R54;ZF&V9_]GKO_'3\O"4;;PX$ M!GL.!)K$-RB2!-R/0O-%;-[2>.[67F[K+\T9Y2. M%>L2;^#D()[QSLVW6>1 MU,HZE#]/N*6RK/AHT[U">2]L9Y15 P/@#K>+N72Z.P0T(VR^=@O(VN1%3#8" MT6+)10XE4--+2;6Z0>UVRFS,9C'B>ZNGJS%>U3,A\[0WR6FOUJEE-?'4>*1C M1H9W!J36BF\;/DF:T8?V.="H#W92#C,@^9^F)N["#:R M4.>EH[C6W\=H9GKE8K+%MS MC GZQIW0]1G(/X% =SY1,V[-]VS31,ZYK%JC1IIN8(G$94?OZ'[V615&_SG^ MJ.=(:49712X3:I6NJ'(CY(.X'C1P/B4>1Z<\-[^V(R0P3.QF!'(JO.ZUKE-(L?!8'_2"\$3AOS3P-JJ$*W)]7P>UZY4HS!28@=S=5, M?/ !-2MXWIFYJZ)I?;?RWA F+Q[00^C'?C)>&J=#*Y754"3_I)C7+Z[R0C: M>W,4Y K_$$IN1/+>HMCZ,"%X];F[E8!!1/TVR7G($97TPF?*>PN:W7W=?D MO4BWV:Y6+%I NRM3E9J>RCXF[EMG=Q=%;M_VJ*^JC;)C%XL#=EM)EH,HW*]P5 MTB%)5J#&B;@I+TM(6J R!?B*@TW5Q0H#-KN@!WS\$=-V51!,NJW.%IZC11UF MKN!3]A)H_U:Y4;"H3?'?9<#LMJI6^I,A0+&H$KF7]P36)'$:#"^VTBET+@O=9F3_&R(1>*+Y^";QT[?6&AQA94TAIX(0C);M74SY?0+?%SHTM73->&T";C/KN>:5.[.;AJRN5MJ(?:"].''#G OI4''S8TZ)X5>K%\-PR[^'6 MO85O_X/6^_H:77K!{$'?:O,?PGCK4@]]$6Q ;@V?NQ'M.#*5[UB^G!6[3V MX+E+P/X_]>#93> .IP6.V^J-:*9-IMO;@K=X5M>:QFUIL7F0?-7@\L+HU5 MKY8[MK?/W:V7B^G%<+08CYZKM\ _.#R]?<$(C][\&WK[%E]X;]_B$;U]!QOZ M%E]V0]_B40U]B]*H/E=#GYWR@1T;BR!??\]N$ M9^[B6QSLXCO0Q->2D_7VW=G(APZ;Q?GQ_3W.N>4#JK[*\32+\0\;2FBO!O:T M3U6YOFS1+%TJUN!N;NW*/H7;:ITJN.^;7(')X1$#8N*K;DKWHKWV31G>\%(7 M]H]8K;-T=[TNP^/9X_: +[@YS)_3Z==<7K^QK.I6_!O:.!?=S2D69T>W<;JY MGMK&6?>JGMC&Z;'%GVVW.F<_@OA']9>@O_YYA0_R@+^>[-1F77ZH-"QX+*KV][XY[W%/]TP-O> MY?C59=[@Y'EZ^_>;.6UXJM2T75:P=#1\'S68^UL/Q3I%]<4R[0HT@W]NE82 MF!U?@.)7*9#:?, %\&\%$7CO_@502P,$% @ UH0<65-@7>-D"0]14 M !D !X;"]W;W)K&ULC5C;IR*;=Y<29':=V*J[8V7W8V@>0A$0D(,$\0,F>K] 3 $A+MN/D1>(%Z.OI MTPV>;K7Y;DLA'+NK5&W/!J5SS=OAT.:EJ+@]UHVH\6:E3<4=;LUZ:!LC>.$W M56HX'HWFPXK+>G!^ZI]=F_-3W3HE:W%MF&VKBIO[]T+I[=D@'70/OLAUZ>C! M\/RTX6MQ()S7YMK@;MA+*60E:BMUS8Q8G0TNTK?OI[3>+_BW%%N[<\W(DTSK M[W1S59P-1F204")W)('C;R,^'*5($,SX*\H<]"IIX^YU)_UW[SM\R;@5'[3Z MCRQ<>398#%@A5KQ5[HO>_B&B/S.2EVME_2 ;AK63R8#EK76ZBIMA027K\,_O M8AQV-BQ&/]@PCAO&WNZ@R%MYR1T_/S5ZRPRMAC2Z*[ZW3!.UI24&V?P5F*? M.[^JBV-_A"6].>/. MG/?C%P5^:M4QR&1-2AZ-IR_(F_3N3;R\R4_#8Y?2YDK;U@CVWXO,.@- _.\YMEX/$Z?,2J4C>VH;GXFR *K#";,3@_,UOZ7ST[@5[I[V]TY>D_S0=O[Z;W9:" M?=!5P^O[-[\MQNG).\O$:B5\&3"'B!CN!"LDGAG+5D97S&&/==RU3IM[MA*% M,%PQ&<3V6_2*C=/7K#$2=2S5/2M:O-5^MQ%K%!LV5?*.%H:]"YWA/H>0F+QFO"U35!FS1H/8=.QA\><.KYMWEX-!;D!M12&?] MNEH3[%IXE"G!D%S+(%7<.5FO6VE++P!&%")SQSX@!(0/;=S^26>67>0.RO]] M2Q@417+M75D:]X:J&/@/J_['B9:EL'%NH8*QE=.&'8I-=%S\R/U/%*&^?O$$6>(6YZ@UTK2H>F?T'Q3=532J6Q:TV@K; (G0,0% MJ86/VU(QR'@7>HL=))N,'Q+D=L$!E1'.\B@94<*"!*A!F4,A"Y8VNE,Y]G MAR3%6&Z/H!Z+8O(/!O^\^M?M%9(9PUPDA=^#AYW\@27B Q(?F]ZR'/2,%^ M9+?2E4""%TD:8 5\]%*BH?^PP)?>2$_^%(P'$ I[S*[JA[!3R!._][-9\[I3 M2IL^(@JZDCFDHHV9B#K8>[F'L,\?/Q"\FC930 VE"^7 *T$-QPT1UU(I;MCM5D,0E$1S41^64@9G8TC9MQ;/"NF;$M)*UN3" M./1/MB9 U&24+Y15LXVA/*M0A*@L!V+*!SNI7R^8Z7>(B.&P@'>:1VQ] YE4((82KH@LF!^-U2 ?YUWS5*H M%-)60 8Z_GVGV3W#@(^.X!>0L!7O?V9:0R)G;ZB/K1,-X \,Y"@.8'K M-1 F?-HJH)8,;>LN@;YBM97!J(/!U]OKP6$0OY(&M>(E2DNR1.#!D-;=C3X\ M49._SQ!W 7\)>(2EE=^R]0,('9!ON%2USZ1_CW)Z]5OD5/B+XOI TYY#F"\17$GE#75>A("[VC5=N5M!$!&MA=,T@BM+*5*0M@X5AP#FPGH6@_$(<@B)%412NS'I(MJ%)!.U6,%X'K@!4 ,@ M'#$I*B.Z%OWR#LU&KSL'850F@J&1@]L&IF!8DX1/*'=.B9#^"Q_N.I=*]H1%M^G:8'G9&]HW*L61MJ..T=8^*8M=HY#\3*QV]Z7M4I+(F5[[-(E!.5/2OO.)$^ M-43[EAT0EDK=6NC%V_=<>>##W:Y.NQF)O6*3>3*+MA%I%_KI]2"JFX?CEV. M8J>.10U@6B(-:CMLME@0KT8Z_KD_C@NU -?I=/C!?A:J8[WZ^*GCB90H;I/2'>-8]!^ M#D./_WD*$P]'#_ 'P\&YGIAVZ.CI");$,"*> *&51=>HM*^5;CHIGAN<0B$!MMAFPZ^X]=8!T"$\XW<0^'T/<)>6&#@LOXFT_O$]">RDP,9J8%J)12#NB8>RH MP]0K+$R6HS1FVT4KF]Y%* E,)GU'?+40<53!%<>7U[@#YQVB+P1M< M]]WK(+X[?-+'!MWJ&P)&Z.-(XN=N],#@:U6[I8E5TT./ MZC74 X=($?&W;;-OU(FIH]QQM C>]0R2^/7XAH8EN$]CV1?TV!JS^@U.+1)(M$'>Y:%QP@T ,\S=:;8CE?&H=IH^L[;N(;^\9S:@Y-YA+_&"\Y2902N_8ML3 M&H\1OJ"5K&37J(V@+PE59!

FR;?!J$CA?%_BQW0F' M-(B<8#Q<&_3>P:N+/8M+K8_OA&&$\|B)QG0/\8[O+W)'=C?S+1'|I0K.M9A M3X#}3VTDZH!\|'G&V/G$HS&$SC :0>!X;@ ?E##\|1*;i0>G("9'D<.AMC.HF M3-QWV1'9)AJ.&FUQXA%$'FIAM0V1@ ?[HG&P\;\|EYVIN_RJ1!ZO"U+]>VK?M CZN+^G_->GK]U^N-35J-A[D415UL"CJ@ZC\])8.1I?U[.Y7&R-P.%YC;7-$$ M_)Y*S*SF@19H?^=-_@%02P,$% @-UH0<69T;M>TT!)PD !D !X M,"IW;W)K&ULC5;,CMLV$/V5@1{$;T"[UL62K8UM M8"\-DB!!%KM.^U#T@99&-A&)=$@]WNW7=TC)]MTZ;E_L(35SY@SG0L[W4GW3 M6T0#SW4E],+;&K.{'H!UOL6;Z2NY0T%?2]EJ9FBI-F.]4\@*9U17XR@(TG'- MN/"6<[?WH)9SV9B"WQ0H)NZ9NKE%BNY7WBA=]AXY)NM1OCZ'5'-OBS¥NON M0=%JW*,4O$:AN12@L%QX-^'U;6KUG<*O'/?Z2 8;R5K*;W;QH5AX@26$%>;& M(C#Z^X%W6%46B&A\|S"]WJ4U/)8/Z.]<[!3+FFF\D]5OO##;A3?SH,"2-95Y ME/OWV,636+Q<5MK]PK[5G08>Y{TVLNZ,B4'-1?O/GKMS.#*8_,\.6JLB1P7-BE/1M%73G9F^4'DLD98L6?4<+%BZPKU M:#XV\$75QGD'<)O^&2>&S%&:KX1=18"%/R9*/;_HP.LV&@3!V%17$,U\-MBOH,H 7!W'$+B_^SSCAGNNDKI"+_?K+515!E_G NY19R<1{3=% M1^V@4?U`;_GF59@&;P? X3GJ^DR'TY5/;)"!+.*)^1X?,Q09%SE&?HSP(>I[R M#?56+@FQXLPU"KDT6X0U;K@0Y V8* !%X<1.-L)8E8V26D,CK/%&\#^Q $,. MURBPY(9J.8TT,M!!E5B@8A7PFIP[;VV80> &:ST"KH%I*&5%$T)?PP479"4; M37[IZRVKE,@1F(&/3#3V4 YU .\A3OUD,H.,HN"6O'8M6@"%8=GLI.ZV%5;D MD3A*QRAOE$(*I*1:(&(OR!0DLQG<8TZC3>/_P=DI+M4Q @4=QZ>$F^J4[=0/ M@Q@&ZB/IZR,9K(]/G*TI8^8%:#C!5_*G#(U@5R4/!;G*F00]GR%K.C]MY? M:?VM'FS6:(#:Z4K'X5*&?>A/=AX-9O7T9/Z5V'LLD3+4UA33Vf)=@I#B\I"Y MUZ3H9T'8"DF81=BH*"28G-14-4]96H5""?^)O9OS2.8"4-8HSEN6I.%Z1! MR4G\-,M:(4S"H2RE'?9,2P2P[4@0)0;ZZ'$C+QE!XD1$TS@=*UETO-[;KONRH/=KZ MNFV[YG@LG\OBL%%N;L#M%S29>WKR:1>'TK%77PH4W=(:A,]{8-M--=(V2K^]:UGIUE=;17BR>R')_Y\NG&<>;N*.[>*[(_=$P]M>$XN@BGE/(L M*%EY&ON3:>#$<);YD[25L\B/0]*@]]";6<"$:B2$BR@)_2S*1A#[832E=3KQ MLS 9=35A0=+4#V8M2!PE?IQE'7C]Q[:_[?XRl;.H'9TKD?'195RCVK@GAX,<M#L[V7NYW^U? -37N9_ZW>/HD^U,74S6$.%9D+U-J7M4^.]]%D3MWM:^EH8>" M$[?T,D-E%>A[*4Y+*R#]VW_ M02P,$% @-UH0<67 .!53=^! HPL M -ID !X;"]W;W)K&ULI5;,,&-D!; MO(M4) &VVZ M;,2(W 9%T8<5-1*)D%QV=VG9?]_9)45=(C,H^L*|SIG[X4ZW M7'R5&:*"E[*HY,S*E*HGHY%,,RR9O.8U5G2RY]DBI9B,Y*U0+8R0F4Q\APG M&I4LKZSYU.P]BOF4- ZK(*WP4()NR9.+U%@N^G5FNM=OXG&\RI3=&\VG--KA M]7O[*&@UZE%6>8F5S'D% M3 '[MJ9CG: M("PP51]!T?",=U@4&HC,^*? #M'[56O!P&0/_:'PG7Y9,XATOON0KE#T(^TD8J7G3!94.95.[*'+@X' K'SAH#7 M"7C&[E:1L?(GIMA*Q>6A+Y-.'IB7#729%Q>Z;0LE*#3G.34_!|))0D73VQ9 MH+R&P 1//!*91)^KE:X.I8?D3&]1=[.HEMO$("WIK@& M+[;!<[Q@ ,_O/?0-GC_LX5\W2ZD$%<'?YWQL(8+S$++HQ)K)F*4/_)"3QE O$H9[#(7XXW+O(*5,8;R:J5O 3*R&N?D7;E.V;E#YY] MJE$PE5>;SJ;4/(0?P+5C9TRC9[N1'GT[2O08V+X;P2+C0ETI%.6AE)M $?@ M1CZ).XD/BV;9'N<5N8]PX0;.)7ICC[Y>$M'7]VCGB2M6G.J/XLCH#^+$Z ^C M@,;0=FB]:.]ZO*(=+9 LL84L1/@SR_XGHG=99 MLWQ%<)8R1N=6"S:#22 4(H27$CC)WH!K$+#AFZO M^/]JD;H@.]J62]BI[1847]*,51LT6BMB4WZ2O6-P'IX7FS%*HA-_OA@JQ-45 M>R8(@B0[2<\>2F? W_;O8<[T/)U]DB=0K,D%1"J_=,[%6N4QU2(#$$$PVCL%K M]JJC(M]2,+YVX,>!M@W[M@T',^^FC>%-M8+[?6ALN$=0.?L<&WZGL ML>TEQH>8S/!AH%2BOE2B[S"\+@G(P)..\W>%\VK# U.-H-FYPAE$/U\X'9QV MZ2Pl,+_ 7 ;LY%=Q4C,?]?.H>G]2G3^Z M$\'8#I)03\?$LY'CZVFL*7=LID3OMDO!IM\9/2W7E$) M8SIM GE9-\IP&$DA,?O%],MG1_U]0L_E<73P<"!1;.SS4((AF/8-U>_V+|"; M]N&UU%T^Q7B.25)%/7).I*U^89MN2^G5FFM$K&H6^0.=K MSM5NH17T[_+YOU!+ P04 _" #6A!Q9QZ^]F2 # _"^:P &0 'AL+W=O M(AA25U^MIH*W4;"!"(MB0WX@/C@)K>-A6,'VUG9O^?:.4,GD044AOC1^W'ON.3[U]62MS7=;(CKX64EE MIU'I7'V>)#8OL>+V5- >H;&>I3<4=3&[!-57%S?X%2KZ=1+]HN?!2KTOF%9#:I^0IOT'VJKPW-D@ZE$!4J M*I0"@\MI-.^=7PO\? CX+,'!M=\;@E2RT_NXG,XHE'I"%#%W'H'3YPXO44H/ M1#1^;#"CKJ1/W!UOT5\%[.1EP2U>:.OE%%*Z<1N,(*ESR1KJ/>OT:-WH"P5Q+ M&WYAW<8.6 1Y8YVN-LG$H:!*J_?*:FW/821BG!O+8)H$%WFVAP/**.SZ;&+T& MXZ,)S0^"U)!- Y(3RIMPX0%]MSL4E>5<'3*$@)7!5OJY81:HY%B\L X [A/2&5%EZJ HN<UO^0EQ{BR+=$+=+A3P;2-/@8UC M8'GK\'+,N%9P.O^2?B5L+G4MC$(7-->+ZPS]>[M.X6V2'] $?>CSFW- 4AEIR!<)"P%&.MA>^ M(9S#4Z$H33>63+!#/@&R^[VR&MUPUU"I^+\SSW#24O"WKO3[!?ISV!O0=Q?T> M@P_$PH#4:O7QK&993(RWVG%Y@/!N5D/_82 ._L &<7]V->Z0G#\(.- F"T> L'F;#O>XE.SVU0K,*+X<_G$:YMKUVJ]WC M-&[!\N_P]F5[S\V*RH/$):6FIR.RS[2O13MQN@X=>]$=]?LP+.F!1>,#:'^I MM=M.?('NR9[] E!+ P04 _" #6A!Q95)C, ^BL# Q!P &0 'AL+W=O M.4A

*{U#:0)%,R.EA;1W M;B'M084TE$:A -;E<2A-H&AFS+20|NQ"^M0IS8|I'19|HXY_LQ;:# .E<2A- MH&AF+O9N#V'7TO89+?]CYXR&O34$|MX0V)M#8.\.@;T|Q/<0T9X6T=ZY1,0' M%=%0&H72&)3&H32!HIDQTR+.P]PIPH|I'19|H_SC)VG0=C HC4-I D4S@Z%] MM&?WT3Q.HW0>1PGY)*M+KLU|OJP78#N#]714!J%TAB4QJ$T@:*98=+.VCOW MAFD/*K:A-JE,2B-0VD"13-CIL6VA|\P;4?V#L[AAFG?]V9^^{QM%8&I7$H M3;!H9B2TA/;LOQ>SS.M[KJ9S21)Y+Y-JC3-7XTID)SOC)71#;WZJK^^RMZ, M-E0[0VD<2A,HFGG'/,V=?;MV? LF*1VT[R?H<[T^)K=FG=FQU|\W.U :A=(&BF2G3)MB_MXGVH28:2|-0&H/2,)0F4#0S9M$^W;!"|N1O9*<G=YK< MP^U"%=!M?5F90BME4!|'T@2*9L9+BVG? +J;W)Z_CY..7ZZ -H-! M:1Q*$RB:F8]|FP|;I2)P)?2OAZPS4%"U#*51*(U!:1Q*$RB:F3*MEOW@W"LA MJ)2&TBB4QJ T#J4)%,V,F1;5_E^T<=I>3^\T=6R<[EH)014TE,:A-(&BF3'1 M"MJW|YP^<24$U&; WR?+% M#&@[&)3&H32!HIFQT%(YL$OE%RZ&] 97GN5R'A5E9YJ@HAE*HU' ;@}(XE"90 M-#-AVD<'WIF700'494-I%$IC4|J'T@2*9L9, "^[+KB?1J1U5JKD5 -;NGOT M3?/@T7(9E60=I>1&$<C7QLU&(Z'1I*8U :#PZ?51CX M.[WI+'\V@)V3+Z':H?Y*&#MB$.I(fY*LJ+ZLE\] M+!)\U'JMX;*JU29F1A:9EQU0M2E;;Y? \2Q=QM:CIBHZ|HK[1@= (HE,;@--[0 MPKWA8|8>.U UFB'1ACBTZ|CF:2AJ_+B5<=G|A:L|HG?W.P=3K^L&?OM6LZS!]/6_>WY|"W(% TL'^TO@WM^O;H6&RO;S'8*^G=JU!/"Z4Q M* (U#:0)%,Z.D/6UX;D\;OCTME$:A -;E<2A-H&AFS+2G#>V>UKS{0!|?+P=G2ZN>DKJ;*.9#3_W7GG>@AA5*XU":0-',3&@/&[!0P_;:@6ZO MI'=*H((62F-0&H?2!(fF1DD+VO# <@C:$"EHHC4)I#$KC4)I T.8$;6BB-06D<.M2A,HFADF+7+##J$2&$JC4!J#TCB4)E T(V83+88G=C\DGG,CNP;G(;V M_#P&K99!:1Q*$RC:-A.C8BEE2:,RNKQ8R?Q.7LDD* <@\VZ0*7G3@T_TG?)?7 'HX/7J?...|7K(XVYO%BKE*B9R|Y."Y+(6X4<#R?]"*#.TM;O9;96 M3?$I@-UE99JOZQZ6,%C*O#E!_?VMEY=,O504/6?ZM;O;E_P!02.$% @ MUH0<66O&8!?I @ >@H !D !X,"]W;W)K&UL MM59=;|HP%/TK5E9-K52;3fXZB-2"NC%U6E7:IF';@X$+6'5B9CO0[=?O.DDS M:WM-/I";.>>XW,/<\WMK(2\5W. 31X2GJJN,]=Z<>JZ:CR'A*H3L8 4WTR% M3*C&J9RY:B&!3G)0PMW \QIN0EGJQ)U\[4K&'9%ISE*XDD1E24+EKW/@8M5U M?.=QX9K-YMHLN%G06==I.60"4YIQ?2U6GZ!,J& |XQH*K_)>LREC/(>-;3"4M+A5:\2IP!20@*CD1!(0Z]3-J}-%+$'76&[&5:]%,AC/+X$]>:,%B;*XGU^B MXZ,3=(1(CNY25@J15O*^D>L_CE7H>MV?TU_MC="YR9X(?H/@=R).PF\)D RY:QT[OS5ET;K(GPK!!&!ZT9(8?EDSG?GO2C!J. MT?\HF='I8F@YIK95?N"_*1E[ZSNMf!TC7F"])+A"%1.F;R%_X&4$L#!!0 (-.;$"%F)=L(U M[@8 !$\ 9 >&PO=V]R:W-H965THD MJC3TDECV\7@\WHD?3]3%-LU^\ 5C CTMXX1?#A9"K,Z'0SY=L"7E[],52 ^0O MCVFVI$)>9O,A7V6,SHI&RWB(1Z-PN*11,IA<%-|]RZ87Z5K$4<*^9(BOETN; M_? N1Q>GVN,R3D2'V";]*$)M.(QN@#YTQ^19,9^A31ARB.1,3XL_RL^.&.3=-L MEE\(5-&93U3^%XH+HF2./E(>< 71RS02-B0Y6I0+M_A]=O'F+!WD105\7Z9I+_M?? QB*.38<@N'T_TX/N[&@1O&|<"+?G?)E_L.@ ,G>>9?\Y7=,HN!S*U.A(R"#>.BB$'3P'?: MPD);?H?:3#R,QW+&-M41F:0\[[24TDP-2E,#T-3]E%93Y9V:/9/%H%+,J7*D M3!L_* <=/^@QIXM)/CI1!?@I+/X5@G'Q-A;QG/I9W3UKXRC3DG1Y2#=/QV!\= M!+-)*APU!/-I.:>2IE9&QFD63I:N/1;92#"QN2#>[",*E?:=\!U5O\!A/0 U') MVE>.M.F^4K#DP:1DD8)!?>4(_? PO@U2P;@IQ!73>" *6"*I3P8IBS2\;S. MFX8MEE&L<8_E*<;Q0#2P3LAQ^\H(B>B;>P48& ;,.OEXN+DU[N3!CJRW\HZT MZ6Y16(.]7JL>(%19^\J1-MU7E0(1#%>VE8^]NK:\- (HUYB56|(/A0LW+(K|3 M!@WNV7I:C\$)6'$/#GI-.;?E)%?:=%\1^.(P?%FG0)VL#F_VH(ANIH(O[^^ M&D. 86>$=VHD$= ,,Q0#/>*8M@IBKG2IOM*H1B&4|.>SF/4FGR%@OZHS]#WG?*A*VVZKQ0?^G#9R_I3[VH97S< M8Q)K9!Y?(9H/(]IM(IAT@T!W5#!TOZ4K&=XO? P$=V4|CT=Y9E=Y.-=K(5X]P YJPNN1C4ZU]&)=(DU;A$!HIW@I;B5]>,W.N!,M(@ MTG0PJ7(R"68,1TND>;<&]VT=:L#S$%3D\QN=*F^TJ!5P"#5Z>T MK)].J@4\)**;ID@G@(\O=4_(^K&DFGV0B&Z? HHN@Y>Q2FK%HGJ#^2G]8+FLQ9 M7B<1&9V*EV\@X1ZM0^L8!9D"A3A!K?>9 J<)%E?:]%,7"K<((C%M=TI"TV.R MB'CAV!SH1&$.@2LZG1.1U<M9,3!IF&3"2*+4C+&;,796*G321L@O79U6/4 M=HAB'=)K;8VXT|:J2G$7>7UMA]2K-K6XAT1TTRJ'M1U5=4A[50<4T>U3 M<$%;'JHYRLN&O235- MU7BKS(Z^LZI+VN8Q!I M7BT5|A!'E1U2+]O45\O.I9U0L4;85|IT7RD4"U]?Y@GK!9S:^S"0B&Z:@I[048$GK+|.5K,/$MG9-ZR\KYF_M+/N99O,HX2AFC[+-Z/VI%RV>_]T=R'25? $*YT,1+M%#1$Y"_/Z;I M>+[(WPHMWP>_]02P,$% @ UO+6&ULC55=;]HP%/TK5UDUM1)MP$!H.XA4RJ[U_M4J4*UNYAVH)++L2J8S/; (=V_G^V$C+$4[27QQ[WGG'MBWXQ+J5YUAFC@+>=" M3X+,F.UU&.HDPYSJ"[E!87=64N74V*E:AWJCD*8^*>"P+PYG-)P6ZR'J?DV1RW(2]{+=PIRM,^,6PGB\H6M//"D[^QN4E.4H M-),'%*XFP4WO>CIR\3[@A6&I]\;@*EE*^>HF]^DDZ#!R#$Q#H':UQ9OD7,'-M9&?\K#&&#AM(E[H]WZ'>^=EO+DF]\E?P;2TTV"2X#2%%"V[FLOR"=3U#AY=(MKOT3RC[V&T!2:"(S.MDJR)RFHWO2M!F$O@9!W$DB=0+SNBLBKG%%#X[&2)2@7 M;='*"\0'T]0]U%W&@XASDF4B2,,^KM-MDRNXS:A8HP8F0+9 PM,"L4,LTNG,S24<7T&)V[[:R8+346JQZ&Q(AU5F-2"-MH4@\HZ@"!ZE,)F&SR+%],.\T[:,75$AV%4]04<'"@E\ N>P Z9(!/"]F<'IR M=@2WWSC7]fC]=W /+.C S=8Z0)<KW1.- RV:!@V&H9'-3C;6D]-E3;<8SLGA+2310U9=)3L M7ABT-AK;&Q)5')ZVBC?ZA[=_==5..VIH1__M<\&/FSQ],9E<#0X$A'L-($>U M]FU.0R(+8:I>T*PVG?2F:B!_P]LV_$C5F@D-"%&PO=VIR:W-H965TF#9^U^S#L_VW3-E%)]$>Z3VH]^>)&RHG<9QU&!?GU MN.?HGLO;?+TC"]A,+6@\'7 M;NAZ(_<9>SK>XC6Y)?++]]K.IMD6=*49(*R#"'RFECOX7F.' W((IY2LA>U M8Z"ES!G[ID\^+">6HS,B"5E(38'5QQV9D2313"J/?PM2JWRF!M:/"|@O<_%* MS!P+,F/)7W0I-Q,KM,"2K/ ND3=L_SLI'F:,|$2D?\%^R+6L#H!P!4 -"Q +< N. <"1@5@E%?F(*6O0XPEGHXYVP.NHQ6; M/LB+F:.5?)KI=;^57-VE"B>GEYAR\|4G.P(^$BQVG*A%E0*| S/, ^7>;K8N[M.%N"6C!;@9C,)7@=$XEI(MXHQ)?;&+Q^]0:\ C0#? V[83BB0&-M2Y:F?9B^* MG"X...$?Y/3'+CD#*'P+D(-&/?#9{W"<&>&Q&?YY(<\ 1#D<->&V*FY98516 M&.5\[J,5?@O>"T%4<74MKRB>TX1*2L1#Y9=- -<(-6>PXUW7749|8QLL+%UA0 M`?Z^4@\'R1)Q3]M3UD.^K/1H^1<[%*S*QU)P0A-\:I;_KK+!W?NNK)(]# D%4!DC55PRU5P3>S3*Y;MWTG"4544YK*O;@>\G^/UM+R;0ABAT/? &JEV])#UQ M;@ =-VK&Q<9\3E0I*M6.C&KSUJ1"I'"V(&%#!A.QMPP.)5Y,"?2=EN!NE.L[MH=^2:TSH1+E>*=<)R:=2GU8CPU/;8DBR>""R1N7\LG+^BQI M_I"K,"19/!!98Q6"U+6(@#_@6/FEO$I3^V8(*AV)I+4?I*.M 9\YO@I"QOR",/#;?=T;YWB^VVILR7_6!!:*:'.?,@4I16_>Q MD?$QD4U5E4&&@SCD@J6^1D'@M!UR3U08M;- B'Q)KEO0P/W)#, 4MZ#&^UBQQ9;ARW+3<% [/2A;/1;N2;?/7UG,F)4OSPPW!2\)U M@+J_8FKW*PB!F #RIY+I_U1 M@4 "#6A!Q9B;'M/%@8# "-# &0 M`4L+W=O#D M,/!,@F&:F(M,)FE[#$?WG(.P%:RI+5)*A_?>59.,2XCCTR@N6Y/\^^77V[K.3Q M5L@O*D?4]*U@7$\V\7.OUR/=5FF-!U+E8(S=OED(61)NI7/EJ+9%D#E0P/PR" MR"\ (Y5X\=FMW,AZ+4C/*\4Z"*HN"R,_7R.1VXO6\W<(]7>7:+OCQ>$U6^(#Z MT_1.FIG?L&2T0*ZHX"!Q.?&N>J-Y9.V=P6>*6[4W!KN3A1!?I.0FFWB!#0@9 MIMHR$//8X!09LT0FC*\UI]>XM,#|\8YI|O9N|K(@"J>" 4,SG4^\2P\R7)*2 MZ7NQ_8#U?H;6+Q5,N5_8UK:!!VFIM"AJL(F@H+QZDF^U#GL PI,,"&M4 > @8 M/ /HUX#^\1X&-6!P(=A#1@>"XAJ@$NF7XGEE$Z{OO%8BBU(;VW8[,"ERZ&-MP)3;PGK0TKRE!J?C:.$2/A-6(MPB4:5$4S5:P1G<\ TJ;6=P4ZR-6?6"\ RF M$C.JX6^A%-RC0FDLX6V"FE"FWAGLIX<$WKY^:Z^:I]GO>9^_"?\,>^/M.PW1==W?/V72R^A*F7"5I^"_M?Z\62DO3*Z5JV*1JV)FJO89/#QI^^C2+ZCUPU&WZ#Y_$=BC^4XNS,+QX;)141L-] MHUXO^._U3:JZ,#'?O'?=_/#9&%1+J[MVJ-E*"6) +6VQ%ZASD9G#<:=XFXZ= MO+ ,ZDY)ED1/1#>9..:SW4WJTCRV6UCX=B9J33PIVX[/ MN;:OXY[+1YD#*%/144";G5JY4>6';LVAP/*48 M04 A588!Z]\.%D"I(=(R_G2<5K^D 0[,+^S7C7?M98TE+#A|OG*Yl;40AEL M<$75':^_0N-&!M8*"L/:/G[IH\# !N\ ; ZP#> MOP+\#N W1EMEC;TE5CB):.^1,- &:S32:W#1H[88PLXLK)?0LT3B5W+ =:,4% M 8D^HU6[EXAOT'#B= D*$RK/=,C|:HE.3\[0"2(_HZ\Z2?D.5XP E^\ \?L+;BM4]#GP>OSX#5_CMY>$9+(E/*.M924 _;I<2R7T2? L]Y[+.@$)S>V]D"5.86[HZR5!|.!*/GYP(^?+F-O_1/;*.MN]|IX^O)W>XUD=*@2"82J#S6W3'\&4I3RHN1,YV9TCUOBI"$V!6.7!-/) M;!+,NZ&YD:@H\,(^3!4W <=%7]H,N#.8.EX%N=DU%Y+4,X6'CJ^[-H3]YA M5#0+G&!<7MC+'X_*NR:,Z&N9H2WGX_9*E[^FF>L'"H0)T/,;SM5+Q]3_LE+_@)02P,$% @UH0<.M6>Z#<\:: P E@X !D !X,"]W;W)K&ULM5== MC|HX%/TK5K9;M=)V$AL(_N1@<F/66G4T=!N'ZIL.02O'5LUG9@1MH?OW82 M$EI"NIV!E\1?]|QS[>N3W-%.J1Z#6#00\|%'GMK8S;7OJ^7:TBI0I(;$'9F M)55*C>VJO-<;!33.C5+NDR (_90RX46C?.O>12.9&C#4U@#N;#YE[9GE^AQ"P%H9D42,%JI$WPI93D!OF*/QGL MI$$;N5 64GVYG=MXI 6.$7!8&@=!]6L+,^# <(5D>_Y2@7N73&1ZV!^B_Y'; M8!94PTSRCRPVZ[$W\%_,4Z+277^1/MRK6!AY;9-C(MC2V# ME(GB31_+C3@P(.2$ 2D-2,Z[<)2SO*&&1B,E=TBYU1;-- ?)0F$C0))69 ML+-RA2K[US=@*,/Z#7KEUKY?RTO;3#WRC:7IG/G+DM*TH$1.4 K1G11FK=$O M(H;X2WO?AE?%2/8Q3DDKX!\9OT)D\|,B >FB#_,,|/K5FQ;<3K5WG1RW\ZV] M^_0@[=-FR8ZJ^*^FB N@;C.0NWG7>D.7,/;LU=*@MN!%/_Z P^#G%IK=BF.W M#3V:0L*$<.>VH)R*)301+"#"",+=Y&W4ZV)"^B-_V^^Z5[GNM;J>96G&J;MW MR"@JM&N]QC_;3/.WFW31*6 [!U0>8M)IYE(6!$)6XG85/K&=H1'7NT&X*#; M/+=^^>YW^GVW 65CMJGD+B -?H7S5DB*:>W#1+%S%,3G5;89R,,H"(1.%=> M#RY *@UHV@_- G=HEYR"8X0>1 O_$+,.[L$^-|[M0&K7Y/N3>V)36R;HCCU"O.]T[VWYR)3]%.OF[T&KGV>F$;YE')]-Q_$EA!S7 M2HI/(.4EQN%Y#SHXP">.N]9R? $QO\=[?BKE:RW'+Q5S? *SF;5M0JSE^AIS? MRO=H_]0-I#K/|)D4POUS;D](>[N/Y^90++>[X;.J.+R'ON-9W? .!Q\<*CX?! MD)PX.U(K/+F PI-CA3_|\T)JD2N_8-2(065Y 611DOW M0U]4#=5H571- BE*C7EY4,'=4V?/1B,/*F@97?1NU*HJ@HF/D)B\\%M+8,B9O MKFWA",HML/,K*#'O!6&>;]$2)&VWP#Y\24F1K415[.W->Q.+# 8Z\ M/W41,[P3\I-: VCR)4NYFCAKK?.KUU6+-61478@>IX8*NUMAWN M=)S3%_]$L5 MB .#PVDW""J#X+E!|SL&8640'NNA5QGTCO70KPR*K:OEWHO 1533Z5B*%9%V MMJ9AR+ZA;6)%^/VH.RU- *;V.GI+T(D.Y;FA/*$W')-^8H|ID"NE0*MR$_D M=RHEM6*2-Q%HRE+UUO1^G$?DS=E;P5,\;ID.X& ^;|(($E^RWIF M1YB'7F$>MFWG_WF/_[/W1C#"^G"$!2]\[7#_=Z,D%L-F? JG3>02TVO'V%QW MI7*Z(@CDID"N05G^N;/_L#[N2W'F\+ (Q0BCP1I;&HM>EWTO18LRRF3)E?K M-B5*R** V"\2VZDW=K>'X7TY(QB. ^OU^9|%M$#P 5E_ M5>:HG9MW.]FDT)I6.B&GGCA,6(0)BY%@#24&M1(#G+=_@*D%)BS"A,5(L(86 MPUJ+(<;;WPDY58D2UC]XOWUO-/*>I8$(TV>,|&O$^-+*,|>71F>?!?%.#;,F] MG9!38XP)BS!A,1*LH<2H5F*$DWE&F%[@PB),6(P$;VCA>_L;@H>1>[HIIXI1 MT9K9QQN^R#ZH7F,L6C/2!W:PLG%6Y%]BT]),<&YNUT'8 M ;EEB_9OHFIZR0I@TB)46HQ%;.^H4['*:M>QV=HU OJA7M\ 8T.-]'+U(4ZAT4BU8&VCVH'&4@5T7)3I&%V'!=U@G]WKHL M>%4TPYIUW_A7.I^E/)EQ*)2M<>7- <@[*E>,*Y+"TKCR+H8FU\NRK%,;: +23C#C2R'T4\,ZJ(NKTV]02P,$% @ UH0<64IHP<'A0 M!@_,"P !D !X,"]W;W)K&ULM9KOCYLV&,?_ M%2NKIE9:&_R#$+IDCC-KT8;(;:OQ^- \N6$)S5_Q+4OE+VN> M)53(P^QAG&\S1E=E4!*/D>=-Q@F-TM%\5G[W,9O/^$[$4#HQQ>?HH>-*+X8SV=;^L#NF/BR_9C)H_%1914E+,TCGH*K;I&U_#U M@H1%0- GBSXCM\IG4*1RS_G7XN!V=37R"D+3WS_.ZL2\@N]8 S M\B_85VV]$5CN=;Y. EN),=9[63W_U>!NED6 OW\O"TOH_OV&'1G^:0H9]N;LU$Y^]_M]_I E(+/& /[+Y0GRV5A(S\69Q\O*WYN#/]3A[X]=_ J@Z2\ >8@8PA#.#&+%W?LZWQ+E^QJ)&_) MG&6/;#3_^2Y(3*L#/M8!V]3G[S*>YV!!L^Q;E#Z ZX3O4F'*^" S M*66*(>5QCN $>>%L_%C/Q=S,#XI--)?DZ))875XOE[MD%U,A+Y.TF(GH.RT& M#Y/1@Y)?<_#2GT!OVCJ;@81@F.C_M&H?[.1VV1+HTR.E,9Z^NWS0PSQU&_X M/-U..SHY&IU8C7[F@L. /6WE*"R]TEI1RV_3G)E<3UINT#2 DX;G=BN,)WY'M:8.CX\#J>.,$S!@1;;E(>\X>(&<<@JT3?^]*1F);M])CM=,CQ:>]R#H[$M#J$ MQSJ$;L:GL-7GH$^",&AT36.SL.MN@IZ:? 3UG(U0EI=W3,/11\|8WMO,A]CK, MUE 1.A]E*B'-0@B#$#6MGFRG6U73-+3.?I>.4Y6]-@)A,O6:MI%A//,FN,.U MFE2A? 59MC57@/_!!WM')+C&ZM:KUO5U=|>FYJZD:DB%'+F@E@=ZU<*2FUT+1 M +3CP& ^YB)+R-MOE;+V\+01RMS?W5K@/!-T8S8X+6P$L35!0!|1AA[.CT],.C M6I5Z7UQ':GKNBD=@,&A'=\HJKM3T6BA:@58(Z-'1[3K3LJ,T&YAC!PT0\4A MT XBB_(1GF4@8W$Y_>2,:&M^#K8*],ZPCM3TIV3%-<@;]#G92DV!Y0=J>FU M4-B$[-AT- HM6.G7Z\$$319%,6CR$0HZF G5EC;LS-2'15&;@.3S!0F.CW3F M=CCL>*A#"]60'97.9]%*2,=A$@2MLIYLUM59(/LJQ 7LFBE6N:>#HA3=?M M!0D"/=++A61$(LI.#>=BRXZA=LO=-.P2A(64H:#+\H .;46%RIZ;50Q(+L2RAG MS|(G=+IQU!YX:8(*0Y =']I[>S>3VB5[7^$A* 4I2D'AH+W=*;]X4M,7MA6Z M8/N2S-F]_80.]+]AU!YZ:8J*2+"=2#YG=,5 2A-S7M;@OE?3E9J>]H(:/.B& M#7:Z8^-*3:I%;<_&U;9->SLF]+SF*AAN Y/62G>I< F[V[3!ANT8[/G-31M3 M,Q1T6E64A%UMVV##?@R9MG9 3C;3C2J:P8-LVU2]!7X (6J9-KOBTPX$Q8HZ ML)T6U"!EQTZ[3,]_= @2P8I$*#[-]@IE+A2TVNAH 3;ETI.GXCM.L@R#P^! M&D2A!K$C@M%NUG3+M/WLXLI2TV-6\$'D@V<.*435VIZ+12=$/N2R]F=_(2. MC37MH9>FJ*'#G-C3HMM(3C[1=YGD#*7MD,=\6DR18\%P8UT'M>XTO\!"[6J3V M LJ@NUK$Z:Z6*S6]%HJ6B*-=K1,ZV- +7AU@T(@JSB!VSS@9LTD8F%#;W\>TG MNS09Q5_$SE^7!X*#-S:.?,?+?KY+|U%H1>R+/.?#>B54SZ,YI&,_UZ6Y*#0B M=]2YD."\&3\N.&24S*B@;R]S7GXL=!\0+L\87G^^]02P,$% @ UH0< M6=.1%=== ! K\@ !D !X,"]W;W)K&ULM9EM M:]LV$,>_]5P0PNTD:@GRYEM(+'4\0,F0+\$VO1CV@K%HBZA$>B1M9_WTH1XB M6Q*CQ1OS)I;HNQ]Y/.IOW65V8/R;R#*6X*(J9A;F93;2]L6]PP72%RP+:;]MFS7C!9+]EF]LL>48I953D=NNXX1V@0BU%K- J)8O9FPG@#.6>L6_ES4TZMYQR13C'*UDBD/K8XR7.\]Y*DUO%W [7:.4O'.MT^M''OLJ>!7.(1)XR?(_2"]SN159(.5KM,OE9W;X%3.9KI3(VP-WA-*)'!W4;5V: RN"L8E^8ZJ__Z MQA*17+Q1B*]W.7C!Z@UX!0@%7S*V$VHR;.E6G^Y*QO5K/6ZJOIQ%H]\(E1 MF0F0T!2G\6XS(YNWK4["\<\;?5OK6;YS$YNJ[2W BNVHK-MG[6C;6K^]&LJ!]+OBAS2=WB.^[N-_ M0GO#]Y7JNIG(N)RB*O6^/UC63;JO=[SZ0]=:K+#*OW&5X:]_ 7C.G'FW*" M]A\4BQ]02P,$% @ UH0<6:/ 8.3!!0 SR8 !D !X,"]W;W)K&ULM9I=;!LV%(;_"N$50PJLL?@A6 E M33(^'6R$V-X,AWRQH6G$K]F69O+(BN5I).1FOA[R;4ZC91F4)D/D><$PC>)\L M,)N4^Q[RV83M1!)G]"$'?)>F4?[O!Y]P_70 !Z\[/L?KC2AV#&>3;;2FCU1\| MW3]DS(E?!)1G_!'3;/.!]!T4J3XQ'S;NEI.! M55BBP"5V(0B*2*]T1\|A;ZIX. =>)07SG(G]| 5N-N)72Z/ MI2P7\?>H_# .\\B*O*$]!U2T5499PS+FZ^,MN'KS%KP!<0:^;- B.2W4^&0U MN!AVN*C.?3B80V?_;9+K@$*?P+(0\00/G>$1]FY*$LT[%6Z%@K5.KA.WIW M<18+^NZ3O.Y.M?KKDSP?W N:\K]-N1{$B5F\^+G>\&VTH.:_|_#URFC_3P>S' M'V'#@_6S*O".QDSK@8QVP317TFR^F#JYP6LT2,$SQN&K=*MS0>'(T'+N.AR7B@&X?$:QBW2K"YB.[H68?$0@;]JT#M+0 /MH?V^TS$26 2M8L MA)Q\HS]!Z(% IK$&>E[A"#9_"6-M@L[X%?Z)XZA![63W/F62EH(M-QA*V MCJD9@%:-2ZG0E=HQ6>_O8)R$}]UITT9<.%4K0"N"+X5DI78R]D8>.Y4 M^YAMN@D MO1&84$<]HOTF,>WB; \5]*&=^'9P0AW\6O'(MP#Y4VW(<.|+^- MNE((7915S0.VKS=H/W/EB/ M%>NQG25V7F*=^+[6X=I':)N!(CYV$+|=+K&A%8!(FXT";:$6DO ,+K%"/+8C M2AYM8^DZ_BX- W)GFK!M2C,!YHP+XRVG7>]2:G2E=IJ]:A9PV"=!<:?=1%=J MI[50W02VKSI<2E#]\0(9-Z_9/GH"HGH"XNP)S(\V=?AKZ[5VZ;;6%?R)$_Y& M@\(=_N- FU>W2;:TKIA,G^XW\)#K[FPMJ=N6VSA7YB9A1GH2G?R:\UX>X=>> MX=NI.VFO^>^*_42QGSC8WXZ]=C^1H^>'MJ<.&8-OR!:0G)@1+RZ*F]1\^($>7S%F'C=*.YI.K[# M-OL/4$I#!!0 (-:$"%EKNS , * - 9 >&PO=V]R:W-H965T M!5*U(/!<%+ MKJV%8P?;.8%?CYUD26"\)M4W1Z0QI%>>.]\]L>'(;^K'8!&/S/&U<+;.9V? M^+Y*=I 1=2QRX,;-1LB,:#.46U_E$DA;&F7,#X,@!C-"N;>N*2;G?:3OC+>4ZVL ;]*5]),_(;E)1FP!45'$G8 M++Q3?'(6!M:@?/&9PD%UGI$-Y4](W;P-EUX@64$#!)M(8CYV\,Y,&:1#@(\? M-:C7^+2&W>=E\":8*Z+@7+ O--6[A3?U4 H;4C!]*90#9=Z;>"AI%!:9+6Q89!17OV3GW4B.@9A.& 0U@9AR;MR5+*)OHLYU(=*)3!4W-2&XK6D9_4 M=,XJ.N$ G1A]$%SO%'K)4TC_MO=-:$U\X75\9Z$3\%W!CE$X?8[*(!RC3^L+ MJ/3Q.P?NJ,G;J,0=#^"^>DYQJPNAO2-$%[$UUYZ96M4F1TKUQ.^%LJYVHG"2P M\$QS*9! I\)9/"N$X>,$@.V!(CDOTT0#95Y13#4?O3?WW;?+?2V$*P!3Y@&.%H=K,/; 45EU!6D/9+' 3!W-_W$(@;M K&3P&F:4EOQO=M:F48=A^- XVN|OTOB;./VMF$EE:AO)H(FT.=WA^&00GB+10IL8O&D0I8Q MD(0S/*#=|'':7BSV@K"ME!)])*TW0+I\$O*M*FAJ'!9O#G'HZ4_\@C M_L31V6.6_UK<*5:OZU?F'+=R6U9WKT|/2TN;]4Z+=YD=VI3_>0ZR]=I67V;.MWYP6=[E*KI:=U]M39S*9G]|3Y>;D_&Q[V^?_"R|+U?+C?]<6\7[>IWFOW]0 MJ^SQW8E]\GS#E^7-,5G?<'I^=I?>]_M5_G3W:.;^^.WU1KI9KM2F6V<;*U?6[MD_?VV\1?U!VV+7Y>JL=BYVNKOBO?LNS7^IOXZMW9)!!Z16JG+LB;2ZI\!5&M M5K54C>._#7KRK\HO MV6.DFCODU]YEMBJV?UN/3=O)B75Y7Y39NNEG MZ>_]> V'=RA';RF@!?M,#O0P6\Z^$:/,&TZ3+1=_ ,=9DV'6;?#]$"'>=-A M/G1(BZ;#8F@'>_-+\/S? 95M#3?_FV7H^T3,_/ANS1RNOX$E-_L2VZ;?^J3);_M>GY0=%NKDJSD!+:DRU?K9%\!=Y<'S7 M^C';E+>%)397ZJG?VCN\SW6/S+WMQT#<%HJF"^J//AB'YPC.+N-R-YJG_10N4/ MZN3\[W^SIY-_]M4HB04D)DA,DEA(8A&)Q2260)@V)[R7:>&9]/-/IV515K]H MEIN:,E6T2C>7JF\J&)&Q4X'$ A(3\"9)+'S"IENL7J$_5+!GI<5DYI^=/NQ6 M>4\[;S*SG4ZIF!Q<_F%:_?

*LO!>P,"WC[I+XLBONZ=*W+K"C[<UDP?C,C8 B:Q M@,0$B4D2"Y\P?ZGF3N=S*>=\B6'ED"85K{3E_*=&LNW74%P M515R7^4;^X^M7!(+2$R0F"2Q<+K_E&HOG/FT^]3;T\Z=V1-WT:E=W:F>@E;U;0J2BM/R!X%A5$>6]4D M%I"8(#%)8N$39ML[Y3IY,YG:W:KN;^?O/2.3@TL@3*OJ^4M5SXU5_35?WMRH MO%X0BX?Z9>+7QZRO@HW*V HFL8#$!*

*(E)$@M)+'"*OF,02"-/FPN)E+BS0,R8+ M?I#4-T?-'0\<7H81-*T^MT)XBRC75Z ML:W,@TMP<^_1Y4EJ :H)5).H%C;,?FG.NPOQH0UC='P]I>DU!+0U!PYO9C($TK3 MZ[R-)FUCRM/SJO.V5_V%CL2]!:@FD UB6HAJ$:K%{}90FCYMVC#6F;.G MS]!@%M4"5!.H)E$M1+4(U6)42RA-GQYM,.L8DZW!IU?0/!,5 E03J"91+6RT MW97ZM#YMTEW\[#=S_/H:D.[2!XU0*4W?G*Z-4%USA#KP[(19&5O(J!:@FD U MB6IAHVFG3>SYWMF5OF9S9Z^.T;$EE*;7<9NBNN84]?C9%3,PNH31?!35!*I) M5 L;37LNGMC=[8]BGF,.9\^=[K9&Z.22M-KN(TTW6.7G8XZN6+61A^>NO"Z!3VH68R.+.;$TO9YW=KXU9Y!?U$.V>]B7R*LLW?2O M*]CM;MG];MD-;]D=,;]DM;]D];]E-;]E=;_\?6:,,9IFNAYY5<=%0$]4"5!.H MJE$M1+4(U6)42RA-GQYM1.H.V%;7O..&61@](]",%4"I5GGMM=`M(QL&*/C2RA-K^_V)77-*4$]DE4%B5BFL0.A%EQGC>%=H\'.$RI/H53$WL.;(5WQ=2I[MXTMBX0/E^XU?\(/3P7@X;LT!3SUNU!H"R(-3)*9)S$"8%;K98^AF/8> ^ZPK M=$ZE;^A(+'0QO6*2Q!2):1(S$&;%=_X8W_E11H Y&6<2"TE,D)@D,45BFL0, MA%EQ]@?UV[L#9AP,WT3C&HAJHFMUIX6AN-9:UHX]{'JJ0>.6O.'1G\00VEV-MLAK%@=>],UL?X+EO>5;_HEUF4KKW_\S[%B]ORO.E]N(OSM"J9/)FD4;JH'O.QMBM\/GS!(CUWMP3OWOGK'C)1"5!.H)E%-H9I&-4-I=MJ#.NW\40:#+4I=K#K]LMWMA'GF!HW2==%?KNI>U=1?!VDG5%&&R]4"[?; MWJ_@6?NM@D.?*-'C4ZBF4OJIO4DM7MRKO,\M*I3O"+]-QUF?/_M:*,M&J[%"903:*:0C6I9H7:(P&U<49>]=GF(Z'#H?3L?U0.Y1U#^:[B[#G MXS.0**]&*]%"903:*:0C6-.H;2[%C739L_.\X0@79OJ!:BFD UB6H*U32J M&4]S@UUW<+ZS$_F>(0+MX5 M1#6!:A+5%*KIK39N3 .3P:![B-A_Z'COH?9] M@;I("]Q%VH'7U;]5O@E$M7"K-6>LP.\[" M;;-4I]@MU>D,'!JBH5]U<;'A ^MR%'-H9I&-4-I=(KBBQP-A7GOZ=7>71? MK8'(+U12[:505E&;'M2Z^ M G?Q]7X[64:K[#8MO.(C-3H#3U4@6H2U12J:505E&8'MNRX,1^ZR$1JI9_N#R.QT%+0'$;0!1#6!:A+5%*HI5#.49N>W;@[*+UZ<^+*1 M>MXU4D_W7ARB=2&]"523]*903:..H33[@\SKNG!\C+6)HOK,LZX@N_?6=_)MM1#5!*I)5%.HIE'-4)]=]H[=']!G;>(879N(;B&]"523]*903:..H30[V'79 M./XKUB:...]8F3D\GK<\!O7 ?2^_\HO4AJDE44ZBF4=M;O/G[2"C=2&/"523]*903:..H30!R'5=.';?A2^;]'\ME+X.$LQ3^C21+04V@FD0UA6H:U0REV<&NR\;Q7{$T M<=RQ-%RNG=G.?>Q],XO6AZBFD0UA6H:U0REV?FMR\/Q 2L3> ^7W5?GP[QB< M^NVEMNZCZIUDM#U$-8E]"M4T]AE*LY--D<)07B!.T2D2U-4]DE44ZBF4\DH]TA]DE44ZBF4^[A@GH^/;U&B;B&HA]@E4DZBF4$VCF]$T.]AU MFS@Y8*WB]\_4'2L4QZ>S]@I%][TSB]:&]*.1#6%:AK5#*79^.;U+P\D!I2$Y M4W?4A\'^]7CNH^J=9+0^1#6):@K5-*H92K.37->'$W=]^,(WJ>_C9?<=(=V] MZSUZH/TB]@4ZDZBF4$VCF]$T. ;!OSB9'6>F1F!UBFHA]@E4DZBF4$VCF]$T M.]AUW3@Y8+'B]\_4'4L4QZ?M%8KN0^Q=8<.5*H92K/B.ZW!P^D! M-S0%1^HQZU-AZ>#]HM#]U'U33*[523]*903:..H30[R75A.'47AB_]'- D M+^+N-ZK=.^P]>Z!:B&H"U22]*533]&8HS8Y\W3%.@Z,.U5/T;]>H%]*:0#6) M:@K5-*H92K.#75>.TP.6*W[W4#WM6*0XW%=X#Z6WOE%&T14DZBF4$VCF]$T M.[]U@SAU%CG\5#WJ2O)>-D-'&-4]DE44ZBF4[.B"GO18PEG-T?IUT MOPV"=HM;S?<;H\S@=-!>XQBB>Q6H)E%-H9I&-4-I=DCKUG *2&SB@>-'U[M_ M'[IO"^(^]MZ)1M'5!.H)E%-H9I&-4-I]O.B+AVGQ_E\Q2FZG!'50E03]"91 M3:&.:1C5#:5;P9W4=.>OU^8],I<0-]8TRJH5;K3WC#&<;3>]@1ASY0HL>G4$VC MFJ$T.X!UBS@#6L3#)XZ]-P+++B<-[GZ7%3?G=(BY_@L+[K9Q(LJO.C*.%)*]V_M[903.*:0C6-:H;2[&=+74#.CE- SM "$M5'5!.H)E%-H9I&-4-I=K#K G+6 MJX!TS2'#SE_A {]]HR9-[C[U3BM:.]"913;&:1C5#;79*ZYIQYJX9CSVL?+XI MF1[C"ME\7:.!;B&H"U22]*533]&8HS7Z^U&WF]#AW4YVA+26]A:@F4$VBFD(U MC6]&TOQ-2=5%WCR]!{7 DF[7$%K1Q13:-'1#6%:AK5#*79^;TKQOFP MZ/$[QI5/R9$]!AA6TU42U-4]DE44ZBF4:}/=71,(ENH/8GX>Q_-X=YC[Y2B M722]2513]*91S5":.G=*ZBYP#]U_M,8D\O6#2?2"]3]AHX8E] M4DJBE4TZAF M*,U^*M2%YWQTGD;291+40U@6H2U12].50SE&8'NVXFY[WNS.J:1,;=D\AP M,UFI>X^]4XK6C*@F44VAFD8U0VEV2NN;<>ZN&0^.1-Y5GW!7C1R=Z4671.); MB&H"U22]*533]&8HS8YXW5'.I\>9,- Z$=5"5!.H)E%-H9I&-4-I=K#K.G%^ MP <\'C9AH 7B5MMIYZ2]WA?=fT UB6H*U32]K4JS0U17@W/@U2O1!XQG:A5T MK2.JA:@F4$VBFD(UC6]&TJRP^X.Z8JS^?(QA8^=*V6:YD.4$RTF64RRG646]0):3+*=83K.V6?_O*)=(,M)EE,LIUG.8%PK MK^-&7K_WUJNORN&CN"WW]GU(O5^SNWAU&>?)]47#(Q1=[#1A8PL%[*<8#G) M-B+N70VXS MG<3KQT\0\"ZSO)2JD_XB*G=>)KX[Y&C,R\(ARPF6DRRG6$ZSG-EQX\8@ZT^" M\:#ZO\=9MI7@62/!WWM[UE>]RU"CY>-G('@?XV42?]FNS:56T3QSK/V?$^C" M1Y83+"=93K& <9CF#<:VGS;SQM#G.W5MW+A9QM--D.<%RDN44RVF6,QAG1{QO M-)L^=1_7G;1W0>M^[>/>9^^\HIQ@.-VY6,39[A/E!,M)EE,L MIUG.8%PKXHWNTZ?N];[3]HJACEF%+3)13K" <9#G%2R;,L@N5"EA,L)UE,L9QF.8-QK;@W>E#_.#=MW;E8Q-FR M5^4$RTF64RRG6]$]NTV?.%FSG2;*A2PG6$ZRG&(Y MQ>,FC7ER-G^H9P,V2&FP7;=BVB@L?7=A^>&V6!=1>E6]37(9+:.-TT;G&]QFF M?U59=G+++-?^33X+@H11K?3Q3C\=*]C 5RVF6,QC7RF*C>O3=U>-OT;?-L)NE MWNV_+!5]4&W8&=[?TS;SO2 M[C_SQ3/'U3^-,"^(H0 MY4*6$RPG64ZQG&8Y@W'VLR!H5(?!D19%!NRB2)0+64ZPG&0YQ7*:Y0S&M2+> M:!L#=]OXC]LH+^)\^:UZT9<7R,^CS;SR-J[=H]7YY\|UG?[:_ M+,&]_]990M!E),LIUA.LYS!N%9V&X5@X%X@20PI3WSL^C.[!G|&9SM#=E!,L M)UE.L9QF.8-QK6=!HS,,CK1>,F+72Z)RG& Y MR7**Y33+&8RS(SYL5)9#]VK'[B3@UON'7*4"UE.L)QD.<5RFN7.CFO>R6'4.MOD2I%>!&(3ET%Y+O\N3J.MY<1'7H .(6^P>7;2Q13K"<9#G%V7U19%\KLDQ[M462KS1]OXN@JSJL'E"__)F%#%[.!I KR>O=F?SX2D , M8K'6()SNQ1K;G.< Y_41>H'+ ^/?Q)92B>[3)!-7O:V4NS>#@0BW-'6BSW8T M4]_<,IX2]=[RS4#L."51'10F ^PXDT%*XJRWN,P_N^2:,?29S1:XI$/DT) M?WA+$W:XZKF]'Q\(CC=;J3\8+'YW9$-QJ/RZN^;JW>;(B>*49B)F&>+T]JKW MJ_LFP%=D*_Q1TP/HK,;I*ZL&? NFW[R+KGJ.WB*:T%!J!%$O=W1)DT23U';\M6T)QYPZL+[\@^[G.Z]V9DT$7;++DSSB2VZO>K(DOVB?S,#K_1R M1.3_T:%HR7+[BB7\3]AZ(9F M,>/H(Y-4H-6> (NS@*7]YHI+$B7B%?]_!$EO"U;=QAKYFL107M0\^Q$FBY"8N M!U)MJEML%3ZQ59]"V4?8O=),?IZLT(O7[Q"$!12[CW1#C)K.'^.;N/%S=UJP01G M8)QO)B7GB]R4YH["PT? AX3S#\$Q&F&]O.B'YZ8GAVB?YZKU9]R1-Q=]M@BEH MHW:...MAOQ(Z$]*G.K*@_(V%C_ Y$Z<7]]D 0E;0<(\2)@"0N 8@8AD>Q M#&WTQ35YT"(12(V!.]#A\1W1(QAJ.C_TTR89* [.K9 K8)(?I\?UN,<431_]= M#N[JNZ<\C 5%.QZ'5$O@6&W5&K@^\2S]'K$D(5R@G1)*7GDM>L)PUMK MYJXR*VKZ/W;XJ;@@!,J4'"?,A8<%3!\.0PN0HA8E!4. LI#12@P)G*1(D M,>305F KKVN!)X\&A!&>MPT(D%D]2)@/"0N 8(84ID@-M;;Q/VXIO)70M_O11\?%\VE9\R*P>),R'A 5 ,*/XLV/Q9];B/SUC_6[,:O7. MHTT@UBQ=!0()6T'"/$B8#PD+@&"&B.9'$2MA;92NG: T!]FY+FXMK1=OJ.:&- M&8AW]HK^V6L&4/MBU]R%EVK%U?T\LH:ND!A/OKG5T^*:>,S)XAEWOH\9CCM-MXVGS-WW6:BO[7G3^L8(ZAZ"T (IFZ]$R#UV[>_AKWJ=1QB02^_4_-)1(,L1I M1-.=OA{66NH6OV_E!5 T4Q25A>C:/<1EU1-4@X]9 MP@*A#LR.QZ>S(;-GK>TI^LL U"'$)3F@]("*)HI@\I.=.U^XG,FC^JC_*4F M(7T%5.!/6?N) JBQ"$!,@=(4)H/2@N@:,*:0*K/2G8!,,%U0LQ*4M@*E>: T M'Y060-%,T52VIFOW-,IL%77+D@A)3[(XVZ"(/ C5?Z)6R12P<=V5?'2V FG[MK4!I'BC-!Z4%4#13")7%Z=H]SDH(:BZC+WKFE[_/$L7LD2B&CT0!ZE:"TCQ0 MF@]<"Z!HIB@JR]*UFEPU4:@Y;*@&%;+)+X$)R<)OY4Q7\GBSH;Q5&05=FRV5 M2]4?-K4!.DZ"TCQ0F@]*"Z!HYLU5E4&)|09EZ\BA>H1Y!UWKC5;.HX8Q<1NB ML"?O? ,5]&L)2O-!:0$4S11%96QBN[Y^6AY%-WAHM8X6]7@MG2(IA1 ?4M0 MF@=*\I%[13-E$+M[DN[1^KOLXCHB0A)4+@EF1HY.-WMN5H6[5K 9V@![KY*.MV!LK8> ^LA+VU\O_P1W'ECV*[/PK]@7PYM%II]DWH?/\NJ.<*2O- ;3XH+8"B MF4*K/%<\ O5 ,*33N 2EK4!I'BC-!Z4%4#13-)5#B^T.,3$V+1![\LZB #5(06D^*"V MHIFBJ Q2;?*Y!^BP+I*0.)[5.?SYKB@/4- 6E>: T'Y060-$*<0QJ3SG]QV0_ M$+Z),X$2>JOP3G^J?N"\>/*T>"/9+G_P<HLMWRC MGZ4\O^]02P,$% @ UH0<61E-$*FW P V@X !D !X;"]W;W)K M&ULK5=:,;HV%/TKA%8,+=!$WQ,,.,)I6$I6B"(MT_5AV -C7=M")=(MJ3C;KQI%*8HE,8* [Z<66]',.>>ZE+G7G1\]^\SV 0,]% M3OC"V MQN#)-OME#@?DE/0"13[:4%5C(6[8S^8$!3A6IR$W'L@*SP!DQEG,U M=L>6%81LO _?9;B^]_7,Y/^ =K$%\/=PQ>6>Y M*FE6 .$9)8C!=F%);54$A?@]@R, N4:5E4=*OU^X,7D/PSIW!;PC*NEE[5X&+L<#+.:-'Q"JT5*LN5/056\8K(]5&60LF MGV:2)Y;?*=E=/ K4 R/ EV@M=R*:9D#HEMT2P0PX (ESW)C?9.,-QV? [A*SWU#3^Y<K(%*V5Y$.B/SQ*.;@4 $]=KFLU3Z]65;TK?L ; M6!BRK"%@3V L?_()#]Q?=(&>4BR>4BR92*R3$]]-B3>FOES)I$!8C. ->AE;#4@A M;/>LGR.4C MUG(>M\W#4^0,5)SL<07T&Z;R&PS1'?MC+SDJ#\NR!VR'*MR.K M;W>(\KP@>1-PU!J.1@VWQ^T]%H#61WS0F1W5^-$*.Z58/*58,I%8)Q&S-A&S M20^]V90IF5(LGE(LF4BLDQ+;>OU0M,8 J.=H/3FMP%TXD67U M"H(6YGE^KR+H8+X_Z\$2'] M_>B-W]A7*ULS'E>-F^H-7N7KKN\+9KN,<)3#5DYE78;R?K&ZD:IO!#VH3N&1 M"MEW4J,N\;#Z!50#Y?>5H>+FJ>FC;V>6_4$L#!0 (_:$"%GM/#=0EPD M)]I 9 >&PO=%IV:%]U!%*>]V66Y[(.<78]M2N*4?Y8DVZ[?D?SS MFB?BZ:IG[UXV? (F7*U5LZ,\N-]&2WW'U;?-9YI_Z.\HB7O,TBT5*)'^XZGVT M/S!W6@24W_@MYD_9WGM2%.5>B._%![.XZEG%'O&$SU6!B/*71W[#DZ0@Y?OQ M1PWM[7(6@?OO7^A!6? B\,/=1QF[$\GN\4*NKWJ1%OPAVB;JBWBBO"!0L.#-_M19*5?\E3_5VK1^,,;3(EU'9SOP3I,J]'HN?XA[@*KX ME0?'BU0TNY3BB%,J[(S.CWF<%F*_4S+_,YS'J=FM2)?OOW*Y)AZ_ M5^:0N[1'(Q-I+`3Y52B>D<66$\=R)N2-QU44)]G;R![*\Z#@[.=U M-K_*XIS(YD)?1*I6&2'3[5^TQ(2F^)\QAOI^?7%=]VZ7XUXX1^*M97A>E?13=TO:; M^1V*Z$ST(K9@@@X8U]++UG8$,7M#,7O#7L%$Z6M[H%*W9U5;LEU3W#+MRE24+N)TF,_RUCQ]^+A@8B'HF7*I>0+!A"GN<(*K$N97L.'>+S\<3,?',AL>';'QV# [Z6M@11[OA&*BHFG)&.^6,C,JY M%5E&\CX2?U:Y4+9QMBKKUU)&]ZI_D;>N9)!PCPDS!\=`6-[,!A-)L>B&1T= MY4.]=&;15UD,5$A-+,.=6,9FL7"EN'S$<9-?7^)6>1@)Y\H#"?.0,!\)"Y"P M$ FC2!@#P33I3G;2G4 [$!.DC)$P#PGSD; "0N1,(]$,1!,D_%T)^.I\0H< M1/,XB57,LW<@D5&\FMB-+6[H*9<*Z:H#0/2O.AM !*"Z$T"J4Q M%$W7\-[@NPVMYFL<2M!(F@>E^5!: *6%4!]%TAB*I@O:.03M@"M\,_!L22-I M!3FU[37*WUHVK!K6@I-RS]DU376>"WC<6RST?,#S0&HQ0.E>5":,;Q ;+2>: \BT8=>T M%)6=4BK;ZQOA&RS)71RPI+W,F'I+VU2DW?"'*#*G.5MY4*L(2O.AM !*"Z$T M"J4Q%$T?>N-FV6-LZP#]:4%I'I3F0VD!E!9":11*8RB:++NC&X[*-WD/1.N!U MLZ!5OU!3JZ9I%=#0LEIJ/@^:V(?2 B@MA-(HE,90-%V)4 M\9RNB(Q4Z]PW, ^5LD4(=*RC-KVG%B'DSV^/"&ARV5J&65;>D%)J4O9I4GVK> M.%:..V,'J.)W23#E74E":!Z7Y-6W_FCRRI\.6/A T;[@Y+X7F92UYC^L@75R-_ME>081 ,;K;E"U!BE2L6A5%M0`]FGV\. TF5H3^Z!&A2;VH;0 2@A-`JE,11- M5VCC@3EF;ZCLO\2[_LL[,F\DNY%QWA9\$Z=D40_A;[BLULR\S?OOQ@4TU^:\`M9\NZHHWW3U+KPAT?2AKJ#4\J 9060FD42E.HFB[IQOHIRS%;4QV!.,Q6*9-O[M__*Y(DH0R1=|02G6I"U31MTO:PM5<#S>M#:0&4%D)I%$IC*)HNV.9A M9UC=46@TPF=HO.,LQ[ M<':#$VHC06D!E!9":11*8RB:KMK&1G+,-M)=6?47$_GG8KW.FPN9$O/OC6+) M4ZQ6U5A_-?3_FZFU<++POIS,"SA0AUE: TOZ;I"V `XU8I0BVC[HDI-#%#T70Q-GZ08 .#*ZL)3SS>5 M+WO#7\?=3#+R*6T:?7(6=2E!;Z7Y4%H 1850&H72&([FGP2-[^],H2Z_ S6@ MH#0/2O.AM !*"Z$T"J4Q%$V_$T[C>KEFU^OK*J>N1+(@2D:E] [6(_BRZ:*T# M#6;8N7*$TK:IDU!/ZB0?6C& $H+H30*I3$431=IXYZY9O>L$>ER&RWG>4(B6 MO.BV52-CE99VF9+Q<>O'&*I&^V]-OJU"QM9S6X1Z*%/L+>^P[S#WO0.>] <[[&WO_A\^ MF=OX9*[9)PNVZ2{J^E]10BJ3@4B^VR;3[']02P,$% @ UH0<6:$2@;CC @ \ 8 !D !X M;"]W;W)K&ULC5513]LP$/XKIPQ-($I:9M6K(U$ M@6D@(:$"V\.T!Y-<&PO'SRZ>?OU.SMIZ$9,\9+H;.CTI0$3)A&2\E9JE,:*7%/F4?822/D MHA;B/2@:TG/D#?^>@6'$&W;IR_,:7L,:NN4M'GOKOX*6>\#6P MY 'JNM1Q.*X@E[^[/-:DPVY2R/;\!ZW_H(_ZK$G\G&PO=V]R:W-H965T4_;T49:FTZ 0$P;+Q\0'|SDVE@D=K&==?Q[;"<+;3!E@GUI8N>>>Y^ZY<;\\W MW3^^390*

*$MW5%14SIY1R>^ZZ(B^AQN*;,8&]+VO&:RS5DF]6 "P.J*S?P MO,2M,:%..C5[5SR=LD96A,(51Z*I:\Q_S*%BNYGC. _<;UV132KWAIM,MWL - MR(_;*ZY6;L]2D!JH((PB#NN9<^&?+Q-M;PP^$=B)O7>DE:P8^Z87KXN9X^F MH()<:.@:L'K>P@*K21"J,[QVGT[O4P/WW>_9+HUUI66$!"U9])H4L9\[8006L M<5/):[9[!9V>6//EK!+F%^TZ6\]!>2,DJSNPBJ FM'WBNRX/>P#%8P<$'2 8 M J[_,(,$#[40]0'HH=ZB#N D>ZVVDWB,BQQ.N5LA[BV5FSZQ63?H%^"-7G MY$9RI94HG$Q?TY$5@#[@.Q#H%W#1I4/5ZC;/WG+A'B.+CFKT8)126A#Z ;[WWT"S4$=5D '/"<92$P]\3Q%'\V\R=/.++T.7J*"$4?2M8(3 LQ=:4*7H?@- MYEV@\S;0X ^!ANB=\E*M*0%%!9\=AR?',& [*FE]YH+[S,V#HX1OFNH,!>,7 M*/""R!+/X@'PT#/PT";G_[PO_]G[03+"_AB%AB_\ZS%"&1%YQ42C#L67BY60 M7/6'K[9ZMXR1G5'WQW.QQ3G,'-4 !?!;<-)G3_S$>VE+|F.298}MGPDLH.R M1'U9HF/L:::*(B3);>EOD8E!ZMOD-CWU1UX\\:?N[7YF+7:C,!IYAV;9C6X\ MB9*!W=)B-PE" Y?7 Z%Q+S0^*E1=&NI^H#:=+3#>Q/@LE MY>IVH1^,!A)M9$DT\6.[QJ37F!S5]%Q6K7M5IH^JSHI@N\-D3!D:JI M3+\FYN|HRT9B*5.2>.-!E16NS"(P\DP(3:^<1*&X2 G-KYX% 3(@"?NWE56 M]^8&4*@G#54MNVIHW^W'E MS.P_VY_[YPK?L9VJL:.>07_3M3/0.\PU1-UH% M:^7*.QNI^O)VSF@7DFW-1;IB4EW+YK54HQEP;:"^KQF3]POMH[_VTH]02P,$ M% @ UH0<68A^XV9* @ S 4 !D !X;"[W;W)K&ULA91MK](P%(#_2C,3HPFR.6 29$O@7HT:4<+UY8/Q0]D.K+E]F6UW MQ_WWGG8P,>',+ZSMSGGZG(]31:/TO2D!+#D*+DT:E-96\S T>0F"FJ&J0.*; MO=*"6ISJ0V@J#;3P28*'<10EH:|,!MG"KVUTME"UY4S"1A-3"T'UXP]X:M)@ M%)P7MNQ06K<09HN*^N .[+=]HW$6=I2""9"&*4DT[--@.9JO$A?O [XS:,S% MF+A*=DK=N\F'(@TB)O<8&OE2?C7),NH|R9S6^99AG MLT^)1GRBGRF6E-W0N3%+5C^N'FY""WNX.+"_$1;M,3X"5L"UDK:TI"WLH#B MW_P05J]P^*RWBGN!'VL^)/%1 0.{HGO3PQEVY8\,)Y?[<[DS5N,_XM>U&EO$ MY#K"=/QLET9L>P4DG,.FCHZ Q /RI0+W,>2!>,4! MV8)KL6Z!? 4MKLGWXV?D$;@V/;+33G3.2UK3(Q.UP.;4T%!.I[,^_93I?WV2 MSB?I);GS8)+Z5L>S8ZJX9M//&'F;.S+A18<)T =_CQB2JUK:MMFZU>ZJ6K8= M^C>\O>?65!^8-(3#'E.CX6L\(=W>'>W$JLKWZTY9[X_+/&Z!>T"\/U>*7N> MN VZ"SS[U!+ P04 " #6A!Q9.B3Z,1P# !\"@ &0 'AL+W=O8S8R$ M\V)BFBQ*4]2!DM0"CL$<^O&%E[9:!%/ M8=?9SMX&4+3&]GKO3!G47'9/)KC7X<_A2/2/8.R8E#/G!(=T!D)YHEYFG M=<6<6'.R? SSPQV"!;[M^+== _.2%^!E\5-)6!GZ6)9;_B%QZ0DESX1NDU' 7UMQ"1=T]'TDE[?5./EX[K^^?-REA--?O7D$0=Q&08PIWC:],P AHM! M_N95G$?OAOC]3V!';" <[V\D8>N[KIF&\!*H:8+5JI354(85H:7==]=@*H29- M6NUK#=0:A),(!&<),,=3NZ$,&)7L;TF8YBO,?2WG6RS/[,7E*;@I7ST!* M((@>=]Q7PYY<29I7-!L2]DLAC@XV-KJ,9M<1 SXIAM&\!U?*&%6G9!GFO[#>B1U4%C==!K=940RI\WM!SMK5PL,QV6OCWLYTT:L$M7WU[,>> MZW..KYO,77!Q+V< "CVDE,F>-U.[, %]F:XH87 ED,S3% {O'4Z\!T?,.O>7"-9G.E%GP MXVZ&IS $=9M="3WSJRQCD@*3A#.D8-+S^LYY@2$$%!)E,F#IE,. *#6)-(U_94ZOVM(.5\?+[.=6N)8RPA(&G/XA8S7K M>1T/C6&" (;E'J:)E_"J:2,:%'&!AY**K ?424++""V96UAE6..X*OD#"1.ML9F"]L6BMAC!SBD.E|%NB<2]^ M!.V!1#4TS+.,@CX?A2DZQ12S!-#0%M(%*ZK%V+Y_!@H3*@\TY'9XAO;W#M > M(@S=S'@N.1O+KJ!T+Y=3TH.IP6'<.'[SD]0F'G${5!V'#.R_ ,=L$|!4; ME25A94EH|\6W6W+7'TDE=)G|=2DJ4C3<**@9"(3-?]X2&KP?O69+HS*E M\393+(@D>$4K4XR$:Y$)H)W9DRG8>_201.8P1++,Z1HUKB&QO&RYGA3E:_Y,O=5Z M)ER.%-NTI#;F2SV/PWHS..[Z\U6IKJA..ZBBUC2T*PWM-VE8<=TN)*BG1 M5BDWW'RN^69!+K[1\ZIHA]'3VG%$=9K14{[^2NMAVKX?6$P)DYK(1..."H[86 M+(I6]I@HGMEN9,25[FWL<*:[3Q F0+ ^?<*Z6$]/@5/UL_!]02P,$% @ MUH0<67?W:I+W @]0H !D !X;"[W;W)K&ULM59M=;]EV%/TK MA%<.+=#&{JG/++#&01MR681V"I%T?ACTH-FT+E457HO.QL>/DA7+HFG&7]Y? M$EL^]Y"7ESJYQZ'.'D3QK9QS+M'C(LO+\\%/%^X26=S65T8CLZ6R8S?5VH=\,-RR1=\+Q.10X*/CT?7.!3 M1KTJH$;\F?*9[(!%15:L54OZM6OH\5ZI7FU46YEH3Y-59P< MW? *9*KM$5_EZTU7%^X#^4#0T-LEXB2Z]0];R"=T]H6?LVV<+7),W*=PKYY39& M;]^\0V!0F]//<{$]BWO2G@<VEFELUPG4AYDQSPH^B1R.2\1RR=\8HB/-M?/ &^)-7ZHUF2S,.1Y83X2*^%OJ^P$D?](@YQ#?.YW",<.G4X-;?SNM'9_QZ]-MLQATLTMHS4=W\-WP>YZO.)H68H'8H^1%GF3HLMZ>O$!__:[PZ$KR1?FWJ?1K M.UG\=ZM>AU5^,^Q'!'O6\L^']LH.8#2D >G"XC[,)=CUG2Z,&6"! M&V&\@77RI#9Y>M8\?RE$6.)E(.;I-*7]H4,%/CN?ZKI.J">8$)-12[<.(XSF> MKZ5]@E$_<.VI^IM4_?U*BOYM.[5+D8^5!A=KI;Y)RV^F5; 2'WK#09+%D&0. MB*Q3G6!3G>'8DAA 5@B2+(8D8T!DG0!FPJ%UONG>ZL4ZE9YCY.\]*ZI%MA4 ME#4? =K9E01..ER'QRQ!FA722C3;)1GN+Q74A)[NQW%,KK+R'!D1(LAB2C &1 M=8J#G;,;+=HZI%@T[4)% V6)0-@,%UJW3EAO"P)K1$%I%8PI,O >&V3'=E$F, M,K&F?)O.JKUXE4L^*Y33,R9H3AX_T&RQ:!L#(]M6XS69^&C&BT,ZK1 V6)0 M-@;%UJU3Z[;P*^P6]EL?+W*!]D$,,-?'Q->%H0_#. @HU<6ACPL#!P<[]*$'U M7/AUC@OWW8_R/GZH9VLP28'O]++MPP+LD4A/M@_SB!/1'H4-LP]V\.T(:L1 V1@46[=LK1?#1S5C&-2-@;+%H&P.BJU;I];186A+A@U6 MR3G1OZBY-,-PI*O+7FQL!UNX0UU:CX;M)NU"[4HQ0Y_21SY!C=0D^01]30NN M!,,\QP34GK&RQ:!L#(QM^_W5_,!'(42T. ;5HQ&[1K*U7 M$!MI'R**=4-F@/E1%,IR88!AS_7U+\Z9"4!U<)TBV&)2-0;%UZ]3Z.F+W=8?W8@VAUA,10%<. M(TRWL3N!*_$9W3Z5U3ZL548M1\Z;PP[&Y$&]'"A;#,#,K& MH-BZA6F|'+#FJER.@7@Z4+09E8U!LW3JU7H[8O9R]#POJ/8*O>@=E=*OHP3 CQ M ETK##@W-^F'NW*3(P3J2S?6)2R?(_2?)RM)FD^0^4*?B'ZAAP|>%BR?-RO4R5 M)B4+43O2U**8]FRUMD2R(LM4G/,<'B& M8W-F!\J>^!9 H.<*_,/(\XOJYD6POW.G9]!=- 6?Q X*-G1$\Y1/1)+#6]3 MN>6H%4$&B5 46'[M80E9HCD.OZI2:W&IP(>/[^R_ZR#E\$\8@Y+FOU)4K&= M6U_+I;#&NTRLZ.%7[,:*;Z$9EQ_HD-MZU@HV7%!\QHL5Y"3HOK&S_5&' $D M3S_ JP%>%Q"<./@UP#_70U #@G,]C&J #MVN8M<;%V&!PQFC!\24M613#WKW M-5KN%RE4HCP()M\2B1/A VRD[+=%E72*?$NT!>9H0\X XX62D@B7M#C"_H% MZ(;A3>I$W MU2*]$XOTT6=:B.U"\<9%"VH,/AO'C ;PM-ZS9->]UUVZ)0<+?=MDE\]:?D.=X M0<]ZEF? ?4?# ;YP_I W-Y^)N]NS.M;#U+(UWS^":X5[*82=W7C.8H?A; "IRA MI4Y>8!SA(D5WM-AI@DBTR2Q8;(6LH%C7+!$'O8/IM.GLU/J 2FYN2/ M1)\H)9_K:$+U(!0/W9F|/[[JKYM$7S>)!TU:P8Z.8$>#P2XXP1?W."%KDO2% M-HA^;[Z9)(M.DL6&R%H2C!L)QA]1*<8FE3-)%IDDBPV1M92;-,1-#%>*R7\/ ML';Y'G6*1;^5UZD7_59!IV3T6HTF_55CV@0^'0S|"V5BBQ8R.TF"'^^(@;ZD@?M]A=H-N!3G+++#K/ M++#YA-NI4$/NH52.S,Z-[9!PE=%>{ZLK=S#9]N(7N/G7F;]SKI=LS'ZF^G6X- MO=%73;_/F&U(P5$&;^G*N9S(]P"K^FC50-!2-XH>]9!'0S!N .? E(%\OZ94 MO Z4@Z:,&?X+4$L#!!0 (-.$"%FWMTC#]_ -@0 9 >&PO=V!R M:W-H965TN*B30H!3EF>M[WMC-*>/. M?%KVW4[EYVO(Q'IF#)RGCB7;I-ITN/-I03>P OVQN)/8 MG,.7=(FNZS?12 M[-]:=#(\&*1J?*7[.NQGD/BK=(BK\6X@ISQZDH? ZXTX$""G6^#7 K\M"$X(MAK5@^-P9@EH0/'>&42TH37R+-:*29FW+W2S7N%^,F4%9: MXE.&.CU?P0;=KLD-KX+,..\U655A0\2;K&@&BEP9?S+|F6A!%F++#M638JU.J MR1(P0A4R("%O_58U2/. DX'WLP\(33-R >.>3QUC@1-6:9>XCQO06PD+5(6 MQY7"")'5$!9,/>!SHU)&-74U&EN6[,:U8=>58?X)PX;DO> Z523B"20=^K!? M/^[1N(C)S4[!3SM]!?<"?]MF9\0_?T5\SP\ZUK-XAGSHE?)AESG_;_;H/\]^ MM!G#)NR&)6]X@K>$'? M1L-;BIQ$CQ@T'*-D408\2$4H3\BMXJO7MYA'$G*E M%&A%_KI%#KG1D*N_NT*BFC3HGM3DW$M5T!AF3AFR<@?,_)>?!F/O39<_,_)" MF[#@$NSO 9H7UVX^F+|PZW^ M]H#PVT.BWB%'QHX.8T?]QJ,.4_*"\3C;)HQOR#L,2? {[_KSLLK07]KWA9Q,6 MVH1%EF!''ADW'AG_B,0QMNDYF[#0)BRR!#ORW*3QW.1RXIA\?9Z]LV#4RAV= MH_R+5OKH9@6M#-+-FG0GD?/&\/->PS]R9KZ-5AH_C3H_9'KEWQM\-F&A35AD M"7;D@XO&/Q<_(FU;LD16)#8E5?7UW/0V9?A567RV^]\EXM!1W]HRO:R M,OR"KVK^]U1N&%^7!,S,8V;&GLS$PRTFSW2) M$,O69K3D;9D;'6KZS1>HBRB-WB%\3;WU%ED"-X,4Y[\0FVI:SG;"!>4X:S2IF_09;DY7?T4CEB3P$> M4S K!;.K8!]1L"H%Z]P9[$K!/G<&IU(H3-=+VPO'!1&+QD."MX (:4X3%X7W M"VWNKR07"V7*"":\ <#TVGJ(%#SL#]WFYZ$3P?@%_\A4ZC5)$P=,K^/JZ0N:] M@%B4I/0#?_I M&H#W]SZ =R#)P=5W/?E7,.1^:VP!>< MLR4%83Y#,XE^T*_O]NCKW ^U,\R=, ^[.7N ?Z_0&F/Y'8!JF+7F? R1GJEE&H_M6S)O?5+[%K96\JZZ%A9%3SK"\1,5"^1F!.< ,;"%X9(']5$I

*9OF1(&*B.D$A;HA(6*8*T(0,.I^XWK;X=*=_]W'/K.P'4[-M24-B9T(##CIR@43.H[GR7,"W&MRX/E9@5<1UU<4_1-=NCJ5-MT@*EM%.5K1TRLPF9^99)I**KBI-*6J"4%]JBM>/4=(FPM\6YHKJH@*U??>/& M/T@N*E])(6**6%JFCM-M6#1M(G3>-&4H[1:5T@*EM%.5K1VGIF.$O>W.B=K#/:PI!I8_Z&8'B9@/O8/* MXU#,\0WCH/"0B'F691_)#DWG!?M;KTYV^+'*HW>]BY>G2E]@E!;]HK6#UG20-MT'_3-**TPU1*"Y320E6T=IR:+A/VMDC75!X#61$ {6YND8MU_Q,]CQ;>)(7)F-MZWMG.'R9+8K#,PIBQ,Y9^;=|/5H:T'TJCJ4ZXW?P=@(EXX$XT-0.C!|>1KX-M)2*+)*<@17,^E7$&CU{}(Z"X7*%)HAH@0X,.G&+/=C9B@-M/N8&ULK65=;|,P%(;.-BF40VB1H/IV8Z21NHX)D)$!5]\$%MXL)-3ANK3IP=,^W&K|=VLM!I606(7C3^>E_[.$F3V(W-,8EEK04O-M88Y$U47!\/X2A-Q/:$?!A9\DVL[X"5QQ3:P!'U3S=`TO,XEXP64BLN2(*PG M=!I.W;"LF(*9%-]XIO,)/:4,6+Y5"N7^R;],:. MSBA);Z5ET8K-"0I>-D]VU\;A0!!$SPC"5A#^]6#8"H8.M#F9P[HBFB4QRCU! MN]]XV8:+C5,,&E[:6UQJ-+/9H]P@*\@,\H4A,AMD-M7MKN=-GL%#ZSTV>&O(&KTGHAT&/'9<-M_]D6 Q*>,WGT6.X9Y@\K[,!#YS=\QN_]:74B&/OO^C>D!DCVF%'.SSFGDRSC-NT88(H=^/X^\99-M(>M2$U;K7"+_"5E?)!K[L,.WE6&7#$=-^\XNJW2'FT8/\(V;4849',1=@"Q&ULM9AM;]HP$,>_BI554RMUS0.$APXB%9*IG;.N*FOW8MH+0PZ(FL3, M=J"5]N%G)R$E0 .9O#<0)W<_-_P_7QSW5H0^L3D 1\]1&+. ^-N=|<:GK;#*'M"+,+LH!8/)D2&F$NFG2FLP4%[*=.4:A;AM'2(QS$FM-+[!U1IT<2'@8QW%'$-MDBC"|&4 (5GU-5-;W[@/9G,N;^A,.X%G, + ^L+BCHJ47%#^((&8!B1&%.5^[-M,B\]TY(.]<5C"NV<8UD*&-"GF3CQN]KAAP1A###A$H'%WQ*&$(:2),;Q.X=[-M19_2Q9Y.G(LY=GJ4K!"5UH(F+]+93[W%? 6Q3)011^)I((RXXP(-EEB*Q1". M?70-_BR(9^A*"ACP0-S^@$99%B$R1=|$AB(AD1-@1L.$4H@G+VA(8DZ%Y@R=-MNL!Q$+(S=(*"&'V?DX0)+CO?:O=T+D8OQZ!^I$.LI%;,XST(*MSCBS# M;]*D8M.3\X$DW&;B.SE>XC#.L3AU1%$]P1QW7'Z-4A'AJC+M0O4L_J4L!*-MNV@<3 'T\XMXAFXX1.S7/H4R4',_2-:T2[;-$^AKHF@QH$O0G/?OS);Q<9\X-M*F&N2IBG'"%92HU&HT:BB.[=)-.8JEJI-(3)#?ZJ3;)Q[90IWPU+I[G3EYNS M?=#"W;4PC;*)5VE2"K=9A-NL#'B#Y"5-;U%;5ICZ14G9%VTELFX:.MJH2Y*F&>(EA)%[O0Q595%&R5;JB$N2IAGB)828U6H4;K/Q2%UL&B<-#"W;78M*0J5)]5PVT6K[<-%X9;G9>GM\@36IT\ZW3@Z#PZ]6I"?52,#&!SIM-M13>=7G;PH@U!K68465>"W*[$H=+.5L#]B)/_?>$5B?$VB-$SR);Y-4/^4*K-MDU!9MW$OW'2U@6.RPHTA+18-62="G(IE1LN"$T0^/5QL<8L(6#&F!)XH4YP-M!.Y'G-ROZS+0%A%.POR%PV#;/6KN"-MW';ENV1?FVR]+M+X0JNS8CT2BL^C6Z\VR1=;G01KDY![1:CS9#LZ6A,]6AAH-MB'FY,!!6]DS,AM4?6"2429"2EN%(\RP_7!"^) M, 'Z_HIS]7QB=F;*G;CI?U!+ P04 " #6A!Q9GQLH4UD# !^%@ #0-M -AL+W-T>6QEVR/]QE1-WV/9QSC^UK AV5>L/I(9)2[:US+LJQ-MO]2Z^! $Y7Q)R((*@V12Y42;KEH$9:$H24L@Y3SH]WIQD!,F _E(K/+K-M7)?>7*Z$'OM)&, +LZ7,Z]L/XO>]9N:E,Z=B-/NO[8R7UU1O/GD_>G9STI[^O-M#N-G%7#N!T[1RR-$+-WJXKL$PZ?@HZ2>4,>'!OO!6Z$_$H8-XVO),.5KBS+?# MA Y"'O353^B;1I#==/*V-IH[ZI9[5W9^%FZ7L$>I/ZT.L.151_V)[U1-M-&/KJK_.6@.8>HBKDZ+@FX^<+41.[>"/3C@9D8;G+:.5BOTPV*)6Y"5#E>P]4 M.3.;?C?Q4I+BC.]V4TSK#/?<[Z/G?SO.""JH(WS5M:O\US_*S'4>#E[);S+]Q$2&73#9?Y4F@_J9M^QM8UZ\HP|K_1?+5A*\028*TU2-TR#71-*$8466 .GR.39:AWR=?X.W.|Z[-X R\&7- MMU(/28Y#10LUPPT715&?#D6AE])^VZ87 (W> Q2A?D/Z[)5TS-K20TUOR3$] M.48Y7K\%[T]-FM#-%,*4B:4DJK$H)XIYGZ_D!B_()- OK"1B1X+ISS_!8?1+ M4XF>P&H%|\]"><SEZ[W51O01&50;7"# *K%3HL"QV>189#GP1X JL1$)<$Q/];A@>$045AHR%ZH<+C&!B/FD4X-M*H@'}!5X?IQCZY49[0ZDQ8&P,'YU&K5X/C"ZU.@K4XT&D@.GWB"XBJ#!NL-M9D-4#/QI%KU;"Q+<3_-6.9@

(unaudited)Statements6 falsefalseR7.htm0000007 - Statement - Condensed Consolidated Statements of Cash Flows (unaudited)Sheethttp://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunauditedCondensed Consolidated Statements of Cash Flows (unaudited)Statements7 falsefalseR8.htm0000008 - Disclosure - Organization and Basis of PresentationSheethttp://www.semtech.com/role/OrganizationandBasisofPresentationOrganization and Basis of PresentationNotes8 falsefalseR9.htm0000009 - Disclosure - AcquisitionSheethttp://www.semtech.com/role/AcquisitionAcquisitionNotes9 falsefalseR10.htm0000010 - Disclosure - Loss per ShareSheethttp://www.semtech.com/role/LossperShareLoss per ShareNotes10 falsefalseR11.htm0000011 - Disclosure - Share-Based CompensationSheethttp://www.semtech.com/role/ShareBasedCompensationShare-Based CompensationNotes11 falsefalseR12.htm0000012 - Disclosure - Available-for-sale securitiesSheethttp://www.semtech.com/role/AvailableforsalesecuritiesAvailable-for-sale securitiesNotes12 falsefalseR13.htm0000013 - Disclosure - Fair Value MeasurementsSheethttp://www.semtech.com/role/FairValueMeasurementsFair Value MeasurementsNotes13 falsefalseR14.htm0000014 - Disclosure - InventoriesSheethttp://www.semtech.com/role/InventoriesInventoriesNotes14 falsefalseR15.htm0000015 - Disclosure - Goodwill and Intangible AssetsSheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsGoodwill and Intangible AssetsNotes15 falsefalseR16.htm0000016 - Disclosure - Long-Term DebtSheethttp://www.semtech.com/role/LongTermDebtLong-Term DebtNotes16 falsefalseR17.htm0000017 - Disclosure - Income TaxesSheethttp://www.semtech.com/role/IncomeTaxesIncome TaxesNotes17 falsefalseR18.htm0000018 - Disclosure - LeasesSheethttp://www.semtech.com/role/LeasesLeasesNotes18 falsefalseR19.htm0000019 - Disclosure - Commitments and ContingenciesSheethttp://www.semtech.com/role/CommitmentsandContingenciesCommitments and ContingenciesNotes19 falsefalseR20.htm0000020 - Disclosure - RestructuringSheethttp://www.semtech.com/role/RestructuringRestructuringNotes20 falsefalseR21.htm0000021 - Disclosure - Concentration of RiskSheethttp://www.semtech.com/role/ConcentrationofRiskConcentration of RiskNotes21 falsefalseR22.htm0000022 - Disclosure - Segment InformationSheethttp://www.semtech.com/role/SegmentInformationSegment InformationNotes22 falsefalseR23.htm0000023 - Disclosure - Stock Repurchase ProgramSheethttp://www.semtech.com/role/StockRepurchaseProgramStock Repurchase ProgramNotes23 falsefalseR24.htm0000024 - Disclosure - Derivatives and Hedging ActivitiesSheethttp://www.semtech.com/role/DerivativesandHedgingActivitiesDerivatives and Hedging ActivitiesNotes24 falsefalseR25.htm995410 - Disclosure - Pay vs Performance DisclosureSheethttp://xbrl.sec.gov/ecd/role/PvpDisclosurePay vs Performance DisclosureNotes25 falsefalseR26.htm995445 - Disclosure - Insider Trading ArrangementsSheethttp://xbrl.sec.gov/ecd/role/InsiderTradingArrangementsInsider Trading ArrangementsNotes26 falsefalseR27.htm9954471 - Disclosure - Organization and Basis of Presentation (Policy)Sheethttp://www.semtech.com/role/OrganizationandBasisofPresentationPolicyOrganization and Basis of Presentation (Policy)Policies27 falsefalseR28.htm9954472 - Disclosure - Acquisition (Tables)Sheethttp://www.semtech.com/role/AcquisitionTablesAcquisition (Tables)Tableshttp://www.semtech.com/role/Acquisition28 falsefalseR29.htm9954473 - Disclosure - Loss per Share (Tables)Sheethttp://www.semtech.com/role/LossperShareTablesLoss per Share (Tables)Tableshttp://www.semtech.com/role/LossperShare29 falsefalseR30.htm9954474 - Disclosure - Share-Based Compensation (Tables)Sheethttp://www.semtech.com/role/ShareBasedCompensationTablesShare-Based Compensation (Tables)Tableshttp://www.semtech.com/role/ShareBasedCompensation30 falsefalseR31.htm9954475 - Disclosure - Available-for-sale securities (Tables)Sheethttp://www.semtech.com/role/AvailableforsalesecuritiesTablesAvailable-for-sale securities (Tables)Tableshttp://www.semtech.com/role/Availableforsalesecurities31 falsefalseR32.htm9954476 - Disclosure - Fair Value Measurements (Tables)Sheethttp://www.semtech.com/role/FairValueMeasurementsTablesFair Value Measurements (Tables)Tableshttp://www.semtech.com/role/FairValueMeasurements32 falsefalseR33.htm9954477 - Disclosure - Inventories (Tables)Sheethttp://www.semtech.com/role/InventoriesTablesInventories (Tables)Tableshttp://www.semtech.com/role/Inventories33 falsefalseR34.htm9954478 - Disclosure - Goodwill and Intangible Assets (Tables)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsTablesGoodwill and Intangible Assets (Tables)Tableshttp://www.semtech.com/role/GoodwillandIntangibleAssets34 falsefalseR35.htm9954479 - Disclosure - Long-Term Debt (Tables)Sheethttp://www.semtech.com/role/LongTermDebtTablesLong-Term Debt (Tables)Tableshttp://www.semtech.com/role/LongTermDebt35 falsefalseR36.htm9954480 - Disclosure - Income Taxes (Tables)Sheethttp://www.semtech.com/role/IncomeTaxesTablesIncome Taxes (Tables)Tableshttp://www.semtech.com/role/IncomeTaxes36 falsefalseR37.htm9954481 - Disclosure - Leases (Tables)Sheethttp://www.semtech.com/role/LeasesTablesLeases (Tables)Tableshttp://www.semtech.com/role/Leases37 falsefalseR38.htm9954482 - Disclosure - Commitments and Contingencies (Tables)Sheethttp://www.semtech.com/role/CommitmentsandContingenciesTablesCommitments and Contingencies (Tables)Tableshttp://www.semtech.com/role/CommitmentsandContingencies38 falsefalseR39.htm9954483 - Disclosure - Restructuring (Tables)Sheethttp://www.semtech.com/role/RestructuringTablesRestructuring (Tables)Tableshttp://www.semtech.com/role/Restructuring39 falsefalseR40.htm9954484 - Disclosure - Concentration of Risk (Tables)Sheethttp://www.semtech.com/role/ConcentrationofRiskTablesConcentration of Risk (Tables)Tableshttp://www.semtech.com/role/ConcentrationofRisk40 falsefalseR41.htm9954485 - Disclosure - Segment Information (Tables)Sheethttp://www.semtech.com/role/SegmentInformationTablesSegment Information (Tables)Tableshttp://www.semtech.com/role/SegmentInformation41 falsefalseR42.htm9954486 - Disclosure - Derivatives and Hedging Activities (Tables)Sheethttp://www.semtech.com/role/DerivativesandHedgingActivitiesTablesDerivatives and Hedging Activities (Tables)Tableshttp://www.semtech.com/role/DerivativesandHedgingActivities42 falsefalseR43.htm9954487 - Disclosure - Organization and Basis of Presentation (Details)Sheethttp://www.semtech.com/role/OrganizationandBasisofPresentationDetailsOrganization and Basis of Presentation (Details)Detailshttp://www.semtech.com/role/OrganizationandBasisofPresentationPolicy43 falsefalseR44.htm9954488 - Disclosure - Acquisition - Narrative (Details)Sheethttp://www.semtech.com/role/AcquisitionNarrativeDetailsAcquisition - Narrative (Details)Details44 falsefalseR45.htm9954489 - Disclosure - Acquisition - Schedule of Measurement Period Adjustments (Details)Sheethttp://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetailsAcquisition - Schedule of Measurement Period Adjustments (Details)Details45 falsefalseR46.htm9954490 - Disclosure - Loss per Share - Computation of Basic and Diluted Earnings per Share (Details)Sheethttp://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetailsLoss per Share - Computation of Basic and Diluted Earnings per Share (Details)Details46 falsefalseR47.htm9954491 - Disclosure - Share-Based Compensation - Allocation of Share-Based Compensation (Details)Sheethttp://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetailsShare-Based Compensation - Allocation of Share-Based Compensation (Details)Details47 falsefalseR48.htm9954492 - Disclosure - Share-Based Compensation - Narrative (Details)Sheethttp://www.semtech.com/role/ShareBasedCompensationNarrativeDetailsShare-Based Compensation - Narrative (Details)Details48 falsefalseR49.htm9954493 - Disclosure - Available-for-sale securities - Summary Of Investments (Details)Sheethttp://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetailsAvailable-for-sale securities - Summary Of Investments (Details)Details49 falsefalseR50.htm9954494 - Disclosure - Available-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details)Sheethttp://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetailsAvailable-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details)Details50 falsefalseR51.htm9954495 - Disclosure - Fair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details)Sheethttp://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetailsFair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details)Details51 falsefalseR52.htm9954496 - Disclosure - Fair Value Measurements - Reconciliation of Changes in Debt Securities (Details)Sheethttp://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetailsFair Value Measurements - Reconciliation of Changes in Debt Securities (Details)Details52 falsefalseR53.htm9954497 - Disclosure - Fair Value Measurements - Carrying Value and Fair Value of Debt (Details)Sheethttp://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetailsFair Value Measurements - Carrying Value and Fair Value of Debt (Details)Details53 falsefalseR54.htm9954498 - Disclosure - Fair Value Measurements - Investment Impairments and Credit Loss Reserves (Details)Sheethttp://www.semtech.com/role/FairValueMeasurementsInvestmentImpairmentsandCreditLossReservesDetailsFair Value Measurements - Investment Impairments and Credit Loss Reserves (Details)Details54 falsefalseR55.htm9954499 - Disclosure - Inventories - Summary of Inventories (Details)Sheethttp://www.semtech.com/role/InventoriesSummaryofInventoriesDetailsInventories - Summary of Inventories (Details)Details55 falsefalseR56.htm9954500 - Disclosure - Goodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetailsGoodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details)Details56 falsefalseR57.htm9954501 - Disclosure - Goodwill and Intangible Assets - Narrative (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetailsGoodwill and Intangible Assets - Narrative (Details)Details57 falsefalseR58.htm9954502 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetailsGoodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details)Details58 falsefalseR59.htm9954503 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetailsGoodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details)Details59 falsefalseR60.htm9954504 - Disclosure - Goodwill and Intangible Assets - Schedule of Future Amortization Expense (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetailsGoodwill and Intangible Assets - Schedule of Future Amortization Expense (Details)Details60 falsefalseR61.htm9954505 - Disclosure - Goodwill and Intangible Assets - Schedule of Construction in Process (Details)Sheethttp://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetailsGoodwill and Intangible Assets - Schedule of Construction in Process (Details)Details61 falsefalseR62.htm9954506 - Disclosure - Long-Term Debt - Schedule of Long-term Debt (Details)Sheethttp://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetailsLong-Term Debt - Schedule of Long-term Debt (Details)Details62 falsefalseR63.htm9954507 - Disclosure - Long-Term Debt - Credit Agreement (Details)Sheethttp://www.semtech.com/role/LongTermDebtCreditAgreementDetailsLong-Term Debt - Credit Agreement (Details)Details63 falsefalseR64.htm9954508 - Disclosure - Long-Term Debt - Convertible Senior Notes Due 2027 (Details)Noteshttp://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027DetailsLong-Term Debt - Convertible Senior Notes Due 2027 (Details)Details64 falsefalseR65.htm9954509 - Disclosure - Long-Term Debt - Schedule of Interest Expense (Details)Sheethttp://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetailsLong-Term Debt - Schedule of Interest Expense (Details)Details65 falsefalseR66.htm9954510 - Disclosure - Long-Term Debt - Convertible Senior Notes due 2028 (Details)Noteshttp://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028DetailsLong-Term Debt - Convertible Senior Notes due 2028 (Details)Details66 falsefalseR67.htm9954511 - Disclosure - Income Taxes - Summary of Income Tax Contingencies (Details)Sheethttp://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetailsIncome Taxes - Summary of Income Tax Contingencies (Details)Details67 falsefalseR68.htm9954512 - Disclosure - Income Taxes - Narrative (Details)Sheethttp://www.semtech.com/role/IncomeTaxesNarrativeDetailsIncome Taxes - Narrative (Details)Details68 falsefalseR69.htm9954513 - Disclosure - Income Taxes - Liability For Uncertain Tax Positions (Details)Sheethttp://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetailsIncome Taxes - Liability For Uncertain Tax Positions (Details)Details69 falsefalseR70.htm9954514 - Disclosure - Income Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details)Sheethttp://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetailsIncome Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details)Details70 falsefalseR71.htm9954515 - Disclosure - Leases - Narrative (Details)Sheethttp://www.semtech.com/role/LeasesNarrativeDetailsLeases - Narrative (Details)Details71 falsefalseR72.htm9954516 - Disclosure - Leases - The Components of Lease Expense (Details)Sheethttp://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetailsLeases - The Components of Lease Expense (Details)Details72 falsefalseR73.htm9954517 - Disclosure - Leases - Supplemental Cash Flow Information (Details)Sheethttp://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetailsLeases - Supplemental Cash Flow Information (Details)Details73 falsefalseR74.htm9954518 - Disclosure - Leases - Supplemental Balance Sheet Information (Details)Sheethttp://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetailsLeases - Supplemental Balance Sheet Information (Details)Details74 falsefalseR75.htm9954519 - Disclosure - Leases - Maturity (Details)Sheethttp://www.semtech.com/role/LeasesMaturityDetailsLeases - Maturity (Details)Details75 falsefalseR76.htm9954520 - Disclosure - Commitments and Contingencies - Narrative (Details)Sheethttp://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetailsCommitments and Contingencies - Narrative (Details)Details76 falsefalseR77.htm9954521 - Disclosure - Commitments and Contingencies - Schedule of Liability for Deferred Compensation (Details)Sheethttp://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetailsCommitments and Contingencies - Schedule of Liability for Deferred Compensation (Details) (Details)Details77 falsefalseR78.htm9954522 - Disclosure - Commitments and Contingencies - Schedule of Other Assets (Details)Sheethttp://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetailsCommitments and Contingencies - Schedule of Other Assets

(Details)Details78 falsefalseR79.htm9954523 - Disclosure - Restructuring - Narrative (Details)Sheethttp://www.semtech.com/role/RestructuringNarrativeDetailsRestructuring - Narrative (Details)Details79 falsefalseR80.htm9954524 - Disclosure - Restructuring - Activity (Details)Sheethttp://www.semtech.com/role/RestructuringActivityDetailsRestructuring - Activity (Details)Details80 falsefalseR81.htm9954525 - Disclosure - Restructuring - Schedule of Restructuring Charges (Details)Sheethttp://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetailsRestructuring - Schedule of Restructuring Charges (Details)Details81 falsefalseR82.htm9954526 - Disclosure - Concentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net Sales During Period (Details)Sheethttp://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetailsConcentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net Sales During Period (Details)Details82 falsefalseR83.htm9954527 - Disclosure - Segment Information - Narrative (Details)Sheethttp://www.semtech.com/role/SegmentInformationNarrativeDetailsSegment Information - Narrative (Details)Details83 falsefalseR84.htm9954528 - Disclosure - Segment Information - Net Sales Activity by Segment (Details)Sheethttp://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetailsSegment Information - Net Sales Activity by Segment (Details)Details84 falsefalseR85.htm9954529 - Disclosure - Segment Information - Net Sales Activity by Geographic Region (Details)Sheethttp://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetailsSegment Information - Net Sales Activity by Geographic Region (Details)Details85 falsefalseR86.htm9954530 - Disclosure - Segment Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details)Sheethttp://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetailsSegment Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details)Details86 falsefalseR87.htm9954531 - Disclosure - Segment Information - Net Sales by Type (Details)Sheethttp://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetailsSegment Information - Net Sales by Type (Details)Details87 falsefalseR88.htm9954532 - Disclosure - Stock Repurchase Program - Narrative (Details)Sheethttp://www.semtech.com/role/StockRepurchaseProgramNarrativeDetailsStock Repurchase Program - Narrative (Details)Details88 falsefalseR89.htm9954533 - Disclosure - Derivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details)Sheethttp://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetailsDerivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details)Details89 falsefalseR90.htm9954534 - Disclosure - Derivatives and Hedging Activities - Narrative (Details)Sheethttp://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetailsDerivatives and Hedging Activities - Narrative (Details)Details90 falsefalseR91.htm9954535 - Disclosure - Derivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details)Sheethttp://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetailsDerivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details)Details91 falsefalseAll ReportsBookAll Reports smtc-20240728.htmsmtc-20240728.xsdsmtc-20240728_cal.xmlsmtc-20240728_def.xmlsmtc-20240728_lab.xmlsmtc-20240728_pre.xml http://fasb.org/us-gaap/2023http://xbrl.sec.gov/dei/2023http://xbrl.sec.gov/ecd/2023truetrue JSON 117 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "smtc-20240728.htm": { "nsprefix": "smtc", "nsuri": "http://www.semtech.com/20240728", "dts": { "inline": { "local": ["smtc-20240728.htm"] }, "schema": { "local": ["smtc-20240728.xsd"], "remote": ["http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd", "http://www.xbrl.org/2003/xbrl-linkbase-2003-12-31.xsd", "http://www.xbrl.org/2003/xl-2003-12-31.xsd", "http://www.xbrl.org/2003/xlink-2003-12-31.xsd", "http://www.xbrl.org/2005/xbrldt-2005.xsd", "http://www.xbrl.org/2006/ref-2006-02-27.xsd", "http://www.xbrl.org/lrr/role/negated-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/net-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/reference-2009-12-16.xsd", "https://www.xbrl.org/2020/extensible-enumerations-2.0.xsd", "https://www.xbrl.org/dtr/type/2020-01-21/types.xsd", "https://www.xbrl.org/dtr/type/2022-03-31/types.xsd", "https://xbrl.fasb.org/srt/2023/elts/srt-2023.xsd", "https://xbrl.fasb.org/srt/2023/elts/srt-roles-2023.xsd", "https://xbrl.fasb.org/srt/2023/elts/srt-types-2023.xsd", "https://xbrl.fasb.org/us-gaap/2023/elts/us-gaap-2023.xsd", "https://xbrl.fasb.org/us-gaap/2023/elts/us-roles-2023.xsd", "https://xbrl.fasb.org/us-gaap/2023/elts/us-types-2023.xsd", "https://xbrl.sec.gov/country/2023/country-2023.xsd", "https://xbrl.sec.gov/dei/2023/dei-2023.xsd", "https://xbrl.sec.gov/ecd/2023/ecd-2023.xsd"] }, "calculationLink": { "local": ["smtc-20240728_cal.xml"] }, "definitionLink": { "local": ["smtc-20240728_def.xml"] }, "labelLink": { "local": ["smtc-20240728_lab.xml"] }, "presentationLink": { "local": ["smtc-20240728_pre.xml"] } }, "keyStandard": 340, "keyCustom": 49, "axisStandard": 37, "axisCustom": 4, "memberStandard": 64, "memberCustom": 56, "hidden": { "total": 18, "http://fasb.org/us-gaap/2023": 11, "http://xbrl.sec.gov/dei/2023": 5, "http://www.semtech.com/20240728": 2 }, "contextCount": 460, "entityCount": 1, "segmentCount": 124, "elementCount": 771, "unitCount": 9, "baseTaxonomies": { "http://fasb.org/us-gaap/2023": 1247, "http://xbrl.sec.gov/dei/2023": 29, "http://xbrl.sec.gov/ecd/2023": 4 }, "report": { "R1": { "role": "http://www.semtech.com/role/CoverPage", "longName": "0000001 - Document - Cover Page", "shortName": "Cover Page", "isDefault": "true", "groupType": "document", "subGroupType": "", "menuCat": "Cover", "order": "1", "firstAnchor": { "contextRef": "c-1", "name": "dei:DocumentType", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "dei:DocumentType", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R2": { "role": "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "longName": "0000002 - Statement - Condensed Consolidated Statements of Income (unaudited)", "shortName": "Condensed Consolidated Statements of Income (unaudited)", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "2", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R3": { "role": "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "longName": "0000003 - Statement - Condensed Consolidated Statements Of Comprehensive Income (unaudited)", "shortName": "Condensed Consolidated Statements Of Comprehensive Income (unaudited)", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "3", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:ProfitLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R4": { "role": "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited", "longName": "0000004 - Statement - Condensed Consolidated Balance Sheets (unaudited)", "shortName": "Condensed Consolidated Balance Sheets (unaudited)", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "4", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R5": { "role": "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical", "longName": "0000005 - Statement - Condensed Consolidated Balance Sheets (unaudited) (Parenthetical)", "shortName": "Condensed Consolidated Balance Sheets (unaudited) (Parenthetical)", "isDefault": "false", "groupType": "statement", "subGroupType": "parenthetical", "menuCat": "Statements", "order": "5", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AllowanceForDoubtfulAccountsReceivableCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:AllowanceForDoubtfulAccountsReceivableCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R6": { "role": "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited", "longName": "0000006 - Statement - Consolidated Statements of Stockholders' Equity (unaudited)", "shortName": "Consolidated Statements of Stockholders' Equity (unaudited)", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "6", "firstAnchor": { "contextRef": "c-74", "name": "us-gaap:CommonStockSharesOutstanding", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-74", "name": "us-gaap:CommonStockSharesOutstanding", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R7": { "role": "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "longName": "0000007 - Statement - Condensed Consolidated Statements of Cash Flows (unaudited)", "shortName": "Condensed Consolidated Statements of Cash Flows (unaudited)", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "7", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ProfitLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DepreciationDepletionAndAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R8": { "role": "http://www.semtech.com/role/OrganizationandBasisofPresentation", "longName": "0000008 - Disclosure - Organization and Basis of Presentation", "shortName": "Organization and Basis of Presentation", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "8", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R9": { "role": "http://www.semtech.com/role/Acquisition", "longName": "0000009 - Disclosure - Acquisition", "shortName": "Acquisition", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "9", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:BusinessCombinationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:BusinessCombinationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R10": { "role": "http://www.semtech.com/role/LossperShare", "longName": "0000010 - Disclosure - Loss per Share", "shortName": "Loss per Share", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "10", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:EarningsPerShareTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:EarningsPerShareTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R11": { "role": "http://www.semtech.com/role/ShareBasedCompensation", "longName": "0000011 - Disclosure - Share-Based Compensation", "shortName": "Share-Based Compensation", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "11", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R12": { "role": "http://www.semtech.com/role/Availableforsalesecurities", "longName": "0000012 - Disclosure - Available-for-sale securities", "shortName": "Available-for-sale securities", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "12", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R13": { "role": "http://www.semtech.com/role/FairValueMeasurements", "longName": "0000013 - Disclosure - Fair Value Measurements", "shortName": "Fair Value Measurements", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "13", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:FairValueDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:FairValueDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true

```
} ], "R14": { "role": "http://www.semtech.com/role/Inventories", "longName": "0000014 - Disclosure - Inventories", "shortName": "Inventories", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "14", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:InventoryDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:InventoryDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R15": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssets", "longName": "0000015 - Disclosure - Goodwill and Intangible Assets", "shortName": "Goodwill and Intangible Assets", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "15", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:GoodwillAndIntangibleAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:GoodwillAndIntangibleAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R16": { "role": "http://www.semtech.com/role/LongTermDebt", "longName": "0000016 - Disclosure - Long-Term Debt", "shortName": "Long-Term Debt", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "16", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DebtDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DebtDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R17": { "role": "http://www.semtech.com/role/IncomeTaxes", "longName": "0000017 - Disclosure - Income Taxes", "shortName": "Income Taxes", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "17", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:IncomeTaxDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:IncomeTaxDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R18": { "role": "http://www.semtech.com/role/Leases", "longName": "0000018 - Disclosure - Leases", "shortName": "Leases", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "18", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:LesseeOperatingLeasesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:LesseeOperatingLeasesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R19": { "role": "http://www.semtech.com/role/CommitmentsandContingencies", "longName": "0000019 - Disclosure - Commitments and Contingencies", "shortName": "Commitments and Contingencies", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "19", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:CommitmentsAndContingenciesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:CommitmentsAndContingenciesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R20": { "role": "http://www.semtech.com/role/Restructuring", "longName": "0000020 - Disclosure - Restructuring", "shortName": "Restructuring", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "20", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:RestructuringAndRelatedActivitiesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:RestructuringAndRelatedActivitiesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R21": { "role": "http://www.semtech.com/role/ConcentrationofRisk", "longName": "0000021 - Disclosure - Concentration of Risk", "shortName": "Concentration of Risk", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "21", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ConcentrationRiskDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ConcentrationRiskDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R22": { "role": "http://www.semtech.com/role/SegmentInformation", "longName": "0000022 - Disclosure - Segment Information", "shortName": "Segment Information", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "22", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:SegmentReportingDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:SegmentReportingDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R23": { "role": "http://www.semtech.com/role/StockRepurchaseProgram", "longName": "0000023 - Disclosure - Stock Repurchase Program", "shortName": "Stock Repurchase Program", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "23", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:TreasuryStockTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:TreasuryStockTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R24": { "role": "http://www.semtech.com/role/DerivativesandHedgingActivities", "longName": "0000024 - Disclosure - Derivatives and Hedging Activities", "shortName": "Derivatives and Hedging Activities", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "24", "firstAnchor": { "contextRef": "c-434", "name": "us-gaap:DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-434", "name": "us-gaap:DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R25": { "role": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "longName": "995410 - Disclosure - Pay vs Performance Disclosure", "shortName": "Pay vs Performance Disclosure", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "25", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": null }, "R26": { "role": "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "longName": "995445 - Disclosure - Insider Trading Arrangements", "shortName": "Insider Trading Arrangements", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "26", "firstAnchor": { "contextRef": "c-3", "name": "ecd:Rule10b51ArrAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ecd:NonRule10b51ArrTrmntdFlag", "ecd:Rule10b51ArrTrmntdFlag", "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "ecd:Rule10b51ArrAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ecd:NonRule10b51ArrTrmntdFlag", "ecd:Rule10b51ArrTrmntdFlag", "span", "div", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R27": { "role": "http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy", "longName": "9954471 - Disclosure - Organization and Basis of Presentation (Policy)", "shortName": "Organization and Basis of Presentation (Policy)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "policies", "menuCat": "Policies", "order": "27", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:FiscalPeriod", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:FiscalPeriod", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R28": { "role": "http://www.semtech.com/role/AcquisitionTables", "longName": "9954472 - Disclosure - Acquisition (Tables)", "shortName": "Acquisition (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "28", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R29": { "role": "http://www.semtech.com/role/LossperShareTables", "longName": "9954473 - Disclosure - Loss per Share (Tables)", "shortName": "Loss per Share (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "29", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R30": { "role": "http://www.semtech.com/role/ShareBasedCompensationTables", "longName": "9954474 - Disclosure - Share-Based Compensation (Tables)", "shortName": "Share-Based Compensation (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "30", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R31": { "role": "http://www.semtech.com/role/AvailableforsalesecuritiesTables", "longName": "9954475 - Disclosure - Available-for-sale securities (Tables)", "shortName": "Available-for-sale securities (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "31", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R32": { "role": "http://www.semtech.com/role/FairValueMeasurementsTables", "longName": "9954476 - Disclosure - Fair Value Measurements (Tables)", "shortName": "Fair Value Measurements (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "32", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R33": { "role": "http://www.semtech.com/role/InventoriesTables", "longName": "9954477 - Disclosure - Inventories (Tables)", "shortName": "Inventories (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "33", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R34": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsTables", "longName": "9954478 - Disclosure - Goodwill and Intangible Assets (Tables)", "shortName": "Goodwill and Intangible Assets (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "34", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfGoodwillTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfGoodwillTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R35": { "role": "http://www.semtech.com/role/LongTermDebtTables", "longName": "9954479 - Disclosure - Long-Term Debt (Tables)", "shortName": "Long-Term Debt (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "35", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1",
```

"name": "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R36": { "role": "http://www.semtech.com/role/IncomeTaxesTables", "longName": "9954480 - Disclosure - Income Taxes (Tables)", "shortName": "Income Taxes (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "36", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:SummaryOfIncomeTaxContingenciesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:SummaryOfIncomeTaxContingenciesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R37": { "role": "http://www.semtech.com/role/LeasesTables", "longName": "9954481 - Disclosure - Leases (Tables)", "shortName": "Leases (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "37", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R38": { "role": "http://www.semtech.com/role/CommitmentsandContingenciesTables", "longName": "9954482 - Disclosure - Commitments and Contingencies (Tables)", "shortName": "Commitments and Contingencies (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "38", "firstAnchor": { "contextRef": "c-1", "name": "smtc:ScheduleOfLiabilityForDeferredCompensationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "smtc:ScheduleOfLiabilityForDeferredCompensationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R39": { "role": "http://www.semtech.com/role/RestructuringTables", "longName": "9954483 - Disclosure - Restructuring (Tables)", "shortName": "Restructuring (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "39", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R40": { "role": "http://www.semtech.com/role/ConcentrationofRiskTables", "longName": "9954484 - Disclosure - Concentration of Risk (Tables)", "shortName": "Concentration of Risk (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "40", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:SchedulesOfConcentrationOfRiskByRiskFactorTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:SchedulesOfConcentrationOfRiskByRiskFactorTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R41": { "role": "http://www.semtech.com/role/SegmentInformationTables", "longName": "9954485 - Disclosure - Segment Information (Tables)", "shortName": "Segment Information (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "41", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R42": { "role": "http://www.semtech.com/role/DerivativesandHedgingActivitiesTables", "longName": "9954486 - Disclosure - Derivatives and Hedging Activities (Tables)", "shortName": "Derivatives and Hedging Activities (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "42", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R43": { "role": "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails", "longName": "9954487 - Disclosure - Organization and Basis of Presentation (Details)", "shortName": "Organization and Basis of Presentation (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "43", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:CostOfGoodsAndServicesSoldAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-89", "name": "us-gaap:RestructuringCharges", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "us-gaap:UseOfEstimates", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R44": { "role": "http://www.semtech.com/role/AcquisitionNarrativeDetails", "longName": "9954488 - Disclosure - Acquisition - Narrative (Details)", "shortName": "Acquisition - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "44", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-93", "name": "us-gaap:PaymentsToAcquireBusinessesGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-8", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R45": { "role": "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails", "longName": "9954489 - Disclosure - Acquisition - Schedule of Measurement Period Adjustments (Details)", "shortName": "Acquisition - Schedule of Measurement Period Adjustments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "45", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-93", "name": "us-gaap:CashAcquiredFromAcquisition", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "td", "tr", "table", "div", "us-gaap:ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R46": { "role": "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails", "longName": "9954490 - Disclosure - Loss per Share - Computation of Basic and Diluted Earnings per Share (Details)", "shortName": "Loss per Share - Computation of Basic and Diluted Earnings per Share (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "46", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R47": { "role": "http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails", "longName": "9954491 - Disclosure - Share-Based Compensation - Allocation of Share-Based Compensation (Details)", "shortName": "Share-Based Compensation - Allocation of Share-Based Compensation (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "47", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R48": { "role": "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "longName": "9954492 - Disclosure - Share-Based Compensation - Narrative (Details)", "shortName": "Share-Based Compensation - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "48", "firstAnchor": { "contextRef": "c-126", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-126", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R49": { "role": "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails", "longName": "9954493 - Disclosure - Available-for-sale securities - Summary Of Investments (Details)", "shortName": "Available-for-sale securities - Summary Of Investments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "49", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AvailableForSaleSecuritiesDebtSecurities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:DebtSecuritiesAvailableForSaleAccumulatedGrossUnrealizedGainLossBeforeTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R50": { "role": "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails", "longName": "9954494 - Disclosure - Available-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details)", "shortName": "Available-for-sale securities - Summary of Maturities of Available-for-sale Securities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "50", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:InvestmentsClassifiedByContractualMaturityDateTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:InvestmentsClassifiedByContractualMaturityDateTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R51": { "role": "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails", "longName": "9954495 - Disclosure - Fair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details)", "shortName": "Fair Value Measurements - Financial Assets and Liabilities Measured and Recorded at Fair Value on a Recurring Basis (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "51", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AvailableForSaleSecuritiesDebtSecurities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-173", "name": "us-gaap:AssetsFairValueDisclosure", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R52": { "role": "http://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetails", "longName": "9954496 - Disclosure - Fair Value Measurements - Reconciliation of Changes in Debt Securities (Details)", "shortName": "Fair Value Measurements - Reconciliation of Changes in Debt Securities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "52", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:AvailableForSaleSecuritiesDebtSecurities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:FairValueAssetsMeasuredOnRecurringBasisTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:AvailableforsaleSecuritiesSoldAtPar", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:FairValueAssetsMeasuredOnRecurringBasisTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-

20240728.htm", "unique": true } }, "R53": { "role": "http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "longName": "9954497 - Disclosure - Fair Value Measurements - Carrying Value and Fair Value of Debt (Details)", "shortName": "Fair Value Measurements - Carrying Value and Fair Value of Debt (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "53", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LongTermDebtNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-185", "name": "us-gaap:DebtInstrumentFairValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R54": { "role": "http://www.semtech.com/role/FairValueMeasurementsInvestmentImpairmentsandCreditLossReservesDetails", "longName": "9954498 - Disclosure - Fair Value Measurements - Investment Impairments and Credit Loss Reserves (Details)", "shortName": "Fair Value Measurements - Investment Impairments and Credit Loss Reserves (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "54", "firstAnchor": { "contextRef": "c-14", "name": "smtc:DebtSecuritiesAllowanceForCreditLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-15", "name": "smtc:DebtSecuritiesAllowanceForCreditLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["smtc:DebtSecuritiesAllowanceForCreditLoss", "span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R55": { "role": "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails", "longName": "9954499 - Disclosure - Inventories - Summary of Inventories (Details)", "shortName": "Inventories - Summary of Inventories (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "55", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:InventoryRawMaterials", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:InventoryRawMaterials", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R56": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "longName": "9954500 - Disclosure - Goodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details)", "shortName": "Goodwill and Intangible Assets - Changes in Carrying Amounts of Goodwill (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "56", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:GoodwillForeignCurrencyTranslationGainLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfGoodwillTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R57": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "longName": "9954501 - Disclosure - Goodwill and Intangible Assets - Narrative (Details)", "shortName": "Goodwill and Intangible Assets - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "57", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:GoodwillImpairmentLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-197", "name": "us-gaap:GoodwillImpairmentLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R58": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "longName": "9954502 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details)", "shortName": "Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "58", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:FiniteLivedIntangibleAssetsGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAcquiredFiniteLivedIntangibleAssetsByMajorClassTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:FiniteLivedIntangibleAssetsGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAcquiredFiniteLivedIntangibleAssetsByMajorClassTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R59": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "longName": "9954503 - Disclosure - Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details)", "shortName": "Goodwill and Intangible Assets - Schedule of Finite-Lived Intangible Asset Amortization (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "59", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:AdjustmentForAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:AdjustmentForAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R60": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails", "longName": "9954504 - Disclosure - Goodwill and Intangible Assets - Schedule of Future Amortization Expense (Details)", "shortName": "Goodwill and Intangible Assets - Schedule of Future Amortization Expense (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "60", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R61": { "role": "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "longName": "9954505 - Disclosure - Goodwill and Intangible Assets - Schedule of Construction in Process (Details)", "shortName": "Goodwill and Intangible Assets - Schedule of Construction in Process (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "61", "firstAnchor": { "contextRef": "c-228", "name": "us-gaap:OtherFiniteLivedIntangibleAssetsGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-228", "name": "us-gaap:OtherFiniteLivedIntangibleAssetsGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R62": { "role": "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails", "longName": "9954506 - Disclosure - Long-Term Debt - Schedule of Long-term Debt (Details)", "shortName": "Long-Term Debt - Schedule of Long-term Debt (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "62", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DebtInstrumentCarryingAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:DebtInstrumentInterestRateEffectivePercentage", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "4", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R63": { "role": "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "longName": "9954507 - Disclosure - Long-Term Debt - Credit Agreement (Details)", "shortName": "Long-Term Debt - Credit Agreement (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "63", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DebtInstrumentCarryingAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-260", "name": "us-gaap:LineOfCreditFacilityMaximumBorrowingCapacity", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R64": { "role": "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "longName": "9954508 - Disclosure - Long-Term Debt - Convertible Senior Notes Due 2027 (Details)", "shortName": "Long-Term Debt - Convertible Senior Notes Due 2027 (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "64", "firstAnchor": { "contextRef": "c-301", "name": "us-gaap:PaymentsForDerivativeInstrumentFinancingActivities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-301", "name": "us-gaap:PaymentsForDerivativeInstrumentFinancingActivities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R65": { "role": "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails", "longName": "9954509 - Disclosure - Long-Term Debt - Schedule of Interest Expense (Details)", "shortName": "Long-Term Debt - Schedule of Interest Expense (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "65", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:InterestExpenseDebt", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:InterestIncomeAndInterestExpenseDisclosureTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:InterestExpenseDebt", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:InterestIncomeAndInterestExpenseDisclosureTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R66": { "role": "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "longName": "9954510 - Disclosure - Long-Term Debt - Convertible Senior Notes due 2028 (Details)", "shortName": "Long-Term Debt - Convertible Senior Notes due 2028 (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "66", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DebtInstrumentCarryingAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-312", "name": "us-gaap:LineOfCredit", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["us-gaap:LineOfCredit", "span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R67": { "role": "http://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetails", "longName": "9954511 - Disclosure - Income Taxes - Summary of Income Tax Contingencies (Details)", "shortName": "Income Taxes - Summary of Income Tax Contingencies (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "67", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:UnrecognizedTaxBenefits", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:SummaryOfIncomeTaxContingenciesTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-15", "name": "us-gaap:UnrecognizedTaxBenefits", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:SummaryOfIncomeTaxContingenciesTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R68": { "role": "http://www.semtech.com/role/IncomeTaxesNarrativeDetails", "longName": "9954512 - Disclosure - Income Taxes - Narrative (Details)", "shortName": "Income Taxes - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "68", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R69": { "role": "http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails", "longName": "9954513 - Disclosure - Income Taxes - Liability For Uncertain Tax Positions (Details)", "shortName": "Income Taxes - Liability For Uncertain Tax Positions (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "69", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LiabilityForUncertainTaxPositionsNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:LiabilityForUncertainTaxPositionsTableTextBlock", "ix:continuation", "body", "html"],

"reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:LiabilityForUncertainTaxPositionsNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:LiabilityForUncertainTaxPositionsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R70": { "role": "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails", "longName": "9954514 - Disclosure - Income Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details)", "shortName": "Income Taxes - Regional Income (Loss) From Continuing Operations Before Income Taxes (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "70", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R71": { "role": "http://www.semtech.com/role/LeasesNarrativeDetails", "longName": "9954515 - Disclosure - Leases - Narrative (Details)", "shortName": "Leases - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "71", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseRemainingLeaseTerm", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseRemainingLeaseTerm", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R72": { "role": "http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails", "longName": "9954516 - Disclosure - Leases - The Components of Lease Expense (Details)", "shortName": "Leases - The Components of Lease Expense (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "72", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:OperatingLeaseCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:OperatingLeaseCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R73": { "role": "http://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetails", "longName": "9954517 - Disclosure - Leases - Supplemental Cash Flow Information (Details)", "shortName": "Leases - Supplemental Cash Flow Information (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "73", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:OperatingLeasePayments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:OperatingLeasePayments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R74": { "role": "http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails", "longName": "9954518 - Disclosure - Leases - Supplemental Balance Sheet Information (Details)", "shortName": "Leases - Supplemental Balance Sheet Information (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "74", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseRightOfUseAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:AssetsAndLiabilitiesLesseeTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseRightOfUseAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:AssetsAndLiabilitiesLesseeTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R75": { "role": "http://www.semtech.com/role/LeasesMaturityDetails", "longName": "9954519 - Disclosure - Leases - Maturity (Details)", "shortName": "Leases - Maturity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "75", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R76": { "role": "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "longName": "9954520 - Disclosure - Commitments and Contingencies - Narrative (Details)", "shortName": "Commitments and Contingencies - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "76", "firstAnchor": { "contextRef": "c-328", "name": "us-gaap:LossContingencyEstimateOfPossibleLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-328", "name": "us-gaap:LossContingencyEstimateOfPossibleLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R77": { "role": "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails", "longName": "9954521 - Disclosure - Commitments and Contingencies - Schedule of Liability for Deferred Compensation (Details) (Details)", "shortName": "Commitments and Contingencies - Schedule of Liability for Deferred Compensation (Details) (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "77", "firstAnchor": { "contextRef": "c-333", "name": "us-gaap:DeferredCompensationLiabilityCurrentAndNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:ScheduleOfLiabilityForDeferredCompensationTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-333", "name": "us-gaap:DeferredCompensationLiabilityCurrentAndNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "smtc:ScheduleOfLiabilityForDeferredCompensationTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R78": { "role": "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails", "longName": "9954522 - Disclosure - Commitments and Contingencies - Schedule of Other Assets (Details)", "shortName": "Commitments and Contingencies - Schedule of Other Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "78", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:CashSurrenderValueOfLifeInsurance", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfOtherAssetsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:CashSurrenderValueOfLifeInsurance", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfOtherAssetsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R79": { "role": "http://www.semtech.com/role/RestructuringNarrativeDetails", "longName": "9954523 - Disclosure - Restructuring - Narrative (Details)", "shortName": "Restructuring - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "79", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RestructuringCharges", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": null }, "R80": { "role": "http://www.semtech.com/role/RestructuringActivityDetails", "longName": "9954524 - Disclosure - Restructuring - Activity (Details)", "shortName": "Restructuring - Activity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "80", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:RestructuringReserve", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-15", "name": "us-gaap:RestructuringReserve", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R81": { "role": "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails", "longName": "9954525 - Disclosure - Restructuring - Schedule of Restructuring Charges (Details)", "shortName": "Restructuring - Schedule of Restructuring Charges (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "81", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RestructuringCharges", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-109", "name": "us-gaap:RestructuringCharges", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R82": { "role": "http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails", "longName": "9954526 - Disclosure - Concentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net Sales During Period (Details)", "shortName": "Concentration of Risk - Schedule of Significant Customers Accounting for at Least 10% of Net Sales During Period (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "82", "firstAnchor": { "contextRef": "c-381", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-349", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:SchedulesOfConcentrationOfRiskByRiskFactorTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R83": { "role": "http://www.semtech.com/role/SegmentInformationNarrativeDetails", "longName": "9954527 - Disclosure - Segment Information - Narrative (Details)", "shortName": "Segment Information - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "83", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:NumberOfOperatingSegments", "unitRef": "segment", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:NumberOfOperatingSegments", "unitRef": "segment", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R84": { "role": "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "longName": "9954528 - Disclosure - Segment Information - Net Sales Activity by Segment (Details)", "shortName": "Segment Information - Net Sales Activity by Segment (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "84", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-357", "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R85": { "role": "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "longName": "9954529 - Disclosure - Segment Information - Net Sales Activity by Geographic Region (Details)", "shortName": "Segment Information - Net Sales Activity by Geographic Region (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "85", "firstAnchor": { "contextRef": "c-401", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-389", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R86": { "role": "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails", "longName": "9954530 - Disclosure - Segment Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details)", "shortName": "Segment

Information - Summary of Sales Activity to Countries that Represented Greater than 10% of Total Net Sales (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "86", "firstAnchor": { "contextRef": "c-401", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-405", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R87": { "role": "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails", "longName": "9954531 - Disclosure - Segment Information - Net Sales by Type (Details)", "shortName": "Segment Information - Net Sales by Type (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "87", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-413", "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R88": { "role": "http://www.semtech.com/role/StockRepurchaseProgramNarrativeDetails", "longName": "9954532 - Disclosure - Stock Repurchase Program - Narrative (Details)", "shortName": "Stock Repurchase Program - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "88", "firstAnchor": { "contextRef": "c-433", "name": "smtc:StockRepurchaseProgramIncreaseInAuthorizedAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["ix:continuation", "span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-433", "name": "smtc:StockRepurchaseProgramIncreaseInAuthorizedAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["ix:continuation", "span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } }, "R89": { "role": "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails", "longName": "9954533 - Disclosure - Derivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details)", "shortName": "Derivatives and Hedging Activities - Summary of Open Foreign Currency Contracts (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "89", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DerivativeNumberOfInstrumentsHeld", "unitRef": "instrument", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-436", "name": "us-gaap:DerivativeAssetNotionalAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R90": { "role": "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "longName": "9954534 - Disclosure - Derivatives and Hedging Activities - Narrative (Details)", "shortName": "Derivatives and Hedging Activities - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "90", "firstAnchor": { "contextRef": "c-241", "name": "us-gaap:DerivativeFixedInterestRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-459", "name": "us-gaap:GainLossOnDerivativeInstrumentsNetPretax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["ix:continuation", "span", "div", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "unique": true } }, "R91": { "role": "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "longName": "9954535 - Disclosure - Derivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details)", "shortName": "Derivatives and Hedging Activities - Summary of the Carrying Values of Derivative Instruments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "91", "firstAnchor": { "contextRef": "c-445", "name": "us-gaap:DerivativeFairValueOfDerivativeAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-445", "name": "us-gaap:DerivativeFairValueOfDerivativeAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "smtc-20240728.htm", "first": true, "unique": true } } }, "tag": { "us-gaap_AccountsPayableTradeCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccountsPayableTradeCurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable", "label": "Accounts Payable, Trade, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r22", "r24"] }, "us-gaap_AccountsReceivableMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccountsReceivableMember", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounts Receivable", "label": "Accounts Receivable [Member]", "documentation": "Due from customers or clients for goods or services that have been delivered or sold." } } }, "auth_ref": ["r822"] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accounts receivable, less allowances of $5,580 and $4,161, respectively", "label": "Accounts Receivable, after Allowance for Credit Loss, Current", "documentation": "Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current." } } }, "auth_ref": ["r341", "r342"] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accrued liabilities", "label": "Accrued Liabilities, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r26"] }, "us-gaap_AccruedLiabilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccruedLiabilitiesMember", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued liabilities", "label": "Accrued Liabilities [Member]", "documentation": "This item represents obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered." } } }, "auth_ref": ["r26"] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated depreciation", "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } }, "auth_ref": ["r77", "r226", "r681"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated other comprehensive loss, net", "label": "Accumulated Other Comprehensive Income (Loss), Net of Tax", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } }, "auth_ref": ["r37", "r38", "r154", "r232", "r677", "r718", "r722"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive Income (Loss), Net", "label": "AOCI Attributable to Parent [Member]", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r2", "r13", "r38", "r578", "r581", "r624", "r713", "r714", "r990", "r991", "r992", "r1000", "r1001", "r1002"] }, "ecd_Additional402vDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "Additional402vDisclosureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Additional 402(v) Disclosure", "label": "Additional 402(v) Disclosure [Text Block]" } } }, "auth_ref": ["r932"] }, "us-gaap_AdditionalPaidInCapitalCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Additional paid-in capital", "label": "Additional Paid-in Capital, Common Stock", "documentation": "Value received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital." } } }, "auth_ref": ["r145"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Additional Paid-in Capital", "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r535", "r536", "r537", "r734", "r1000", "r1001", "r1002", "r1075", "r1097"] }, "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AdjToCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation, Amount", "label": "Adjustment to Compensation Amount" } } }, "auth_ref": ["r938"] }, "ecd_AdjToCompAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AdjToCompAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation:", "label": "Adjustment to Compensation [Axis]" } } }, "auth_ref": ["r938"] }, "ecd_AdjToNonPeoNeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AdjToNonPeoNeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Non-PEO NEO Compensation Footnote", "label": "Adjustment to Non-PEO NEO Compensation Footnote [Text Block]" } } }, "auth_ref": ["r938"] }, "ecd_AdjToPeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AdjToPeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment To PEO Compensation, Footnote", "label": "Adjustment To PEO Compensation, Footnote [Text Block]" } } }, "auth_ref": ["r938"] }, "us-gaap_AdjustmentForAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AdjustmentForAmortization", "crdr": "debit", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total amortization expense", "label": "Amortization", "documentation": "The aggregate amount of recurring noncash expense charged against earnings in the period to allocate the cost of assets over their estimated remaining economic lives." } } }, "auth_ref": ["r10", "r76"] }, "us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue", "crdr": "credit", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Share-based compensation", "label": "APIC, Share-Based Payment Arrangement, Increase for Cost Recognition", "documentation": "Amount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement." } } }, "auth_ref": ["r93", "r94", "r501"] }, "us-

gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Adjustments to reconcile net loss to net cash used in operating activities:", "label": "Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract]" } } }, "auth_ref": [] }, "smtc_AdvancedProtectionAndSensingProductsGroupMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "AdvancedProtectionAndSensingProductsGroupMember", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Analog Mixed Signal and Wireless", "label": "Advanced Protection And Sensing Products Group [Member]", "documentation": "Advanced Protection And Sensing Products Group" } } }, "auth_ref": [] }, "ecd_AggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AggtErrCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Erroneous Compensation Amount", "label": "Aggregate Erroneous Compensation Amount" } } }, "auth_ref": ["r903", "r914", "r924", "r949"] }, "ecd_AggtErrCompNotYetDeterminedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AggtErrCompNotYetDeterminedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Erroneous Compensation Not Yet Determined", "label": "Aggregate Erroneous Compensation Not Yet Determined [Text Block]" } } }, "auth_ref": ["r906", "r917", "r927", "r952"] }, "ecd_AllAdjToCompMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AllAdjToCompMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Adjustments to Compensation", "label": "All Adjustments to Compensation [Member]" } } }, "auth_ref": ["r938"] }, "ecd_AllExecutiveCategoriesMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AllExecutiveCategoriesMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Executive Categories", "label": "All Executive Categories [Member]" } } }, "auth_ref": ["r945"] }, "ecd_AllIndividualsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AllIndividualsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Individuals", "label": "All Individuals [Member]" } } }, "auth_ref": ["r910", "r918", "r928", "r945", "r953", "r957", "r965"] }, "ecd_AllTradingArrangementsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AllTradingArrangementsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "All Trading Arrangements", "label": "All Trading Arrangements [Member]" } } }, "auth_ref": ["r963"] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Share-based compensation expense", "label": "Share-Based Payment Arrangement, Expense", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r531", "r538"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AllowanceForDoubtfulAccountsReceivableCurrent", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Allowance for doubtful accounts, receivables", "label": "Accounts Receivable, Allowance for Credit Loss, Current", "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current." } } }, "auth_ref": ["r233", "r343", "r383"] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "AmendmentFlag", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Amendment Flag", "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission." } } }, "auth_ref": [] }, "us-gaap_AmortizationOfDebtDiscountPremium": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AmortizationOfDebtDiscountPremium", "crdr": "debit", "calculation": { "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails": { "parentTag": "us-gaap_InterestIncomeExpenseNonoperatingNet", "weight": -1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of deferred financing costs", "label": "Amortization of Debt Discount (Premium)", "documentation": "Amount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. Excludes amortization of financing costs. Alternate captions include noncash interest expense." } } }, "auth_ref": ["r10", "r133", "r163", "r475"] }, "us-gaap_AmortizationOfFinancingCostsAndDiscounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AmortizationOfFinancingCostsAndDiscounts", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 17.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accretion of deferred financing costs", "label": "Amortization of Debt Issuance Costs and Discounts", "documentation": "Amount of amortization expense attributable to debt discount (premium) and debt issuance costs." } } }, "auth_ref": ["r475", "r606", "r861", "r862", "r995"] }, "us-gaap_AmortizationOfIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AmortizationOfIntangibleAssets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Intangible amortization", "label": "Amortization of Intangible Assets", "documentation": "The aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method." } } }, "auth_ref": ["r10", "r72", "r76"] }, "smtc_AmortizationOfInventoryStepUp": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "AmortizationOfInventoryStepUp", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 10.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of inventory step-up", "label": "Amortization Of Inventory Step-Up", "documentation": "Amortization Of Inventory Step-Up" } } }, "auth_ref": [] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Anti-dilutive shares not included in the above calculations (in shares)", "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": ["r302"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Antidilutive Securities [Axis]", "label": "Antidilutive Securities [Axis]", "documentation": "Information by type of antidilutive security." } } }, "auth_ref": ["r52"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]", "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_AntidilutiveSecuritiesNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AntidilutiveSecuritiesNameDomain", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Antidilutive Securities, Name [Domain]", "label": "Antidilutive Securities, Name [Domain]", "documentation": "Incremental common shares attributable to securities that were not included in diluted earnings per share (EPS) because to do so would increase EPS amounts or decrease loss per share amounts for the period presented." } } }, "auth_ref": ["r52"] }, "srt_AsiaPacificMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "AsiaPacificMember", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Asia-Pacific", "label": "Asia Pacific [Member]" } } }, "auth_ref": ["r1099", "r1100", "r1101", "r1102"] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "Assets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "TOTAL ASSETS", "label": "Assets", "documentation": "Sum of the carrying amounts as of the balance sheet date of all assets that are recognized. Assets are probable future economic benefits obtained or controlled by an entity as a result of past transactions or events." } } }, "auth_ref": ["r200", "r230", "r267", "r311", "r326", "r332", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r569", "r573", "r598", "r673", "r766", "r878", "r894", "r1040", "r1041", "r1083"] }, "us-gaap_AssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AssetsAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Assets", "label": "Assets [Abstract]" } } }, "auth_ref": [] }, "smtc_AssetsAndLiabilitiesLesseeTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "AssetsAndLiabilitiesLesseeTableTextBlock", "presentation": ["http://www.semtech.com/role/LeasesTables"], "lang": { "en-us": { "role": { "terseLabel": "Assets And Liabilities, Lessee", "label": "Assets And Liabilities, Lessee [Table Text Block]", "documentation": "Assets And Liabilities, Lessee [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_AssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AssetsCurrent", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total current assets", "label": "Assets, Current", "documentation": "Sum of the carrying amounts as of the balance sheet date of all assets that are expected to be realized in cash, sold, or consumed within one year (or the normal operating cycle, if longer). Assets are probable future economic benefits obtained or controlled by an entity as a result of past transactions or events." } } }, "auth_ref": ["r222", "r237", "r267", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r569", "r573", "r598", "r878", "r1040", "r1041", "r1083"] }, "us-gaap_AssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AssetsCurrentAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Current assets:", "label": "Assets, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AssetsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AssetsFairValueDisclosure", "crdr": "debit", "calculation": { "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total financial assets", "label": "Assets, Fair Value Disclosure", "documentation": "Fair value portion of probable future economic benefits obtained or controlled by an entity as a result of past transactions or events." } } }, "auth_ref": ["r129"] }, "us-gaap_AssetsNoncurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AssetsNoncurrentAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Non-current assets:", "label": "Assets, Noncurrent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleDebtSecuritiesAmortizedCostBasis", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails", "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total available-for-sale securities", "label": "Debt Securities, Available-for-Sale, Amortized Cost", "documentation": "Amortized cost of investment in debt security measured at fair value with

change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r347", "r389", "r672"] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesAfterOneThroughFiveYearsFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesAfterOneThroughFiveYearsFairValue", "crdr": "debit", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "After 1 year through 5 years", "label": "Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, after Year One Through Five", "documentation": "Fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in second through fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r355", "r670"] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesAmortizedCostAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesAmortizedCostAbstract", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortized\u00a0Cost", "label": "Debt Securities, Available-for-Sale, Amortized Cost, Fiscal Year Maturity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesFairValueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesFairValueAbstract", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair\u00a0Value", "label": "Debt Securities, Available-for-Sale, Fair Value, Fiscal Year Maturity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesNextRollingTwelveMonthsAmortizedCostBasis": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesNextRollingTwelveMonthsAmortizedCostBasis", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails": { "parentTag": "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Within 1 year", "label": "Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost", "documentation": "Amortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date." } } }, "auth_ref": ["r1011"] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesRollingYearTwoThroughFiveAmortizedCostBasis": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesRollingYearTwoThroughFiveAmortizedCostBasis", "crdr": "debit", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "After 1 year through 5 years", "label": "Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost", "documentation": "Amortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year through fifth year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date." } } }, "auth_ref": ["r1012"] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails": { "parentTag": "us-gaap_AvailableForSaleSecuritiesDebtSecurities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Within 1 year", "label": "Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One", "documentation": "Fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r354", "r669"] }, "us-gaap_AvailableForSaleSecuritiesDebtSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableForSaleSecuritiesDebtSecurities", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails": { "parentTag": "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis", "weight": 1.0, "order": 1.0 }, "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails": { "parentTag": "us-gaap_AssetsFairValueDisclosure", "weight": 1.0, "order": 1.0 }, "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails", "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryofMaturitiesofAvailableforsaleSecuritiesDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails", "http://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair\u00a0Value", "totalLabel": "Total available-for-sale securities", "verboseLabel": "Convertible debt investments", "periodStartLabel": "Balance at January 28, 2024", "periodEndLabel": "Balance at July 28, 2024", "label": "Debt Securities, Available-for-Sale", "documentation": "Amount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r348", "r389", "r662", "r1008"] }, "us-gaap_AvailableforsaleSecuritiesSoldAtPar": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AvailableforsaleSecuritiesSoldAtPar", "crdr": "debit", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Sales", "label": "Debt Securities, Available-for-Sale, Sold at Par Value", "documentation": "Amount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with interest rate reset through auction process, sold at par value." } } }, "auth_ref": [] }, "ecd_AwardExrcPrice": { "xbrltype": "perShareItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardExrcPrice", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Exercise Price", "label": "Award Exercise Price" } } }, "auth_ref": ["r960"] }, "ecd_AwardGrantDateFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardGrantDateFairValue", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value as of Grant Date", "label": "Award Grant Date Fair Value" } } }, "auth_ref": ["r961"] }, "ecd_AwardTmgDiscLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgDiscLineItems", "lang": { "en-us": { "role": { "terseLabel": "Award Timing Disclosures [Line Items]" } } }, "auth_ref": ["r956"] }, "ecd_AwardTmgHowMnpiCnsdrdTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgHowMnpiCnsdrdTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Timing, How MNPI Considered", "label": "Award Timing, How MNPI Considered [Text Block]" } } }, "auth_ref": ["r956"] }, "ecd_AwardTmgMethodTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgMethodTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Timing Method", "label": "Award Timing Method [Text Block]" } } }, "auth_ref": ["r956"] }, "ecd_AwardTmgMnpiCnsdrdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgMnpiCnsdrdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Timing MNPI Considered", "label": "Award Timing MNPI Considered [Flag]" } } }, "auth_ref": ["r956"] }, "ecd_AwardTmgMnpiDiscTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgMnpiDiscTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Timing MNPI Disclosure", "label": "Award Timing MNPI Disclosure [Text Block]" } } }, "auth_ref": ["r956"] }, "ecd_AwardTmgPredtrmndFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardTmgPredtrmndFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Timing Predetermined", "label": "Award Timing Predetermined [Flag]" } } }, "auth_ref": ["r956"] }, "us-gaap_AwardTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "AwardTypeAxis", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Type [Axis]", "label": "Award Type [Axis]", "documentation": "Information by type of award under share-based payment arrangement." } } }, "auth_ref": ["r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530"] }, "ecd_AwardUndrlygSecuritiesAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardUndrlygSecuritiesAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Underlying Securities", "label": "Award Underlying Securities Amount" } } }, "auth_ref": ["r959"] }, "ecd_AwardsCloseToMnpiDiscIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardsCloseToMnpiDiscIndName", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Awards Close in Time to MNPI Disclosures, Individual Name" } } }, "auth_ref": ["r958"] }, "ecd_AwardsCloseToMnpiDiscTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardsCloseToMnpiDiscTable", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Awards Close in Time to MNPI Disclosures", "label": "Awards Close in Time to MNPI Disclosures [Table]" } } }, "auth_ref": ["r957"] }, "ecd_AwardsCloseToMnpiDiscTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "AwardsCloseToMnpiDiscTableTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Awards Close in Time to MNPI Disclosures, Table", "label": "Awards Close in Time to MNPI Disclosures [Table Text Block]" } } }, "auth_ref": ["r957"] }, "us-gaap_BalanceSheetLocationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BalanceSheetLocationAxis", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails", "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Balance Sheet Location [Axis]", "label": "Balance Sheet Location [Axis]", "documentation": "Information by location on balance sheet (statement of financial position)." } } }, "auth_ref": [] }, "us-gaap_BalanceSheetLocationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BalanceSheetLocationDomain", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails", "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Balance Sheet Location [Domain]", "label": "Balance Sheet Location [Domain]", "documentation": "Location in the balance sheet (statement of financial position)." } } }, "auth_ref": ["r116", "r121"] }, "us-gaap_BaseRateMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BaseRateMember", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Base Rate", "label": "Base Rate [Member]", "documentation": "Minimum rate investor will accept." } } }, "auth_ref": [] }, "us-gaap_BridgeLoanMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BridgeLoanMember", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Bridge Loan", "label": "Bridge Loan [Member]", "documentation": "Financing which is expected to be replaced by a medium to long-term loan. The loan \"bridges\" the gap in time when otherwise no financing would be in place." } } }, "auth_ref": [] }, "us-gaap_BusinessAcquisitionAcquireeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessAcquisitionAcquireeDomain", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Acquisition, Acquiree [Domain]", "label": "Business Acquisition, Acquiree [Domain]", "documentation": "Identification of the acquiree in a material business combination (or series of individually immaterial business combinations), which may include the name or other type of identification of the acquiree." } } }, "auth_ref": ["r565", "r870", "r871"] }, "us-gaap_BusinessAcquisitionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessAcquisitionAxis", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails",

```
"http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Business Acquisition [Axis]", "label": "Business Acquisition [Axis]", "documentation": "Information by business combination or series of individually immaterial business combinations." } } }, "auth_ref": [ "r96", "r97", "r565", "r870", "r871" ] }, "us-gaap_BusinessAcquisitionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessAcquisitionLineItems", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Business Acquisition [Line Items]", "label": "Business Acquisition [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r565" ] }, "us-gaap_BusinessCombinationAndAssetAcquisitionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationAndAssetAcquisitionAbstract", "lang": { "en-us": { "role": { "label": "Business Combination and Asset Acquisition [Abstract]" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/Acquisition" ], "lang": { "en-us": { "role": { "terseLabel": "Acquisitions", "label": "Business Combination Disclosure [Text Block]", "documentation": "The entire disclosure for a business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable)." } } }, "auth_ref": [ "r190", "r566" ] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentAccountsPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentAccountsPayable", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": 1.0, "order": 7.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, accounts payable", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accounts Payable", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accounts Payable" } } }, "auth_ref": [] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentAccruedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentAccruedLiabilities", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, accrued liabilities", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accrued Liabilities", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Accrued Liabilities" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "negatedTotalLabel": "Measurement period adjustment, net assets acquired, excluding goodwill", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Consideration Transferred", "documentation": "This element represents the amount of any measurement period adjustment (as defined) realized during the reporting period to items of consideration transferred in connection with a business combination for which the initial accounting was incomplete." } } }, "auth_ref": [ "r100" ] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentDeferredTaxLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentDeferredTaxLiabilities", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, deferred tax liabilities", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Deferred Tax Liabilities", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Deferred Tax Liabilities" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentInventory": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentInventory", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": -1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, inventories", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Inventory", "documentation": "This element represents the amount of any measurement period adjustment (as defined) realized during the reporting period to inventory acquired in connection with a business combination for which the initial accounting was incomplete." } } }, "auth_ref": [ "r100" ] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentNoncurrentLiabilitiesOther": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentNoncurrentLiabilitiesOther", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, other long-term liabilities", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Noncurrent Liabilities, Other", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Noncurrent Liabilities, Other" } } }, "auth_ref": [] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentOtherAssetsCurrent", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": -1.0, "order": 8.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Increase to related insurance receivables recorded in other current assets", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Other Assets, Current", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Other Assets, Current" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentPropertyPlantAndEquipment", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": -1.0, "order": 6.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, property, plant, and equipment", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Adjustment, Property, Plant, and Equipment", "documentation": "This element represents the amount of any measurement period adjustment (as defined) realized during the reporting period to property, plant, and equipment acquired in connection with a business combination for which the initial accounting was incomplete." } } }, "auth_ref": [ "r100" ] }, "smtc_BusinessCombinationProvisionalInformationInitialAccountingIncompleteDeferredTaxAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationProvisionalInformationInitialAccountingIncompleteDeferredTaxAssets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationProvisionalInformationInitialAccountingIncompleteAdjustmentConsiderationTransferred", "weight": -1.0, "order": 5.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment, deferred tax assets", "label": "Business Combination, Provisional Information, Initial Accounting Incomplete, Deferred Tax Assets", "documentation": "Business Combination, Provisional Information, Initial Accounting Incomplete, Deferred Tax Assets" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsOther": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsOther", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 7.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other current assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Other", "documentation": "Amount of other assets expected to be realized or consumed before one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": [ "r99" ] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsReceivables": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsReceivables", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Accounts receivable, net", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Receivables", "documentation": "Amount due from customers or clients for goods or services, including trade receivables, that have been delivered or sold in the normal course of business, and amounts due from others, including related parties expected to be converted to cash, sold or exchanged within one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": [ "r99" ] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccountsPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccountsPayable", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": -1.0, "order": 9.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable", "documentation": "Amount of liabilities incurred for goods and services received that are used in an entity's business and related party payables, assumed at the acquisition date." } } }, "auth_ref": [ "r99" ] }, "smtc_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccruedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccruedLiabilities", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": -1.0, "order": 12.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Accrued liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accrued Liabilities", "documentation": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accrued Liabilities" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedDeferredTaxAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedDeferredTaxAssets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 5.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Deferred tax assets", "label": "Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Assets", "documentation": "Amount of deferred tax asset attributable to
```

{"deductible temporary differences and carryforwards acquired at the acquisition date." }] }, "auth_ref": ["r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedDeferredTaxLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedDeferredTaxLiabilities", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": -1.0, "order": 11.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred tax liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Liabilities", "documentation": "Amount of deferred tax liability attributable to taxable temporary differences assumed at the acquisition date." } } }, "auth_ref": ["r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIntangibleAssetsOtherThanGoodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIntangibleAssetsOtherThanGoodwill", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Intangible assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill", "documentation": "Amount of intangible assets, excluding goodwill, acquired at the acquisition date." } } }, "auth_ref": ["r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedInventory": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedInventory", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Inventory", "documentation": "The amount of inventory recognized as of the acquisition date." } } }, "auth_ref": ["r98", "r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Net assets acquired, excluding goodwill", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net", "documentation": "Amount recognized as of the acquisition date for the identifiable assets acquired in excess of (less than) the aggregate liabilities assumed." } } }, "auth_ref": ["r98", "r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOther": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOther", "crdr": "credit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other", "documentation": "Amount of other liabilities due after one year or the normal operating cycle, if longer, assumed at the acquisition date." } } }, "auth_ref": ["r99"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOtherNoncurrentAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOtherNoncurrentAssets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets", "documentation": "Amount of other assets expected to be realized or consumed after one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": ["r99"] }, "smtc_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPrepaidTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPrepaidTaxes", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 10.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Prepaid taxes", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Prepaid Taxes", "documentation": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Prepaid Taxes" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment", "crdr": "debit", "calculation": { "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 8.0 } }, "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property, plant and equipment", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment", "documentation": "The amount of property, plant, and equipment recognized as of the acquisition date." } } }, "auth_ref": ["r98", "r99"] }, "us-gaap_CapitalExpendituresIncurredButNotYetPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CapitalExpendituresIncurredButNotYetPaid", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable related to capital expenditures", "label": "Capital Expenditures Incurred but Not yet Paid", "documentation": "Future cash outflow to pay for purchases of fixed assets that have occurred." } } }, "auth_ref": ["r49", "r50", "r51"] }, "smtc_CapitalizedDevelopmentCostsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "CapitalizedDevelopmentCostsMember", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Capitalized Development Costs", "label": "Capitalized Development Costs [Member]", "documentation": "Capitalized Development Costs" } } }, "auth_ref": [] }, "us-gaap_CashAcquiredFromAcquisition": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CashAcquiredFromAcquisition", "crdr": "debit", "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash Acquired from Acquisition", "label": "Cash Acquired from Acquisition", "documentation": "The cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business)." } } }, "auth_ref": ["r41"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Cash and cash equivalents", "label": "Cash and Cash Equivalents, at Carrying Value", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r47", "r225", "r839"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "periodStartLabel": "Cash and cash equivalents at beginning of period", "periodEndLabel": "Cash and cash equivalents at end of period", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r47", "r168", "r265"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net decrease in cash and cash equivalents", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r1", "r168"] }, "us-gaap_CashSurrenderValueOfLifeInsurance": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CashSurrenderValueOfLifeInsurance", "crdr": "debit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total cash surrender value of corporate-owned life insurance", "label": "Cash Surrender Value of Life Insurance", "documentation": "Carrying amount as of the balance sheet date of amounts which could be received based on the terms of the insurance contract upon surrendering life policies owned by the entity." } } }, "auth_ref": ["r986"] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Changed Peer Group, Footnote", "label": "Changed Peer Group, Footnote [Text Block]" } } }, "auth_ref": ["r936"] }, "smtc_ChinaIncludingHongKongMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ChinaIncludingHongKongMember", "presentation": ["http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "China (including Hong Kong)", "label": "China Including Hong Kong [Member]", "documentation": "China (including Hong Kong) [Member]" } } }, "auth_ref": [] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "CityAreaCode", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "City Area Code", "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "smtc_ClassOfWarrantOrRightAndDebtInstrumentNetCashPremium": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ClassOfWarrantOrRightAndDebtInstrumentNetCashPremium", "crdr": "debit", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details"], "lang": { "en-us": { "role": { "terseLabel": "Net cash premium", "label": "Class Of Warrant Or Right And Debt Instrument, Net Cash Premium", "documentation": "Class Of Warrant Or Right And Debt Instrument, Net Cash Premium" } } }, "auth_ref": [] }, "us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details"], "lang": { "en-us": { "role": { "terseLabel": "Exercise price of warrants or rights (in dollars per share)", "label": "Class of Warrant or Right, Exercise Price of Warrants or Rights", "documentation": "Exercise price per share or per unit of warrants or rights outstanding." } } }, "auth_ref": ["r486"] }, "us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights", "presentation": [

```
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details" ], "lang": { "en-us": { "role": { "terseLabel": "Number of securities called by warrants (in shares)", "label": "Class of Warrant or Right, Number of Securities Called by Warrants or Rights", "documentation": "Number of securities into which the class of warrant or right may be converted. For example, but not limited to, 500,000 warrants may be converted into 1,000,000 shares." } } }, "auth_ref": [ "r486" ] },
"ecd_CoSelectedMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "CoSelectedMeasureAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Amount", "label": "Company Selected Measure Amount" }
} }, "auth_ref": [ "r937" ] },
"ecd_CoSelectedMeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname":
"CoSelectedMeasureName", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Name",
"label": "Company Selected Measure Name" } } }, "auth_ref": [ "r937" ] },
"us-gaap_CommitmentsAndContingencies": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "CommitmentsAndContingencies", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 6.0 } },
"presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Commitments and
contingencies (Note 12)", "label": "Commitments and Contingencies", "documentation": "Represents the caption on the face of the balance sheet to indicate that the entity has
entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or,
less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains
from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur." } } }, "auth_ref": [ "r32", "r137",
"r675", "r753" ] },
"us-gaap_CommitmentsAndContingenciesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CommitmentsAndContingenciesDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies Disclosure [Abstract]", "label":
"Commitments and Contingencies Disclosure [Abstract]" } } }, "auth_ref": [] },
"us-gaap_CommitmentsAndContingenciesDisclosureTextBlock": { "xbrltype":
"textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CommitmentsAndContingenciesDisclosureTextBlock", "presentation": [
"http://www.semtech.com/role/CommitmentsandContingencies" ], "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies", "label": "Commitments and
Contingencies Disclosure [Text Block]", "documentation": "The entire disclosure for commitments and contingencies." } } }, "auth_ref": [ "r176", "r431", "r432", "r823",
"r1033" ] },
"us-gaap_CommitmentsAndContingenciesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CommitmentsAndContingenciesPolicyTextBlock", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy" ], "lang": { "en-us": { "role": {
"terseLabel": "Commitments and Contingencies", "label": "Commitments and Contingencies, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for
commitments and contingencies, which may include policies for recognizing and measuring loss and gain contingencies." } } }, "auth_ref": [ "r81", "r824" ] },
"smtc_CommitmentsandContingenciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"CommitmentsandContingenciesLineItems", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Commitments and Contingencies [Line Items]", "label": "Commitments and Contingencies [Line Items]", "documentation": "Commitments and Contingencies
[Line Items]" } } }, "auth_ref": [] },
"us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CommonStockMember", "presentation": [ "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel":
"Common Stock", "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": [ "r881", "r882", "r883",
"r885", "r886", "r887", "r890", "r1000", "r1001", "r1075", "r1095", "r1097" ] },
"us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "CommonStockParOrStatedValuePerShare", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Common stock, par value (in
dollars per share)", "label": "Common Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": [
"r144" ] },
"us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CommonStockSharesAuthorized",
"presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Common stock,
shares authorized (in shares)", "label": "Common Stock, Shares Authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's
charter and bylaws." } } }, "auth_ref": [ "r144", "r754" ] },
"us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "CommonStockSharesIssued", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical" ], "lang": { "en-us":
{ "role": { "terseLabel": "Common stock, shares issued (in shares)", "label": "Common Stock, Shares, Issued", "documentation": "Total number of common shares of an entity
that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested
by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the
treasury." } } }, "auth_ref": [ "r144" ] },
"us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CommonStockSharesOutstanding", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical",
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares outstanding (in
shares)", "periodStartLabel": "Beginning balance (in shares)", "periodEndLabel": "Ending balance (in shares)", "label": "Common Stock, Shares, Outstanding",
"documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": [ "r14", "r144",
"r754", "r772", "r1097", "r1098" ] },
"us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CommonStockValue", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-
gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us":
{ "role": { "terseLabel": "Common stock, $0.01 par value, 250,000,000 shares authorized, 88,514,575 issued and 75,118,173 outstanding and 78,136,144 issued and
64,415,861 outstanding, respectively", "label": "Common Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or
common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable
common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": [ "r144", "r676", "r878" ] },
"ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname":
"CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Compensation
Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]" } } }, "auth_ref": [ "r942" ] },
"ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname":
"CompActuallyPaidVsNetIncomeTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually
Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]" } } }, "auth_ref": [ "r941" ] },
"ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid
vs. Other Measure [Text Block]" } } }, "auth_ref": [ "r943" ] },
"ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2023", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-
us": { "role": { "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]" } } },
"auth_ref": [ "r940" ] },
"us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": {
"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive loss
attributable to common stockholders", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "documentation": "Amount after tax of increase (decrease)
in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity
resulting from investments by owners and distributions to owners." } } }, "auth_ref": [ "r39", "r246", "r248", "r256", "r666", "r691" ] },
"us-
gaap_ComprehensiveIncomeNetOfTaxAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"ComprehensiveIncomeNetOfTaxAbstract", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": {
"en-us": { "role": { "terseLabel": "Other comprehensive (loss) income, net:", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract]" } } },
"auth_ref": [] },
"us-gaap_ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight":
-1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": {
"terseLabel": "Comprehensive loss attributable to noncontrolling interest", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest",
"documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income (loss) and other comprehensive
income (loss), attributable to noncontrolling interests. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": [ "r7",
"r106", "r110", "r246", "r248", "r255", "r665", "r690" ] },
"us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "crdr":
"credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-
gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive loss",
"label": "Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest", "documentation": "Amount after tax of increase (decrease) in
equity from transactions and other events and circumstances from net income and other comprehensive income. Excludes changes in equity resulting from investments by
owners and distributions to owners." } } }, "auth_ref": [ "r110", "r193", "r246", "r248", "r254", "r664", "r689" ] },
"us-gaap_ConcentrationRiskBenchmarkDomain": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": [
"http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails",
"http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Concentration Risk Benchmark [Domain]", "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a
disclosed concentration risk percentage." } } }, "auth_ref": [ "r55", "r59", "r131", "r132", "r340", "r822" ] },
"us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype":
"stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": [
"http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails",
"http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Concentration Risk Benchmark [Axis]", "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." }
} }, "auth_ref": [ "r55", "r59", "r131", "r132", "r340", "r723", "r822" ] },
"us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-
gaap/2023", "localname": "ConcentrationRiskByTypeAxis", "presentation": [
"http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails",
"http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Concentration Risk Type [Axis]", "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not
limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": [ "r55", "r59", "r131", "r132", "r340", "r822", "r975" ] },
"us-
gaap_ConcentrationRiskDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"ConcentrationRiskDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/ConcentrationofRisk" ], "lang": { "en-us": { "role": { "terseLabel": "Concentration of
```

Risk", "label": "Concentration Risk Disclosure [Text Block]", "documentation": "The entire disclosure for any concentrations existing at the date of the financial statements that make an entity vulnerable to a reasonably possible, near-term, severe impact. This disclosure informs financial statement users about the general nature of the risk associated with the concentration, and may indicate the percentage of concentration risk as of the balance sheet date." } } }, "auth_ref": ["r171"] }, "us-gaap_ConcentrationRiskLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskLineItems", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk [Line Items]", "label": "Concentration Risk [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r822"] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskPercentage1", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration risk, percentage", "label": "Concentration Risk, Percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage derived from the division." } } }, "auth_ref": ["r55", "r59", "r131", "r132", "r340"] }, "us-gaap_ConcentrationRiskTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskTable", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk [Table]", "label": "Concentration Risk [Table]", "documentation": "Describes the nature of a concentration, a benchmark to which it is compared, and the percentage that the risk is to the benchmark." } } }, "auth_ref": ["r54", "r55", "r59", "r60", "r131", "r198", "r822"] }, "us-gaap_ConcentrationRiskTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConcentrationRiskTypeDomain", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Domain]", "label": "Concentration Risk Type [Domain]", "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r55", "r59", "r131", "r132", "r340", "r822"] }, "srt_ConsolidationItemsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "ConsolidationItemsAxis", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidation Items [Axis]", "label": "Consolidation Items [Axis]" } } }, "auth_ref": ["r273", "r313", "r324", "r325", "r326", "r327", "r328", "r330", "r334", "r440", "r441", "r442", "r443", "r445", "r446", "r448", "r450", "r451", "r1040", "r1041"] }, "srt_ConsolidationItemsDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "ConsolidationItemsDomain", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidation Items [Domain]", "label": "Consolidation Items [Domain]" } } }, "auth_ref": ["r273", "r313", "r324", "r325", "r326", "r327", "r328", "r330", "r334", "r440", "r441", "r442", "r443", "r445", "r446", "r448", "r450", "r451", "r1040", "r1041"] }, "us-gaap_ConsolidationPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConsolidationPolicyTextBlock", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy"], "lang": { "en-us": { "role": { "verboseLabel": "Principles of Consolidation", "label": "Consolidation, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary." } } }, "auth_ref": ["r107", "r846"] }, "us-gaap_ContractTerminationMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ContractTerminationMember", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other restructuring", "label": "Contract Termination [Member]", "documentation": "Termination of a contract associated with exit from or disposal of business activities or restructurings pursuant to a plan." } } }, "auth_ref": ["r854", "r855", "r856", "r857"] }, "smtc_ConversionPricePercentageFundamentalChangeRepurchase": { "xbrltype": "percentItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ConversionPricePercentageFundamentalChangeRepurchase", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details"], "lang": { "en-us": { "role": { "terseLabel": "Fundamental change repurchase", "label": "Conversion Price Percentage, Fundamental Change Repurchase", "documentation": "Conversion Price Percentage, Fundamental Change Repurchase" } } }, "auth_ref": [] }, "us-gaap_ConvertibleDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConvertibleDebtMember", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Debt", "label": "Convertible Debt [Member]", "documentation": "Borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock." } } }, "auth_ref": ["r178", "r454", "r455", "r465", "r466", "r467", "r471", "r472", "r473", "r474", "r475", "r858", "r859", "r860", "r861", "r862"] }, "us-gaap_ConvertibleDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ConvertibleDebtSecuritiesMember", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible debt", "label": "Convertible Debt Securities [Member]", "documentation": "Debt securities that can be exchanged for equity of the debt issuer at the option of the issuer or the holder." } } }, "auth_ref": ["r1045"] }, "smtc_ConvertibleSeniorNotesDue2027Member": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ConvertibleSeniorNotesDue2027Member", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Senior Notes Due 2027", "label": "Convertible Senior Notes Due 2027 [Member]", "documentation": "Convertible Senior Notes Due 2027" } } }, "auth_ref": [] }, "smtc_ConvertibleSeniorNotesDue2028Member": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ConvertibleSeniorNotesDue2028Member", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Senior Notes Due 2028", "label": "Convertible Senior Notes Due 2028 [Member]", "documentation": "Convertible Senior Notes Due 2028" } } }, "auth_ref": [] }, "us-gaap_CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_CostOfGoodsAndServicesSold", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Cost of sales", "label": "Cost of Goods and Service, Excluding Depreciation, Depletion, and Amortization", "documentation": "Cost of product sold and service rendered, excluding depreciation, depletion, and amortization." } } }, "auth_ref": ["r977", "r978"] }, "us-gaap_CostOfGoodsAndServicesSold": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CostOfGoodsAndServicesSold", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_GrossProfit", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total cost of sales", "label": "Cost of Goods and Services Sold", "documentation": "The aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": ["r161", "r658"] }, "us-gaap_CostOfGoodsAndServicesSoldAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CostOfGoodsAndServicesSoldAmortization", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_CostOfGoodsAndServicesSold", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Amortization of acquired technology", "terseLabel": "Total amortization expense", "label": "Cost, Amortization", "documentation": "Amount of expense for allocation of cost of intangible asset over its useful life directly used in production of good and rendering of service." } } }, "auth_ref": ["r993"] }, "us-gaap_CostOfSalesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CostOfSalesMember", "presentation": ["http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails", "http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cost of sales", "label": "Cost of Sales [Member]", "documentation": "Primary financial statement caption encompassing cost of sales." } } }, "auth_ref": [] }, "srt_CounterpartyNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "CounterpartyNameAxis", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Axis]", "label": "Counterparty Name [Axis]" } } }, "auth_ref": ["r270", "r271", "r457", "r484", "r625", "r842", "r844"] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "terseLabel": "Cover [Abstract]", "label": "Cover [Abstract]", "documentation": "Cover page." } } }, "auth_ref": [] }, "smtc_CreditAgreementFinancialCovenantReliefPeriodMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "CreditAgreementFinancialCovenantReliefPeriodMember", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Agreement, Financial Covenant Relief Period", "label": "Credit Agreement, Financial Covenant Relief Period [Member]", "documentation": "Credit Agreement, Financial Covenant Relief Period" } } }, "auth_ref": [] }, "smtc_CreditAgreementMaturesOnJanuary122028Member": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "CreditAgreementMaturesOnJanuary122028Member", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Agreement, Matures On January 12, 2028", "label": "Credit Agreement, Matures On January 12, 2028 [Member]", "documentation": "Credit Agreement, Matures On January 12, 2028" } } }, "auth_ref": [] }, "smtc_CreditAgreementMaturesOnNovember72024Member": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "CreditAgreementMaturesOnNovember72024Member", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Agreement, Matures On November 7, 2024", "label": "Credit Agreement, Matures On November 7, 2024 [Member]", "documentation": "Credit Agreement, Matures On November 7, 2024" } } }, "auth_ref": [] }, "smtc_CreditAgreementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "CreditAgreementMember", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Agreement", "label": "Credit Agreement [Member]", "documentation": "Credit Agreement" } } }, "auth_ref": [] }, "us-gaap_CreditFacilityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CreditFacilityAxis", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Axis]", "label": "Credit Facility [Axis]", "documentation": "Information by type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": [] }, "us-gaap_CreditFacilityDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CreditFacilityDomain", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",

```
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Domain]", "label": "Credit Facility
[Domain]", "documentation": "Type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": [
], "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "CurrentFiscalYearEndDate", "presentation": [
"http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Current Fiscal Year End Date", "label": "Current Fiscal Year End Date",
"documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [ ] }, "us-gaap_CustomerConcentrationRiskMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "CustomerConcentrationRiskMember", "presentation": [
"http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Customer Concentration Risk", "label":
"Customer Concentration Risk [Member]", "documentation": "Reflects the percentage that revenues in the period from one or more significant customers is to net revenues,
as defined by the entity, such as total net revenues, product line revenues, segment revenues. The risk is the materially adverse effects of loss of a significant customer." } } },
"auth_ref": [ "r56", "r340" ] }, "us-gaap_CustomerRelationshipsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"CustomerRelationshipsMember", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Customer
relationships", "label": "Customer Relationships [Member]", "documentation": "Customer relationship that exists between an entity and its customer, for example, but not
limited to, tenant relationships." } } }, "auth_ref": [ "r102" ] }, "us-gaap_DebtConversionConvertedInstrumentAmount1": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "DebtConversionConvertedInstrumentAmount1", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Debt extinguished in exchange for
common stock", "label": "Debt Conversion, Converted Instrument, Amount", "documentation": "The value of the financial instrument(s) that the original debt is being
converted into in a noncash (or part noncash) transaction. \"Part noncash\" refers to that portion of the transaction not resulting in cash receipts or cash payments in the
period." } } }, "auth_ref": [ "r49", "r51" ] }, "smtc_DebtConversionTermsOneMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728",
"localname": "DebtConversionTermsOneMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Conversion Terms One", "label": "Debt
Conversion Terms One [Member]", "documentation": "Debt Conversion Terms One" } } }, "auth_ref": [ ] }, "smtc_DebtConversionTermsTwoMember": { "xbrltype":
"domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "DebtConversionTermsTwoMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ],
"lang": { "en-us": { "role": { "terseLabel": "Debt Conversion Terms Two", "label": "Debt Conversion Terms Two [Member]", "documentation": "Debt Conversion Terms Two" } }
}, "auth_ref": [ ] }, "us-gaap_DebtDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtDisclosureAbstract", "lang": {
"en-us": { "role": { "terseLabel": "Debt Disclosure [Abstract]", "label": "Debt Disclosure [Abstract]" } } }, "auth_ref": [ ] }, "us-gaap_DebtDisclosureTextBlock": { "xbrltype":
"textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/LongTermDebt" ],
"lang": { "en-us": { "role": { "terseLabel": "Long-Term Debt", "label": "Debt Disclosure [Text Block]", "documentation": "The entire disclosure for information about short-term
and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue,
own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term,
including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other
matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants." } } }, "auth_ref": [ "r177", "r266", "r453",
"r459", "r460", "r461", "r462", "r463", "r464", "r469", "r476", "r477", "r479" ] }, "smtc_DebtHedgedByInterestRateDerivatives": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtHedgedByInterestRateDerivatives", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": {
"en-us": { "role": { "terseLabel": "Debt outstanding", "label": "Debt Hedged by Interest Rate Derivatives", "documentation": "Debt Hedged by Interest Rate Derivatives" } } },
"auth_ref": [ ] }, "us-gaap_DebtInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentAxis", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details",
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Debt Instrument [Axis]", "label": "Debt Instrument [Axis]", "documentation": "Information by type of debt instrument, including, but not limited to,
draws against credit facilities." } } }, "auth_ref": [ "r21", "r141", "r142", "r201", "r202", "r273", "r454", "r455", "r456", "r457", "r458", "r460", "r465", "r466", "r467", "r468",
"r470", "r471", "r472", "r473", "r474", "r475", "r607", "r858", "r859", "r860", "r861", "r862", "r996" ] }, "us-gaap_DebtInstrumentBasisSpreadOnVariableRate1": { "xbrltype":
"percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentBasisSpreadOnVariableRate1", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Debt instrument margin", "label": "Debt Instrument, Basis Spread on Variable Rate", "documentation": "Percentage points added to the reference rate
to compute the variable rate on the debt instrument." } } }, "auth_ref": [ ] }, "us-gaap_DebtInstrumentCarryingAmount": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentCarryingAmount", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Outstanding balance", "label": "Long-Term Debt,
Gross", "documentation": "Amount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds
payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt." } } }, "auth_ref": [ "r21", "r202", "r480" ] }, "us-
gaap_DebtInstrumentConvertibleConversionPrice1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentConvertibleConversionPrice1", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, conversion price (in
dollars per share)", "label": "Debt Instrument, Convertible, Conversion Price", "documentation": "The price per share of the conversion feature embedded in the debt
instrument." } } }, "auth_ref": [ "r179", "r456" ] }, "us-gaap_DebtInstrumentConvertibleConversionRatio1": { "xbrltype": "pureItemType", "nsuri": "http://fasb.org/us-
gaap/2023", "localname": "DebtInstrumentConvertibleConversionRatio1", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ],
"lang": { "en-us": { "role": { "terseLabel": "Conversion ratio", "label": "Debt Instrument, Convertible, Conversion Ratio", "documentation": "Ratio applied to the conversion of
debt instrument into equity with equity shares divided by debt principal amount." } } }, "auth_ref": [ "r29", "r85", "r181", "r182", "r456" ] }, "us-
gaap_DebtInstrumentConvertibleNumberOfEquityInstruments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentConvertibleNumberOfEquityInstruments", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": {
"en-us": { "role": { "terseLabel": "Shares of common stock exchanged with 2028 Notes", "label": "Debt Instrument, Convertible, Number of Equity Instruments",
"documentation": "The number of equity instruments that the holder of the debt instrument would receive if the debt was converted to equity." } } }, "auth_ref": [ "r29", "r85",
"r181", "r182", "r456" ] }, "smtc_DebtInstrumentConvertibleTermsOfConversionAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728",
"localname": "DebtInstrumentConvertibleTermsOfConversionAxis", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Convertible Terms Of
Conversion [Axis]", "label": "Debt Instrument, Convertible Terms Of Conversion [Axis]", "documentation": "Debt Instrument, Convertible Terms Of Conversion" } } },
"auth_ref": [ ] }, "smtc_DebtInstrumentConvertibleTermsOfConversionDomain": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentConvertibleTermsOfConversionDomain", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Convertible Terms Of
Conversion [Domain]", "label": "Debt Instrument, Convertible Terms Of Conversion [Domain]", "documentation": "Debt Instrument, Convertible Terms Of Conversion
[Domain]" } } }, "auth_ref": [ ] }, "us-gaap_DebtInstrumentConvertibleThresholdConsecutiveTradingDays1": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-
gaap/2023", "localname": "DebtInstrumentConvertibleThresholdConsecutiveTradingDays1", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ],
"lang": { "en-us": { "role": { "terseLabel": "Threshold consecutive trading days", "label": "Debt Instrument, Convertible, Threshold Consecutive Trading Days",
"documentation": "Threshold period of specified consecutive trading days within which common stock price to conversion price of convertible debt instrument must exceed
threshold percentage for specified number of trading days to trigger conversion feature." } } }, "auth_ref": [ ] }, "us-
gaap_DebtInstrumentConvertibleThresholdPercentageOfStockPriceTrigger": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentConvertibleThresholdPercentageOfStockPriceTrigger", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ],
"lang": { "en-us": { "role": { "terseLabel": "Threshold percentage of stock price trigger", "label": "Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger",
"documentation": "Minimum percentage of common stock price to conversion price of convertible debt instruments to determine eligibility of conversion." } } }, "auth_ref": [ ]
}, "us-gaap_DebtInstrumentConvertibleThresholdTradingDays": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentConvertibleThresholdTradingDays", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Threshold trading days", "label": "Debt
Instrument, Convertible, Threshold Trading Days", "documentation": "Threshold number of specified trading days that common stock price to conversion price of convertible
debt instruments must exceed threshold percentage within a specified consecutive trading period to trigger conversion feature." } } }, "auth_ref": [ ] },
"smtc_DebtInstrumentCovenantAnnualAmortization": { "xbrltype": "percentItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentCovenantAnnualAmortization", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Annual amortization", "label": "Debt Instrument, Covenant, Annual Amortization", "documentation": "Debt Instrument, Covenant, Annual Amortization" } } },
"auth_ref": [ ] }, "smtc_DebtInstrumentCovenantLeverageRatioMaximum": { "xbrltype": "pureItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentCovenantLeverageRatioMaximum", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Debt instrument, covenant, leverage ratio, maximum", "label": "Debt Instrument, Covenant, Leverage Ratio, Maximum", "documentation": "Debt Instrument,
Covenant, Leverage Ratio, Maximum" } } }, "auth_ref": [ ] }, "smtc_DebtInstrumentCovenantLeverageRatioMaximumIncreaseLimit": { "xbrltype": "pureItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtInstrumentCovenantLeverageRatioMaximumIncreaseLimit", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, covenant, leverage ratio, maximum,
increase limit", "label": "Debt Instrument, Covenant, Leverage Ratio, Maximum, Increase Limit", "documentation": "Debt Instrument, Covenant, Leverage Ratio, Maximum,
Increase Limit" } } }, "auth_ref": [ ] }, "smtc_DebtInstrumentCovenantLiquidityRatioRequiredMinimum": { "xbrltype": "pureItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtInstrumentCovenantLiquidityRatioRequiredMinimum", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Covenant, Liquidity Ratio Required,
Minimum", "label": "Debt Instrument, Covenant, Liquidity Ratio Required, Minimum", "documentation": "Debt Instrument, Covenant, Liquidity Ratio Required, Minimum" } }
}, "auth_ref": [ ] }, "smtc_DebtInstrumentCovenantMinimumConsolidatedLiquidity": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728",
"localname": "DebtInstrumentCovenantMinimumConsolidatedLiquidity", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Covenant, Minimum Consolidated
Liquidity", "label": "Debt Instrument, Covenant, Minimum Consolidated Liquidity", "documentation": "Debt Instrument, Covenant, Minimum Consolidated Liquidity" } } },
"auth_ref": [ ] }, "smtc_DebtInstrumentCovenantNonExtendedNotesAndCertainReplacementDebtThreshold": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtInstrumentCovenantNonExtendedNotesAndCertainReplacementDebtThreshold", "crdr": "credit", "presentation": [
```

```
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold", "label": "Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold", "documentation": "Debt Instrument, Covenant, Non-Extended Notes And Certain Replacement Debt, Threshold" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentFaceAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentFaceAmount", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details",
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Face amount", "label": "Debt Instrument, Face Amount", "documentation": "Face (par) amount of debt instrument at time of issuance." } } }, "auth_ref": [ "r134", "r136", "r454", "r607", "r859", "r860" ] },
"smtc_DebtInstrumentFaceAmountNotSubjectToRedemption": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentFaceAmountNotSubjectToRedemption", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ],
"lang": { "en-us": { "role": { "terseLabel": "Amount not subject to redemption", "label": "Debt Instrument, Face Amount, Not Subject To Redemption", "documentation": "Debt Instrument, Face Amount, Not Subject To Redemption" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentFairValue": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentFairValue", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value", "label": "Debt Instrument, Fair Value Disclosure", "documentation": "Fair value portion of debt instrument payable, including, but not limited to, notes payable and loans payable." } } },
"auth_ref": [ "r467", "r597", "r859", "r860" ] }, "smtc_DebtInstrumentInterestPeriodAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728",
"localname": "DebtInstrumentInterestPeriodAxis", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Debt Instrument, Interest Period [Axis]", "label": "Debt Instrument, Interest Period [Axis]", "documentation": "Debt Instrument, Interest Period" } } },
"auth_ref": [] }, "smtc_DebtInstrumentInterestPeriodDomain": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentInterestPeriodDomain", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Debt Instrument, Interest Period [Domain]", "label": "Debt Instrument, Interest Period [Domain]", "documentation": "Debt Instrument, Interest Period [Domain]" } } },
"auth_ref": [] }, "us-gaap_DebtInstrumentInterestRateEffectivePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentInterestRateEffectivePercentage", "presentation": [ "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Weighted-average effective interest rate", "label": "Debt Instrument, Interest Rate, Effective Percentage", "documentation": "Effective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium." } } }, "auth_ref": [ "r28", "r134", "r482", "r607" ] },
"us-gaap_DebtInstrumentInterestRateStatedPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentInterestRateStatedPercentage", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fixed interest rate", "verboseLabel": "Debt instrument stated rate", "label": "Debt Instrument, Interest Rate, Stated Percentage", "documentation": "Contractual interest rate for funds borrowed, under the debt agreement." } } }, "auth_ref": [ "r28", "r455" ] }, "smtc_DebtInstrumentLIBORPortionOfFixedRate": { "xbrltype": "percentItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtInstrumentLIBORPortionOfFixedRate", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": {
"en-us": { "role": { "terseLabel": "LIBOR portion of fixed rate", "label": "Debt Instrument, LIBOR Portion Of Fixed Rate", "documentation": "Debt Instrument, LIBOR Portion Of Fixed Rate" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentLineItems", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument [Line Items]", "label": "Debt Instrument [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r273", "r454", "r455", "r456", "r457", "r458", "r460", "r465", "r466", "r467", "r468", "r470", "r471", "r472", "r473", "r474", "r475", "r478", "r607", "r858", "r859", "r860", "r861", "r862", "r996" ] },
"smtc_DebtInstrumentMaturityExtensionNumberOfDaysAfterMaturityDate": { "xbrltype": "integerItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentMaturityExtensionNumberOfDaysAfterMaturityDate", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of days after maturity date", "label": "Debt Instrument Maturity, Extension, Number Of Days After Maturity Date", "documentation":
"Debt Instrument Maturity, Extension, Number Of Days After Maturity Date" } } }, "auth_ref": [] },
"smtc_DebtInstrumentMaturityNumberOfDaysBeforeMaturityDateIfNotExtended": { "xbrltype": "integerItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentMaturityNumberOfDaysBeforeMaturityDateIfNotExtended", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang":
{ "en-us": { "role": { "terseLabel": "Number of days before maturity date if not extended", "label": "Debt Instrument Maturity, Number Of Days Before Maturity Date If Not Extended", "documentation": "Debt Instrument Maturity, Number Of Days Before Maturity Date If Not Extended" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentNameDomain", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details",
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Debt Instrument, Name [Domain]", "label": "Debt Instrument, Name [Domain]", "documentation": "The name for the particular debt instrument or borrowing that distinguishes it from other debt instruments or borrowings, including draws against credit facilities." } } }, "auth_ref": [ "r30", "r273", "r454", "r455", "r456", "r457", "r458", "r460", "r465", "r466", "r467", "r468", "r470", "r471", "r472", "r473", "r474", "r475", "r607", "r858", "r859", "r860", "r861", "r862", "r996" ] },
"smtc_DebtInstrumentOneMonthInterestPeriodMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentOneMonthInterestPeriodMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Debt Instrument, One Month Interest Period", "label": "Debt Instrument, One Month Interest Period [Member]", "documentation": "Debt Instrument, One Month Interest Period" } } }, "auth_ref": [] }, "smtc_DebtInstrumentQuarterlyAmortizationPercentage": { "xbrltype": "percentItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtInstrumentQuarterlyAmortizationPercentage", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Quarterly amortization percentage", "label": "Debt Instrument, Quarterly Amortization, Percentage", "documentation": "Debt Instrument, Quarterly Amortization, Percentage" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentRedemptionPricePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentRedemptionPricePercentage", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Redemption price, percentage", "label":
"Debt Instrument, Redemption Price, Percentage", "documentation": "Percentage price of original principal amount of debt at which debt can be redeemed by the issuer." } }
}, "auth_ref": [ "r18" ] }, "smtc_DebtInstrumentRedemptionPriceThresholdTradingDay": { "xbrltype": "integerItemType", "nsuri": "http://www.semtech.com/20240728",
"localname": "DebtInstrumentRedemptionPriceThresholdTradingDay", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details"
], "lang": { "en-us": { "role": { "terseLabel": "Threshold trading day", "label": "Debt Instrument, Redemption Price, Threshold Trading Day", "documentation": "Debt Instrument, Redemption Price, Threshold Trading Day" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentRepurchasedFaceAmount": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentRepurchasedFaceAmount", "crdr": "debit", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Aggregate principal amount exchanged",
"label": "Debt Instrument, Repurchased Face Amount", "documentation": "Face (par) amount of the original debt instrument that was repurchased." } } }, "auth_ref": [] },
"smtc_DebtInstrumentSixMonthInterestPeriodMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"DebtInstrumentSixMonthInterestPeriodMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Debt Instrument, Six Month Interest Period", "label": "Debt Instrument, Six Month Interest Period [Member]", "documentation": "Debt Instrument, Six Month Interest Period" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtInstrumentTable", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details",
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Long-term Debt Instruments [Table]",
"label": "Schedule of Long-Term Debt Instruments [Table]", "documentation": "A table or schedule providing information pertaining to long-term debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": [ "r30", "r85", "r86", "r133", "r134", "r136", "r138", "r180", "r182", "r273", "r454", "r455", "r456", "r457", "r458", "r460", "r465", "r466", "r467", "r468", "r470", "r471", "r472", "r473", "r474", "r475", "r478", "r607", "r858", "r859", "r860", "r861", "r862", "r996" ] }, "smtc_DebtInstrumentThreeMonthInterestPeriodMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "DebtInstrumentThreeMonthInterestPeriodMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Three Month Interest Period", "label":
"Debt Instrument, Three Month Interest Period [Member]", "documentation": "Debt Instrument, Three Month Interest Period" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtInstrumentsAbstract", "lang": { "en-us": { "role": {
"terseLabel": "Debt Instruments [Abstract]", "label": "Debt Instruments [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DebtIssuanceCostsIncurredDuringNoncashOrPartialNoncashTransaction": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DebtIssuanceCostsIncurredDuringNoncashOrPartialNoncashTransaction", "crdr": "debit", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Accrued deferred financing costs",
"label": "Debt Issuance Costs Incurred During Noncash or Partial Noncash Transaction", "documentation": "The amount of debt issuance costs that were incurred during a noncash or partial noncash transaction." } } }, "auth_ref": [ "r49", "r50", "r51" ] }, "smtc_DebtSecuritiesAllowanceForCreditLoss": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "DebtSecuritiesAllowanceForCreditLoss", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/FairValueMeasurementsInvestmentImpairmentsandCreditLossReservesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Credit loss reserve for held-to-maturity debt securities and available for sale debt securities", "label": "Debt Securities, Allowance For Credit Loss", "documentation": "Debt Securities, Allowance For Credit Loss" } } }, "auth_ref": [] }, "us-gaap_DebtSecuritiesAvailableForSaleAccumulatedGrossUnrealizedGainLossBeforeTax": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "DebtSecuritiesAvailableForSaleAccumulatedGrossUnrealizedGainLossBeforeTax", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails": { "parentTag": "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis",
"weight": -1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Gross Unrealized Loss", "label": "Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain (Loss), before Tax", "documentation": "Amount, before tax, of unrealized gain (loss) in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": [ "r1009", "r1010" ] }, "us-gaap_DebtSecuritiesAvailableForSaleChangeInPresentValueInterestIncome": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtSecuritiesAvailableForSaleChangeInPresentValueInterestIncome", "crdr": "credit",
"presentation": [ "http://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Interest accrued", "label": "Debt Securities, Available-for-Sale, Change in Present Value, Interest Income", "documentation": "Amount of interest income on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), from change in present value of expected cash flows, attributable to passage of time." } } }, "auth_ref": [ "r390", "r393" ] }, "smtc_DebtSecuritiesAvailableForSaleReconciliationRollForward": { "xbrltype": "stringItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "DebtSecuritiesAvailableForSaleReconciliationRollForward", "presentation": [
"http://www.semtech.com/role/FairValueMeasurementsReconciliationofChangesinDebtSecuritiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Securities,
```

Available For Sale, Reconciliation [Roll Forward]", "label": "Debt Securities, Available For Sale, Reconciliation [Roll Forward]", "documentation": "Debt Securities, Available For Sale, Reconciliation [Roll Forward]" } } }, "auth_ref": [] }, "us-gaap_DebtSecuritiesAvailableForSaleTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DebtSecuritiesAvailableForSaleTable", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Securities, Available-for-sale [Table]", "label": "Debt Securities, Available-for-Sale [Table]", "documentation": "Disclosure of information about investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357"] }, "us-gaap_DeferredBonusAndProfitSharingArrangementIndividualContractTypeOfDeferredCompensationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredBonusAndProfitSharingArrangementIndividualContractTypeOfDeferredCompensationDomain", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred Bonus and Profit Sharing Arrangement, Individual Contract, Type of Deferred Compensation [Domain]", "label": "Deferred Bonus and Profit Sharing Arrangement, Individual Contract, Type of Deferred Compensation [Domain]", "documentation": "Deferred compensation that is not equivalent to a defined benefit pension plan or a defined benefit other postretirement benefit plan. Includes, but is not limited to, employment contracts with one or more selected officers or key employees. Excludes equity-based compensation plans, defined benefit pension plans and defined benefit other postretirement benefit plans." } } }, "auth_ref": ["r89", "r186"] }, "us-gaap_DeferredCompensationArrangementWithIndividualExcludingShareBasedPaymentsAndPostretirementBenefitsByTypeOfDeferredCompensationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredCompensationArrangementWithIndividualExcludingShareBasedPaymentsAndPostretirementBenefitsByTypeOfDeferredCompensationAxis", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred Bonus and Profit Sharing Arrangements, Individual Contracts, Type of Deferred Compensation [Axis]", "label": "Deferred Bonus and Profit Sharing Arrangements, Individual Contracts, Type of Deferred Compensation [Axis]", "documentation": "Information by type of deferred compensation that is not equivalent to a defined benefit pension plan or a defined benefit other postretirement benefit plan. Includes, but is not limited to, employment contracts with one or more selected officers or key employees. Excludes equity-based compensation plans, defined benefit pension plans and defined benefit other postretirement benefit plans." } } }, "auth_ref": ["r89", "r186"] }, "us-gaap_DeferredCompensationLiabilityClassifiedNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredCompensationLiabilityClassifiedNoncurrent", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "label": "Deferred Compensation Liability, Classified, Noncurrent", "documentation": "Aggregate carrying value as of the balance sheet date of the liabilities for all deferred compensation arrangements payable beyond one year (or the operating cycle, if longer)." } } }, "auth_ref": [] }, "us-gaap_DeferredCompensationLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredCompensationLiabilityCurrent", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued liabilities", "label": "Deferred Compensation Liability, Current", "documentation": "Aggregate carrying value as of the balance sheet date of the liabilities for all deferred compensation arrangements payable within one year (or the operating cycle, if longer). Represents currently earned compensation under compensation arrangements that is not actually paid until a later date." } } }, "auth_ref": ["r90", "r185"] }, "us-gaap_DeferredCompensationLiabilityCurrentAndNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredCompensationLiabilityCurrentAndNoncurrent", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total deferred compensation liabilities under this plan", "label": "Deferred Compensation Liability, Current and Noncurrent", "documentation": "Aggregate carrying value as of the balance sheet date of the liabilities for all deferred compensation arrangements. Represents currently earned compensation under compensation arrangements that is not actually paid until a later date." } } }, "auth_ref": [] }, "smtc_DeferredCompensationPlanForOfficersAndExecutivesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "DeferredCompensationPlanForOfficersAndExecutivesMember", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred Compensation Plan For Officers And Executives", "label": "Deferred Compensation Plan For Officers And Executives [Member]", "documentation": "Deferred Compensation Plan For Officers And Executives [Member]" } } }, "auth_ref": [] }, "us-gaap_DeferredCompensationSharebasedArrangementsLiabilityClassifiedNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredCompensationSharebasedArrangementsLiabilityClassifiedNoncurrent", "crdr": "credit", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Liability associated with awards vested but unsettled", "label": "Deferred Compensation Share-Based Arrangements, Liability, Classified, Noncurrent", "documentation": "Aggregate carrying value as of the balance sheet date of the liabilities for stock option plans and other equity-based compensation arrangements payable after one year (or the operating cycle, if longer)." } } }, "auth_ref": [] }, "us-gaap_DeferredFinanceCostsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredFinanceCostsNet", "crdr": "debit", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt issuance costs", "negatedTerseLabel": "Debt issuance costs", "label": "Debt Issuance Costs, Net", "documentation": "Amount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs." } } }, "auth_ref": ["r135", "r1043"] }, "us-gaap_DeferredIncomeTaxAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredIncomeTaxAssetsNet", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Deferred tax assets", "label": "Deferred Income Tax Assets, Net", "documentation": "Amount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting." } } }, "auth_ref": ["r544", "r545"] }, "us-gaap_DeferredIncomeTaxLiabilitiesNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DeferredIncomeTaxLiabilitiesNet", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Deferred tax liabilities", "label": "Deferred Income Tax Liabilities, Net", "documentation": "Amount, after deferred tax asset, of deferred tax liability attributable to taxable differences with jurisdictional netting." } } }, "auth_ref": ["r544", "r545", "r674"] }, "smtc_DensoCorporationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "DensoCorporationMember", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Denso Corporation", "label": "Denso Corporation [Member]", "documentation": "Denso Corporation" } } }, "auth_ref": [] }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 14.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Depreciation and amortization", "label": "Depreciation, Depletion and Amortization", "documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets." } } }, "auth_ref": ["r10", "r316"] }, "us-gaap_DerivativeAssetNotionalAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeAssetNotionalAmount", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Notional value", "label": "Derivative Asset, Notional Amount", "documentation": "Nominal or face amount used to calculate payments on the derivative asset." } } }, "auth_ref": ["r803", "r808", "r810", "r813", "r1072", "r1073", "r1074"] }, "us-gaap_DerivativeAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeAssets", "crdr": "debit", "calculation": { "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails": { "parentTag": "us-gaap_AssetsFairValueDisclosure", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative asset", "label": "Derivative Asset", "documentation": "Fair value, after the effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets not subject to a master netting arrangement and not elected to be offset." } } }, "auth_ref": ["r239", "r240", "r597", "r736", "r737", "r738", "r739", "r740", "r742", "r743", "r744", "r745", "r746", "r760", "r761", "r803", "r809", "r811", "r812", "r814", "r815", "r844", "r883", "r1096"] }, "us-gaap_DerivativeBasisSpreadOnVariableRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeBasisSpreadOnVariableRate", "presentation": ["http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Spread rate", "label": "Derivative, Basis Spread on Variable Rate", "documentation": "The percentage points added to the reference rate to compute the variable rate on the interest rate derivative." } } }, "auth_ref": [] }, "us-gaap_DerivativeContractTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeContractTypeDomain", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative Contract [Domain]", "label": "Derivative Contract [Domain]", "documentation": "Financial instrument or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset." } } }, "auth_ref": ["r744", "r746", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r767", "r768", "r769", "r770", "r781", "r782", "r783", "r784", "r787", "r788", "r789", "r790", "r803", "r805", "r811", "r814", "r881", "r883"] }, "us-gaap_DerivativeFairValueOfDerivativeAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeFairValueOfDerivativeAsset", "crdr": "debit", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative asset", "label": "Derivative Asset, Subject to Master Netting Arrangement, before Offset", "documentation": "Fair value, before effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets elected not to be offset. Excludes assets not subject to a master netting arrangement." } } }, "auth_ref": ["r19", "r119", "r153", "r238", "r844"] }, "us-gaap_DerivativeFairValueOfDerivativeLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeFairValueOfDerivativeLiability", "crdr": "credit", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative liability", "label": "Derivative Liability, Subject to Master Netting Arrangement, before Offset", "documentation": "Fair value, before effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement." } } }, "auth_ref": ["r19", "r119", "r153", "r238", "r844"] }, "us-gaap_DerivativeFixedInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeFixedInterestRate", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Variable rate spread", "label": "Derivative, Fixed Interest Rate", "documentation": "Fixed interest rate related to the interest rate derivative." } } }, "auth_ref": [] }, "us-gaap_DerivativeInstrumentRiskAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeInstrumentRiskAxis", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails",

```
"http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": {
"en-us": { "role": { "terseLabel": "Derivative Instrument [Axis]", "label": "Derivative Instrument [Axis]", "documentation": "Information by type of derivative contract." } } },
"auth_ref": [ "r117", "r120", "r122", "r123", "r744", "r746", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r767", "r768", "r769", "r770", "r781", "r782", "r783", "r784",
"r787", "r788", "r789", "r790", "r803", "r805", "r811", "r814", "r844", "r881", "r883" ] }, "us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract": {
"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract", "lang": { "en-us": { "role":
{ "terseLabel": "Derivative Instruments and Hedging Activities Disclosure [Abstract]", "label": "Derivative Instruments and Hedging Activities Disclosure [Abstract]" } } },
"auth_ref": [] }, "us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivities" ], "lang": {
"en-us": { "role": { "terseLabel": "Derivatives and Hedging Activities", "label": "Derivative Instruments and Hedging Activities Disclosure [Text Block]", "documentation": "The
entire disclosure for derivative instruments and hedging activities including, but not limited to, risk management strategies, non-hedging derivative instruments, assets,
liabilities, revenue and expenses, and methodologies and assumptions used in determining the amounts." } } }, "auth_ref": [ "r195", "r576", "r583" ] },
"smtc_DerivativeInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "DerivativeInterestRate", "presentation": [
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Derivative fixed rate", "label": "Derivative, Interest
Rate", "documentation": "Derivative, Interest Rate" } } }, "auth_ref": [] }, "us-gaap_DerivativeLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-
gaap/2023", "localname": "DerivativeLiabilities", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails": { "parentTag": "us-
gaap_FinancialLiabilitiesFairValueDisclosure", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role":
{ "terseLabel": "Financial liabilities", "label": "Derivative Liability", "documentation": "Fair value, after the effects of master netting arrangements, of a financial liability or
contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an
asset. Includes liabilities not subject to a master netting arrangement and not elected to be offset." } } }, "auth_ref": [ "r239", "r240", "r597", "r736", "r737", "r738", "r739",
"r742", "r743", "r744", "r745", "r746", "r767", "r769", "r770", "r805", "r806", "r809", "r811", "r812", "r814", "r815", "r844", "r1096" ] }, "us-gaap_DerivativeLineItems": {
"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeLineItems", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Derivative
[Line Items]", "label": "Derivative [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable
information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r583" ] }, "us-gaap_DerivativeNumberOfInstrumentsHeld": {
"xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeNumberOfInstrumentsHeld", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of
Instruments", "label": "Derivative, Number of Instruments Held", "documentation": "The number of derivative instruments of a particular group held by the entity." } } },
"auth_ref": [ "r113", "r114", "r745", "r803", "r804", "r807", "r883" ] }, "us-gaap_DerivativeTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "DerivativeTable", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Derivative
[Table]", "label": "Derivative [Table]", "documentation": "Schedule that describes and identifies a derivative or group of derivatives on a disaggregated basis, such as for
individual instruments, or small groups of similar instruments. May include a combination of the type of instrument, risks being hedged, notional amount, hedge designation,
related hedged item, inception date, maturity date, or other relevant item." } } }, "auth_ref": [ "r15", "r111", "r112", "r114", "r115", "r118", "r122", "r124", "r126", "r128",
"r583" ] }, "us-gaap_DerivativeTermOfContract": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativeTermOfContract",
"presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Derivative term", "label": "Derivative, Term of
Contract", "documentation": "Period the derivative contract is outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year,
five months, and thirteen days." } } }, "auth_ref": [] }, "us-gaap_DerivativesFairValueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "DerivativesFairValueLineItems", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Derivatives, Fair Value [Line Items]", "label": "Derivatives, Fair Value [Line Items]", "documentation": "Line items represent financial concepts included in a table. These
concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-
gaap_DerivativesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DerivativesPolicyTextBlock", "presentation": [
"http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy" ], "lang": { "en-us": { "role": { "terseLabel": "Derivatives", "label": "Derivatives, Policy [Policy Text
Block]", "documentation": "Disclosure of accounting policy for its derivative instruments and hedging activities." } } }, "auth_ref": [ "r15", "r111", "r112", "r115", "r125",
"r272" ] }, "us-gaap_DesignatedAsHedgingInstrumentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"DesignatedAsHedgingInstrumentMember", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Designated as Hedging Instrument", "label": "Designated as Hedging Instrument [Member]", "documentation": "Derivative instrument designated as hedging instrument
under Generally Accepted Accounting Principles (GAAP)." } } }, "auth_ref": [ "r15" ] }, "us-gaap_DevelopedTechnologyRightsMember": { "xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2023", "localname": "DevelopedTechnologyRightsMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Core technologies",
"label": "Developed Technology Rights [Member]", "documentation": "Rights to developed technology, which can include the right to develop, use, market, sell, or offer for
sale products, compounds, or intellectual property." } } }, "auth_ref": [ "r191" ] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": {
"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock",
"presentation": [ "http://www.semtech.com/role/ShareBasedCompensation" ], "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation", "label": "Share-Based
Payment Arrangement [Text Block]", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": [ "r499", "r504", "r532", "r533",
"r534", "r873" ] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "DocumentFiscalPeriodFocus",
"presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Period Focus", "label": "Document Fiscal Period
Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3, 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K,
10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2023",
"localname": "DocumentFiscalYearFocus", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Year
Focus", "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also
provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": [] }, "dei_DocumentPeriodEndDate": {
"xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "DocumentPeriodEndDate", "presentation": [ "http://www.semtech.com/role/CoverPage" ],
"lang": { "en-us": { "role": { "terseLabel": "Document Period End Date", "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form 8-
K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the
reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri":
"http://xbrl.sec.gov/dei/2023", "localname": "DocumentQuarterlyReport", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": {
"terseLabel": "Document Quarterly Report", "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } }
}, "auth_ref": [ "r898" ] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname":
"DocumentTransitionReport", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Transition Report", "label":
"Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": [ "r931" ] }, "dei_DocumentType": {
"xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "DocumentType", "presentation": [ "http://www.semtech.com/role/CoverPage" ],
"lang": { "en-us": { "role": { "terseLabel": "Document Type", "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS,
etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'." } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareAbstract":
{ "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EarningsPerShareAbstract", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "verboseLabel": "Loss per share:", "terseLabel": "Earnings
Per Share [Abstract]", "label": "Earnings Per Share [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "EarningsPerShareBasic", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited",
"http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Basic (in dollars per
share)", "verboseLabel": "Basic earnings (loss) per common share (in dollars per share)", "label": "Earnings Per Share, Basic", "documentation": "The amount of net income
(loss) for the period per each share of common stock or unit outstanding during the reporting period." } } }, "auth_ref": [ "r257", "r279", "r280", "r282", "r283", "r285",
"r291", "r293", "r299", "r300", "r301", "r305", "r586", "r587", "r667", "r692", "r848" ] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "EarningsPerShareDiluted", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited",
"http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Diluted (in dollars per
share)", "verboseLabel": "Diluted earnings (loss) per common share (in dollars per share)", "label": "Earnings Per Share, Diluted", "documentation": "The amount of net
income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been
outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period." } } }, "auth_ref": [
"r257", "r279", "r280", "r282", "r283", "r285", "r293", "r299", "r300", "r301", "r305", "r586", "r587", "r667", "r692", "r848" ] }, "us-gaap_EarningsPerSharePolicyTextBlock": {
"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EarningsPerSharePolicyTextBlock", "presentation": [
"http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy" ], "lang": { "en-us": { "role": { "terseLabel": "Earnings Per Share", "label": "Earnings Per Share,
Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and
participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock
dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements." } } }, "auth_ref":
[ "r52", "r53" ] }, "us-gaap_EarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"EarningsPerShareTextBlock", "presentation": [ "http://www.semtech.com/role/LossperShare" ], "lang": { "en-us": { "role": { "terseLabel": "Loss per Share", "label": "Earnings
Per Share [Text Block]", "documentation": "The entire disclosure for earnings per share." } } }, "auth_ref": [ "r290", "r302", "r303", "r304" ] }, "us-
gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations", "crdr": "debit",
"calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-
gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 4.0 } }, "presentation":
[ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Effect of foreign exchange rate
changes on cash and cash equivalents", "label": "Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal
Group and Discontinued Operations", "documentation": "Amount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash
```

equivalents restricted to withdrawal or usage; held in foreign currencies; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r1077"] }, "us-gaap_EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EmployeeStockOptionMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Employee Stock Option", "label": "Share-Based Payment Arrangement, Option [Member]", "documentation": "Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": [] }, "smtc_EmployeeStockUnitAwardsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "EmployeeStockUnitAwardsMember", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Employee Stock Unit Awards", "label": "Employee Stock Unit Awards [Member]", "documentation": "Employee Stock Unit Awards [Member]" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityAddressAddressLine1", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Address Line One", "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": [] }, "dei_EntityAddressCityOrTown": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityAddressCityOrTown", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, City or Town", "label": "Entity Address, City or Town", "documentation": "Name of the City or Town" } } }, "auth_ref": [] }, "dei_EntityAddressPostalZipCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityAddressPostalZipCode", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Postal Zip Code", "label": "Entity Address, Postal Zip Code", "documentation": "Code for the postal or zip code" } } }, "auth_ref": [] }, "dei_EntityAddressStateOrProvince": { "xbrltype": "stateOrProvinceItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityAddressStateOrProvince", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, State or Province", "label": "Entity Address, State or Province", "documentation": "Name of the state or province." } } }, "auth_ref": [] }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityCentralIndexKey", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Central Index Key", "label": "Entity Central Index Key", "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": ["r896"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityDomain": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityDomain", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Entity [Domain]", "label": "Entity [Domain]", "documentation": "All the names of the entities being reported upon in a document. Any legal structure used to conduct activities or to hold assets. Some examples of such structures are corporations, partnerships, limited liability companies, grantor trusts, and other trusts. This item does not include business and geographical segments which are included in the geographical or business segments domains." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r896"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityFileNumber", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Contained File Information, File Number", "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityFilerCategory", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r896"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r970"] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityRegistrantName", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r896"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityShellCompany", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Shell Company", "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r896"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntitySmallBusiness", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Small Business", "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r896"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Tax Identification Number", "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r896"] }, "us-gaap_EntityWideInformationRevenueFromExternalCustomerLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EntityWideInformationRevenueFromExternalCustomerLineItems", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue from External Customer [Line Items]", "label": "Revenue from External Customer [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_EnvironmentalIssueMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EnvironmentalIssueMember", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Environmental Issue", "label": "Environmental Issue [Member]", "documentation": "Ecological or external issues that require remediation including, but not limited to, restoration or clean up of property, regulatory compliance, or to sell, abandon or dispose of such property." } } }, "auth_ref": [] }, "us-gaap_EquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EquityAbstract", "lang": { "en-us": { "role": { "terseLabel": "Equity [Abstract]", "label": "Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EquityComponentDomain", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Equity Component [Domain]", "label": "Equity Component [Domain]", "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r14", "r217", "r250", "r251", "r252", "r274", "r275", "r276", "r278", "r286", "r288", "r306", "r379", "r382", "r487", "r535", "r536", "r537", "r557", "r558", "r577", "r578", "r579", "r580", "r581", "r582", "r585", "r599", "r601", "r602", "r603", "r604", "r605", "r624", "r713", "r714", "r715", "r734", "r793"] }, "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossAnnualAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossAnnualAmount", "crdr": "debit", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsInvestmentImpairmentsandCreditLossReservesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Impairment of equity method investment", "label": "Equity Securities without Readily Determinable Fair Value, Impairment Loss, Annual Amount", "documentation": "Amount of impairment loss on investment in equity security without readily determinable fair value." } } }, "auth_ref": ["r376"] }, "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]" } } }, "auth_ref": ["r939"] }, "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ErrCompAnalysisTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]" } } }, "auth_ref": ["r903", "r914", "r924", "r949"] }, "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ErrCompRecoveryTable", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]" } } }, "auth_ref": ["r900", "r911", "r921", "r946"] }, "srt_EuropeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "EuropeMember", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Europe", "label": "Europe [Member]" } } }, "auth_ref": ["r1099", "r1100", "r1101", "r1102"] }, "ecd_ExecutiveCategoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ExecutiveCategoryAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Executive Category:", "label": "Executive Category [Axis]" } } }, "auth_ref": ["r945"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Fair Value, Assets and Liabilities Measured on Recurring Basis [Line Items]", "terseLabel": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "label": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r589", "r590", "r593"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails",

```
"http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Recurring and Nonrecurring [Table]", "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": [ "r589", "r590", "r593" ] }, "us-gaap_FairValueAssetsMeasuredOnRecurringBasisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueAssetsMeasuredOnRecurringBasisTextBlock", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Assets Measured on Recurring Basis", "label": "Fair Value, Assets Measured on Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, by class that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": [ "r129", "r197" ] }, "us-gaap_FairValueAssetsMeasuredOnRecurringBasisUnobservableInputReconciliationByAssetClassDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueAssetsMeasuredOnRecurringBasisUnobservableInputReconciliationByAssetClassDomain", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Asset Class [Domain]", "label": "Asset Class [Domain]", "documentation": "Class of asset." } } }, "auth_ref": [ "r16" ] }, "us-gaap_FairValueByAssetClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueByAssetClassAxis", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Asset Class [Axis]", "label": "Asset Class [Axis]", "documentation": "Information by class of asset." } } }, "auth_ref": [ "r129", "r130" ] }, "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hierarchy and NAV [Axis]", "label": "Fair Value Hierarchy and NAV [Axis]", "documentation": "Information by level within fair value hierarchy and fair value measured at net asset value per share as practical expedient." } } }, "auth_ref": [ "r467", "r491", "r492", "r493", "r494", "r495", "r496", "r590", "r629", "r630", "r631", "r859", "r860", "r867", "r868", "r869" ] }, "us-gaap_FairValueByMeasurementFrequencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueByMeasurementFrequencyAxis", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement Frequency [Axis]", "label": "Measurement Frequency [Axis]", "documentation": "Information by measurement frequency." } } }, "auth_ref": [ "r589", "r590", "r591", "r592", "r594" ] }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "terseLabel": "Fair Value Disclosures [Abstract]", "label": "Fair Value Disclosures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueDisclosuresTextBlock", "presentation": [ "http://www.semtech.com/role/FairValueMeasurements" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Measurements", "label": "Fair Value Disclosures [Text Block]", "documentation": "The entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information." } } }, "auth_ref": [ "r588" ] }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueInputsLevel1Member", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "(Level|u00a01)", "label": "Fair Value, Inputs, Level 1 [Member]", "documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date." } } }, "auth_ref": [ "r467", "r491", "r496", "r590", "r629", "r867", "r868", "r869" ] }, "us-gaap_FairValueInputsLevel2Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueInputsLevel2Member", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "(Level 2)", "label": "Fair Value, Inputs, Level 2 [Member]", "documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets." } } }, "auth_ref": [ "r467", "r491", "r496", "r590", "r630", "r859", "r860", "r867", "r868", "r869" ] }, "us-gaap_FairValueInputsLevel3Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueInputsLevel3Member", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "(Level|u00a03)", "label": "Fair Value, Inputs, Level 3 [Member]", "documentation": "Unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing." } } }, "auth_ref": [ "r467", "r491", "r492", "r493", "r494", "r495", "r496", "r590", "r631", "r859", "r860", "r867", "r868", "r869" ] }, "us-gaap_FairValueMeasurementFrequencyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueMeasurementFrequencyDomain", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement Frequency [Domain]", "label": "Measurement Frequency [Domain]", "documentation": "Measurement frequency." } } }, "auth_ref": [] }, "us-gaap_FairValueMeasurementsFairValueHierarchyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueMeasurementsFairValueHierarchyDomain", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hierarchy and NAV [Domain]", "label": "Fair Value Hierarchy and NAV [Domain]", "documentation": "Categories used to prioritize the inputs to valuation techniques to measure fair value." } } }, "auth_ref": [ "r467", "r491", "r492", "r493", "r494", "r495", "r496", "r629", "r630", "r631", "r859", "r860", "r867", "r868", "r869" ] }, "us-gaap_FairValueMeasurementsRecurringMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValueMeasurementsRecurringMember", "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Measurements, Recurring", "label": "Fair Value, Recurring [Member]", "documentation": "Frequent fair value measurement. Includes, but is not limited to, fair value adjustment for impairment of asset, liability or equity, frequently measured at fair value." } } }, "auth_ref": [ "r588", "r594" ] }, "us-gaap_FairValuesDerivativesBalanceSheetLocationByDerivativeContractTypeByHedgingDesignationTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FairValuesDerivativesBalanceSheetLocationByDerivativeContractTypeByHedgingDesignationTable", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table]", "label": "Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table]", "documentation": "Schedule that discloses the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position." } } }, "auth_ref": [ "r116", "r118", "r127" ] }, "us-gaap_FinancialInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FinancialInstrumentAxis", "presentation": [ "http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Financial Instrument [Axis]", "label": "Financial Instrument [Axis]", "documentation": "Information by type of financial instrument." } } }, "auth_ref": [ "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r384", "r385", "r386", "r387", "r388", "r391", "r392", "r394", "r478", "r485", "r583", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649", "r650", "r651", "r652", "r653", "r654", "r655", "r688", "r851", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r1013", "r1014", "r1015", "r1016" ] }, "us-gaap_FinancialLiabilitiesFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FinancialLiabilitiesFairValueDisclosure", "crdr": "credit", "calculation": { "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Total financial liabilities", "label": "Financial Liabilities Fair Value Disclosure", "documentation": "Fair value of financial obligations, including, but not limited to, debt instruments, derivative liabilities, federal funds purchased and sold under agreements to repurchase, securities loaned or sold under agreements to repurchase, financial instruments sold not yet purchased, guarantees, line of credit, loans and notes payable, servicing liability, and trading liabilities." } } }, "auth_ref": [] }, "smtc_FinancialMetricBasedRestrictedStockUnitsRSUsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "FinancialMetricBasedRestrictedStockUnitsRSUsMember", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Financial Metric-Based Restricted Stock Units (RSUs)", "label": "Financial Metric-Based Restricted Stock Units (RSUs) [Member]", "documentation": "Financial Metric-Based Restricted Stock Units (RSUs)" } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetUsefulLife", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Estimated useful life", "label": "Finite-Lived Intangible Asset, Useful Life", "documentation": "Useful life of finite-lived intangible assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAccumulatedAmortization", "crdr": "credit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": -1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Accumulated Amortization", "label": "Finite-Lived Intangible Assets, Accumulated Amortization", "documentation": "Accumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": [ "r228", "r414" ] }, "smtc_FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFour", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 6.0 } }, "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Finite Lived Intangible Assets Amortization Expense After Year Four", "documentation": "Finite Lived Intangible Assets Amortization Expense After Year Four" } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 5.0 } }, "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year One", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual
```

periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r175" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" }, "lang": { "en-us": { "role": { "terseLabel": "2025 (remaining six months)", "label": "Finite-Lived Intangible Asset, Expected Amortization, Remainder of Fiscal Year", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year." } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock", "presentation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsTables" }, "lang": { "en-us": { "role": { "terseLabel": "Finite-lived Intangible Assets Amortization Expense", "label": "Finite-Lived Intangible Assets Amortization Expense [Table Text Block]", "documentation": "Tabular disclosure of amortization expense of assets, excluding financial assets, that lack physical substance, having a limited useful life." } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFour", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" }, "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Four", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r175" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearThree", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" }, "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Three", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r175" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" }, "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Two", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r175" } }, "us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsByMajorClassAxis", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets by Major Class [Axis]", "label": "Finite-Lived Intangible Assets by Major Class [Axis]", "documentation": "Information by major type or class of finite-lived intangible assets." } } }, "auth_ref": ["r411", "r413", "r414", "r415", "r659", "r660"] }, "us-gaap_FiniteLivedIntangibleAssetsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsGross", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Gross Carrying Amount", "label": "Finite-Lived Intangible Assets, Gross", "documentation": "Amount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": ["r174", "r660"] }, "smtc_FiniteLivedIntangibleAssetsImpairedAccumulatedImpairmentLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "FiniteLivedIntangibleAssetsImpairedAccumulatedImpairmentLoss", "crdr": "credit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Accumulated Impairment", "label": "Finite-Lived Intangible Assets, Impaired, Accumulated Impairment Loss", "documentation": "Finite-Lived Intangible Assets, Impaired, Accumulated Impairment Loss" } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsLineItems", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets [Line Items]", "label": "Finite-Lived Intangible Assets [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r659"] }, "us-gaap_FiniteLivedIntangibleAssetsMajorClassNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsMajorClassNameDomain", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "label": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "documentation": "The major class of finite-lived intangible asset (for example, patents, trademarks, copyrights, etc.) A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company." } } }, "auth_ref": ["r73", "r75"] }, "us-gaap_FiniteLivedIntangibleAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsNet", "crdr": "debit", "calculation": { "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total expected amortization expense", "label": "Finite-Lived Intangible Assets, Net", "documentation": "Amount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": ["r174", "r659"] }, "smtc_FiniteLivedIntangibleAssetsPlacedInService": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "FiniteLivedIntangibleAssetsPlacedInService", "crdr": "credit", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Placed in service", "label": "Finite-Lived Intangible Assets, Placed In Service", "documentation": "Finite-Lived Intangible Assets, Placed In Service" } } }, "auth_ref": [] }, "us-gaap_FiniteLivedIntangibleAssetsRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiniteLivedIntangibleAssetsRollForward", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets [Roll Forward]", "label": "Finite-Lived Intangible Assets [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_FinitelivedIntangibleAssetsAcquired1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FinitelivedIntangibleAssetsAcquired1", "crdr": "debit", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails"], "lang": { "en-us": { "role": { "terseLabel": "Additions", "label": "Finite-Lived Intangible Assets Acquired", "documentation": "Amount of increase in assets, excluding financial assets, lacking physical substance with a definite life, from an acquisition." } } }, "auth_ref": ["r412"] }, "us-gaap_FiscalPeriod": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "FiscalPeriod", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy"], "lang": { "en-us": { "role": { "verboseLabel": "Basis of Presentation", "label": "Fiscal Period, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for determining an entity's fiscal year or other fiscal period. This disclosure may include identification of the fiscal period end-date, the length of the fiscal period, any reporting period lag between the entity and its subsidiaries, or equity investees. If a reporting lag exists, the closing date of the entity having a different period end is generally noted, along with an explanation of the necessity for using different closing dates. Any intervening events that materially affect the entity's financial position or results of operations are generally also disclosed." } } }, "auth_ref": ["r103"] }, "us-gaap_ForeignExchangeContractMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ForeignExchangeContractMember", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Foreign Exchange Contract", "label": "Foreign Exchange Contract [Member]", "documentation": "Derivative instrument whose primary underlying risk is tied to foreign exchange rates." } } }, "auth_ref": ["r844", "r867", "r876"] }, "ecd_ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Disqualification of Tax Benefits, Amount", "label": "Forgone Recovery due to Disqualification of Tax Benefits, Amount" } } }, "auth_ref": ["r907", "r918", "r928", "r953"] }, "ecd_ForgoneRecoveryDueToExpenseOfEnforcementAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ForgoneRecoveryDueToExpenseOfEnforcementAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Expense of Enforcement, Amount", "label": "Forgone Recovery due to Expense of Enforcement, Amount" } } }, "auth_ref": ["r907", "r918", "r928", "r953"] }, "ecd_ForgoneRecoveryDueToViolationOfHomeCountryLawAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ForgoneRecoveryDueToViolationOfHomeCountryLawAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Violation of Home Country Law, Amount", "label": "Forgone Recovery due to Violation of Home Country Law, Amount" } } }, "auth_ref": ["r907", "r918", "r928", "r953"] }, "ecd_ForgoneRecoveryExplanationOfImpracticabilityTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ForgoneRecoveryExplanationOfImpracticabilityTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery, Explanation of Impracticability", "label": "Forgone Recovery, Explanation of Impracticability [Text Block]" } } }, "auth_ref": ["r907", "r918", "r928", "r953"] }, "ecd_ForgoneRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "ForgoneRecoveryIndName", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Forgone Recovery, Individual Name" } } }, "auth_ref": ["r907", "r918", "r928", "r953"] }, "smtc_FrontekTechnologyCorporationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "FrontekTechnologyCorporationMember", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Frontek Technology Corporation (and affiliates)", "label": "Frontek Technology Corporation [Member]", "documentation": "Frontek Technology Corporation [Member]" } } }, "auth_ref": [] }, "us-gaap_GainLossOnDerivativeInstrumentsNetPretax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GainLossOnDerivativeInstrumentsNetPretax", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails": { "parentTag": "us-gaap_InterestIncomeExpenseNonoperatingNet", "weight": 1.0, "order": 1.0 } }, "presentation": [

```
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Interest swap agreement", "verboseLabel": "Interest swap agreement", "label": "Gain (Loss) on Derivative Instruments, Net, Pretax", "documentation": "Aggregate net gain (loss) on all derivative instruments recognized in earnings during the period, before tax effects." } } }, "auth_ref": [ "r117" ] }, "us-gaap_GainLossOnSaleOfInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GainLossOnSaleOfInvestments", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 15.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Gain from sale of investments", "label": "Gain (Loss) on Sale of Investments", "documentation": "The net realized gain (loss) on investments sold during the period, not including gains (losses) on securities separately or otherwise categorized as trading, available-for-sale, or held-to-maturity, which, for cash flow reporting, is a component of proceeds from investing activities." } } }, "auth_ref": [ "r10" ] }, "smtc_GainLossonDispositionofBusinessandPropertyPlantandEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "GainLossonDispositionofBusinessandPropertyPlantandEquipment", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 11.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Loss (gain) on disposition of business operations and assets", "label": "Gain (Loss) on Disposition of Business and Property Plant and Equipment", "documentation": "Gain (Loss) on Disposition of Business and Property Plant and Equipment" } } }, "auth_ref": [] }, "us-gaap_GainsLossesOnExtinguishmentOfDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GainsLossesOnExtinguishmentOfDebt", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 6.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Loss on extinguishment of debt", "negatedTerseLabel": "Loss on extinguishment of debt", "label": "Gain (Loss) on Extinguishment of Debt", "documentation": "Difference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity." } } }, "auth_ref": [ "r10", "r83", "r84" ] }, "us-gaap_GainsLossesOnExtinguishmentOfDebtBeforeWriteOffOfDeferredDebtIssuanceCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GainsLossesOnExtinguishmentOfDebtBeforeWriteOffOfDeferredDebtIssuanceCost", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 12.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Loss on extinguishment of debt", "label": "Gain (Loss) on Extinguishment of Debt, before Debt Issuance Cost Writeoff", "documentation": "Reflects the difference between the fair value of payments made to legally extinguish a debt and its carrying value at that time. This item excludes the write-off of amounts previously capitalized as debt issuance costs." } } }, "auth_ref": [ "r83", "r84" ] }, "us-gaap_GeographicConcentrationRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GeographicConcentrationRiskMember", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Geographic Concentration Risk", "label": "Geographic Concentration Risk [Member]", "documentation": "Reflects the percentage that a specified dollar value on the balance sheet or income statement in the period from one or more specified geographic areas is to a corresponding consolidated, segment, or product line amount. Risk is the materially adverse effects of economic decline or antagonistic political actions resulting in loss of assets, sales volume, labor supply, or source of materials and supplies in a US state or a specified country, continent, or region such as EMEA (Europe, Middle East, Africa)." } } }, "auth_ref": [ "r58", "r822" ] }, "us-gaap_Goodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "Goodwill", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails", "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Goodwill", "periodStartLabel": "Beginning balance", "periodEndLabel": "Ending balance", "label": "Goodwill", "documentation": "Amount after accumulated impairment loss of an asset representing future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized." } } }, "auth_ref": [ "r227", "r398", "r661", "r853", "r878", "r1021", "r1028" ] }, "us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillAndIntangibleAssetsDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Goodwill and Intangible Assets Disclosure [Abstract]", "label": "Goodwill and Intangible Assets Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_GoodwillAndIntangibleAssetsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillAndIntangibleAssetsDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssets" ], "lang": { "en-us": { "role": { "terseLabel": "Goodwill and Intangible Assets", "label": "Goodwill and Intangible Assets Disclosure [Text Block]", "documentation": "The entire disclosure for goodwill and intangible assets." } } }, "auth_ref": [ "r173" ] }, "us-gaap_GoodwillForeignCurrencyTranslationGainLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillForeignCurrencyTranslationGainLoss", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Cumulative translation adjustment", "label": "Goodwill, Foreign Currency Translation Gain (Loss)", "documentation": "Amount of foreign currency translation gain (loss) which increases (decreases) an asset representing future economic benefits from other assets acquired in a business combination that are not individually identified and separately recognized." } } }, "auth_ref": [ "r406" ] }, "us-gaap_GoodwillImpairmentLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillImpairmentLoss", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 5.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 7.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Goodwill impairment", "label": "Goodwill, Impairment Loss", "documentation": "Amount of loss from the write-down of an asset representing the future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized." } } }, "auth_ref": [ "r10", "r399", "r405", "r410", "r853" ] }, "us-gaap_GoodwillLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillLineItems", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Goodwill [Line Items]", "label": "Goodwill [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r409", "r410", "r853" ] }, "us-gaap_GoodwillPurchaseAccountingAdjustments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillPurchaseAccountingAdjustments", "crdr": "debit", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Measurement period adjustment", "label": "Goodwill, Purchase Accounting Adjustments", "documentation": "Amount of increase (decrease) from adjustments after acquisition date under purchase accounting of an asset representing the future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized." } } }, "auth_ref": [ "r0", "r1027" ] }, "us-gaap_GoodwillRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GoodwillRollForward", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Goodwill [Roll Forward]", "label": "Goodwill [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_GranteeStatusAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GranteeStatusAxis", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Grantee Status [Axis]", "label": "Grantee Status [Axis]", "documentation": "Information by status of recipient to whom award is granted." } } }, "auth_ref": [ "r500", "r502", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530" ] }, "us-gaap_GranteeStatusDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GranteeStatusDomain", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Grantee Status [Domain]", "label": "Grantee Status [Domain]", "documentation": "Status of recipient to whom award is granted." } } }, "auth_ref": [ "r500", "r502", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530" ] }, "us-gaap_GrossProfit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "GrossProfit", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Gross profit", "terseLabel": "Gross profit", "label": "Gross Profit", "documentation": "Aggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity." } } }, "auth_ref": [ "r160", "r267", "r311", "r325", "r331", "r334", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r598", "r849", "r1040" ] }, "smtc_HarmanBeckerAutomotiveSystemsGmbHMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "HarmanBeckerAutomotiveSystemsGmbHMember", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Harman Becker Automotive Systems GmbH", "label": "Harman Becker Automotive Systems GmbH [Member]", "documentation": "Harman Becker Automotive Systems GmbH" } } }, "auth_ref": [] }, "us-gaap_HedgingDesignationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "HedgingDesignationAxis", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Hedging Designation [Axis]", "label": "Hedging Designation [Axis]", "documentation": "Information by designation of purpose of derivative instrument." } } }, "auth_ref": [ "r15", "r575" ] }, "us-gaap_HedgingDesignationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "HedgingDesignationDomain", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Hedging Designation [Domain]", "label": "Hedging Designation [Domain]", "documentation": "Designation of purpose of derivative instrument." } } }, "auth_ref": [ "r15" ] }, "us-gaap_InProcessResearchAndDevelopmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InProcessResearchAndDevelopmentMember", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Total", "label": "In Process Research and Development [Member]", "documentation": "In process investigation of new knowledge useful in developing new product or service or new process or technique or improvement to existing product or process, and translation of knowledge into plan or design for new product or process or for improvement to existing product or process." } } }, "auth_ref": [] }, "smtc_IncomeLossFromContinuingOperationsBeforeIncomeLossFromEquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeLossFromEquityMethodInvestments", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_ProfitLoss", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Net loss before equity method (loss) income", "label": "Income Loss From Continuing Operations Before Income Loss From Equity Method Investments", "documentation": "Income Loss From Continuing Operations Before Income Loss From Equity Method Investments" } } }, "auth_ref": [] }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "crdr": "credit", "calculation": { "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails" ], "lang": { "en-us": { "role": {
```

```
"terseLabel": "Domestic", "label": "Income (Loss) from Continuing Operations before Income Taxes, Domestic", "documentation": "The portion of earnings or loss from continuing operations before income taxes that is attributable to domestic operations." } } }, "auth_ref": { "r268", "r561" } }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesForeign": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesForeign", "crdr": "credit", "calculation": { "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Foreign", "label": "Income (Loss) from Continuing Operations before Income Taxes, Foreign", "documentation": "The portion of earnings or loss from continuing operations before income taxes that is attributable to foreign operations, which is defined as Income or Loss generated from operations located outside the entity's country of domicile." } } }, "auth_ref": { "r268", "r561" } }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "smtc_IncomeLossFromContinuingOperationsBeforeIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 2.0 }, "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/IncomeTaxesRegionalIncomeLossFromContinuingOperationsBeforeIncomeTaxesDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Loss before taxes and equity method (loss) income", "label": "Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest", "documentation": "Amount of income (loss) from continuing operations before deduction of income tax expense (benefit) and income (loss) attributable to noncontrolling interest, and addition of income (loss) from equity method investments." } } }, "auth_ref": { "r311", "r325", "r331", "r334", "r693", "r849" } }, "us-gaap_IncomeLossFromEquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeLossFromEquityMethodInvestments", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_ProfitLoss", "weight": 1.0, "order": 2.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Equity method (loss) income", "negatedTerseLabel": "Equity method (income) loss", "label": "Income (Loss) from Equity Method Investments", "documentation": "Amount of income (loss) for proportionate share of equity method investee's income (loss)." } } }, "auth_ref": { "r10", "r156", "r205", "r318", "r377", "r683" } }, "us-gaap_IncomeStatementAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeStatementAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statements of Income", "label": "Income Statement [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncomeStatementLocationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeStatementLocationAxis", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails", "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails", "http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Statement Location [Axis]", "label": "Income Statement Location [Axis]", "documentation": "Information by location in the income statement." } } }, "auth_ref": [ "r416", "r422", "r778" ] }, "us-gaap_IncomeStatementLocationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeStatementLocationDomain", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails", "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails", "http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Statement Location [Domain]", "label": "Income Statement Location [Domain]", "documentation": "Location in the income statement." } } }, "auth_ref": [ "r422", "r778" ] }, "us-gaap_IncomeTaxContingencyLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxContingencyLineItems", "presentation": [ "http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Tax Contingency [Line Items]", "label": "Income Tax Contingency [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_IncomeTaxContingencyTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxContingencyTable", "presentation": [ "http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Tax Contingency [Table]", "label": "Income Tax Contingency [Table]", "documentation": "Disclosure of information about tax positions taken in the tax returns filed or to be filed for which it is more likely than not that the tax position will not be sustained upon examination by taxing authorities and other income tax contingencies. Includes, but is not limited to, interest and penalties, reconciliation of unrecognized tax benefits, unrecognized tax benefits that would affect the effective tax rate, tax years that remain subject to examination by tax jurisdictions, and information about positions for which it is reasonably possible that amounts unrecognized will significantly change within 12 months." } } }, "auth_ref": [ "r12", "r95", "r187", "r189" ] }, "us-gaap_IncomeTaxDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Income Tax Disclosure [Abstract]", "label": "Income Tax Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncomeTaxDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/IncomeTaxes" ], "lang": { "en-us": { "role": { "terseLabel": "Income Taxes", "label": "Income Tax Disclosure [Text Block]", "documentation": "The entire disclosure for income taxes. Disclosures may include net deferred tax liability or asset recognized in an enterprise's statement of financial position, net change during the year in the total valuation allowance, approximate tax effect of each type of temporary difference and carryforward that gives rise to a significant portion of deferred tax liabilities and deferred tax assets, utilization of a tax carryback, and tax uncertainties information." } } }, "auth_ref": [ "r269", "r540", "r547", "r552", "r555", "r559", "r562", "r563", "r564", "r731" ] }, "us-gaap_IncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "smtc_IncomeLossFromContinuingOperationsBeforeIncomeLossFromEquityMethodInvestments", "weight": -1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Provision for income taxes", "label": "Income Tax Expense (Benefit)", "documentation": "Amount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": [ "r209", "r215", "r287", "r288", "r319", "r546", "r560", "r694" ] }, "us-gaap_IncomeTaxPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxPolicyTextBlock", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy" ], "lang": { "en-us": { "role": { "terseLabel": "Interest and Penalties on Unrecognized Tax Benefits", "label": "Income Tax, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for income taxes, which may include its accounting policies for recognizing and measuring deferred tax assets and liabilities and related valuation allowances, recognizing investment tax credits, operating loss carryforwards, tax credit carryforwards, and other carryforwards, methodologies for determining its effective income tax rate and the characterization of interest and penalties in the financial statements." } } }, "auth_ref": [ "r249", "r542", "r543", "r552", "r553", "r554", "r556", "r728" ] }, "us-gaap_IncomeTaxesPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncomeTaxesPaid", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Income taxes paid", "label": "Income Taxes Paid", "documentation": "The amount of cash paid during the current period to foreign, federal, state, and local authorities as taxes on income." } } }, "auth_ref": [ "r46", "r48" ] }, "us-gaap_IncreaseDecreaseInAccountsAndOtherReceivables": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInAccountsAndOtherReceivables", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 13.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedLabel": "Accounts receivable, net", "label": "Increase (Decrease) in Accounts and Other Receivables", "documentation": "The increase (decrease) during the reporting period in the amount due from customers for the credit sale of goods and services; includes accounts receivable and other types of receivables." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInAccountsPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInAccountsPayable", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 21.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable", "label": "Increase (Decrease) in Accounts Payable", "documentation": "The increase (decrease) during the reporting period in the aggregate amount of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInAccruedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInAccruedLiabilities", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Accrued liabilities", "label": "Increase (Decrease) in Accrued Liabilities", "documentation": "The increase (decrease) during the reporting period in the aggregate amount of expenses incurred but not yet paid." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInDeferredIncomeTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInDeferredIncomeTaxes", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 19.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Deferred income taxes", "label": "Increase (Decrease) in Deferred Income Taxes", "documentation": "The increase (decrease) during the reporting period in the account that represents the temporary difference that results from Income or Loss that is recognized for accounting purposes but not for tax purposes and vice versa." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInInventories": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInInventories", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedLabel": "Inventories", "label": "Increase (Decrease) in Inventories", "documentation": "The increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInOperatingCapitalAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInOperatingCapitalAbstract", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Changes in assets and liabilities:", "label": "Increase (Decrease) in Operating Capital [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncreaseDecreaseInOtherOperatingLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInOtherOperatingLiabilities", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 16.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Other liabilities", "label": "Increase (Decrease) in Other Operating Liabilities", "documentation": "Amount of increase (decrease) in operating liabilities classified as other." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 18.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedLabel": "Other assets", "label": "Increase (Decrease) in Prepaid Expense and Other Assets", "documentation": "Amount of increase (decrease) in prepaid expenses, and assets classified as other." } } }, "auth_ref": [ "r9" ] }, "us-gaap_IncreaseDecreaseInStockholdersEquityRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncreaseDecreaseInStockholdersEquityRollForward", "presentation": [ "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Increase (Decrease) in Stockholders'
```

Equity [Roll Forward]", "label": "Increase (Decrease) in Stockholders' Equity [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_IncrementalCommonSharesAttributableToCallOptionsAndWarrants": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncrementalCommonSharesAttributableToCallOptionsAndWarrants", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Warrants (in shares)", "label": "Incremental Common Shares Attributable to Dilutive Effect of Call Options and Warrants", "documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of call options and warrants using the treasury stock method." } } }, "auth_ref": ["r294", "r295", "r296", "r301"] }, "us-gaap_IncrementalCommonSharesAttributableToShareBasedPaymentArrangements": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IncrementalCommonSharesAttributableToShareBasedPaymentArrangements", "calculation": { "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails": { "parentTag": "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Dilutive effect of share-based compensation (in shares)", "label": "Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements", "documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method." } } }, "auth_ref": ["r294", "r295", "r297", "r301", "r503"] }, "ecd_IndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "IndividualAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Individual:", "label": "Individual [Axis]" } } }, "auth_ref": ["r910", "r918", "r928", "r945", "r953", "r957", "r965"] }, "ecd_InsiderTradingArrLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "InsiderTradingArrLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Arrangements [Line Items]" } } }, "auth_ref": ["r963"] }, "ecd_InsiderTradingPoliciesProcLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "InsiderTradingPoliciesProcLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures [Line Items]" } } }, "auth_ref": ["r899", "r969"] }, "ecd_InsiderTrdPoliciesProcAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "InsiderTrdPoliciesProcAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "terseLabel": "Insider Trading Policies and Procedures Adopted", "label": "Insider Trading Policies and Procedures Adopted [Flag]" } } }, "auth_ref": ["r899", "r969"] }, "ecd_InsiderTrdPoliciesProcNotAdoptedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "InsiderTrdPoliciesProcNotAdoptedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "terseLabel": "Insider Trading Policies and Procedures Not Adopted", "label": "Insider Trading Policies and Procedures Not Adopted [Text Block]" } } }, "auth_ref": ["r899", "r969"] }, "us-gaap_IntangibleAssetsNetExcludingGoodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "IntangibleAssetsNetExcludingGoodwill", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Other intangible assets, net", "label": "Intangible Assets, Net (Excluding Goodwill)", "documentation": "Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges." } } }, "auth_ref": ["r71", "r74"] }, "us-gaap_InterestExpenseDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestExpenseDebt", "crdr": "debit", "calculation": { "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails": { "parentTag": "us-gaap_InterestIncomeExpenseNonoperatingNet", "weight": -1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contractual interest", "label": "Interest Expense, Debt", "documentation": "Amount of the cost of borrowed funds accounted for as interest expense for debt." } } }, "auth_ref": ["r163", "r473", "r483", "r861", "r862"] }, "us-gaap_InterestIncomeAndInterestExpenseDisclosureTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestIncomeAndInterestExpenseDisclosureTableTextBlock", "presentation": ["http://www.semtech.com/role/LongTermDebtTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule Of Interest Expense", "label": "Interest Income and Interest Expense Disclosure [Table Text Block]", "documentation": "Tabular disclosure of interest income and expense, including, but not limited to, interest income and expense from investments, loans, and securities." } } }, "auth_ref": [] }, "us-gaap_InterestIncomeExpenseNonoperatingNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestIncomeExpenseNonoperatingNet", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 1.0 }, "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest expense", "negatedTotalLabel": "Total interest expense", "label": "Interest Income (Expense), Nonoperating, Net", "documentation": "The net amount of nonoperating interest income (expense)." } } }, "auth_ref": [] }, "us-gaap_InterestIncomeOperating": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestIncomeOperating", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Interest income", "label": "Interest Income, Operating", "documentation": "Amount of operating interest income, including, but not limited to, amortization and accretion of premiums and discounts on securities." } } }, "auth_ref": ["r158", "r775", "r817", "r818", "r891", "r892", "r1103"] }, "us-gaap_InterestPaidNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestPaidNet", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Interest paid", "label": "Interest Paid, Excluding Capitalized Interest, Operating Activities", "documentation": "Amount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount." } } }, "auth_ref": ["r260", "r263", "r264"] }, "us-gaap_InterestRateSwapMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InterestRateSwapMember", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails", "http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest Rate Swap", "label": "Interest Rate Swap [Member]", "documentation": "Forward based contracts in which two parties agree to swap periodic payments that are fixed at the outset of the swap contract with variable payments based on a market interest rate (index rate) over a specified period." } } }, "auth_ref": ["r836", "r888", "r889"] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Inventory Disclosure [Abstract]", "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryDisclosureTextBlock", "presentation": ["http://www.semtech.com/role/Inventories"], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": ["r395"] }, "us-gaap_InventoryFinishedGoods": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryFinishedGoods", "crdr": "debit", "calculation": { "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Finished goods", "label": "Inventory, Finished Goods, Gross", "documentation": "Amount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer." } } }, "auth_ref": ["r987"] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryNet", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 }, "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "totalLabel": "Inventories", "label": "Inventory, Net", "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": ["r235", "r840", "r878"] }, "us-gaap_InventoryPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryPolicyTextBlock", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy"], "lang": { "en-us": { "role": { "terseLabel": "Inventory", "label": "Inventory, Policy [Policy Text Block]", "documentation": "Disclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost." } } }, "auth_ref": ["r210", "r224", "r234", "r395", "r396", "r397", "r657", "r847"] }, "us-gaap_InventoryRawMaterials": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryRawMaterials", "crdr": "debit", "calculation": { "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Raw materials and electronic components", "label": "Inventory, Raw Materials, Gross", "documentation": "Amount before valuation and LIFO reserves of raw materials expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": ["r989"] }, "us-gaap_InventoryWorkInProcess": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InventoryWorkInProcess", "crdr": "debit", "calculation": { "http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/InventoriesSummaryofInventoriesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Work in progress", "label": "Inventory, Work in Process, Gross", "documentation": "Amount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer." } } }, "auth_ref": ["r988"] }, "smtc_InvestmentImpairmentsAndCreditLossReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "InvestmentImpairmentsAndCreditLossReserves", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": -1.0, "order": 3.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/FairValueMeasurementsInvestmentImpairmentsandCreditLossReservesDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Investment impairments and credit loss reserves, net", "terseLabel": "Investment impairments and credit loss reserves, net", "label": "Investment Impairments And Credit Loss Reserves", "documentation": "Investment Impairments And Credit Loss Reserves" } } }, "auth_ref": [] }, "us-gaap_InvestmentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InvestmentsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Investments [Abstract]", "label": "Investments [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InvestmentsClassifiedByContractualMaturityDateTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InvestmentsClassifiedByContractualMaturityDateTableTextBlock", "presentation": ["http://www.semtech.com/role/Availableforsalesecurities"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Investments, Classified by Maturity Period", "label": "Investments Classified by Contractual Maturity Date [Table Text Block]", "documentation": "Tabular disclosure of maturities of an entity's investments as well as any other information pertinent to the investments." } } }, "auth_ref": [] }, "us-gaap_InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock", "presentation": ["http://www.semtech.com/role/Availableforsalesecurities"], "lang": { "en-us": { "role": { "verboseLabel": "Available-for-sale securities", "label": "Investments in Debt and Marketable Equity Securities (and Certain Trading Assets) Disclosure [Text Block]", "documentation": "The entire disclosure for investments in certain debt and equity securities." } } }, "auth_ref": ["r199", "r207", "r208", "r216", "r344", "r345", "r595", "r596"] }, "smtc_IoTConnectedServicesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IoTConnectedServicesMember", "presentation": [

```
"http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "IoT Connected Services", "label": "IoT Connected Services [Member]", "documentation": "IoT Connected Services" } } }, "auth_ref": [] }, "smtc_IoTSystemMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IoTSystemMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails" ], "lang": { "en-us": { "role": { "terseLabel": "IoT Systems and Connectivity", "label": "IoT System [Member]", "documentation": "IoT System" } } }, "auth_ref": [] }, "smtc_IoTSystemModulesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IoTSystemModulesMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "IoT System, Modules", "label": "IoT System, Modules [Member]", "documentation": "IoT System, Modules" } } }, "auth_ref": [] }, "smtc_IoTSystemRoutersMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IoTSystemRoutersMember", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "IoT System, Routers", "label": "IoT System, Routers [Member]", "documentation": "IoT System, Routers" } } }, "auth_ref": [] }, "smtc_IoTSystemsAndConnectivityMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "IoTSystemsAndConnectivityMember", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails" ], "lang": { "en-us": { "role": { "terseLabel": "IoT Systems and Connectivity", "label": "IoT Systems And Connectivity [Member]", "documentation": "IoT Systems And Connectivity" } } }, "auth_ref": [] }, "us-gaap_LeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LeaseCost", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [
"http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Total lease cost", "label": "Lease, Cost", "documentation": "Amount of lease cost recognized by lessee for lease contract." } } }, "auth_ref": [ "r614", "r877" ] }, "us-gaap_LeaseCostTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LeaseCostTableTextBlock", "presentation": [ "http://www.semtech.com/role/LeasesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Lease, Cost", "label": "Lease, Cost [Table Text Block]", "documentation": "Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income." } } }, "auth_ref": [ "r1080" ] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Leases [Abstract]", "label": "Leases [Abstract]" } } }, "auth_ref": [] }, "dei_LegalEntityAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "LegalEntityAxis", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Legal Entity [Axis]", "label": "Legal Entity [Axis]", "documentation": "The set of legal entities associated with a report." } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": [ "http://www.semtech.com/role/LeasesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee, Operating Lease, Liability, Maturity", "label": "Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position." } } }, "auth_ref": [ "r1081" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/LeasesMaturityDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Total lease payments", "label": "Lessee, Operating Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": [ "r622" ] }, "smtc_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Lessee, Operating Lease, Liability Payments Due After Year Four", "documentation": "Lessee, Operating Lease, Liability Payments Due After Year Four" } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r622" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 5.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r622" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 6.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r622" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r622" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesMaturityDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "2025 (remaining six months)", "label": "Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year." } } }, "auth_ref": [ "r1081" ] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesMaturityDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesMaturityDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: imputed interest", "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": [ "r622" ] }, "us-gaap_LesseeOperatingLeaseRemainingLeaseTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseRemainingLeaseTerm", "presentation": [ "http://www.semtech.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee, Operating Lease, Remaining Lease Term", "label": "Lessee, Operating Lease, Remaining Lease Term", "documentation": "Remaining lease term of operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r1078" ] }, "us-gaap_LesseeOperatingLeaseRenewalTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeaseRenewalTerm", "presentation": [ "http://www.semtech.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Maximum renewal term", "label": "Lessee, Operating Lease, Renewal Term", "documentation": "Term of lessee's operating lease renewal, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r1079" ] }, "smtc_LesseeOperatingLeaseTerminationPeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LesseeOperatingLeaseTerminationPeriod", "presentation": [ "http://www.semtech.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Termination period", "label": "Lessee, Operating Lease, Termination Period", "documentation": "Lessee, Operating Lease, Termination Period" } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LesseeOperatingLeasesTextBlock", "presentation": [ "http://www.semtech.com/role/Leases" ], "lang": { "en-us": { "role": { "terseLabel": "Leases", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": [ "r609" ] }, "us-gaap_LetterOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LetterOfCreditMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details",
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Letter of Credit", "label": "Letter of Credit [Member]", "documentation": "A document typically issued by a financial institution which acts as a guarantee of payment to a beneficiary, or as the source of payment for a specific transaction (for example, wiring funds to a foreign exporter if and when specified merchandise is accepted pursuant to the terms of the letter of credit)." } } }, "auth_ref": [] }, "us-gaap_LiabilitiesAndStockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilitiesAndStockholdersEquity", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "TOTAL LIABILITIES AND EQUITY (DEFICIT)", "label": "Liabilities and Equity", "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any." } } }, "auth_ref": [ "r149", "r204", "r680", "r878", "r997", "r1017", "r1076" ] }, "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilitiesAndStockholdersEquityAbstract", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Liabilities and Equity (Deficit)", "label": "Liabilities and Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Total current liabilities", "label": "Liabilities, Current", "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer." } } }, "auth_ref": [ "r27", "r223", "r267", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r570", "r573", "r574", "r598", "r878", "r1040", "r1083", "r1084" ] }, "us-gaap_LiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilitiesCurrentAbstract", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Current liabilities:", "label": "Liabilities, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LiabilitiesNoncurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilitiesNoncurrentAbstract", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Non-current liabilities:", "label": "Liabilities, Noncurrent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LiabilityForUncertainTaxPositionsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LiabilityForUncertainTaxPositionsNoncurrent", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Total accrued taxes", "label": "Liability for Uncertainty in Income Taxes, Noncurrent", "documentation": "Amount recognized for uncertainty in income taxes classified as noncurrent." } } }, "auth_ref": [ "r31" ] }, "smtc_LiabilityForUncertainTaxPositionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LiabilityForUncertainTaxPositionsTableTextBlock", "presentation": [ "http://www.semtech.com/role/IncomeTaxesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Liability For Uncertain Tax Positions", "label": "Liability For Uncertain Tax Positions [Table Text Block]", "documentation": "Liability For Uncertain Tax Positions [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_LifeInsuranceCorporateOrBankOwnedChangeInValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LifeInsuranceCorporateOrBankOwnedChangeInValue", "crdr": "credit", "calculation": {
```

"http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Corporate-owned life insurance, net", "label": "Life Insurance, Corporate or Bank Owned, Change in Value", "documentation": "The change in cash surrender or contract value during the period which adjusted the amount of premiums paid in determining the expense or income recognized under the contract for the period." } } }, "auth_ref": ["r1018"] }, "us-gaap_LineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCredit", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details"], "lang": { "en-us": { "role": { "terseLabel": "Facilities, amount outstanding", "label": "Long-Term Line of Credit", "documentation": "The carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": ["r21", "r202", "r1092"] }, "smtc_LineOfCreditDecreaseInMaximumBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LineOfCreditDecreaseInMaximumBorrowingCapacity", "crdr": "debit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Line Of Credit, Decrease In Maximum Borrowing Capacity", "label": "Line Of Credit, Decrease In Maximum Borrowing Capacity", "documentation": "Line Of Credit, Decrease In Maximum Borrowing Capacity" } } }, "auth_ref": [] }, "us-gaap_LineOfCreditFacilityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityAxis", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Lender Name [Axis]", "label": "Lender Name [Axis]", "documentation": "Information by name of lender, which may be a single entity (for example, but not limited to, a bank, pension fund, venture capital firm) or a group of entities that participate in the line of credit." } } }, "auth_ref": ["r25", "r996"] }, "us-gaap_LineOfCreditFacilityLenderDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityLenderDomain", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Line of Credit Facility, Lender [Domain]", "label": "Line of Credit Facility, Lender [Domain]", "documentation": "Identification of the lender, which may be a single entity (for example, a bank, pension fund, venture capital firm) or a group of entities that participate in the line of credit, including a letter of credit facility." } } }, "auth_ref": ["r25", "r996"] }, "us-gaap_LineOfCreditFacilityLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityLineItems", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Line of Credit Facility [Line Items]", "label": "Line of Credit Facility [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r996"] }, "us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityMaximumBorrowingCapacity", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Facilities, maximum borrowing capacity", "label": "Line of Credit Facility, Maximum Borrowing Capacity", "documentation": "Maximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility." } } }, "auth_ref": ["r25"] }, "smtc_LineOfCreditFacilityMaximumBorrowingCapacityForeignCurrency": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LineOfCreditFacilityMaximumBorrowingCapacityForeignCurrency", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Maximum amount that can be used to obtain revolving loans and letters of credit in alternative currencies", "label": "Line Of Credit Facility, Maximum Borrowing Capacity, Foreign Currency", "documentation": "Line Of Credit Facility, Maximum Borrowing Capacity, Foreign Currency" } } }, "auth_ref": [] }, "us-gaap_LineOfCreditFacilityRemainingBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityRemainingBorrowingCapacity", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Undrawn revolving commitments", "label": "Line of Credit Facility, Remaining Borrowing Capacity", "documentation": "Amount of borrowing capacity currently available under the credit facility (current borrowing capacity less the amount of borrowings outstanding)." } } }, "auth_ref": ["r25"] }, "us-gaap_LineOfCreditFacilityTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditFacilityTable", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Line of Credit Facility [Table]", "label": "Line of Credit Facility [Table]", "documentation": "A table or schedule providing information pertaining to short-term or long-term contractual arrangements with lenders, including letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line." } } }, "auth_ref": ["r25", "r996"] }, "us-gaap_LineOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LineOfCreditMember", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Line of Credit", "label": "Line of Credit [Member]", "documentation": "A contractual arrangement with a lender under which borrowings can be made up to a specific amount at any point in time, and under which borrowings outstanding may be either short-term or long-term, depending upon the particulars." } } }, "auth_ref": [] }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "LocalPhoneNumber", "presentation": ["http://www.semtech.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Local Phone Number", "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": [] }, "us-gaap_LongMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongMember", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Buy Notional Value", "label": "Long [Member]", "documentation": "Indicates an ownership position in, or purchase of, a security." } } }, "auth_ref": [] }, "us-gaap_LongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongTermDebt", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt", "label": "Long-Term Debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation." } } }, "auth_ref": ["r21", "r202", "r466", "r481", "r859", "r860", "r1092"] }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term debt", "label": "Long-Term Debt, Excluding Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation." } } }, "auth_ref": ["r231"] }, "us-gaap_LongTermDebtPercentageBearingFixedInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongTermDebtPercentageBearingFixedInterestRate", "presentation": ["http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt fixed rate", "label": "Long-Term Debt, Percentage Bearing Fixed Interest, Percentage Rate", "documentation": "The interest rate applicable to the portion of the carrying amount of long-term borrowings outstanding as of the balance sheet date, including current maturities, which accrues interest at a set, unchanging rate." } } }, "auth_ref": ["r28"] }, "smtc_LongTermDebtPercentageBearingFloatingInterestPercentageRate": { "xbrltype": "percentItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "LongTermDebtPercentageBearingFloatingInterestPercentageRate", "presentation": ["http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Floating rate", "label": "Long-Term Debt, Percentage Bearing Floating Interest, Percentage Rate", "documentation": "Long-Term Debt, Percentage Bearing Floating Interest, Percentage Rate" } } }, "auth_ref": [] }, "us-gaap_LongtermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongtermDebtTypeAxis", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Axis]", "label": "Long-Term Debt, Type [Axis]", "documentation": "Information by type of long-term debt." } } }, "auth_ref": ["r30"] }, "us-gaap_LongtermDebtTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LongtermDebtTypeDomain", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/FairValueMeasurementsCarryingValueandFairValueofDebtDetails", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Domain]", "label": "Long-Term Debt, Type [Domain]", "documentation": "Type of long-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": ["r30", "r82"] }, "us-gaap_LossContingenciesByNatureOfContingencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingenciesByNatureOfContingencyAxis", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Nature [Axis]", "label": "Loss Contingency Nature [Axis]", "documentation": "Information by type of existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur." } } }, "auth_ref": ["r433", "r434", "r435", "r439", "r1035", "r1036"] }, "us-gaap_LossContingenciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingenciesLineItems", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies [Line Items]", "label": "Loss Contingencies [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r433", "r434", "r435", "r439", "r1035", "r1036"] }, "us-gaap_LossContingenciesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingenciesTable", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies [Table]", "label": "Loss Contingencies [Table]", "documentation": "Discloses the specific components (such as the nature, name, and date) of the loss contingency and gives an estimate of the possible loss or range of loss, or states that a reasonable estimate cannot be made. Excludes environmental contingencies, warranties and unconditional purchase obligations." } } }, "auth_ref": ["r433", "r434", "r435", "r439", "r1035", "r1036"] }, "us-gaap_LossContingencyAccrualAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingencyAccrualAtCarryingValue", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Accrual", "label": "Loss Contingency Accrual", "documentation": "Amount of loss contingency liability." } } }, "auth_ref": ["r433", "r971"] }, "us-gaap_LossContingencyDamagesSoughtValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingencyDamagesSoughtValue", "crdr": "debit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency, Damages Sought, Value", "label": "Loss Contingency, Damages Sought, Value", "documentation": "The value (monetary amount) of the award the plaintiff seeks in the legal matter." } } }, "auth_ref": ["r1034", "r1035", "r1036"] }, "us-gaap_LossContingencyEstimateOfPossibleLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingencyEstimateOfPossibleLoss", "crdr": "debit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss contingency, estimate of probable loss", "label": "Loss Contingency, Estimate of Possible Loss", "documentation": "Reflects the estimated amount of loss from the specified contingency as of the balance sheet date." } } }, "auth_ref": ["r434", "r435", "r438", "r439"] }, "us-gaap_LossContingencyNatureDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "LossContingencyNatureDomain", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency, Nature [Domain]", "label": "Loss Contingency, Nature [Domain]", "documentation": "An existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise

that will ultimately be resolved when one or more future events occur or fail to occur. Resolution of the uncertainty may confirm the incurrence of a loss or impairment of an asset or the incurrence of a liability." } } }, "auth_ref": ["r433", "r434", "r435", "r439", "r1035", "r1036"] }, "srt_MajorCustomersAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "MajorCustomersAxis", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Major Customers [Axis]", "label": "Customer [Axis]" } } }, "auth_ref": ["r340", "r866", "r1044", "r1093", "r1094"] }, "smtc_MarketPerformanceSharesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "MarketPerformanceSharesMember", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Market Performance Shares", "label": "Market Performance Shares [Member]", "documentation": "Market Performance Shares [Member]" } } }, "auth_ref": [] }, "srt_MaximumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "MaximumMember", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Maximum", "label": "Maximum [Member]" } } }, "auth_ref": ["r434", "r435", "r436", "r437", "r497", "r656", "r712", "r745", "r746", "r796", "r798", "r800", "r801", "r816", "r834", "r835", "r850", "r863", "r872", "r880", "r1042", "r1085", "r1086", "r1087", "r1088", "r1089", "r1090"] }, "ecd_MeasureAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "MeasureAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Measure:", "label": "Measure [Axis]" } } }, "auth_ref": ["r937"] }, "ecd_MeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "MeasureName", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Measure Name" } } }, "auth_ref": ["r937"] }, "srt_MinimumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "MinimumMember", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Minimum", "label": "Minimum [Member]" } } }, "auth_ref": ["r434", "r435", "r436", "r437", "r497", "r656", "r712", "r745", "r746", "r796", "r798", "r800", "r801", "r816", "r834", "r835", "r850", "r863", "r872", "r880", "r1042", "r1085", "r1086", "r1087", "r1088", "r1089", "r1090"] }, "us-gaap_MinorityInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "MinorityInterest", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Noncontrolling interest", "label": "Equity, Attributable to Noncontrolling Interest", "documentation": "Amount of equity (deficit) attributable to noncontrolling interest. Excludes temporary equity." } } }, "auth_ref": ["r36", "r203", "r267", "r378", "r440", "r443", "r444", "r445", "r451", "r452", "r598", "r679", "r756"] }, "us-gaap_MinorityInterestDecreaseFromDistributionsToNoncontrollingInterestHolders": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "MinorityInterestDecreaseFromDistributionsToNoncontrollingInterestHolders", "crdr": "debit", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Distribution to outside interest upon liquidation of a consolidated subsidiary", "label": "Noncontrolling Interest, Decrease from Distributions to Noncontrolling Interest Holders", "documentation": "Decrease in noncontrolling interest balance from payment of dividends or other distributions by the non-wholly owned subsidiary or partially owned entity, included in the consolidation of the parent entity, to the noncontrolling interest holders." } } }, "auth_ref": ["r183"] }, "ecd_MnpiDiscTimedForCompValFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "MnpiDiscTimedForCompValFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "MNPI Disclosure Timed for Compensation Value", "label": "MNPI Disclosure Timed for Compensation Value [Flag]" } } }, "auth_ref": ["r956"] }, "ecd_MtrlTermsOfTrdArrTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "MtrlTermsOfTrdArrTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Material Terms of Trading Arrangement", "label": "Material Terms of Trading Arrangement [Text Block]" } } }, "auth_ref": ["r964"] }, "srt_NameOfMajorCustomerDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "NameOfMajorCustomerDomain", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails"], "lang": { "en-us": { "role": { "terseLabel": "Name of Major Customer [Domain]", "label": "Customer [Domain]" } } }, "auth_ref": ["r340", "r866", "r1044", "r1093", "r1094"] }, "ecd_NamedExecutiveOfficersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NamedExecutiveOfficersFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Named Executive Officers, Footnote", "label": "Named Executive Officers, Footnote [Text Block]" } } }, "auth_ref": ["r938"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInFinancingActivities", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash (used in) provided by financing activities", "label": "Net Cash Provided by (Used in) Financing Activities", "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r262"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from financing activities:", "label": "Net Cash Provided by (Used in) Financing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in investing activities", "label": "Net Cash Provided by (Used in) Investing Activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": ["r262"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from investing activities:", "label": "Net Cash Provided by (Used in) Investing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in operating activities", "label": "Net Cash Provided by (Used in) Operating Activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities." } } }, "auth_ref": ["r168", "r169", "r170"] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetCashProvidedByUsedInOperatingActivitiesContinuingOperationsAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from operating activities:", "label": "Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "totalLabel": "Net loss attributable to common stockholders", "terseLabel": "Net loss attributable to common stockholders", "label": "Net Income (Loss) Attributable to Parent", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } }, "auth_ref": ["r157", "r170", "r206", "r221", "r244", "r247", "r252", "r267", "r277", "r279", "r280", "r282", "r283", "r287", "r288", "r298", "r311", "r325", "r331", "r334", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r587", "r598", "r686", "r774", "r791", "r792", "r849", "r892", "r1040"] }, "us-gaap_NetIncomeLossAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NetIncomeLossAttributableToNoncontrollingInterest", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_NetIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Net loss attributable to noncontrolling interest", "label": "Net Income (Loss) Attributable to Noncontrolling Interest", "documentation": "Amount of Net Income (Loss) attributable to noncontrolling interest." } } }, "auth_ref": ["r109", "r194", "r244", "r247", "r287", "r288", "r685", "r992"] }, "us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy"], "lang": { "en-us": { "role": { "terseLabel": "Recent Accounting Pronouncements", "label": "New Accounting Pronouncements, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] }, "smtc_NonEmployeeDirectorStockUnitAwardsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "NonEmployeeDirectorStockUnitAwardsMember", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Non-Employee Director Stock Unit Awards", "label": "Non-Employee Director Stock Unit Awards [Member]", "documentation": "Non-Employee Director Stock Unit Awards" } } }, "auth_ref": [] }, "ecd_NonGaapMeasureDescriptionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonGaapMeasureDescriptionTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-GAAP Measure Description", "label": "Non-GAAP Measure Description [Text Block]" } } }, "auth_ref": ["r937"] }, "ecd_NonNeosMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonNeosMember", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-NEOs", "label": "Non-NEOs [Member]" } } }, "auth_ref": ["r907", "r918", "r928", "r945", "r953"] }, "ecd_NonPeoNeoAvgCompActuallyPaidAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonPeoNeoAvgCompActuallyPaidAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Compensation Actually Paid Amount", "label": "Non-PEO NEO Average Compensation Actually Paid Amount" } } }, "auth_ref": ["r935"] }, "ecd_NonPeoNeoAvgTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonPeoNeoAvgTotalCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Total Compensation Amount", "label": "Non-PEO NEO Average Total Compensation Amount" } } }, "auth_ref": ["r934"] }, "ecd_NonPeoNeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonPeoNeoMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO", "label": "Non-PEO NEO [Member]" } } }, "auth_ref": ["r945"] }, "ecd_NonRule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonRule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted", "label": "Non-Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": ["r964"] }, "ecd_NonRule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "NonRule10b51ArrTrmntdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Terminated", "label": "Non-Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": ["r964"] }, "us-

gaap_NoncashInvestingAndFinancingItemsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NoncashInvestingAndFinancingItemsAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Non-cash investing and financing activities:", "label": "Noncash Investing and Financing Items [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NoncontrollingInterestMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NoncontrollingInterestMember", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Noncontrolling Interest", "label": "Noncontrolling Interest [Member]", "documentation": "This element represents that portion of equity (net assets) in a subsidiary not attributable, directly or indirectly, to the parent. A noncontrolling interest is sometimes called a minority interest." } } }, "auth_ref": ["r104", "r487", "r1000", "r1001", "r1002", "r1097"] }, "smtc_Noncurrentdeferredtaxassetmember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "Noncurrentdeferredtaxassetmember", "presentation": ["http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred tax assets - non-current", "label": "Non-current deferred tax asset [Member]", "documentation": "Non-current deferred tax asset [Member]" } } }, "auth_ref": [] }, "srt_NorthAmericaMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "NorthAmericaMember", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "North America", "label": "North America [Member]" } } }, "auth_ref": ["r1099", "r1100", "r1101", "r1102"] }, "us-gaap_NumberOfOperatingSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NumberOfOperatingSegments", "presentation": ["http://www.semtech.com/role/SegmentInformationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of operating segments", "label": "Number of Operating Segments", "documentation": "Number of operating segments. An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues." } } }, "auth_ref": ["r1006"] }, "us-gaap_NumberOfReportableSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "NumberOfReportableSegments", "presentation": ["http://www.semtech.com/role/SegmentInformationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of reportable segments", "label": "Number of Reportable Segments", "documentation": "Number of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements." } } }, "auth_ref": ["r1006"] }, "us-gaap_OneTimeTerminationBenefitsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OneTimeTerminationBenefitsMember", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "One-time employee termination benefits", "label": "One-time Termination Benefits [Member]", "documentation": "A lump sum payment to an involuntarily terminated employee in conjunction with exit or disposal activities." } } }, "auth_ref": ["r854", "r855", "r856", "r857"] }, "us-gaap_OperatingCostsAndExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingCostsAndExpensesAbstract", "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Operating expenses, net:", "label": "Operating Costs and Expenses [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingExpenses", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total operating expenses, net", "label": "Operating Expenses", "documentation": "Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Operating income (loss)", "label": "Operating Income (Loss)", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r311", "r325", "r331", "r334", "r849"] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseCost", "crdr": "debit", "calculation": { "http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease cost", "label": "Operating Lease, Cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": ["r615", "r877"] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseLiability", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesMaturityDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 }, "http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.semtech.com/role/LeasesMaturityDetails", "http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total operating lease liabilities", "terseLabel": "Total", "label": "Operating Lease, Liability", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r611"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease liabilities in \"Accrued liabilities\"", "label": "Operating Lease, Liability, Current", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current." } } }, "auth_ref": ["r611"] }, "us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes current operating lease liability." } } }, "auth_ref": ["r612"] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease liabilities in \"Other long-term liabilities\"", "label": "Operating Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } }, "auth_ref": ["r611"] }, "us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes noncurrent operating lease liability." } } }, "auth_ref": ["r612"] }, "us-gaap_OperatingLeasePayments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeasePayments", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash paid for amounts included in the measurement of lease liabilities", "label": "Operating Lease, Payments", "documentation": "Amount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use." } } }, "auth_ref": ["r613", "r618"] }, "us-gaap_OperatingLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseRightOfUseAsset", "crdr": "debit", "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease right-of-use assets in \"Other assets\"", "label": "Operating Lease, Right-of-Use Asset", "documentation": "Amount of lessee's right to use underlying asset under operating lease." } } }, "auth_ref": ["r610"] }, "us-gaap_OperatingLeaseRightOfUseAssetAmortizationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseRightOfUseAssetAmortizationExpense", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 8.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of right-of-use assets", "label": "Operating Lease, Right-of-Use Asset, Periodic Reduction", "documentation": "Amount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease." } } }, "auth_ref": ["r995"] }, "us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.semtech.com/role/LeasesSupplementalBalanceSheetInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes operating lease right-of-use asset." } } }, "auth_ref": ["r612"] }, "us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseWeightedAverageDiscountRatePercent", "presentation": ["http://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average discount rate on remaining lease payments\u2013operating leases", "label": "Operating Lease, Weighted Average Discount Rate, Percent", "documentation": "Weighted average discount rate for operating lease calculated at point in time." } } }, "auth_ref": ["r621", "r877"] }, "us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingLeaseWeightedAverageRemainingLeaseTerm1", "presentation": ["http://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average remaining lease term\u2013operating leases (in years)", "label": "Operating Lease, Weighted Average Remaining Lease Term", "documentation": "Weighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r620", "r877"] }, "us-gaap_OperatingSegmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OperatingSegmentsMember", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating Segments", "label": "Operating Segments [Member]", "documentation": "Identifies components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": ["r324", "r325", "r326", "r327", "r328", "r334"] }, "smtc_OrganizationAndBasisOfPresentationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "OrganizationAndBasisOfPresentationLineItems", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Organization And Basis Of Presentation [Line Items]", "label": "Organization And Basis Of Presentation [Line Items]", "documentation": "Organization And Basis Of Presentation [Line Items]" } } }, "auth_ref": [] }, "smtc_OrganizationAndBasisOfPresentationTable": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "OrganizationAndBasisOfPresentationTable", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Organization And Basis Of Presentation [Table]", "label": "Organization And Basis Of Presentation [Table]", "documentation": "Organization And Basis Of Presentation [Table]" } } }, "auth_ref": [] }, "us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Organization, Consolidation and Presentation of Financial Statements [Abstract]", "label": "Organization, Consolidation and Presentation of Financial Statements [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock", "presentation": [

```
"http://www.semtech.com/role/OrganizationandBasisofPresentation" ], "lang": { "en-us": { "role": { "terseLabel": "Organization and Basis of Presentation", "label": "Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block]", "documentation": "The entire disclosure for organization, consolidation and basis of presentation of financial statements disclosure." } } }, "auth_ref": [ "r140", "r192", "r724", "r725" ] }, "us-gaap_OtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherAssetsCurrent", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Other current assets", "label": "Other Assets, Current", "documentation": "Amount of current assets classified as other." } } }, "auth_ref": [ "r236", "r878" ] }, "us-gaap_OtherAssetsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherAssetsNoncurrent", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 5.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Other assets", "label": "Other Assets, Noncurrent", "documentation": "Amount of noncurrent assets classified as other." } } }, "auth_ref": [ "r229" ] }, "us-gaap_OtherCommitmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherCommitmentsLineItems", "presentation": [
"http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other Commitments [Line Items]", "label": "Other Commitments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_OtherCommitmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherCommitmentsTable", "presentation": [
"http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other Commitments [Table]", "label": "Other Commitments [Table]", "documentation": "Disclosure of information about obligations resulting from other commitments." } } }, "auth_ref": [] }, "us-gaap_OtherComprehensiveIncomeLossCashFlowHedgeGainLossBeforeReclassificationAfterTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherComprehensiveIncomeLossCashFlowHedgeGainLossBeforeReclassificationAfterTax", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTax", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Unrealized (loss) gain on cash flow hedges, net", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification, after Tax", "documentation": "Amount, after tax and before reclassification, of gain (loss) from derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness." } } }, "auth_ref": [ "r241", "r242" ] }, "us-gaap_OtherComprehensiveIncomeLossCashFlowHedgeGainLossReclassificationAfterTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherComprehensiveIncomeLossCashFlowHedgeGainLossReclassificationAfterTax", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTax", "weight": -1.0, "order": 4.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Reclassifications of realized gain (loss) on cash flow hedges, net to net income", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, after Tax", "documentation": "Amount, after tax, of reclassification of gain (loss) from accumulated other comprehensive income (AOCI) for derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness." } } }, "auth_ref": [ "r242", "r243" ] }, "us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTax", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "verboseLabel": "Cumulative translation adjustment", "label": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax", "documentation": "Amount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature." } } }, "auth_ref": [ "r3" ] }, "us-gaap_OtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited",
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Other comprehensive (loss) income, net:", "verboseLabel": "Other comprehensive income (loss)", "label": "Other Comprehensive Income (Loss), Net of Tax", "documentation": "Amount after tax and reclassification adjustments of other comprehensive income (loss)." } } }, "auth_ref": [ "r14", "r20", "r245", "r248", "r253", "r599", "r600", "r605", "r663", "r687", "r990", "r991" ] }, "us-gaap_OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentNetOfTax", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTax", "weight": -1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Change in defined benefit plans, net", "label": "Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, after Tax", "documentation": "Amount, after tax and reclassification adjustment, of (increase) decrease in accumulated other comprehensive income for defined benefit plan." } } }, "auth_ref": [ "r4", "r154" ] }, "us-gaap_OtherCurrentAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherCurrentAssetsMember", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails",
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other current assets", "label": "Other Current Assets [Member]", "documentation": "Primary financial statement caption encompassing other current assets." } } }, "auth_ref": [ "r116", "r127" ] }, "us-gaap_OtherCurrentLiabilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherCurrentLiabilitiesMember", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other current liabilities", "label": "Other Current Liabilities [Member]", "documentation": "Primary financial statement caption encompassing other current liabilities." } } }, "auth_ref": [] }, "us-gaap_OtherFiniteLivedIntangibleAssetsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherFiniteLivedIntangibleAssetsGross", "crdr": "debit", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Value at January 28, 2024", "periodEndLabel": "Value at July 28, 2024", "label": "Other Finite-Lived Intangible Assets, Gross", "documentation": "Amount before accumulated amortization of finite-lived intangible assets classified as other." } } }, "auth_ref": [ "r174" ] }, "us-gaap_OtherLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "label": "Other Liabilities, Noncurrent", "documentation": "Amount of liabilities classified as other, due after one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r31" ] }, "us-gaap_OtherNoncurrentAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherNoncurrentAssetsMember", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesScheduleofOtherAssetsDetails",
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other assets", "label": "Other Noncurrent Assets [Member]", "documentation": "Primary financial statement caption encompassing other noncurrent assets." } } }, "auth_ref": [] }, "us-gaap_OtherNoncurrentLiabilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherNoncurrentLiabilitiesMember", "presentation": [
"http://www.semtech.com/role/CommitmentsandContingenciesScheduleofLiabilityforDeferredCompensationDetailsDetails",
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryoftheCarryingValuesofDerivativeInstrumentsDetails",
"http://www.semtech.com/role/IncomeTaxesLiabilityForUncertainTaxPositionsDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "verboseLabel": "Other long-term liabilities", "label": "Other Noncurrent Liabilities [Member]", "documentation": "Primary financial statement caption encompassing other noncurrent liabilities." } } }, "auth_ref": [] }, "us-gaap_OtherNonoperatingIncomeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherNonoperatingIncomeExpense", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 4.0 } },
"presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Non-operating expense, net", "label": "Other Nonoperating Income (Expense)", "documentation": "Amount of income (expense) related to nonoperating activities, classified as other." } } }, "auth_ref": [ "r164" ] }, "ecd_OtherPerfMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "OtherPerfMeasureAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Other Performance Measure, Amount", "label": "Other Performance Measure, Amount" } } }, "auth_ref": [ "r937" ] }, "us-gaap_OtherRestructuringCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "OtherRestructuringCosts", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring", "label": "Other Restructuring Costs", "documentation": "Amount of other expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses associated with a discontinued operation or an asset retirement obligation." } } }, "auth_ref": [ "r10" ] },
"ecd_OutstandingAggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "OutstandingAggtErrCompAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Outstanding Aggregate Erroneous Compensation Amount", "label": "Outstanding Aggregate Erroneous Compensation Amount" } } }, "auth_ref": [ "r905", "r916", "r926", "r951" ] }, "ecd_OutstandingRecoveryCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "OutstandingRecoveryCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Compensation Amount", "label": "Outstanding Recovery Compensation Amount" } } }, "auth_ref": [ "r908", "r919", "r929", "r954" ] },
"ecd_OutstandingRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "OutstandingRecoveryIndName", "presentation": [
"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Outstanding Recovery, Individual Name" } } }, "auth_ref": [
"r908", "r919", "r929", "r954" ] }, "us-gaap_ParentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ParentMember", "presentation": [ "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Stockholders\u2019 Equity (Deficit)", "label": "Parent [Member]", "documentation": "Portion of equity, or net assets, in the consolidated entity attributable, directly or indirectly, to the parent. Excludes noncontrolling interests." } } }, "auth_ref": [] }, "ecd_PayVsPerformanceDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PayVsPerformanceDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Pay vs Performance Disclosure [Line Items]" } } }, "auth_ref": [ "r933" ] }, "us-gaap_PaymentsForDerivativeInstrumentFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsForDerivativeInstrumentFinancingActivities", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details" ], "lang": { "en-us": { "role": { "terseLabel": "Payments for derivative instrument", "label": "Payments for Derivative Instrument, Financing Activities", "documentation": "The cash outflow for derivative instruments during the period, which are classified as financing activities, excluding those designated as hedging instruments." } } }, "auth_ref": [ "r259", "r845" ] }, "us-gaap_PaymentsForRestructuring": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsForRestructuring", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/RestructuringActivityDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Cash payments", "label": "Payments for Restructuring", "documentation": "Amount of cash payments made as the result of exit or disposal activities. Excludes payments associated with a discontinued operation or an asset retirement obligation." } } }, "auth_ref": [ "r421", "r994" ] }, "us-gaap_PaymentsOfDebtExtinguishmentCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-
```

gaap/2023", "localname": "PaymentsOfDebtExtinguishmentCosts", "crdr": "credit", "presentation": ["http://www.semtech.com/role/LongTermDebtCreditAgreementDetails"], "lang": { "en-us": { "role": { "terseLabel": "Payment on Term Loans in connection with Third Amendment", "label": "Payment for Debt Extinguishment or Debt Prepayment Cost", "documentation": "Amount of cash outflow for cost from early extinguishment and prepayment of debt. Includes, but is not limited to, third-party cost, premium paid, and other fee paid to lender directly for debt extinguishment or debt prepayment. Excludes accrued interest." } } }, "auth_ref": ["r6"] }, "us-gaap_PaymentsOfFinancingCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsOfFinancingCosts", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Deferred financing costs", "label": "Payments of Financing Costs", "documentation": "The cash outflow for loan and debt issuance costs." } } }, "auth_ref": ["r44"] }, "us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Payments for employee share-based compensation payroll taxes", "label": "Payment, Tax Withholding, Share-Based Payment Arrangement", "documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": ["r258"] }, "us-gaap_PaymentsToAcquireBusinessesGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToAcquireBusinessesGross", "crdr": "credit", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash paid to to acquire business", "label": "Payments to Acquire Businesses, Gross", "documentation": "The cash outflow associated with the acquisition of business during the period. The cash portion only of the acquisition price." } } }, "auth_ref": ["r42", "r567"] }, "us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquired": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToAcquireBusinessesNetOfCashAcquired", "crdr": "credit", "presentation": ["http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total purchase price consideration, net of cash acquired $68,794", "label": "Payments to Acquire Businesses, Net of Cash Acquired", "documentation": "The cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase." } } }, "auth_ref": ["r42"] }, "us-gaap_PaymentsToAcquireIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToAcquireIntangibleAssets", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Purchase of intangibles", "label": "Payments to Acquire Intangible Assets", "documentation": "The cash outflow to acquire asset without physical form usually arising from contractual or other legal rights, excluding goodwill." } } }, "auth_ref": ["r167"] }, "us-gaap_PaymentsToAcquireInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToAcquireInvestments", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Purchase of investments", "label": "Payments to Acquire Investments", "documentation": "The cash outflow associated with the purchase of all investments (debt, security, other) during the period." } } }, "auth_ref": ["r166"] }, "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Purchase of property, plant and equipment", "label": "Payments to Acquire Property, Plant, and Equipment", "documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets." } } }, "auth_ref": ["r167"] }, "us-gaap_PaymentsToMinorityShareholders": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PaymentsToMinorityShareholders", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Distributions to noncontrolling interest", "label": "Payments to Noncontrolling Interests", "documentation": "Amount of cash outflow to a noncontrolling interest. Includes, but not limited to, reduction of noncontrolling interest ownership. Excludes dividends paid to the noncontrolling interest." } } }, "auth_ref": ["r44"] }, "smtc_PaymentsTowardsTheRemedialActionPlan": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "PaymentsTowardsTheRemedialActionPlan", "crdr": "credit", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate payments towards remediation plan to date", "label": "Payments Towards The Remedial Action Plan", "documentation": "Payments Towards The Remedial Action Plan" } } }, "auth_ref": [] }, "ecd_PeerGroupIssuersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeerGroupIssuersFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Issuers, Footnote", "label": "Peer Group Issuers, Footnote [Text Block]" } } }, "auth_ref": ["r936"] }, "ecd_PeerGroupTotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeerGroupTotalShareholderRtnAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Total Shareholder Return Amount", "label": "Peer Group Total Shareholder Return Amount" } } }, "auth_ref": ["r936"] }, "ecd_PeoActuallyPaidCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeoActuallyPaidCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "PEO Actually Paid Compensation Amount", "label": "PEO Actually Paid Compensation Amount" } } }, "auth_ref": ["r935"] }, "ecd_PeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeoMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "PEO", "label": "PEO [Member]" } } }, "auth_ref": ["r945"] }, "ecd_PeoName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeoName", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "PEO Name", "label": "PEO Name" } } }, "auth_ref": ["r938"] }, "ecd_PeoTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PeoTotalCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "PEO Total Compensation Amount", "label": "PEO Total Compensation Amount" } } }, "auth_ref": ["r934"] }, "us-gaap_PositionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PositionAxis", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Position [Axis]", "label": "Position [Axis]", "documentation": "Information by position taken for a security." } } }, "auth_ref": [] }, "us-gaap_PositionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PositionDomain", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Position [Domain]", "label": "Position [Domain]", "documentation": "Indicates position taken for a security." } } }, "auth_ref": [] }, "us-gaap_PrepaidTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PrepaidTaxes", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Prepaid taxes", "label": "Prepaid Taxes", "documentation": "Amount of asset related to consideration paid in advance for income and other taxes that provide economic benefits within a future period of one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r841", "r852", "r1019"] }, "us-gaap_ProceedsFromIssuanceOfWarrants": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromIssuanceOfWarrants", "crdr": "debit", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesDue2027Details"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from sale of warrants", "label": "Proceeds from Issuance of Warrants", "documentation": "The cash inflow from issuance of rights to purchase common shares at predetermined price (usually issued together with corporate debt)." } } }, "auth_ref": ["r5"] }, "us-gaap_ProceedsFromLifeInsurancePolicies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromLifeInsurancePolicies", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from corporate-owned life insurance", "label": "Proceeds from Life Insurance Policy", "documentation": "Amount of cash inflow for proceeds from settlement of corporate-owned life insurance policy, classified as investing activities. Includes, but is not limited to, bank-owned life insurance policy." } } }, "auth_ref": ["r8", "r40"] }, "us-gaap_ProceedsFromLinesOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromLinesOfCredit", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from revolving line of credit", "label": "Proceeds from Lines of Credit", "documentation": "Amount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements." } } }, "auth_ref": ["r43", "r996"] }, "us-gaap_ProceedsFromSaleOfLongtermInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromSaleOfLongtermInvestments", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from sale of investments", "label": "Proceeds from Sale of Long-Term Investments", "documentation": "The cash inflow from sales of all investments, including securities and other assets, having ready marketability and intended by management to be liquidated, if necessary, beyond the current operating cycle." } } }, "auth_ref": ["r973"] }, "us-gaap_ProceedsFromSaleOfPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromSaleOfPropertyPlantAndEquipment", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from sales of property, plant and equipment", "label": "Proceeds from Sale of Property, Plant, and Equipment", "documentation": "The cash inflow from the sale of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale." } } }, "auth_ref": ["r165"] }, "us-gaap_ProceedsFromStockOptionsExercised": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProceedsFromStockOptionsExercised", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from exercise of stock options", "label": "Proceeds from Stock Options Exercised", "documentation": "Amount of cash inflow from exercise of option under share-based payment arrangement." } } }, "auth_ref": ["r5", "r17"] }, "us-gaap_ProductConcentrationRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProductConcentrationRiskMember", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Product Concentration Risk", "label": "Product Concentration Risk [Member]", "documentation": "Reflects the percentage that revenues during the period from a specified product are to a specified benchmark, such as total net revenues, segment revenues or product line revenues. May also reflect the percentage contribution the product made to operating results. Risk is materially adverse effects of a loss of sales of a significant product or line of products, which could occur upon loss of rights to sell, distribute or license others; loss of patent or copyright protection; or technological obsolescence." } } }, "auth_ref": ["r57"] }, "smtc_ProductDevelopmentAndEngineeringMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ProductDevelopmentAndEngineeringMember", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Product development and engineering", "label": "Product Development And Engineering [Member]", "documentation": "Product Development And Engineering [Member]" } } }, "auth_ref": [] }, "us-gaap_ProductMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProductMember", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Product sales", "label": "Product [Member]", "documentation": "Article or substance produced by nature, labor or machinery." } } }, "auth_ref": ["r864"] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType",

```
"nsuri": "http://fasb.org/srt/2023", "localname": "ProductOrServiceAxis", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Product and Service [Axis]", "label": "Product and Service [Axis]" } } }, "auth_ref": [ "r336", "r658", "r706", "r707", "r708", "r709", "r710", "r711", "r837", "r864", "r879", "r976", "r1037", "r1038", "r1044", "r1093" ] }, "srt_ProductsAndServicesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "ProductsAndServicesDomain", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Product and Service [Domain]", "label": "Product and Service [Domain]" } } }, "auth_ref": [ "r336", "r658", "r706", "r707", "r708", "r709", "r710", "r711", "r837", "r864", "r879", "r976", "r1037", "r1038", "r1044", "r1093" ] }, "us-gaap_ProfitLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ProfitLoss", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_NetIncomeLoss", "weight": 1.0, "order": 1.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 2.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited", "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Net loss", "terseLabel": "Net loss", "label": "Net Income (Loss), Including Portion Attributable to Noncontrolling Interest", "documentation": "The consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest." } } }, "auth_ref": [ "r221", "r244", "r247", "r261", "r267", "r277", "r287", "r288", "r311", "r325", "r331", "r334", "r378", "r440", "r441", "r443", "r444", "r445", "r447", "r449", "r451", "r452", "r568", "r571", "r572", "r587", "r598", "r668", "r684", "r733", "r774", "r791", "r792", "r849", "r874", "r875", "r893", "r992", "r1040" ] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Property, plant and equipment, net of accumulated depreciation of $300,081 and $283,725, respectively", "label": "Property, Plant and Equipment, Net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": [ "r11", "r671", "r682", "r878" ] }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PvpTable", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure", "label": "Pay vs Performance Disclosure [Table]" } } }, "auth_ref": [ "r933" ] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "PvpTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure, Table", "label": "Pay vs Performance [Table Text Block]" } } }, "auth_ref": [ "r933" ] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RangeAxis", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Axis]", "label": "Statistical Measurement [Axis]" } } }, "auth_ref": [ "r434", "r435", "r436", "r437", "r490", "r497", "r527", "r528", "r529", "r632", "r656", "r712", "r745", "r746", "r796", "r798", "r800", "r801", "r816", "r834", "r835", "r850", "r863", "r872", "r880", "r883", "r1031", "r1042", "r1086", "r1087", "r1088", "r1089", "r1090" ] }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RangeMember", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Domain]", "label": "Statistical Measurement [Domain]" } } }, "auth_ref": [ "r434", "r435", "r436", "r437", "r490", "r497", "r527", "r528", "r529", "r632", "r656", "r712", "r745", "r746", "r796", "r798", "r800", "r801", "r816", "r834", "r835", "r850", "r863", "r872", "r880", "r883", "r1031", "r1042", "r1086", "r1087", "r1088", "r1089", "r1090" ] }, "us-gaap_ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward", "presentation": [ "http://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Reconciliation of Unrecognized Tax Benefits, Excluding Amounts Pertaining to Examined Tax Returns [Roll Forward]", "label": "Reconciliation of Unrecognized Tax Benefits, Excluding Amounts Pertaining to Examined Tax Returns [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "ecd_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Recovery of Erroneously Awarded Compensation Disclosure [Line Items]" } } }, "auth_ref": [ "r900", "r911", "r921", "r946" ] }, "us-gaap_RepaymentsOfLongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RepaymentsOfLongTermDebt", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "negatedLabel": "Payments of term loans", "label": "Repayments of Long-Term Debt", "documentation": "The cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer." } } }, "auth_ref": [ "r45", "r729" ] }, "us-gaap_ReportingUnitAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ReportingUnitAxis", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Reporting Unit [Axis]", "label": "Reporting Unit [Axis]", "documentation": "Information by reporting unit." } } }, "auth_ref": [ "r409", "r410", "r853" ] }, "us-gaap_ReportingUnitDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ReportingUnitDomain", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Reporting Unit [Domain]", "label": "Reporting Unit [Domain]", "documentation": "Level of reporting at which goodwill is tested for impairment." } } }, "auth_ref": [ "r409", "r410", "r853" ] }, "srt_RepurchaseAgreementCounterpartyNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RepurchaseAgreementCounterpartyNameDomain", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Domain]", "label": "Counterparty Name [Domain]" } } }, "auth_ref": [ "r270", "r271", "r457", "r484", "r625", "r843", "r844" ] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Product development\u00a0and engineering", "label": "Research and Development Expense", "documentation": "The aggregate costs incurred (1) in a planned search or critical investigation aimed at discovery of new knowledge with the hope that such knowledge will be useful in developing a new product or service, a new process or technique, or in bringing about a significant improvement to an existing product or process; or (2) to translate research findings or other knowledge into a plan or design for a new product or process or for a significant improvement to an existing product or process whether intended for sale or the entity's use, during the reporting period charged to research and development projects, including the costs of developing computer software up to the point in time of achieving technological feasibility, and costs allocated in accounting for a business combination to in-process projects deemed to have no alternative future use." } } }, "auth_ref": [ "r139", "r539", "r1091" ] }, "smtc_ResearchAndDevelopmentMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ResearchAndDevelopmentMember", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Research And Development [Member]", "documentation": "Research And Development" } } }, "auth_ref": [] }, "srt_RestatementAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RestatementAxis", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement [Axis]", "label": "Revision of Prior Period [Axis]" } } }, "auth_ref": [ "r218", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r284", "r285", "r286", "r287", "r288", "r289", "r305", "r380", "r381", "r558", "r584", "r585", "r586", "r587", "r608", "r623", "r624", "r713", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r726" ] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "RestatementDateAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date:", "label": "Restatement Determination Date [Axis]" } } }, "auth_ref": [ "r901", "r912", "r922", "r947" ] }, "ecd_RestatementDeterminationDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "RestatementDeterminationDate", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date" } } }, "auth_ref": [ "r902", "r913", "r923", "r948" ] }, "ecd_RestatementDoesNotRequireRecoveryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement does not require Recovery", "label": "Restatement Does Not Require Recovery [Text Block]" } } }, "auth_ref": [ "r909", "r920", "r930", "r955" ] }, "srt_RestatementDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RestatementDomain", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement [Domain]", "label": "Revision of Prior Period [Domain]" } } }, "auth_ref": [ "r218", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r284", "r285", "r286", "r287", "r288", "r289", "r305", "r380", "r381", "r558", "r584", "r585", "r586", "r587", "r608", "r623", "r624", "r713", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r726" ] }, "us-gaap_RestrictedStockUnitsRSUMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestrictedStockUnitsRSUMember", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock Units", "label": "Restricted Stock Units (RSUs) [Member]", "documentation": "Share instrument which is convertible to stock or an equivalent amount of cash, after a specified period of time or when specified performance conditions are met." } } }, "auth_ref": [] }, "smtc_RestrictedStockUnitsRSUsCashSettlementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "RestrictedStockUnitsRSUsCashSettlementMember", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock Units (RSUs), Cash Settlement", "label": "Restricted Stock Units (RSUs), Cash Settlement [Member]", "documentation": "Restricted Stock Units (RSUs), Cash Settlement" } } }, "auth_ref": [] }, "smtc_RestrictedStockUnitsRSUsShareSettlementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "RestrictedStockUnitsRSUsShareSettlementMember", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock Units (RSUs), Share Settlement", "label": "Restricted Stock Units (RSUs), Share Settlement [Member]", "documentation": "Restricted Stock Units (RSUs), Share Settlement" } } }, "auth_ref": [] }, "us-gaap_RestructuringAndRelatedActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringAndRelatedActivitiesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Restructuring and Related Activities [Abstract]", "label": "Restructuring and Related Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RestructuringAndRelatedActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringAndRelatedActivitiesDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/Restructuring" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring", "label": "Restructuring and Related Activities Disclosure [Text Block]", "documentation": "The entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled." } } }, "auth_ref": [ "r418", "r419", "r421", "r424", "r430" ] }, "us-gaap_RestructuringCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringCharges", "crdr": "debit", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails", "http://www.semtech.com/role/RestructuringActivityDetails", "http://www.semtech.com/role/RestructuringNarrativeDetails", "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring", "verboseLabel": "Restructuring expense", "label": "Restructuring Charges", "documentation": "Amount of expenses associated with exit
```

or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r10", "r425", "r427", "r1032"] }, "us-gaap_RestructuringCostAndReserveAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringCostAndReserveAxis", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Type [Axis]", "label": "Restructuring Type [Axis]", "documentation": "Information by type of restructuring cost." } } }, "auth_ref": ["r420", "r421", "r427", "r428"] }, "us-gaap_RestructuringCostAndReserveLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringCostAndReserveLineItems", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails", "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Cost and Reserve [Line Items]", "label": "Restructuring Cost and Reserve [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r420", "r421", "r422", "r423", "r427", "r428", "r429"] }, "smtc_RestructuringMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "RestructuringMember", "presentation": ["http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring", "label": "Restructuring [Member]", "documentation": "Restructuring" } } }, "auth_ref": [] }, "us-gaap_RestructuringReserve": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringReserve", "crdr": "credit", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails"], "lang": { "en-us": { "role": { "periodStartLabel": "Balance at January 28, 2024", "periodEndLabel": "Balance at July 28, 2024", "label": "Restructuring Reserve", "documentation": "Carrying amount (including both current and noncurrent portions of the accrual) as of the balance sheet date pertaining to a specified type of cost associated with exit from or disposal of business activities or restructuring pursuant to a duly authorized plan." } } }, "auth_ref": ["r421", "r426"] }, "us-gaap_RestructuringReserveRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RestructuringReserveRollForward", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Reserve [Roll Forward]", "label": "Restructuring Reserve [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Retained deficit", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r146", "r183", "r678", "r717", "r722", "r730", "r755", "r878"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RetainedEarningsMember", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Retained Earnings (Deficit)", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r217", "r274", "r275", "r276", "r278", "r286", "r288", "r379", "r382", "r535", "r536", "r537", "r557", "r558", "r577", "r579", "r580", "r582", "r585", "r713", "r715", "r734", "r1097"] }, "us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net sales", "label": "Revenue from Contract with Customer, Excluding Assessed Tax", "documentation": "Amount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise." } } }, "auth_ref": ["r312", "r313", "r324", "r329", "r330", "r336", "r338", "r340", "r488", "r489", "r658"] }, "us-gaap_RevenuesFromExternalCustomersAndLongLivedAssetsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RevenuesFromExternalCustomersAndLongLivedAssetsLineItems", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenues from External Customers and Long-Lived Assets [Line Items]", "label": "Revenues from External Customers and Long-Lived Assets [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "srt_RevisionOfPriorPeriodReclassificationAdjustmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "RevisionOfPriorPeriodReclassificationAdjustmentMember", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revision of Prior Period, Reclassification, Adjustment", "label": "Revision of Prior Period, Reclassification, Adjustment [Member]" } } }, "auth_ref": ["r219"] }, "us-gaap_RevolvingCreditFacilityMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RevolvingCreditFacilityMember", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revolving loans", "label": "Revolving Credit Facility [Member]", "documentation": "Arrangement in which loan proceeds can continuously be obtained following repayments, but the total amount borrowed cannot exceed a specified maximum amount." } } }, "auth_ref": [] }, "smtc_RevolvingLoansAndNonUsDollarsLcMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "RevolvingLoansAndNonUsDollarsLcMember", "presentation": ["http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details"], "lang": { "en-us": { "role": { "terseLabel": "Revolving Loans and Non-US Dollars LC", "label": "Revolving Loans and Non-US Dollars LC [Member]", "documentation": "Revolving Loans and Non-US Dollars LC [Member]" } } }, "auth_ref": [] }, "us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crdr": "debit", "presentation": ["http://www.semtech.com/role/LeasesSupplementalCashFlowInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Right-of-use assets obtained in exchange for new operating lease liabilities", "label": "Right-of-Use Asset Obtained in Exchange for Operating Lease Liability", "documentation": "Amount of increase in right-of-use asset obtained in exchange for operating lease liability." } } }, "auth_ref": ["r619", "r877"] }, "us-gaap_RisksAndUncertainties Abstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "RisksAndUncertainties Abstract", "lang": { "en-us": { "role": { "terseLabel": "Risks and Uncertainties [Abstract]", "label": "Risks and Uncertainties [Abstract]" } } }, "auth_ref": [] }, "ecd_Rule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "Rule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Adopted", "label": "Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": ["r964"] }, "ecd_Rule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "Rule10b51ArrTrmntdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": ["r964"] }, "us-gaap_SalesRevenueNetMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SalesRevenueNetMember", "presentation": ["http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net sales", "label": "Revenue Benchmark [Member]", "documentation": "Revenue from sale of product and rendering of service and other sources of income, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": ["r340", "r974"] }, "srt_ScenarioForecastMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "ScenarioForecastMember", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Forecast", "label": "Forecast [Member]" } } }, "auth_ref": ["r498", "r1003"] }, "srt_ScenarioUnspecifiedDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "ScenarioUnspecifiedDomain", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Scenario [Domain]", "label": "Scenario [Domain]" } } }, "auth_ref": ["r289", "r498", "r971", "r1003"] }, "us-gaap_ScheduleOfAcquiredFiniteLivedIntangibleAssetsByMajorClassTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfAcquiredFiniteLivedIntangibleAssetsByMajorClassTextBlock", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Acquired Finite-Lived Intangible Assets", "label": "Schedule of Acquired Finite-Lived Intangible Assets by Major Class [Table Text Block]", "documentation": "Tabular disclosure of the characteristics, including initial carrying value, residual amount, weighted average useful life, of finite-lived intangible assets acquired during the period by major class. A major class is composed of intangible assets that can be grouped together because they are similar, either by nature or by their use in the operations of the company." } } }, "auth_ref": ["r73"] }, "us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable", "presentation": ["http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table]", "label": "Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table]", "documentation": "Schedule for securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by Antidilutive Securities." } } }, "auth_ref": ["r52"] }, "us-gaap_ScheduleOfAvailableForSaleSecuritiesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfAvailableForSaleSecuritiesLineItems", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Securities, Available-for-sale [Line Items]", "label": "Debt Securities, Available-for-Sale [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357"] }, "us-gaap_ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "presentation": ["http://www.semtech.com/role/AvailableforsalesecuritiesTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Investments", "label": "Schedule of Available-for-Sale Securities Reconciliation [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation of available-for-sale securities from cost basis to fair value." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": ["http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Business Acquisitions, by Acquisition [Table]", "label": "Schedule of Business Acquisitions, by Acquisition [Table]", "documentation": "Schedule reflecting each material business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities." } } }, "auth_ref": ["r96", "r97", "r565"] }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock", "presentation": ["http://www.semtech.com/role/AcquisitionTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Business Acquisitions, by Acquisition", "label": "Schedule of Business Acquisitions, by Acquisition [Table Text Block]", "documentation": "Tabular disclosure of a material business combination completed during the period, including background, timing, and recognized assets and liabilities. This table does not include leveraged buyouts." } } }, "auth_ref": ["r96", "r97"] }, "us-gaap_ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Carrying Values and Estimated Fair Values of Debt Instruments", "label": "Schedule of Carrying Values and Estimated Fair Values of Debt Instruments [Table Text Block]", "documentation": "Tabular disclosure of information pertaining to carrying amount and estimated fair value of short-term and long-term debt instruments or arrangements, including but not limited to, identification of terms, features, and collateral requirements." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfDebtInstrumentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfDebtInstrumentsTextBlock", "presentation": ["http://www.semtech.com/role/LongTermDebtTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Long-term Debt", "label": "Schedule of Long-Term Debt Instruments [Table Text Block]", "documentation": "Tabular disclosure

of long-debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the entity, if longer." } } }, "auth_ref": ["r30", "r85", "r86", "r133", "r134", "r136", "r138", "r180", "r182", "r859", "r861", "r999"] }, "us-gaap_ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTextBlock", "presentation": ["http://www.semtech.com/role/DerivativesandHedgingActivitiesTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of the Carrying Values of Derivative Instruments", "label": "Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block]", "documentation": "Tabular disclosure of the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position." } } }, "auth_ref": ["r118"] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": ["http://www.semtech.com/role/LossperShareTables"], "lang": { "en-us": { "role": { "verboseLabel": "Computation of Basic and Diluted Earnings Per Common Share", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth_ref": ["r1004"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "documentation": "Disclosure of information about amount recognized for award under share-based payment arrangement. Includes, but is not limited to, amount expensed in statement of income or comprehensive income, amount capitalized in statement of financial position, and corresponding reporting line item in financial statements." } } }, "auth_ref": ["r92"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Allocation Of Stock-Based Compensation", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block]", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r92"] }, "us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTable", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails", "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue from External Customers by Products and Services [Table]", "label": "Revenue from External Customers by Products and Services [Table]", "documentation": "Tabular presentation of the description and amount of revenues from a product or service, or a group of similar products or similar services, reported from external customers during the period, if the information is not provided as part of the reportable operating segment information." } } }, "auth_ref": ["r67"] }, "us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock", "presentation": ["http://www.semtech.com/role/SegmentInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Net Sales by Type", "label": "Revenue from External Customers by Products and Services [Table Text Block]", "documentation": "Tabular disclosure of entity-wide revenues from external customers for each product or service or each group of similar products or services if the information is not provided as part of the reportable operating segment information." } } }, "auth_ref": ["r67"] }, "us-gaap_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "presentation": ["http://www.semtech.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis", "label": "Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r589", "r590"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTable", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Finite-Lived Intangible Assets [Table]", "label": "Schedule of Finite-Lived Intangible Assets [Table]", "documentation": "Schedule of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": ["r73", "r75", "r659"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Finite-Lived Intangible Assets", "label": "Schedule of Finite-Lived Intangible Assets [Table Text Block]", "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment." } } }, "auth_ref": ["r73", "r75"] }, "us-gaap_ScheduleOfGoodwillTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfGoodwillTable", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails", "http://www.semtech.com/role/GoodwillandIntangibleAssetsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Goodwill [Table]", "label": "Schedule of Goodwill [Table]", "documentation": "Schedule of goodwill and the changes during the year due to acquisition, sale, impairment or for other reasons." } } }, "auth_ref": ["r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r409", "r410", "r853"] }, "us-gaap_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfGoodwillTextBlock", "presentation": ["http://www.semtech.com/role/GoodwillandIntangibleAssetsTables"], "lang": { "en-us": { "role": { "terseLabel": "Changes in Carrying Amounts of Goodwill", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule." } } }, "auth_ref": ["r853", "r1020", "r1021", "r1022", "r1023", "r1024", "r1025", "r1026", "r1027", "r1028", "r1029", "r1030"] }, "us-gaap_ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "presentation": ["http://www.semtech.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Regional Income (Loss) From Continuing Operations Before Income Taxes", "label": "Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block]", "documentation": "Tabular disclosure of income before income tax between domestic and foreign jurisdictions." } } }, "auth_ref": ["r998"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://www.semtech.com/role/InventoriesTables"], "lang": { "en-us": { "role": { "verboseLabel": "Summary of Inventories", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r23", "r150", "r151", "r152"] }, "smtc_ScheduleOfLiabilityForDeferredCompensationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ScheduleOfLiabilityForDeferredCompensationTableTextBlock", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Liability for Deferred Compensation", "label": "Schedule of Liability for Deferred Compensation [Table Text Block]", "documentation": "Schedule of Liability for Deferred Compensation [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfOtherAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfOtherAssetsTableTextBlock", "presentation": ["http://www.semtech.com/role/CommitmentsandContingenciesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Other Assets", "label": "Schedule of Other Assets [Table Text Block]", "documentation": "Tabular disclosure of the carrying amounts of other assets. This disclosure includes other current assets and other noncurrent assets." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfRestructuringAndRelatedCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfRestructuringAndRelatedCostsTable", "presentation": ["http://www.semtech.com/role/RestructuringActivityDetails", "http://www.semtech.com/role/RestructuringScheduleofRestructuringChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Restructuring and Related Costs [Table]", "label": "Schedule of Restructuring and Related Costs [Table]", "documentation": "Table presenting the description of the restructuring costs, such as the expected cost; the costs incurred during the period; the cumulative costs incurred as of the balance sheet date; the income statement caption within which the restructuring charges recognized for the period are included; and the amount of and periodic changes to an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost by type of restructuring." } } }, "auth_ref": ["r420", "r421", "r422", "r423", "r427", "r428", "r429"] }, "us-gaap_ScheduleOfRestructuringAndRelatedCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfRestructuringAndRelatedCostsTextBlock", "presentation": ["http://www.semtech.com/role/RestructuringTables"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring and Related Costs", "label": "Restructuring and Related Costs [Table Text Block]", "documentation": "Tabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets." } } }, "auth_ref": ["r78", "r79", "r80"] }, "us-gaap_ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "presentation": ["http://www.semtech.com/role/SegmentInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Net Sales Activity By Geographic Region", "label": "Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block]", "documentation": "Tabular disclosure of the names of foreign countries from which revenue is material and the amount of revenue from external customers attributed to those countries. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": ["r69", "r159"] }, "us-gaap_ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsTable", "presentation": ["http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Revenues from External Customers and Long-Lived Assets [Table]", "label": "Schedule of Revenues from External Customers and Long-Lived Assets [Table]", "documentation": "Schedule of material long-lived assets (excluding financial instruments, customer relationships with financial institutions, mortgage and other servicing rights, deferred policy acquisition costs, and deferred taxes assets) located in identified geographic areas and/or the amount of revenue from external customers attributed to that country from which revenue is material. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": ["r68", "r155"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfSegmentReportingInformationBySegmentTextBlock", "presentation": ["http://www.semtech.com/role/SegmentInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Net Sales by Segment", "label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": ["r64", "r65", "r66", "r70"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table]", "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": ["r500", "r502", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513",

```
"r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530" ] }, "us-gaap_ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock", "presentation": [ "http://www.semtech.com/role/GoodwillandIntangibleAssetsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Future Amortization of Intangible Asset", "label": "Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block]", "documentation": "Tabular disclosure of the amount of amortization expense expected to be recorded in succeeding fiscal years for finite-lived intangible assets." } } }, "auth_ref": [ "r75" ] }, "us-gaap_SchedulesOfConcentrationOfRiskByRiskFactorTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SchedulesOfConcentrationOfRiskByRiskFactorTextBlock", "presentation": [ "http://www.semtech.com/role/ConcentrationofRiskTables" ], "lang": { "en-us": { "role": { "verboseLabel": "Schedule Of Significant Customers Accounting For At Least 10% Of Net Sales", "label": "Schedules of Concentration of Risk, by Risk Factor [Table Text Block]", "documentation": "Tabular disclosure of the nature of a concentration, a benchmark to which it is compared, and the percentage that the risk is to the benchmark." } } }, "auth_ref": [ "r54", "r55", "r59", "r60", "r131", "r198" ] }, "us-gaap_SecuredDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SecuredDebtMember", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Secured Debt", "label": "Secured Debt [Member]", "documentation": "Collateralized debt obligation backed by, for example, but not limited to, pledge, mortgage or other lien on the entity's assets." } } }, "auth_ref": [] }, "smtc_SecuredOvernightFinancingRateSOFRMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SecuredOvernightFinancingRateSOFRMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Secured Overnight Financing Rate (SOFR)", "label": "Secured Overnight Financing Rate (SOFR) [Member]", "documentation": "Secured Overnight Financing Rate (SOFR)" } } }, "auth_ref": [] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "Security12bTitle", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": [ "r895" ] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2023", "localname": "SecurityExchangeName", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Security Exchange Name", "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": [ "r897" ] }, "us-gaap_SegmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SegmentDomain", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Segments [Domain]", "label": "Segments [Domain]", "documentation": "Components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": [ "r308", "r311", "r312", "r313", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r322", "r324", "r325", "r326", "r327", "r328", "r329", "r330", "r331", "r332", "r334", "r340", "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r423", "r429", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r705", "r853", "r976", "r1093" ] }, "srt_SegmentGeographicalDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "SegmentGeographicalDomain", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails", "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Domain]", "label": "Geographical [Domain]" } } }, "auth_ref": [ "r338", "r339", "r738", "r741", "r743", "r797", "r799", "r802", "r819", "r825", "r826", "r827", "r828", "r829", "r830", "r831", "r832", "r833", "r838", "r865", "r883", "r1044", "r1093" ] }, "us-gaap_SegmentReportingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SegmentReportingAbstract", "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting [Abstract]", "label": "Segment Reporting [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SegmentReportingDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SegmentReportingDisclosureTextBlock", "presentation": [ "http://www.semtech.com/role/SegmentInformation" ], "lang": { "en-us": { "role": { "terseLabel": "Segment Information", "label": "Segment Reporting Disclosure [Text Block]", "documentation": "The entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": [ "r307", "r308", "r309", "r310", "r311", "r323", "r328", "r332", "r333", "r334", "r335", "r336", "r337", "r340" ] }, "smtc_SellUSDBuyCADForwardContractMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SellUSDBuyCADForwardContractMember", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Sell USD/Buy CAD Forward Contract", "label": "Sell USD/Buy CAD Forward Contract [Member]", "documentation": "Sell USD/Buy CAD Forward Contract [Member]" } } }, "auth_ref": [] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Selling, general\u00a0and administrative", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": [ "r162" ] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.semtech.com/role/OrganizationandBasisofPresentationDetails", "http://www.semtech.com/role/ShareBasedCompensationAllocationofShareBasedCompensationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Selling, General and Administrative Expenses", "netLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_ServiceMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ServiceMember", "presentation": [ "http://www.semtech.com/role/SegmentInformationNetSalesbyTypeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Service revenue", "label": "Service [Member]", "documentation": "Assistance, including, but not limited to, technology, license and maintenance, license and service, maintenance, oil and gas, and financial service." } } }, "auth_ref": [ "r864" ] }, "smtc_SettledInCashMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SettledInCashMember", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Settled In Cash", "label": "Settled In Cash [Member]", "documentation": "Settled In Cash" } } }, "auth_ref": [] }, "smtc_SettledWithSharesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SettledWithSharesMember", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Settled With Shares", "label": "Settled With Shares [Member]", "documentation": "Settled With Shares" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 9.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Share-based compensation", "label": "Share-Based Payment Arrangement, Noncash Expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": [ "r9" ] }, "us-gaap_ShareBasedCompensationAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationAbstract", "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement, Noncash Expense [Abstract]", "label": "Share-Based Payment Arrangement, Noncash Expense [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Award vesting period", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period", "documentation": "Period over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition." } } }, "auth_ref": [ "r873" ] }, "smtc_ShareBasedCompensationArrangementByShareBasedPaymentAwardClosingSharePriceUsedToDetermineMarketCondition": { "xbrltype": "perShareItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardClosingSharePriceUsedToDetermineMarketCondition", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Closing share price used to determine market condition", "label": "Share-based Compensation Arrangement by Share-based Payment Award, Closing Share Price Used to Determine Market Condition", "documentation": "Share-based Compensation Arrangement by Share-based Payment Award, Closing Share Price Used to Determine Market Condition" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Shares forfeited", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period." } } }, "auth_ref": [ "r521" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Equity awards granted (in units)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period", "documentation": "The number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)." } } }, "auth_ref": [ "r519" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Grant date fair value per unit (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value", "documentation": "The weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)." } } }, "auth_ref": [ "r519" ] }, "smtc_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsPerformanceLevelPercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsPerformanceLevelPercentage", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Performance level percentage", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Performance Level Percentage", "documentation": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Performance Level Percentage" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsShareBasedLiabilitiesPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsShareBasedLiabilitiesPaid", "crdr": "credit", "presentation": [
```

"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share liabilities paid to settle shares", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Share-Based Liabilities Paid", "documentation": "Amount of cash paid to settle liability for award under share-based payment arrangement." } } }, "auth_ref": ["r523"] },
"smtc_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedAndUnsettledInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedAndUnsettledInPeriod", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of vested but unsettled awards (in shares)", "label": "Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested and Unsettled in Period", "documentation": "Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested and Unsettled" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-based Compensation Arrangement by Share-based Payment Award [Line Items]", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r500", "r502", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAvailableForGrant": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAvailableForGrant", "presentation": [
"http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Maximum potential number of shares that can be earned (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant", "documentation": "The difference between the maximum number of shares (or other type of equity) authorized for issuance under the plan (including the effects of amendments and adjustments), and the sum of: 1) the number of shares (or other type of equity) already issued upon exercise of options or other equity-based awards under the plan; and 2) shares (or other type of equity) reserved for issuance on granting of outstanding awards, net of cancellations and forfeitures, if applicable." } } }, "auth_ref": ["r91"] }, "smtc_ShareBasedCompensationArrangementByShareBasedPaymentAwardPerformanceSharesPerformancePeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"ShareBasedCompensationArrangementByShareBasedPaymentAwardPerformanceSharesPerformancePeriod", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Performance period", "label": "Share-based Compensation Arrangement by Share-based Payment Award, Performance Shares, Performance Period", "documentation": "Share-based Compensation Arrangement by Share-based Payment Award, Performance Shares, Performance Period" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain", "presentation": [
"http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails",
"http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Award Type [Domain]", "label": "Award Type [Domain]", "documentation": "Award under share-based payment arrangement." } } }, "auth_ref": ["r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530"] }, "us-gaap_ShareBasedCompensationAwardTrancheOneMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationAwardTrancheOneMember", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Performance Period One", "label": "Share-Based Payment Arrangement, Tranche One [Member]", "documentation": "First portion of award under share-based payment arrangement differentiated by vesting feature, including, but not limited to, performance measure or service period." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationAwardTrancheThreeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationAwardTrancheThreeMember", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Performance Period Three", "label": "Share-Based Payment Arrangement, Tranche Three [Member]", "documentation": "Third portion of award under share-based payment arrangement differentiated by vesting feature, including, but not limited to, performance measure or service period." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationAwardTrancheTwoMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationAwardTrancheTwoMember", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Performance Period Two", "label": "Share-Based Payment Arrangement, Tranche Two [Member]", "documentation": "Second portion of award under share-based payment arrangement differentiated by vesting feature, including, but not limited to, performance measure or service period." } } }, "auth_ref": [] }, "smtc_ShareBasedCompensationSettlementTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ShareBasedCompensationSettlementTypeAxis", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation Settlement Type [Axis]", "label": "Share-Based Compensation Settlement Type [Axis]", "documentation": "Share-Based Compensation Settlement Type" } } }, "auth_ref": [] },
"smtc_ShareBasedCompensationSettlementTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"ShareBasedCompensationSettlementTypeDomain", "presentation": ["http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation Settlement Type [Domain]", "label": "Share-Based Compensation Settlement Type [Domain]", "documentation": "Share-Based Compensation Settlement Type [Domain]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedPaymentArrangementEmployeeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedPaymentArrangementEmployeeMember", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Employees", "label": "Share-Based Payment Arrangement, Employee [Member]", "documentation": "Recipient, of award granted under share-based payment arrangement, over whom grantor exercises or has right to exercise sufficient control to establish employer-employee relationship based on law of pertinent jurisdiction. Includes, but is not limited to, nonemployee director treated as employee when acting as member of board of directors, if elected by grantor's shareholders or appointed to board position to be filled by shareholder election when existing term expires." } } }, "auth_ref": ["r502", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530"] }, "us-gaap_ShareBasedPaymentArrangementNonemployeeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedPaymentArrangementNonemployeeMember", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Non-Employee Directors", "label": "Share-Based Payment Arrangement, Nonemployee [Member]", "documentation": "Recipient, of award granted under share-based payment arrangement, over whom grantor does not exercise nor has right to exercise sufficient control to establish employer-employee relationship based on law of pertinent jurisdiction. Excludes nonemployee director treated as employee when acting as member of board of directors, if elected by grantor's shareholders or appointed to board position to be filled by shareholder election when existing term expires." } } }, "auth_ref": ["r500", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530"] }, "smtc_ShareBasedPaymentArrangementSharesSettled": { "xbrltype": "sharesItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "ShareBasedPaymentArrangementSharesSettled", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Shares settled", "label": "Share-Based Payment Arrangement, Shares Settled", "documentation": "Share-Based Payment Arrangement, Shares Settled" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingRightsPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingRightsPercentage", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Award vesting rights, percentage", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage", "documentation": "Percentage of vesting of award under share-based payment arrangement." } } }, "auth_ref": ["r1046"] },
"smtc_SharebasedCompensationArrangementbyShareBasedPaymentAwardEquityInstrumentsOtherthanOptionsPerformancePeriod", { "xbrltype", "durationItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"SharebasedCompensationArrangementbyShareBasedPaymentAwardEquityInstrumentsOtherthanOptionsPerformancePeriod", "presentation": [
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Performance period", "label": "Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Performance Period", "documentation": "Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Performance Period" } } }, "auth_ref": [] }, "us-gaap_ShortMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShortMember", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesSummaryofOpenForeignCurrencyContractsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Sell Notional Value", "label": "Short [Member]", "documentation": "Indicates the sale of a borrowed security or written option." } } }, "auth_ref": [] }, "us-gaap_ShortTermLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "ShortTermLeaseCost", "crdr": "debit", "calculation": {
"http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Short-term lease cost", "label": "Short-Term Lease Cost", "documentation": "Amount of short-term lease cost, excluding expense for lease with term of one month or less." } } }, "auth_ref": ["r616", "r877"] },
"smtc_SierraWirelessMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SierraWirelessMember", "presentation": [
"http://www.semtech.com/role/AcquisitionNarrativeDetails", "http://www.semtech.com/role/AcquisitionScheduleofMeasurementPeriodAdjustmentsDetails",
"http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Sierra Wireless", "label": "Sierra Wireless [Member]", "documentation": "Sierra Wireless" } } }, "auth_ref": [] }, "smtc_SignalIntegrityProductsGroupMember": { "xbrltype": "domainItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "SignalIntegrityProductsGroupMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsChangesinCarryingAmountsofGoodwillDetails",
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Signal Integrity", "label": "Signal Integrity Products Group [Member]", "documentation": "Signal Integrity [Member]" } } }, "auth_ref": [] }, "us-gaap_SoftwareAndSoftwareDevelopmentCostsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SoftwareAndSoftwareDevelopmentCostsMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofConstructioninProcessDetails"], "lang": { "en-us": { "role": { "terseLabel": "Software Licenses", "label": "Software and Software Development Costs [Member]", "documentation": "Purchased software applications and internally developed software for sale, licensing or long-term internal use." } } }, "auth_ref": [] }, "us-gaap_StandardProductWarrantyPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"StandardProductWarrantyPolicy", "presentation": ["http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy"], "lang": { "en-us": { "role": { "terseLabel":
"Product Warranties", "label": "Standard Product Warranty, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for standard warranties including the methodology for measuring the liability." } } }, "auth_ref": ["r1039"] }, "us-gaap_StatementBusinessSegmentsAxis": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "StatementBusinessSegmentsAxis", "presentation": [
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segments [Axis]", "label": "Segments [Axis]", "documentation": "Information by business segments." } } }, "auth_ref": ["r220", "r308", "r311", "r312", "r313", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r322", "r324", "r325", "r326", "r327", "r328", "r329", "r330", "r331", "r332", "r334", "r340", "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r417", "r423", "r429", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r705", "r853", "r976", "r1093"] }, "us-gaap_StatementEquityComponentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementEquityComponentsAxis", "presentation": ["http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Equity Components [Axis]", "label": "Equity Components [Axis]", "documentation": "Information by component of equity." } } }, "auth_ref": ["r14", "r34", "r217", "r250", "r251", "r252", "r274", "r275", "r276", "r278", "r286", "r288", "r306", "r379", "r382", "r487", "r535", "r536", "r537", "r557", "r558", "r577", "r578", "r579", "r580", "r581", "r582", "r585", "r599", "r601", "r602", "r603", "r604", "r605", "r624", "r713", "r714", "r715", "r734", "r793"] }, "srt_StatementGeographicalAxis": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/srt/2023", "localname": "StatementGeographicalAxis", "presentation": [

```
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybyGeographicRegionDetails",
"http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Axis]", "label": "Geographical [Axis]" } } }, "auth_ref": [ "r338", "r339", "r738", "r741", "r743", "r797", "r799", "r802", "r819", "r821", "r825", "r826", "r827", "r828", "r829", "r830", "r831", "r832", "r833", "r838", "r865", "r883", "r1044", "r1093" ] }, "us-gaap_StatementLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementLineItems", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited",
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Statement [Line Items]", "label": "Statement [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r274", "r275", "r276", "r306", "r658", "r727", "r735", "r747", "r748", "r749", "r750", "r751", "r752", "r754", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r767", "r768", "r769", "r770", "r771", "r773", "r776", "r777", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r793", "r884" ] }, "us-gaap_StatementOfCashFlowsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementOfCashFlowsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Cash Flows [Abstract]", "label": "Statement of Cash Flows [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfFinancialPositionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementOfFinancialPositionAbstract", "lang": { "en-us": { "role": { "terseLabel": "Balance Sheets", "label": "Statement of Financial Position [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfIncomeAndComprehensiveIncomeAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementOfIncomeAndComprehensiveIncomeAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Comprehensive Income [Abstract]", "label": "Statement of Comprehensive Income [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementOfStockholdersEquityAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Stockholders' Equity [Abstract]", "label": "Statement of Stockholders' Equity [Abstract]" } } }, "auth_ref": [] }, "srt_StatementScenarioAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "StatementScenarioAxis", "presentation": [ "http://www.semtech.com/role/AcquisitionNarrativeDetails",
"http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Scenario [Axis]", "label": "Scenario [Axis]" } } }, "auth_ref": [ "r289", "r498", "r971", "r972", "r1003" ] }, "us-gaap_StatementTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StatementTable", "presentation": [ "http://www.semtech.com/role/CommitmentsandContingenciesNarrativeDetails",
"http://www.semtech.com/role/CondensedConsolidatedStatementsOfComprehensiveIncomeunaudited",
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Statement [Table]", "label": "Statement [Table]", "documentation": "Schedule reflecting a Statement of Income, Statement of Cash Flows, Statement of Financial Position, Statement of Shareholders' Equity and Other Comprehensive Income, or other statement as needed." } } }, "auth_ref": [ "r274", "r275", "r276", "r306", "r658", "r727", "r735", "r747", "r748", "r749", "r750", "r751", "r752", "r754", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r767", "r768", "r769", "r770", "r771", "r773", "r776", "r777", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r793", "r884" ] }, "ecd_StkPrcOrTsrEstimationMethodTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "StkPrcOrTsrEstimationMethodTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Stock Price or TSR Estimation Method", "label": "Stock Price or TSR Estimation Method [Text Block]" } } }, "auth_ref": [ "r904", "r915", "r925", "r950" ] }, "us-gaap_StockAppreciationRightsSARSMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockAppreciationRightsSARSMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Stock Appreciation Rights (SARs)", "label": "Stock Appreciation Rights (SARs) [Member]", "documentation": "Right to receive cash or shares equal to appreciation of predetermined number of grantor's shares during predetermined time period." } } }, "auth_ref": [] }, "us-gaap_StockCompensationPlanMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockCompensationPlanMember", "presentation": [
"http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Share-based compensation", "label": "Share-Based Payment Arrangement [Member]", "documentation": "Share-based payment arrangement in which award of equity shares are granted. Arrangement includes, but is not limited to, grantor incurring liability for product and service based on price of its shares." } } }, "auth_ref": [ "r1005" ] }, "us-gaap_StockIssuedDuringPeriodSharesConversionOfConvertibleSecurities": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockIssuedDuringPeriodSharesConversionOfConvertibleSecurities", "presentation": [ "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9) (in shares)", "label": "Stock Issued During Period, Shares, Conversion of Convertible Securities", "documentation": "Number of shares issued during the period as a result of the conversion of convertible securities." } } }, "auth_ref": [ "r14", "r33", "r85", "r183", "r470" ] }, "us-gaap_StockIssuedDuringPeriodSharesTreasuryStockReissued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockIssuedDuringPeriodSharesTreasuryStockReissued", "presentation": [
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury stock reissued (in shares)", "label": "Stock Issued During Period, Shares, Treasury Stock Reissued", "documentation": "Number of treasury shares or units reissued. Excludes reissuance of shares or units in treasury for award under share-based payment arrangement." } } }, "auth_ref": [ "r14", "r144", "r183" ] }, "us-gaap_StockIssuedDuringPeriodValueConversionOfConvertibleSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockIssuedDuringPeriodValueConversionOfConvertibleSecurities", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock upon exchange of 2028 Notes (as defined in Note 9)", "label": "Stock Issued During Period, Value, Conversion of Convertible Securities", "documentation": "The gross value of stock issued during the period upon the conversion of convertible securities." } } }, "auth_ref": [ "r14", "r34", "r183" ] }, "us-gaap_StockIssuedDuringPeriodValueTreasuryStockReissued": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockIssuedDuringPeriodValueTreasuryStockReissued", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury stock reissued to settle share-based awards", "label": "Stock Issued During Period, Value, Treasury Stock Reissued", "documentation": "Value of treasury shares or units reissued. Excludes reissuance of shares or units in treasury for award under share-based payment arrangement." } } }, "auth_ref": [ "r14", "r87", "r143", "r144", "r183" ] }, "smtc_StockRepurchaseProgramIncreaseInAuthorizedAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "StockRepurchaseProgramIncreaseInAuthorizedAmount", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/StockRepurchaseProgramNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Additional stock repurchase amount authorized", "label": "Stock Repurchase Program, Increase In Authorized Amount", "documentation": "Stock Repurchase Program, Increase In Authorized Amount" } } }, "auth_ref": [] }, "us-gaap_StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1", "crdr": "credit", "presentation": [
"http://www.semtech.com/role/StockRepurchaseProgramNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Remaining authorization under stock repurchase program", "label": "Stock Repurchase Program, Remaining Authorized Repurchase Amount", "documentation": "Amount remaining of a stock repurchase plan authorized." } } }, "auth_ref": [] }, "us-gaap_StockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockholdersEquity", "crdr": "credit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Total stockholders\u2019 deficit", "label": "Equity, Attributable to Parent", "documentation": "Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest." } } }, "auth_ref": [ "r144", "r147", "r148", "r172", "r756", "r772", "r794", "r795", "r878", "r894", "r997", "r1017", "r1076", "r1097" ] }, "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "crdr": "credit", "calculation": {
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited",
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "totalLabel": "Total deficit", "periodStartLabel": "Beginning balance", "periodEndLabel": "Ending balance", "label": "Equity, Including Portion Attributable to Noncontrolling Interest", "documentation": "Amount of equity (deficit) attributable to parent and noncontrolling interest. Excludes temporary equity." } } }, "auth_ref": [ "r104", "r105", "r108", "r217", "r218", "r251", "r274", "r275", "r276", "r278", "r286", "r379", "r382", "r487", "r535", "r536", "r537", "r557", "r558", "r577", "r578", "r579", "r580", "r581", "r582", "r585", "r599", "r601", "r605", "r624", "r714", "r715", "r732", "r756", "r772", "r794", "r795", "r820", "r893", "r997", "r1017", "r1076", "r1097" ] }, "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract", "presentation": [
"http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Stockholders\u2019 equity (deficit) :", "label": "Equity, Including Portion Attributable to Noncontrolling Interest [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SubleaseIncome": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SubleaseIncome", "crdr": "credit", "calculation": { "http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails": { "parentTag": "us-gaap_LeaseCost", "weight": -1.0, "order": 3.0 } }, "presentation": [ "http://www.semtech.com/role/LeasesTheComponentsofLeaseExpenseDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Sublease income", "label": "Sublease Income", "documentation": "Amount of sublease income excluding finance and operating lease expense." } } }, "auth_ref": [ "r617", "r877" ] }, "us-gaap_SummaryOfIncomeTaxContingenciesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SummaryOfIncomeTaxContingenciesTextBlock", "presentation": [ "http://www.semtech.com/role/IncomeTaxesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Summary of Income Tax Contingencies", "label": "Summary of Income Tax Contingencies [Table Text Block]", "documentation": "Tabular disclosure for tax positions taken in the tax returns filed or to be filed for which it is more likely than not that the tax position will not be sustained upon examination by taxing authorities and other income tax contingencies. Includes, but is not limited to, interest and penalties, reconciliation of unrecognized tax benefits, unrecognized tax benefits that would affect the effective tax rate, tax years that remain subject to examination by tax jurisdictions, and information about positions for which it is reasonably possible that amounts unrecognized will significantly change within 12 months." } } }, "auth_ref": [ "r12", "r188", "r189" ] }, "smtc_SummaryOfSalesActivityToCountriesThatRepresentedGreaterThan10OfTotalNetSalesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SummaryOfSalesActivityToCountriesThatRepresentedGreaterThan10OfTotalNetSalesTableTextBlock", "presentation": [ "http://www.semtech.com/role/SegmentInformationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales", "label": "Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales [Table Text Block]", "documentation": "[Table Text Block] for Summary Of Sales Activity To Countries That Represented Greater Than 10% Of Total Net Sales [Table]" } } }, "auth_ref": [] }, "us-gaap_SupplementalCashFlowInformationAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "SupplementalCashFlowInformationAbstract", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Supplemental disclosure of cash flow information:", "label": "Supplemental Cash Flow Information [Abstract]" } } }, "auth_ref": [] }, "smtc_SwinglineLoansMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "SwinglineLoansMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details" ], "lang": { "en-us": { "role": { "terseLabel": "Swingline Loans", "label": "Swingline Loans [Member]", "documentation": "Swingline Loans [Member]" } } }, "auth_ref": [] }, "ecd_TabularListTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TabularListTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Tabular List, Table", "label": "Tabular List [Table Text Block]" } } }, "auth_ref": [ "r944" ] }, "srt_TitleOfIndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "TitleOfIndividualAxis", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Title of Individual [Axis]", "label": "Title of Individual [Axis]" } } }, "auth_ref": [ "r1007", "r1082" ] }, "srt_TitleOfIndividualWithRelationshipToEntityDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2023", "localname": "TitleOfIndividualWithRelationshipToEntityDomain", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Title of Individual [Domain]", "label": "Title of Individual [Domain]" } } }, "auth_ref": [] }, "us-gaap_TotalReturnSwapMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "TotalReturnSwapMember", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
```

```
"http://www.semtech.com/role/FairValueMeasurementsFinancialAssetsandLiabilitiesMeasuredandRecordedatFairValueonaRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Total Return Swap", "label": "Total Return Swap [Member]", "documentation": "Contracts in which one party makes payments at a fixed or variable rate while the counterparty makes payments based on an asset, including the income and capital gains derived therefrom." } } }, "auth_ref": [ "r196", "r888", "r889" ] },
"ecd_TotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TotalShareholderRtnAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Total Shareholder Return Amount", "label": "Total Shareholder Return Amount" } } },
"auth_ref": [ "r936" ] }, "ecd_TotalShareholderRtnVsPeerGroupTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname":
"TotalShareholderRtnVsPeerGroupTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Total Shareholder
Return Vs Peer Group", "label": "Total Shareholder Return Vs Peer Group [Text Block]" } } }, "auth_ref": [ "r943" ] }, "us-gaap_TradeNamesMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "TradeNamesMember", "presentation": [
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetAmortizationDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFiniteLivedIntangibleAssetsDetails",
"http://www.semtech.com/role/GoodwillandIntangibleAssetsScheduleofFutureAmortizationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Trade name", "label":
"Trade Names [Member]", "documentation": "Rights acquired through registration of a business name to gain or protect exclusive use thereof." } } }, "auth_ref": [ "r101" ] },
"ecd_TradingArrAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TradingArrAxis", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Trading Arrangement:", "label": "Trading Arrangement [Axis]" } } },
"auth_ref": [ "r963" ] }, "ecd_TradingArrByIndTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TradingArrByIndTable",
"presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Trading Arrangements, by Individual", "label":
"Trading Arrangements, by Individual [Table]" } } }, "auth_ref": [ "r965" ] }, "dei_TradingSymbol": { "xbrltype": "tradingSymbolItemType", "nsuri":
"http://xbrl.sec.gov/dei/2023", "localname": "TradingSymbol", "presentation": [ "http://www.semtech.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Trading
Symbol", "label": "Trading Symbol", "documentation": "Trading symbol of an instrument as listed on an exchange." } } }, "auth_ref": [] }, "us-
gaap_TransfersAndServicingOfFinancialInstrumentsTypesOfFinancialInstrumentsDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023",
"localname": "TransfersAndServicingOfFinancialInstrumentsTypesOfFinancialInstrumentsDomain", "presentation": [
"http://www.semtech.com/role/AvailableforsalesecuritiesSummaryOfInvestmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Financial Instruments [Domain]",
"label": "Financial Instruments [Domain]", "documentation": "Instrument or contract that imposes a contractual obligation to deliver cash or another financial instrument or
to exchange other financial instruments on potentially unfavorable terms and conveys a contractual right to receive cash or another financial instrument or to exchange other
financial instruments on potentially favorable terms." } } }, "auth_ref": [ "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358",
"r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r478", "r485", "r583", "r626", "r627",
"r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649",
"r650", "r651", "r652", "r653", "r654", "r655", "r688", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r1013", "r1014", "r1015", "r1016" ] }, "ecd_TrdArrAdoptionDate":
{ "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TrdArrAdoptionDate", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Adoption Date", "label": "Trading Arrangement Adoption Date" } } },
"auth_ref": [ "r966" ] }, "ecd_TrdArrDuration": { "xbrltype": "durationItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TrdArrDuration", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Arrangement Duration", "label": "Trading Arrangement Duration" } }
}, "auth_ref": [ "r967" ] }, "ecd_TrdArrIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TrdArrIndName", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Trading Arrangement, Individual Name" } } },
"auth_ref": [ "r965" ] }, "ecd_TrdArrIndTitle": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "TrdArrIndTitle", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Title", "label": "Trading Arrangement, Individual Title" } } },
"auth_ref": [ "r965" ] }, "ecd_TrdArrSecuritiesAggAvailAmt": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname":
"TrdArrSecuritiesAggAvailAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Available",
"label": "Trading Arrangement, Securities Aggregate Available Amount" } } }, "auth_ref": [ "r968" ] }, "ecd_TrdArrTerminationDate": { "xbrltype": "stringItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2023", "localname": "TrdArrTerminationDate", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role":
{ "terseLabel": "Termination Date", "label": "Trading Arrangement Termination Date" } } }, "auth_ref": [ "r966" ] }, "us-gaap_TreasuryStockCommonMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "TreasuryStockCommonMember", "presentation": [
"http://www.semtech.com/role/ConsolidatedStatementsofStockholdersEquityunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury Stock, at Cost", "label":
"Treasury Stock, Common [Member]", "documentation": "Previously issued common shares repurchased by the issuing entity and held in treasury." } } }, "auth_ref": [ "r87" ]
}, "us-gaap_TreasuryStockCommonShares": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "TreasuryStockCommonShares",
"presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury stock (in
shares)", "label": "Treasury Stock, Common, Shares", "documentation": "Number of previously issued common shares repurchased by the issuing entity and held in treasury."
} } }, "auth_ref": [ "r87" ] }, "us-gaap_TreasuryStockCommonValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname":
"TreasuryStockCommonValue", "crdr": "debit", "calculation": { "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-
gaap_StockholdersEquity", "weight": -1.0, "order": 5.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedBalanceSheetsunaudited" ], "lang": { "en-
us": { "role": { "negatedTerseLabel": "Treasury stock, at cost, 13,396,402 shares and 13,720,283 shares, respectively", "label": "Treasury Stock, Common, Value",
"documentation": "Amount allocated to previously issued common shares repurchased by the issuing entity and held in treasury." } } }, "auth_ref": [ "r35", "r87", "r88" ] },
"us-gaap_TreasuryStockTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "TreasuryStockTextBlock", "presentation": [
"http://www.semtech.com/role/StockRepurchaseProgram" ], "lang": { "en-us": { "role": { "terseLabel": "Stock Repurchase Program", "label": "Treasury Stock [Text Block]",
"documentation": "The entire disclosure for treasury stock, including, but not limited to, average cost per share, description of share repurchase program, shares
repurchased, shares held for each class of treasury stock." } } }, "auth_ref": [ "r184" ] }, "smtc_TrendTekTechnologyLtdAndAffiliatesMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "TrendTekTechnologyLtdAndAffiliatesMember", "presentation": [
"http://www.semtech.com/role/ConcentrationofRiskScheduleofSignificantCustomersAccountingforatLeast10ofNetSalesDuringPeriodDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Trend-tek Technology Ltd. (and affiliates)", "label": "Trend-Tek Technology Ltd And Affiliates [Member]", "documentation": "Trend-Tek Technology Ltd And
Affiliates [Member]" } } }, "auth_ref": [] }, "smtc_TriggeringEventAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.semtech.com/20240728", "localname":
"TriggeringEventAxis", "presentation": [ "http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails",
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Triggering Event [Axis]", "label": "Triggering Event [Axis]", "documentation": "Triggering Event" } } }, "auth_ref": [] }, "smtc_TriggeringEventDomain":
{ "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventDomain", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event [Domain]", "label": "Triggering
Event [Domain]", "documentation": "Triggering Event [Domain]" } } }, "auth_ref": [] }, "smtc_TriggeringEventEightMember": { "xbrltype": "domainItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "TriggeringEventEightMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ],
"lang": { "en-us": { "role": { "terseLabel": "Triggering Event Eight", "label": "Triggering Event Eight [Member]", "documentation": "Triggering Event Eight" } } }, "auth_ref": []
}, "smtc_TriggeringEventElevenMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventElevenMember",
"presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Eleven", "label":
"Triggering Event Eleven [Member]", "documentation": "Triggering Event Eleven" } } }, "auth_ref": [] }, "smtc_TriggeringEventFiveMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventFiveMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Five", "label": "Triggering Event Five
[Member]", "documentation": "Triggering Event Five" } } }, "auth_ref": [] }, "smtc_TriggeringEventFourMember": { "xbrltype": "domainItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "TriggeringEventFourMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ],
"lang": { "en-us": { "role": { "terseLabel": "Triggering Event Four", "label": "Triggering Event Four [Member]", "documentation": "Triggering Event Four" } } }, "auth_ref": []
}, "smtc_TriggeringEventNineMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventNineMember",
"presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Nine", "label":
"Triggering Event Nine [Member]", "documentation": "Triggering Event Nine" } } }, "auth_ref": [] }, "smtc_TriggeringEventOneMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventOneMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Triggering Event One", "label": "Triggering Event One [Member]", "documentation": "Triggering Event One" } } }, "auth_ref": [] },
"smtc_TriggeringEventSevenMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventSevenMember",
"presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Seven", "label":
"Triggering Event Seven [Member]", "documentation": "Triggering Event Seven" } } }, "auth_ref": [] }, "smtc_TriggeringEventSixMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventSixMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Six", "label": "Triggering Event Six
[Member]", "documentation": "Triggering Event Six" } } }, "auth_ref": [] }, "smtc_TriggeringEventTenMember": { "xbrltype": "domainItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "TriggeringEventTenMember", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ],
"lang": { "en-us": { "role": { "terseLabel": "Triggering Event Ten", "label": "Triggering Event Ten [Member]", "documentation": "Triggering Event Ten" } } }, "auth_ref": [] },
"smtc_TriggeringEventThirteenMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventThirteenMember",
"presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Thirteen", "label":
"Triggering Event Thirteen [Member]", "documentation": "Triggering Event Thirteen" } } }, "auth_ref": [] }, "smtc_TriggeringEventThreeMember": { "xbrltype":
"domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventThreeMember", "presentation": [
"http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Triggering Event Three", "label": "Triggering Event Three [Member]", "documentation": "Triggering Event Three" } } }, "auth_ref": [] },
"smtc_TriggeringEventTwelveMember": { "xbrltype": "domainItemType", "nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventTwelveMember",
"presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Twelve", "label":
"Triggering Event Twelve [Member]", "documentation": "Triggering Event Twelve" } } }, "auth_ref": [] }, "smtc_TriggeringEventTwoMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.semtech.com/20240728", "localname": "TriggeringEventTwoMember", "presentation": [
"http://www.semtech.com/role/DerivativesandHedgingActivitiesNarrativeDetails", "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails",
"http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event Two", "label": "Triggering Event
Two [Member]", "documentation": "Triggering Event Two" } } }, "auth_ref": [] }, "us-gaap_TypeOfRestructuringDomain": { "xbrltype": "domainItemType", "nsuri":
"http://fasb.org/us-gaap/2023", "localname": "TypeOfRestructuringDomain", "presentation": [ "http://www.semtech.com/role/RestructuringActivityDetails" ], "lang": { "en-us":
{ "role": { "terseLabel": "Type of Restructuring [Domain]", "label": "Type of Restructuring [Domain]", "documentation": "Identification of the types of restructuring costs." } }
}, "auth_ref": [ "r420", "r421", "r427", "r428" ] }, "country_US": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2023", "localname": "US", "presentation":
[ "http://www.semtech.com/role/SegmentInformationSummaryofSalesActivitytoCountriesthatRepresentedGreaterthan10ofTotalNetSalesDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "United States", "label": "UNITED STATES" } } }, "auth_ref": [] }, "smtc_UnallocatedMember": { "xbrltype": "domainItemType", "nsuri":
"http://www.semtech.com/20240728", "localname": "UnallocatedMember", "presentation": [
"http://www.semtech.com/role/SegmentInformationNetSalesActivitybySegmentDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Unallocated costs, including share-based
compensation and amortization of acquired technology", "label": "Unallocated [Member]", "documentation": "Unallocated" } } }, "auth_ref": [] },
"ecd_UndrlygSecurityMktPriceChngPct": { "xbrltype": "pureItemType", "nsuri": "http://xbrl.sec.gov/ecd/2023", "localname": "UndrlygSecurityMktPriceChngPct",
```

```
"presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Underlying Security Market Price Change", "label": "Underlying Security Market Price Change, Percent" } } }, "auth_ref": [ "r962" ] }, "us-gaap_UnrecognizedTaxBenefits": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "UnrecognizedTaxBenefits", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Balance at January 28, 2024", "periodEndLabel": "Balance at July 28, 2024", "label": "Unrecognized Tax Benefits", "documentation": "Amount of unrecognized tax benefits." } } }, "auth_ref": [ "r541", "r548" ] }, "us-gaap_UnrecognizedTaxBenefitsDecreasesResultingFromPriorPeriodTaxPositions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "UnrecognizedTaxBenefitsDecreasesResultingFromPriorPeriodTaxPositions", "crdr": "debit", "presentation": [ "http://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Decreases based on tax positions related to prior fiscal years", "label": "Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions", "documentation": "Amount of decrease in unrecognized tax benefits resulting from tax positions taken in prior period tax returns." } } }, "auth_ref": [ "r549" ] }, "us-gaap_UnrecognizedTaxBenefitsIncreasesResultingFromCurrentPeriodTaxPositions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "UnrecognizedTaxBenefitsIncreasesResultingFromCurrentPeriodTaxPositions", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/IncomeTaxesSummaryofIncomeTaxContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Additions based on tax positions related to the current fiscal year", "label": "Unrecognized Tax Benefits, Increase Resulting from Current Period Tax Positions", "documentation": "Amount of increase in unrecognized tax benefits resulting from tax positions that have been or will be taken in current period tax return." } } }, "auth_ref": [ "r550" ] }, "us-gaap_UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate", "crdr": "credit", "presentation": [ "http://www.semtech.com/role/IncomeTaxesNarrativeDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Net tax benefits, if recognized, would impact the effective tax rate", "label": "Unrecognized Tax Benefits that Would Impact Effective Tax Rate", "documentation": "The total amount of unrecognized tax benefits that, if recognized, would affect the effective tax rate." } } }, "auth_ref": [ "r551" ] }, "us-gaap_UseOfEstimates": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "UseOfEstimates", "presentation": [ "http://www.semtech.com/role/OrganizationandBasisofPresentationPolicy" ], "lang": { "en-us": { "role": { "verboseLabel": "Use of Estimates", "label": "Use of Estimates, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles." } } }, "auth_ref": [ "r61", "r62", "r63", "r211", "r212", "r213", "r214" ] }, "us-gaap_VariableRateAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "VariableRateAxis", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Variable Rate [Axis]", "label": "Variable Rate [Axis]", "documentation": "Information by type of variable rate." } } }, "auth_ref": [] }, "us-gaap_VariableRateDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "VariableRateDomain", "presentation": [ "http://www.semtech.com/role/LongTermDebtCreditAgreementDetails", "http://www.semtech.com/role/LongTermDebtScheduleofLongtermDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Variable Rate [Domain]", "label": "Variable Rate [Domain]", "documentation": "Interest rate that fluctuates over time as a result of an underlying benchmark interest rate or index." } } }, "auth_ref": [] }, "us-gaap_VestingAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "VestingAxis", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Vesting [Axis]", "label": "Vesting [Axis]", "documentation": "Information by vesting schedule of award under share-based payment arrangement." } } }, "auth_ref": [ "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057", "r1058", "r1059", "r1060", "r1061", "r1062", "r1063", "r1064", "r1065", "r1066", "r1067", "r1068", "r1069", "r1070", "r1071" ] }, "us-gaap_VestingDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "VestingDomain", "presentation": [ "http://www.semtech.com/role/ShareBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Vesting [Domain]", "label": "Vesting [Domain]", "documentation": "Vesting schedule of award under share-based payment arrangement." } } }, "auth_ref": [ "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057", "r1058", "r1059", "r1060", "r1061", "r1062", "r1063", "r1064", "r1065", "r1066", "r1067", "r1068", "r1069", "r1070", "r1071" ] }, "us-gaap_WarrantMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "WarrantMember", "presentation": [ "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Warrants", "label": "Warrant [Member]", "documentation": "Security that gives the holder the right to purchase shares of stock in accordance with the terms of the instrument, usually upon payment of a specified amount." } } }, "auth_ref": [ "r881", "r882", "r885", "r886", "r887", "r890" ] }, "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "WeightedAverageNumberOfDilutedSharesOutstanding", "calculation": { "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Diluted (in shares)", "totalLabel": "Weighted average common shares outstanding - diluted (in shares)", "label": "Weighted Average Number of Shares Outstanding, Diluted", "documentation": "The average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period." } } }, "auth_ref": [ "r292", "r301" ] }, "us-gaap_WeightedAverageNumberOfSharesOutstandingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "WeightedAverageNumberOfSharesOutstandingAbstract", "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average number of shares used in computing loss per share:", "label": "Weighted Average Number of Shares Outstanding, Diluted [Abstract]" } } }, "auth_ref": [] }, "us-gaap_WeightedAverageNumberOfSharesOutstandingBasic": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "WeightedAverageNumberOfSharesOutstandingBasic", "calculation": { "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails": { "parentTag": "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofIncomeunaudited", "http://www.semtech.com/role/LossperShareComputationofBasicandDilutedEarningsperShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Basic (in shares)", "netLabel": "Weighted average common shares outstanding - basic (in shares)", "label": "Weighted Average Number of Shares Outstanding, Basic", "documentation": "Number of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period." } } }, "auth_ref": [ "r291", "r301" ] }, "us-gaap_WriteOffOfDeferredDebtIssuanceCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2023", "localname": "WriteOffOfDeferredDebtIssuanceCost", "crdr": "debit", "calculation": { "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails": { "parentTag": "us-gaap_InterestIncomeExpenseNonoperatingNet", "weight": -1.0, "order": 2.0 }, "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 20.0 } }, "presentation": [ "http://www.semtech.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited", "http://www.semtech.com/role/LongTermDebtConvertibleSeniorNotesdue2028Details", "http://www.semtech.com/role/LongTermDebtScheduleofInterestExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Write-off of deferred financing costs", "label": "Deferred Debt Issuance Cost, Writeoff", "documentation": "Write-off of amounts previously capitalized as debt issuance cost in an extinguishment of debt." } } }, "auth_ref": [ "r163" ] } } }, "std_ref": { "r0": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "16", "SubTopic": "10", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479405/805-10-25-16" }, "r1": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "SubTopic": "230", "Topic": "830", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481877/830-230-45-1" }, "r2": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-10A" }, "r3": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-10A" }, "r4": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "Subparagraph": "(i-k)", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-10A" }, "r5": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "14", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-14" }, "r6": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Subparagraph": "(g)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-15" }, "r7": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "SubTopic": "10", "Topic": "810", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-20" }, "r8": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "21C", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-21C" }, "r9": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-28" }, "r10": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(b)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-28" }, "r11": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482099/360-10-50-1" }, "r12": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "19", "SubTopic": "10", "Topic": "740", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-19" }, "r13": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(c), (3)", "SubTopic": "10", "Topic": "810", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-1A" }, "r14": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "10", "Topic": "505", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-2" }, "r15": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "10", "Topic": "815", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-2" }, "r16": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)", "SubTopic": "10", "Topic": "820", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r17": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2A", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "718", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2A" }, "r18": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "e", "SubTopic": "470", "Topic": "942", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480848/942-470-50-3" }, "r19": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4D", "Subparagraph": "(c)(2)", "SubTopic": "20", "Topic": "860", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4D" }, "r20": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "15", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482739/220-10-55-15" }, "r21": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22))", "SubTopic": "10", "Topic": "210", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r22": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "45", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-8" }, "r23": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483489/210-10-50-1" }, "r24": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.19(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r25": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.19(b),22(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r26": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.20)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r27": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.21)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r28": { "role":
```

"http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.22(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r29": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.22(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r30": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.22)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r31": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.24)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r32": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.25)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r33": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.29-30)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r34": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.29-31)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r35": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.30)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r36": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02.31)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r37": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "220", "SubTopic": "10", "Section": "45", "Paragraph": "14", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-14" }, "r38": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "220", "SubTopic": "10", "Section": "45", "Paragraph": "14A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-14A" }, "r39": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "220", "SubTopic": "10", "Section": "45", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-5" }, "r40": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-12" }, "r41": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "12", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-12" }, "r42": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "13", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-13" }, "r43": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "14", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-14" }, "r44": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-15" }, "r45": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "15", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-15" }, "r46": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "25", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-25" }, "r47": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-4" }, "r48": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-2" }, "r49": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-3" }, "r50": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-4" }, "r51": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-5" }, "r52": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "260", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-1" }, "r53": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "260", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-2" }, "r54": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-16" }, "r55": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-18" }, "r56": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-18" }, "r57": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-18" }, "r58": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-18" }, "r59": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-20" }, "r60": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-21" }, "r61": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-4" }, "r62": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-8" }, "r63": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-9" }, "r64": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r65": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "25", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-25" }, "r66": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "30", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-30" }, "r67": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "40", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-40" }, "r68": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "41", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-41" }, "r69": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "280", "SubTopic": "10", "Section": "50", "Paragraph": "41", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-41" }, "r70": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "20", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r71": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482686/350-30-45-1" }, "r72": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482686/350-30-45-2" }, "r73": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-1" }, "r74": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "50", "Paragraph": "2", "Subparagraph": "((a)(1),(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r75": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r76": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "350", "SubTopic": "30", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r77": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "360", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482099/360-10-50-1" }, "r78": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "420", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r79": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "420", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB TOPIC 5.P.3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479823/420-10-S99-1" }, "r80": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "420", "SubTopic": "10", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB TOPIC 5.P.4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r81": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "460", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482425/460-10-50-8" }, "r82": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "470", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481544/470-10-50-5" }, "r83": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "470", "SubTopic": "50", "Section": "40", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481303/470-50-40-2" }, "r84": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "470", "SubTopic": "50", "Section": "40", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481303/470-50-40-4" }, "r85": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-3" }, "r86": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-8" }, "r87": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "30", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481549/505-30-45-1" }, "r88": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "30", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481520/505-30-50-4" }, "r89": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "710", "SubTopic": "10", "Section": "25", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483070/710-10-25-11" }, "r90": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "710", "SubTopic": "10", "Section": "30", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483043/710-10-30-2" }, "r91": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r92": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r93": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "20", "Section": "55", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481089/718-20-55-12" }, "r94": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "20", "Section": "55", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481089/718-20-55-13" }, "r95": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "740", "SubTopic": "10", "Section": "55", "Paragraph": "217", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482663/740-10-55-217" }, "r96": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479328/805-10-50-2" }, "r97": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479328/805-10-50-

3" }, "r98": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "55", "Paragraph": "37", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479303/805-10-55-37" }, "r99": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "20", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479907/805-20-50-1" }, "r100": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "20", "Section": "50", "Paragraph": "4A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479907/805-20-50-4A" }, "r101": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "20", "Section": "55", "Paragraph": "14", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479876/805-20-55-14" }, "r102": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "20", "Section": "55", "Paragraph": "20", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479876/805-20-55-20" }, "r103": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "45", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-12" }, "r104": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "45", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-15" }, "r105": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "45", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-16" }, "r106": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "45", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-21" }, "r107": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-1" }, "r108": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "55", "Paragraph": "4I", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481175/810-10-55-4I" }, "r109": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "55", "Paragraph": "4J", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481175/810-10-55-4J" }, "r110": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "810", "SubTopic": "10", "Section": "55", "Paragraph": "4K", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481175/810-10-55-4K" }, "r111": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1" }, "r112": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "1A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1A" }, "r113": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "1A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1A" }, "r114": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "1B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1B" }, "r115": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4" }, "r116": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4A" }, "r117": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4A" }, "r118": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4B" }, "r119": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4B", "Subparagraph": "(a),(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4B" }, "r120": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4B", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4B" }, "r121": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4B", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4B" }, "r122": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4C", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4C" }, "r123": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "4D", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4D" }, "r124": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-5" }, "r125": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-7" }, "r126": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-8" }, "r127": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "10", "Section": "55", "Paragraph": "182", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480401/815-10-55-182" }, "r128": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "815", "SubTopic": "25", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480238/815-25-50-1" }, "r129": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "820", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r130": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "820", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-3" }, "r131": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "825", "SubTopic": "10", "Section": "50", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-20" }, "r132": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "825", "SubTopic": "10", "Section": "50", "Paragraph": "21", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-21" }, "r133": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "835", "SubTopic": "30", "Section": "45", "Paragraph": "1A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482925/835-30-45-1A" }, "r134": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "835", "SubTopic": "30", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482925/835-30-45-2" }, "r135": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "835", "SubTopic": "30", "Section": "45", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482925/835-30-45-3" }, "r136": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "835", "SubTopic": "30", "Section": "55", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482949/835-30-55-8" }, "r137": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "942", "SubTopic": "210", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03.17)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r138": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "942", "SubTopic": "470", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480848/942-470-50-3" }, "r139": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "985", "SubTopic": "20", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481283/985-20-50-1" }, "r140": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "205", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//205/tableOfContent" }, "r141": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r142": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(20))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r143": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(28))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r144": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(29))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r145": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r146": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r147": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r148": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(31))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r149": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(32))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r150": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r151": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r152": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r153": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483444/210-20-55-7" }, "r154": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-11" }, "r155": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r156": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(12))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r157": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(20))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r158": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.1(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r159": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r160": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.1,2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r161": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.2(a),(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r162": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r163": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.8)", "Publisher": "FASB", "URI":

"https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r164": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03.9)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r165": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "12", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-12" }, "r166": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-13" }, "r167": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "13", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-13" }, "r168": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-24" }, "r169": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-25" }, "r170": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-28" }, "r171": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "275", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//275/tableOfContent" }, "r172": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 4.E)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480418/310-10-S99-2" }, "r173": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "350", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//350/tableOfContent" }, "r174": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r175": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r176": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "440", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//440/tableOfContent" }, "r177": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "470", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//470/tableOfContent" }, "r178": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481284/470-20-25-10" }, "r179": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-5" }, "r180": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-6" }, "r181": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-6" }, "r182": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-7" }, "r183": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.3-04)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480008/505-10-S99-1" }, "r184": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "30", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//505-30/tableOfContent" }, "r185": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "710", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483070/710-10-25-9" }, "r186": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "710", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483043/710-10-30-1" }, "r187": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15" }, "r188": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15" }, "r189": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15A" }, "r190": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//805/tableOfContent" }, "r191": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "38", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479876/805-20-55-38" }, "r192": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "810", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//810/tableOfContent" }, "r193": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "19", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-19" }, "r194": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-1A" }, "r195": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "815", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//815/tableOfContent" }, "r196": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "15", "Paragraph": "83", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480647/815-10-15-83" }, "r197": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r198": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-21" }, "r199": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "940", "SubTopic": "320", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//940-320/tableOfContent" }, "r200": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(11))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r201": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(13))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r202": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(16))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r203": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r204": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r205": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(13)(f))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r206": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r207": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "320", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//942-320/tableOfContent" }, "r208": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//946-320/tableOfContent" }, "r209": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Subparagraph": "(a)", "SubTopic": "20", "Topic": "740", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482659/740-20-45-2" }, "r210": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "6", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "270", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482989/270-10-45-6" }, "r211": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-1" }, "r212": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-1" }, "r213": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-11" }, "r214": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-12" }, "r215": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h))", "SubTopic": "10", "Topic": "235", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r216": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1403", "Paragraph": "(b)", "Publisher": "SEC" }, "r217": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "105", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479343/105-10-65-6" }, "r218": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "105", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479343/105-10-65-6" }, "r219": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "205", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483504/205-10-50-1" }, "r220": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483499/205-20-50-1" }, "r221": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483499/205-20-50-7" }, "r222": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-1" }, "r223": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-5" }, "r224": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483489/210-10-50-1" }, "r225": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r226": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(14))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r227": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(15))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r228": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(16))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r229": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r230": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(18))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r231": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r232": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name":

"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30)(a)(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r233": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r234": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r235": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r236": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(8))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r237": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r238": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483466/210-20-50-3" }, "r239": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483466/210-20-50-3" }, "r240": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483444/210-20-55-10" }, "r241": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-10A" }, "r242": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-11" }, "r243": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-15" }, "r244": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-1A" }, "r245": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-1A" }, "r246": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-1A" }, "r247": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-1B" }, "r248": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482790/220-10-45-1B" }, "r249": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-1" }, "r250": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-4" }, "r251": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-5" }, "r252": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-6" }, "r253": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(21))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r254": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r255": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r256": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(24))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r257": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(25))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r258": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-15" }, "r259": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-15" }, "r260": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "17", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-17" }, "r261": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-2" }, "r262": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-24" }, "r263": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-25" }, "r264": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-2" }, "r265": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482913/230-10-50-8" }, "r266": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r267": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(g)(1)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r268": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r269": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r270": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(m)(1)(iii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r271": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(m)(2)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r272": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(n))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r273": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-04(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-3" }, "r274": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-23" }, "r275": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-24" }, "r276": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-5" }, "r277": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-1" }, "r278": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-1" }, "r279": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-11" }, "r280": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-11" }, "r281": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-12" }, "r282": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-3" }, "r283": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-4" }, "r284": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-7" }, "r285": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-7" }, "r286": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-7" }, "r287": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-8" }, "r288": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-9" }, "r289": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SAB Topic 11.M.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480530/250-10-S99-5" }, "r290": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//260/tableOfContent" }, "r291": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-10" }, "r292": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-16" }, "r293": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-2" }, "r294": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-22" }, "r295": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-23" }, "r296": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45",

"Paragraph": "26", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-26" }, "r297": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-28A" }, "r298": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "60B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-60B" }, "r299": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "60B", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-60B" }, "r300": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482689/260-10-45-7" }, "r301": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-1" }, "r302": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-1" }, "r303": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-2" }, "r304": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-3" }, "r305": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482635/260-10-55-15" }, "r306": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "272", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483014/272-10-45-1" }, "r307": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//280/tableOfContent" }, "r308": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-15" }, "r309": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-21" }, "r310": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-21" }, "r311": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r312": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r313": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r314": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r315": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r316": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r317": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r318": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r319": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r320": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-22" }, "r321": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "25", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-25" }, "r322": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "25", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-25" }, "r323": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "26", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-26" }, "r324": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-30" }, "r325": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-30" }, "r326": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-30" }, "r327": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-30" }, "r328": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-31" }, "r329": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r330": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r331": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r332": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r333": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r334": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-32" }, "r335": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "34", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-34" }, "r336": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "40", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-40" }, "r337": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "41", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-41" }, "r338": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "41", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-41" }, "r339": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "41", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-41" }, "r340": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "42", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-42" }, "r341": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481990/310-10-45-2" }, "r342": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481990/310-10-45-9" }, "r343": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481962/310-10-50-4" }, "r344": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//320/tableOfContent" }, "r345": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-10" }, "r346": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r347": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r348": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(aa)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r349": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(aaa)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r350": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r351": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r352": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r353": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r354": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r355": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r356": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r357": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r358": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r359": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r360": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(aaa)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r361": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r362": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r363": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(f)", "Publisher": "FASB", "URI":

```
"https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r364": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(f)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-
10-50-5" }, "r365": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "5", "Subparagraph": "(f)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r366": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5",
"Subparagraph": "(f)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r367": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5",
"Subparagraph": "(f)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5" }, "r368": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5A",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5A" }, "r369": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5A", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147481800/320-10-50-5A" }, "r370": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "5A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-
10-50-5A" }, "r371": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "5B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5B" }, "r372": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5B", "Subparagraph": "(a)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147481800/320-10-50-5B" }, "r373": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "5B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-
10-50-5B" }, "r374": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "5B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5B" }, "r375": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5B",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-5B" }, "r376": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "321", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479536/321-10-50-3" }, "r377": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481664/323-10-45-1" }, "r378": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481687/323-10-50-3" }, "r379": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "326", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "4", "Subparagraph": "(d)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479654/326-10-65-4" }, "r380": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "65", "Paragraph": "4", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479654/326-
10-65-4" }, "r381": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65",
"Paragraph": "4", "Subparagraph": "(e)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479654/326-10-65-4" }, "r382": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "5",
"Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479654/326-10-65-5" }, "r383": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher":
"FASB", "URI": "https://asc.fasb.org//1943274/2147479344/326-20-45-1" }, "r384": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "20",
"Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479319/326-20-50-11" },
"r385": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph":
"13", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479319/326-20-50-13" }, "r386": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479319/326-20-50-14" }, "r387": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479319/326-20-50-16" }, "r388": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479319/326-20-50-5" }, "r389": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326",
"SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479130/326-
30-45-1" }, "r390": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479130/326-30-45-3" }, "r391": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "326", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479106/326-30-50-4" }, "r392": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "30", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479106/326-30-50-7" }, "r393": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479106/326-30-50-8" }, "r394": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326",
"SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479106/326-
30-50-9" }, "r395": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "330", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI":
"https://asc.fasb.org//330/tableOfContent" }, "r396": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "330", "SubTopic": "10", "Name": "Accounting Standards
Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483080/330-10-50-1" }, "r397": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "330", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher":
"FASB", "URI": "https://asc.fasb.org//1943274/2147483080/330-10-50-4" }, "r398": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20",
"Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482598/350-20-45-1" },
"r399": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph":
"2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482598/350-20-45-2" }, "r400": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-
20-50-1" }, "r401": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r402": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r403": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r404": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-
50-1" }, "r405": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r406": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r407": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(g)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r408": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-
50-1" }, "r409": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1A" }, "r410": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482573/350-20-50-2" }, "r411": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-
50-1" }, "r412": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-1" }, "r413": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-50-1" }, "r414": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482665/350-30-50-2" }, "r415": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482665/350-30-
50-2" }, "r416": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "3", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482099/360-10-50-3" }, "r417": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
"Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482099/360-10-50-3" }, "r418": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "420", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//420/tableOfContent" }, "r419": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r420": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r421": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-
10-50-1" }, "r422": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r423": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r424": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(e)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r425": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.P.3)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479823/420-10-S99-1" }, "r426": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB TOPIC 5.P.4(b)(2))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r427": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(b)(1))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r428": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(b)(2))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r429": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(d))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r430": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name":
```

"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r431": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "440", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482648/440-10-50-4" }, "r432": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "440", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482648/440-10-50-4" }, "r433": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-1" }, "r434": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-4" }, "r435": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-9" }, "r436": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.Y.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480102/450-20-S99-1" }, "r437": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.Y.Q4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480102/450-20-S99-1" }, "r438": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "460", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482425/460-10-50-2" }, "r439": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "460", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482425/460-10-50-3" }, "r440": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r441": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iii)(A))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r442": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iii)(B))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r443": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iv))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r444": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r445": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r446": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(A)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r447": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(A))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r448": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(B)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r449": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(B))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r450": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(C))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r451": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iv))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r452": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1B" }, "r453": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r454": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r455": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r456": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r457": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r458": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r459": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r460": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r461": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r462": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1C" }, "r463": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1C" }, "r464": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1C" }, "r465": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1D" }, "r466": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1D" }, "r467": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1D" }, "r468": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1E" }, "r469": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1E" }, "r470": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1E" }, "r471": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1E" }, "r472": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1F" }, "r473": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1F" }, "r474": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1F" }, "r475": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1F" }, "r476": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1I" }, "r477": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1I" }, "r478": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1I" }, "r479": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1I" }, "r480": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-4" }, "r481": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-4" }, "r482": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-6" }, "r483": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-6" }, "r484": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-13" }, "r485": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-18" }, "r486": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-3" }, "r487": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.3-04)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480008/505-10-S99-1" }, "r488": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479806/606-10-50-4" }, "r489": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479806/606-10-50-5" }, "r490": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r491": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r492": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r493": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name":

"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(02)(A)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r494": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(02)(B)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r495": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(02)(C)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r496": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r497": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480576/715-80-50-5" }, "r498": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(f)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480576/715-80-50-5" }, "r499": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//718/tableOfContent" }, "r500": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "1D", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480483/718-10-35-1D" }, "r501": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480483/718-10-35-2" }, "r502": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480483/718-10-35-3" }, "r503": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480454/718-10-45-1" }, "r504": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r505": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r506": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r507": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r508": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r509": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r510": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r511": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r512": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r513": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r514": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r515": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(04)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r516": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r517": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r518": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r519": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r520": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r521": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r522": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r523": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r524": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(e)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r525": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r526": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r527": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r528": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r529": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r530": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(v)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r531": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r532": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r533": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r534": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r535": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "15", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480336/718-10-65-15" }, "r536": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "15", "Subparagraph": "(f)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480336/718-10-65-15" }, "r537": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "15", "Subparagraph": "(f)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480336/718-10-65-15" }, "r538": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 14.F)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479830/718-10-S99-1" }, "r539": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "730", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482916/730-10-50-1" }, "r540": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//740/tableOfContent" }, "r541": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482525/740-10-45-10B" }, "r542": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482525/740-10-45-25" }, "r543": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482525/740-10-45-28" }, "r544": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482525/740-10-45-4" }, "r545": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482525/740-10-45-6" }, "r546": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-10" }, "r547": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-14" }, "r548": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15A" }, "r549": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15A", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15A" }, "r550": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15A", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15A" }, "r551": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-15A" }, "r552": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "17", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-17" }, "r553": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "19", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-19" }, "r554": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-20" }, "r555": {

"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-21" }, "r556": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482685/740-10-50-9" }, "r557": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "8", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482615/740-10-65-8" }, "r558": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "8", "Subparagraph": "(d)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482615/740-10-65-8" }, "r559": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB TOPIC 6.I.5.Q1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479360/740-10-S99-1" }, "r560": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB TOPIC 6.I.7)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479360/740-10-S99-1" }, "r561": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 6.I.Fact.3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479360/740-10-S99-1" }, "r562": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 11.C)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479360/740-10-S99-2" }, "r563": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "270", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482526/740-270-50-1" }, "r564": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482603/740-30-50-2" }, "r565": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479907/805-20-50-5" }, "r566": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479907/805-20-50-5" }, "r567": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479581/805-30-50-1" }, "r568": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "19", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-19" }, "r569": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-25" }, "r570": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481231/810-10-45-25" }, "r571": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-1A" }, "r572": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-1A" }, "r573": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(bb)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-3" }, "r574": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481203/810-10-50-3" }, "r575": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4E", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4E" }, "r576": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5C", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-5C" }, "r577": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r578": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r579": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r580": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r581": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r582": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(i)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480528/815-20-65-6" }, "r583": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480237/815-40-50-5" }, "r584": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480175/815-40-65-1" }, "r585": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480175/815-40-65-1" }, "r586": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480175/815-40-65-1" }, "r587": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480175/815-40-65-1" }, "r588": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r589": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r590": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r591": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r592": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-2" }, "r593": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-3" }, "r594": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-6A" }, "r595": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-6B" }, "r596": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482106/820-10-50-6B" }, "r597": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-10" }, "r598": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "28", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-28" }, "r599": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "17", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-17" }, "r600": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-20" }, "r601": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-20" }, "r602": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-20" }, "r603": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-20" }, "r604": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481694/830-30-45-20" }, "r605": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481674/830-30-50-1" }, "r606": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482925/835-30-45-3" }, "r607": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482900/835-30-50-1" }, "r608": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "5", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479832/842-10-65-5" }, "r609": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org//842-20/tableOfContent" }, "r610": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479041/842-20-45-1" }, "r611": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479041/842-20-45-1" }, "r612": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479041/842-20-45-2" }, "r613": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479041/842-20-45-5" }, "r614": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r615": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r616": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r617": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r618": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r619": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4",

"Subparagraph": "(g)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r620": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r621": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r622": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-6" }, "r623": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "848", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(a)(3)(iii)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483550/848-10-65-2" }, "r624": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "848", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(a)(3)(iii)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483550/848-10-65-2" }, "r625": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483326/850-10-50-3" }, "r626": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r627": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r628": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r629": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(bb)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r630": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(bb)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r631": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(bb)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r632": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r633": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r634": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r635": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r636": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r637": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r638": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r639": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481444/860-30-45-1" }, "r640": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481420/860-30-50-7" }, "r641": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-3" }, "r642": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-3" }, "r643": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-3" }, "r644": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(4)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-3" }, "r645": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r646": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r647": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r648": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r649": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(5)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r650": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(6)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r651": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)(7)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r652": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r653": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(e)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r654": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r655": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481229/860-50-50-4" }, "r656": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "910", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482546/910-10-50-6" }, "r657": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "912", "SubTopic": "330", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482105/912-330-50-1" }, "r658": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "924", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 11.L)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479941/924-10-S99-1" }, "r659": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "926", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483154/926-20-50-5" }, "r660": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "928", "SubTopic": "340", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483147/928-340-50-1" }, "r661": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(10)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r662": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479853/942-210-S99-1" }, "r663": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r664": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(24))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r665": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(25))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r666": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(26))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r667": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(27))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483589/942-220-S99-1" }, "r668": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-05(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479557/942-235-S99-1" }, "r669": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480832/942-320-50-3A" }, "r670": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480832/942-320-50-3A" }, "r671": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480842/942-360-50-1" }, "r672": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r673": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(12))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r674": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(15)(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r675": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r676": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r677": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(23)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r678": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(23)(a)(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r679": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name":

```
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(24))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r680": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(25))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r681": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(8)(b))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r682": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(8))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r683": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(10))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r684": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(16))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r685": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(17))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r686": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(18))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r687": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(19))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r688": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(2)(a))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r689": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(20))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r690": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(21))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r691": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(22))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r692": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(23))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r693": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(8))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r694": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(9))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147483586/944-220-S99-1" }, "r695": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column A))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r696": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column B))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r697": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column C))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r698": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column D))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r699": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column E))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r700": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column F))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r701": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column G))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r702": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column H))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r703": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column I))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r704": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column J))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r705": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-16(Column K))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-1" }, "r706": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column A))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r707": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column B))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r708": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column C))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r709": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column D))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r710": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column E))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r711": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column F))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480149/944-235-S99-2" }, "r712": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480081/944-
40-50-7A" }, "r713": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65",
"Paragraph": "2", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r714": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(f)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r715": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(f)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r716": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(g)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r717": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(g)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r718": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(g)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r719": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(g)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r720": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(g)(2)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r721": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(h)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r722": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2",
"Subparagraph": "(h)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480016/944-40-65-2" }, "r723": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "825", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479383/944-825-50-1B" }, "r724": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480424/946-
10-50-1" }, "r725": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480424/946-10-50-2" }, "r726": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480424/946-10-50-3" }, "r727": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(d))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479886/946-10-S99-3" }, "r728": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(h)(1))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479886/946-10-S99-3" }, "r729": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(i)(2))", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147479886/946-10-S99-3" }, "r730": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480990/946-20-50-11" }, "r731": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480990/946-20-50-13" }, "r732": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946",
"SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480767/946-205-45-3" }, "r733": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480767/946-
205-45-3" }, "r734": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480767/946-205-45-4" }, "r735": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Publisher":
"FASB", "URI": "https://asc.fasb.org//1943274/2147480555/946-210-45-4" }, "r736": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210",
"Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480524/946-210-50-1" }, "r737": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-
210-50-1" }, "r738": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50",
```

"Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-1" }, "r739": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-1" }, "r740": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-12" }, "r741": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-2" }, "r742": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r743": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r744": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r745": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r746": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r747": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r748": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(12)(b)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r749": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(12)(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r750": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(12)(b)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r751": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(13)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r752": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(13)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r753": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(15))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r754": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(16)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r755": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r756": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r757": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(2)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r758": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(2)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r759": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(3)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r760": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(3)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r761": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(3)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r762": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(6)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r763": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(6)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r764": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(6)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r765": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(6)(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r766": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(8))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r767": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(9)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r768": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(9)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r769": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(9)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r770": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(9)(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-1" }, "r771": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.6-05(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-2" }, "r772": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.6-05(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479617/946-210-S99-2" }, "r773": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483581/946-220-45-3" }, "r774": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483581/946-220-45-7" }, "r775": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(1)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r776": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r777": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(2)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r778": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(2)(g)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r779": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r780": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r781": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r782": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r783": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r784": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(a)(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r785": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r786": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r787": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r788": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r789": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r790": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(7)(c)(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r791": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-07(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-1" }, "r792": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(1)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r793": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r794": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r795": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r796": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column A)(Footnote 2))", "Publisher": "FASB", "URI":

{"https://asc.fasb.org//1943274/2147480032/946-320-S99-1" }, "r797": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column C)(Footnote 5))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-1" }, "r798": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-12A(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-2" }, "r799": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-12A(Column C)(Footnote 4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-2" }, "r800": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column A)(Footnote 4)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-3" }, "r801": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column A)(Footnote 4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-3" }, "r802": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column C)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-3" }, "r803": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SX 210.12-13(Column A)(Footnote 3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5" }, "r804": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SX 210.12-13(Column C))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5" }, "r805": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SX 210.12-13(Column G)(Footnote 8))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5" }, "r806": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SX 210.12-13(Column G))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5" }, "r807": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5A", "Subparagraph": "(SX 210.12-13A(Column B))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5A" }, "r808": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5A", "Subparagraph": "(SX 210.12-13A(Column D))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5A" }, "r809": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5A", "Subparagraph": "(SX 210.12-13A(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5A" }, "r810": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5B", "Subparagraph": "(SX 210.12-13B(Column B))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5B" }, "r811": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5B", "Subparagraph": "(SX 210.12-13B(Column E)(Footnote 4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5B" }, "r812": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5B", "Subparagraph": "(SX 210.12-13B(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5B" }, "r813": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5C", "Subparagraph": "(SX 210.12-13C(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5C" }, "r814": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5C", "Subparagraph": "(SX 210.12-13C(Column H)(Footnote 7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5C" }, "r815": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5C", "Subparagraph": "(SX 210.12-13C(Column H))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5C" }, "r816": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r817": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column E)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r818": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column E)(Footnote 4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r819": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column F)(Footnote 7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r820": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481004/946-505-50-3" }, "r821": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "948", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-29(Footnote 4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479851/948-310-S99-1" }, "r822": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "954", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481027/954-310-50-2" }, "r823": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "954", "SubTopic": "440", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480327/954-440-50-1" }, "r824": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "954", "SubTopic": "450", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480598/954-450-50-1" }, "r825": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column B))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r826": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column C))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r827": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column D))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r828": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r829": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column F))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r830": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column G))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r831": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column H))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r832": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Column I))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r833": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-28(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479438/970-360-S99-1" }, "r834": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "976", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482856/976-310-50-1" }, "r835": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "978", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482707/978-310-50-1" }, "r836": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4D", "Subparagraph": "(a)(1)", "SubTopic": "10", "Topic": "815", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4D" }, "r837": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "13H", "Subparagraph": "(a)", "SubTopic": "40", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480046/944-40-55-13H" }, "r838": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "13H", "Subparagraph": "(b)", "SubTopic": "40", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480046/944-40-55-13H" }, "r839": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-1" }, "r840": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-1" }, "r841": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(g)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483467/210-10-45-1" }, "r842": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483444/210-20-55-16" }, "r843": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483444/210-20-55-21" }, "r844": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483444/210-20-55-22" }, "r845": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-23" }, "r846": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483426/235-10-50-4" }, "r847": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483426/235-10-50-4" }, "r848": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "52", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482635/260-10-55-52" }, "r849": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-31" }, "r850": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "12A", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481933/310-10-55-12A" }, "r851": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "326", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479081/326-30-55-8" }, "r852": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "340", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "05", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482955/340-10-05-5" }, "r853": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482548/350-20-55-24" }, "r854": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r855": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482017/420-10-50-1" }, "r856": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(b)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r857": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 5.P.4(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479823/420-10-S99-2" }, "r858": { "role":

```
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r859": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69B", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481568/470-20-55-69B" }, "r860": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69C", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481568/470-20-55-69C" }, "r861": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69E", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481568/470-20-55-69E" }, "r862": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69F", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481568/470-20-55-69F" }, "r863": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481112/505-10-50-13" }, "r864": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479777/606-10-55-91" }, "r865": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479777/606-10-55-91" }, "r866": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479777/606-10-55-91" }, "r867": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r868": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r869": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "17", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480482/715-20-55-17" }, "r870": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480576/715-80-50-11" }, "r871": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480576/715-80-50-6" }, "r872": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480547/715-80-55-8" }, "r873": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r874": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "4J", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481175/810-10-55-4J" }, "r875": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "4K", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481175/810-10-55-4K" }, "r876": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4D", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-4D" }, "r877": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "53", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479589/842-20-55-53" }, "r878": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481372/852-10-55-10" }, "r879": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479401/944-30-55-2" }, "r880": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "29F", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480046/944-40-55-29F" }, "r881": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-1" }, "r882": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r883": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480493/946-210-55-1" }, "r884": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480833/946-310-45-1" }, "r885": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column A)(Footnote 2)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-1" }, "r886": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-12A(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-2" }, "r887": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column A)(Footnote 1)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-3" }, "r888": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5C", "Subparagraph": "(SX 210.12-13C(Column A)(Footnote 1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5C" }, "r889": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5C", "Subparagraph": "(SX 210.12-13C(Column B)(Footnote 1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-5C" }, "r890": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r891": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "39", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480228/946-830-45-39" }, "r892": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480167/946-830-55-10" }, "r893": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480167/946-830-55-11" }, "r894": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480167/946-830-55-12" }, "r895": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "b" }, "r896": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "b-2" }, "r897": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "d1-1" }, "r898": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 10-Q", "Number": "240", "Section": "308", "Subsection": "a" }, "r899": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "16", "Subsection": "f", "Paragraph": "a" }, "r900": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1" }, "r901": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i" }, "r902": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i", "Sentence": "A" }, "r903": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i", "Sentence": "B" }, "r904": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i", "Sentence": "C" }, "r905": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i", "Sentence": "D" }, "r906": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "i", "Sentence": "E" }, "r907": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "ii" }, "r908": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "1", "Subparagraph": "iii" }, "r909": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "f", "Paragraph": "2" }, "r910": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Subsection": "f", "Paragraph": "1", "Subparagraph": "ii", "Section": "6" }, "r911": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a" }, "r912": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1" }, "r913": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "i" }, "r914": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "ii" }, "r915": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iii" }, "r916": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iv" }, "r917": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "v" }, "r918": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "2" }, "r919": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "3" }, "r920": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "b" }, "r921": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a" }, "r922": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1" }, "r923": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "i" }, "r924": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "ii" }, "r925": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iii" }, "r926": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iv" }, "r927": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "v" }, "r928": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "2" }, "r929": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "3" }, "r930": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "b" }, "r931": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Forms 10-K, 10-Q, 20-F", "Number": "240", "Section": "13", "Subsection": "a-1" }, "r932": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v" }, "r933": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "1" }, "r934": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "ii" }, "r935": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii" }, "r936": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iv" }, "r937": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "vi" }, "r938": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "3" }, "r939": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "4" }, "r940": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "i" }, "r941": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5",
```

```
"Subparagraph": "ii" }, "r942": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "iii" }, "r943": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "iv" }, "r944": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "6" }, "r945": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "6", "Subparagraph": "i" }, "r946": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1" }, "r947": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i" }, "r948": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "A" }, "r949": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "B" }, "r950": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "C" }, "r951": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "D" }, "r952": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "E" }, "r953": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "ii" }, "r954": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "iii" }, "r955": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "2" }, "r956": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "1" }, "r957": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2" }, "r958": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "A" }, "r959": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "C" }, "r960": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "D" }, "r961": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "E" }, "r962": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "F" }, "r963": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", }, "r964": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "1" }, "r965": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "A" }, "r966": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "B" }, "r967": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "C" }, "r968": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "D" }, "r969": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "b", "Paragraph": "1" }, "r970": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-T", "Number": "232", "Section": "405" }, "r971": { "role": "http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-10" }, "r972": { "role": "http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "855", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483399/855-10-50-3" }, "r973": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "12", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-12" }, "r974": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482861/275-10-50-18" }, "r975": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "SubTopic": "825", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479383/944-825-50-1B" }, "r976": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4H", "SubTopic": "40", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480081/944-40-50-4H" }, "r977": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(2)(a))", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r978": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(2)(d))", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r979": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(a)", "Publisher": "SEC" }, "r980": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(b)", "Subparagraph": "(1)", "Publisher": "SEC" }, "r981": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(b)", "Subparagraph": "(2)", "Publisher": "SEC" }, "r982": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(b)", "Subparagraph": "(3)", "Publisher": "SEC" }, "r983": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(c)", "Subparagraph": "(2)(i)", "Publisher": "SEC" }, "r984": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(c)", "Subparagraph": "(2)(ii)", "Publisher": "SEC" }, "r985": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "(c)", "Subparagraph": "(2)(iii)", "Publisher": "SEC" }, "r986": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r987": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r988": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r989": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a)(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480566/210-10-S99-1" }, "r990": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-4" }, "r991": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-5" }, "r992": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482765/220-10-50-6" }, "r993": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483621/220-10-S99-2" }, "r994": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "17", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-17" }, "r995": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482740/230-10-45-28" }, "r996": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(f))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r997": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(g)(1)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r998": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h)(1)(Note 1))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-1" }, "r999": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-04(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480678/235-10-S99-3" }, "r1000": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-23" }, "r1001": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-24" }, "r1002": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483421/250-10-45-5" }, "r1003": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483443/250-10-50-4" }, "r1004": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-1" }, "r1005": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482662/260-10-50-1" }, "r1006": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482810/280-10-50-18" }, "r1007": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481990/310-10-45-13" }, "r1008": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481830/320-10-45-1" }, "r1009": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r1010": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-2" }, "r1011": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r1012": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-3" }, "r1013": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "320", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481800/320-10-50-9" }, "r1014": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "321", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479536/321-10-50-3" }, "r1015": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "321", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
```

"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479536/321-10-50-3" }, "r1016": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "321", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479536/321-10-50-3" }, "r1017": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481687/323-10-50-3" }, "r1018": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "325", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "2",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481551/325-30-35-2" }, "r1019": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "340",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483032/340-
10-45-1" }, "r1020": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section":
"50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1021": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1022": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1023": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1024": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1025": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1026": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1027": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1028": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1" }, "r1029": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482573/350-20-50-1A" }, "r1030": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147482573/350-20-50-2" }, "r1031": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "410", "SubTopic": "30", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481931/410-
30-50-10" }, "r1032": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section":
"45", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482047/420-10-45-3" }, "r1033": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI":
"https://asc.fasb.org//450/tableOfContent" }, "r1034": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting
Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-1" }, "r1035": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-4" }, "r1036": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-9" }, "r1037": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483076/450-20-50-9" }, "r1038": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SAB Topic 5.Y.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480102/450-20-S99-1" }, "r1039": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "460", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482425/460-10-50-8" }, "r1040": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A",
"Subparagraph": "(SX 210.13-01(a)(4)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r1041": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A",
"Subparagraph": "(SX 210.13-01(a)(4)(iii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480097/470-10-S99-1A" }, "r1042": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1B" }, "r1043": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481139/470-20-50-1D" }, "r1044": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5",
"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479806/606-10-50-5" }, "r1045": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "715",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(ii)", "Publisher": "FASB", "URI":
"https://asc.fasb.org//1943274/2147480506/715-20-50-1" }, "r1046": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-
10-50-2" }, "r1047": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section":
"50", "Paragraph": "2", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1048": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1049": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1050": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1051": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1052": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1053": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1054": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iv)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1055": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iv)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1056": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(1)(iv)(04)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1057": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1058": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1059": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1060": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(iii)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1061": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(iii)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1062": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(c)(2)(iii)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1063": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1064": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1065": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(e)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1066": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1067": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(f)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1068": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(f)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1069": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(f)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1070": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(f)(2)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1071": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(f)(2)(v)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480429/718-10-50-2" }, "r1072": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1A" }, "r1073": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1A" }, "r1074": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B",

"Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480434/815-10-50-1B" }, "r1075": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480175/815-40-65-1" }, "r1076": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2B", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482907/825-10-50-2B" }, "r1077": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "830", "SubTopic": "230", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481877/830-230-45-1" }, "r1078": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-3" }, "r1079": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-3" }, "r1080": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-4" }, "r1081": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147478964/842-20-50-6" }, "r1082": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483326/850-10-50-2" }, "r1083": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481404/852-10-50-7" }, "r1084": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481404/852-10-50-7" }, "r1085": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r1086": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r1087": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-3" }, "r1088": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r1089": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r1090": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147481326/860-20-50-4" }, "r1091": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "912", "SubTopic": "730", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147482517/912-730-25-1" }, "r1092": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(16)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479440/944-210-S99-1" }, "r1093": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147479432/944-30-50-2B" }, "r1094": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "13H", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480046/944-40-55-13H" }, "r1095": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480767/946-205-45-4" }, "r1096": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480524/946-210-50-6" }, "r1097": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r1098": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147483575/946-220-S99-3" }, "r1099": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column A)(Footnote 2)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-1" }, "r1100": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-12A(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-2" }, "r1101": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column A)(Footnote 1)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-3" }, "r1102": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" }, "r1103": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column E)(Footnote 6)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org//1943274/2147480032/946-320-S99-6" } } } ZIP 118 0000088941-24-000118-xbrl.zip IDEA: XBRL DOCUMENT begin 644 0000088941-24-000118-xbrl.zip M4$L#!!0 (-,$'%F=3$/UG!\ +#% 7 #$P-"YH=&WM75MS&S>6?M]? @;5K,V)5RR/)\MWK*D56$NTZLD=2XMJG*,) MBHB:#4Y?)^-_9X+@$9WHRD[DS%)Q7ZP)+(OP,'\N7[GX/6LFF=O7L^4G+SY MCI?_N;LKW]TJGJN\$FFA9*4FHBYU? B4^3E1Y+79W[57'9K$L]-6L$@=[!X?B MHRFN]8WD[RM=9>]-><)KO_+?K_]*+WD]-I/EF]<3?2/TY+\?Z/3I9/I$[3T] M?/KB|>'^_1Y>O!X[^#Y\^= [^_OR8&_\|_T'<"M4U3)3__U@KO/=F<++W MOSQ\\>CI\T7UZE9/JMG+_;V]_WI EIYY/35Y!>\KX'[^E1_3>)A"3B8PQ=U_M3:N7SP[@6>X3FB%_5*E/U:[,]%7^,H59J0+>HN=70F85S& (NK]3XT6^+]P>B M+-+.!_P6.]S]O:>+3Z_FLKB'*8Q-59GYRR?P_!M55#]5F7T'O8Z_MC,[.-Q; M?(K1(C8RG*_[/C69*5X^W*_K_";W:FJ*<:9NQ;F9R_PO22GS MOC]K$WX#QWRPM_],O'M_]N/NYGQYBJ,/1^=OQ?')^>7]#Z?'1Y,;7HM:A831O 4EL6;Z/(J2YVN10>Q4.R6^>_C\X&#O*PTD3HFC6UE,ON)Z MQ,E!A-A_-1+CI;A0\TJE,[6BH4I9*5-G@@IWJL.PEB52)O/-X;*P5@W@8R) MJ.PW^1,=V3MU)3-Q)N??Y,I&[)P/$DU8O9!H]*]_YSP:MG<'DV1_R+C_^A3D M84Q4:L7/2]A:JL"KP,03)^)8G HPZ\0[(1,84% OY4E4FO M-V9=CGE0%SBH35B?1_=ANW]OM_O19*YS75; *:@#3}1("A0]KOLA*Z$K>F MSB9BK) QD2G&L'7A=[@.?HER(FYP#5\1)\U,!LQ<(BM>D9."5^.MA4Y1 #"[M(;L*24;SIG >F?";P*P*&5;Z#$0BY8 G&!V+XXQ3C75*0A2)" 2+=#[=^O< MC8\,Q!?F[/W'1%S^=')^\I/|Y-UKE 2KH:+4AC>)E.39>86P[6XHTK;%*G) MQJW2/G=PR?/7XDO6[%6:/3QT^@BK4F>[#_ZIN'^T[U7_?_7MSJK++BW:@IR MCQ9BG>P#4OA8+G0%2_A/%+C$)W6Y_@8#E;=. MYBK8 0N55M_B*H..V1Q>_I5<^$Y-J42-Q5+LE/7X-\L\YA71Z*;!!T:\DZELB104BQI$<\D.?BJS MM,XD/08'($F(X#<+'N:0'D0+R>X!6:-BO -=(_;/6-S)3K!1,#BM<5V4%]^$[M*+30.(*-P_Y'I5'KKH:LR&2#H1&Y+2$PR 2TN=&I(]*0\K$>+6LM^U1'QB6 M K.HJN%A2WS:0ND)3)GI*=M-X1!NT!%>|,K2SD$<6F4W.&PTX.!EE45UP+ 7 MA5D U9<'1DV5J H@EIC"0@G2FDMO#;Z7?6)+S:,7N;G-U.0*%I\|JKGV<_E MNDCQT7YAI6'CXC Q)7'19\(0L%DUEJC.-D3ERX LT62;72BUPF9&B5MV3 M)X[XE#X?R:M"*3((4C-? *%5M7 I6IQD3Q@6+.E,L'&#RJ9K4&)XJU!6\|@)@* MR6U?)TN: L<@%IG$Y2W,7%2P=6FUX,==I G'Y[@4VC/X(@D)QK(PNP"&WF!FH MH6#@X.QYOXR1RV#WZ8I-=T=F>;6(SW'S[5A,.Y=SOU6"L8XLF=P"@86.88M75?#MWS]-$%/ MX.\|VMO#(.A^#-/$_\-*!MATI7;'L!|7NZ3Z7LKL5B[+|_\^*.5V*<['6^:W MG>-5)B;<.H_;YA*7.KZ30U^S4_6[(JHNX6R^;.C1=O') M.SU"?4J6+PA;RS9'96E23>*=Y/|:K? Z(]@P"2;D11<#O05P_$OY/\/*)W0'N MOAWU*54+"@]H3PO0]"58!C.[13K3V4Z/=\8C4*B9N>U%"/PS VN4'S^R83%A M;6?^-.D]H>I88V03@)IO!!>DI'0MFKNR6(+75LX;'H&. M>TDN@+>/3L18J9P]HY@W] 2]#>>#]?@UA_WX(HN?M% 37:V(+.J!\YRME^-8) MXW+BN 'QJ1)\KWH^9KD55A%$"GP'(]K1(WZN*G;9KVVO"TVS;Y)'UZLK?]Q) M[MAD@FML M:A2]3%<;]*#M-1(-%Y.#X0#8,=]8.4ZKCH.[I'N'A\]>P9J]2_;WK#\\BK,2 M+V:?.#P'1QE+F]G4Z,\6UZH2,*^;%ETV(8AV^*&=T6Y[JR.715K)0K"7CX">M(;D] {1:=0#ENHBN#2I".K=0>J;'+MH+ST8L.04KT#C&N]) ,!PR.V[C@&U M)(RF.3 -AN3X_;P#.A C?P>CAS>PB$DN&)IQ0A,\,S8.>'0.QO#CY1RF^T9 M=V?5Y7?9(1Rl.QE<[Sl8I-R7D.+AEGE&OS+[LB=TV8Z[G5JT)F.V:$BT8 6\E1BD,49BA8=U+KBR2!NF*)2,%?MIU2,T<7 M*;?Y#XJV;45V\VN1V< "&C>V2?CX/'HSYW1M 93U\R[T^@>2*>P73-@D9&9 M\Z=F/S+-= '[}2*=]4F=@<7@Y!"Y0&@F>E0.I]<84D-[?\}3^F_6G4(\5@2?% M#Y9Y€OX#_ - WJBC1G;-+$'A:FY)H_H&&"%)@$_+-,.7F0DE8"$L\1UP0N@IM MWCZ==0-I7M>T-E3(L/WE0VP^I34M9&I=X4;>|' RZWW@4DA*#&K,)1?^<_*2 MO%<)A X;!3ZJKY,)5%@2KM*$1\) @ ,|_3GO+IP&XJU;Z4DF1@0 BY_>SQ3"T/O^#$ M]Y0%? &1%$QWQL>_8BP[G/W,5-F$-TP1Y]W=@Q;.$Z:? KR5 MA.FSLXA-(G#/<8R1R6"R_8<.H, /L0]H6"MB)BK.-T"B$9QC0TN5OQ8I2([_M+ OX?W\O$?]3P||:7R{4HE)D|>!? *!K>JM1]@,Q&-Z88LIJ V%DJ6?RIY?BW M3,,.7-4P='&.@Q3-]6 L5R.P@$",WY8*0O2!_@H88OC)& M63^\(//#94",(_MN'6*.WMPJF2#SNL/\ENZ.#<[;D0KO\&UZKC=@MCV6; (C55;LU5.B:IBY.8%5)FX'M1)XO;N2%MI$6IFE.K+S MH;)2I(L,'2B,@HWO!PJFXI7^^'14IKC16I#-Z Q)G.!U&$2"[ZM.V!/+7?0O M=P[V1S"3)4@D1,8O=Z>H!G<.G_"GC4C(##RX<*Z@+AV(DUX=.)^9!$G=5"/2 MO2V'E*9H5$F# A%G&O0HS>O+'"DDWF&=!,#=X\ S/0A*0FZ'$1OEC;7 AM%Y7TX2-YK3Y&$5JS/ M"8,30ANH^X 4^;QTQ0XTLBCR>E40*!*]8?@U >=7&P58;*/(5*?HD.&?8(. MB*I+E8@;T*Y P (6$;_5>?!!X@8:S@@NB@'"X>-)'-L6]W;,1$D>P427<0$:H H,B62P$= (PK)"_>;RK+5F/6/6 M,,L#O-B*%S0K@%?L,D563EJ(%[|;>+LFOG\9ZU&\E?.M24#TDBH*=1^;A6@QPWTL6:T)K$*+T9J4#4B-7@B6J*D+L?/L<"1@,6;>=HV^ MQ_O,T.(E!QGT ^+WC4&A+]R!.3J%/+N:8X$F; M$LFRT>_N<70G&3#>XK9? =W'QESCEP45;LY)H@0@12NVV@5\FM&EH))!E>(T M1PUBE1)F7X A:- -%P^MU6=9LH+GT%#QP%>]>]&X8Q9#54,JPG8Y,Q,S< E<5 M21PKU15E:G>L'^W=4%F)>-]K>,I(K>=,IF^^G$:@#Z)XGUD MF%QEEK0+|L485AI_Y85N-9&T[,\//H,B-V,K- _US:M#,P:-9%U:)5[< Z4Z#LT7D?$SI@[X]5MDRO;-@.%S=TX)[81.|\R0AV?@4 T[XIQ#6[;'(E+@)B <84%.B(=!?V:'RV MFZ)X?MTRPQ?OPA[+XZV)? YCTXMLRP09PWXLAO*$UN=&=@8S" :I=>"5 M0U@$.]VVN J2DT29IC1QH@AHP$U(<9/46>6U(?8AK4N.6730-E9HE4V1C&V& MV"B[3@F'_&2+NV);IC>F[LQ;S2&|+K.;V0^F7A TRU%(@<'%+Z66"|;X\BT M\V5T&H'FK#1,*2#T0(&04>F^HAB_Y)J0E/K3M[IQ2)[?I>#MS2YLECW>>CL#+_MRD&L6%^RA="+\COK$0.-2@;4&K+;L27 M*=O1B/8P^UA<4$W>4)@0:G7/XK=2N;M<+/-MMDSCGIE\]Q)LI7(*-BH'Q9%_UMXBEJS$I_.I#UN2OFLE:,E9#A;^6?:CNI6(MA=UM8R1.6%QPT(;\Y-,.[5KUN=N/;)XV&M0V\JDL-0M%>AF[W>!O"^K6,Z'= MOES@+D[#,.J'-GP(7P"2$[2>?AP M,;FVV&[7E5U.@IKRA"9EH|[.<;3S:|LI[#MQIYZJDNFLF^:BCD=EN3HH8G.P M06UG8R"@=T,=FQP=8\EIX(X3WW:AL5F\2'--R@BM7&'JFMPOD$6YZS-$"\,Q M#UZ:)%B7S@239MZ1N38I+I>ZZF2REOU^#9(7A\V? HEHELNO<.#'/MTZD$1N@<8X\GK:SP!2OW-4O89@_%&I9P M3CD,MI46ENZB.B5Y03R_3M;; ?5GA:FO9@Q*&:H;(.>E"8T%P2EKU'>B'CH' MUR;+PK#+D2_\"5TH9;./D5;!M[6?./CZK*256L2W?ZC*&A&8Z I"%++H M2U8.5)B]*6$AC5+/^D2QP!7)B,+8>Y!>GC(@0"'G4^P>;'=%Q.SFXJ/$6+ D M.[(PO=M\P<@@?= {1QYC862;?N(6%\$%*$XJK5@]&#,K!Q!F/=\"\'S@J?CLS'0BNK5*:UK:0V;?A MN.%B8L>MI-$KGR_QT@ZC7@LQK;(3^CL6,N"-FEQ55NTQHRH5.(/+%H*QD;U M6XK=IYNPE0 &M;LOARTWUXCRR)4-Q\]|[T.)>!0]YYM=-;>*V$.K&U)9S) % M+=WX], ^_M0"M(4BY 25E,K4-4GV(G <9(_KCSOJR>V)PO=@R@^M2?D)#JP2C M1&'2Z=$ZS.I[RG=M@8-E+ (0)95=/8."@K$%+8T3<>18NAO@#P0K]U7]-QT:PY$A^.1M;P0HYE,F75C([$:!).5L@;L!VW27 M.%]$4))CA>Z,C)OYPR,S1KJK2%HA]+FMH2F5T*UTL@R4U#-"O.Q+IW"B>@K MF]T+H>)\<,RI&K9(;&QJI6OPPCM&J]M5-Y-K $?BK(=;M_%.00:V M6\ZSD_.\W.ZRCYZL#^;$$@6 M8LA@^'6J.@C?@:=RG8L%)MJN]2TY\GN/CX(=N4AQ818%%B\'#[^=(8Z-7Y$P MTA0C.'B'I@7/(U#4'6_)6E!*[Q('1W&H.CN' ,,,.1*FB^+K[%15KJX.UY&X M<-FDY088Z0MC>E%VB7/!L%8,D<-B8)M_/DM\S9FZ08^7K;?PT2NSYERA)K/(M..@X5%+ (K#3_VIR<"3_@+1JG36!"T# NF\MC[H^%,I?D%5?>%ABR=4JK-F< T7E\>AIA&%LH$&K&'|+(XM)V(K MM8%NQJH"N*B56^>^ZNPNVSFU5?=T'8 _W]T7YB)&6T9(4: MS\'ZC(?U*_=FPV_;^<$7&+&Q.+#UN^)5NPK$9L)M?02:M6'")^!4>RX.CW\W M2-X;<'3GSNM<88OC5$D7CVOPEK:@$&U'1G@C7,=GS7Z#W59.&,3$\H#$QP.=_M\E>.K\XY34MX3'L ;>XJ%9ND-"4V::RL>[F-@NO2#U]B\V;;Z&>.!$ZZI\$.\ MF#OQK#U]HN%P&>FB.:S^@*B,"JP7:1AWZQ#[RU\[KU!'^UOV[G+WVM6$]QB M8^U9D!5L3WR*^S'!'3"VX[8A 517=>%-50M=B0#E5O;JRM15K(=W#_T^4H" M Z!!.@]+-"!,8'/^;@A;Y%DP9E7_H377B.Q9]&(A<.SKI &0\A2XT^C"@R# M$6]=#VF)!>SC$TQ$.W=.OISOYD/4KL$;P6_!L %_HRYB*7%:-3K"AC%>Y0)V MM9E.$S%7Q152K909MRW"43=_PC!4Y:L4;>@$J2/OF>C8Mf/_SDR%f*$URPP\ ME2:GD<0B=?U65*L5*ZKO@@^ L8T[@&$@% <.6@*ZX+K'P,5+^UPMY],LUYCDG.HL" !USEWR%1T-7-VAIVV T3Y(£IUT M!)TA8/R@,(GB^&#P"_ZUAE ML'3IQ$4EF50-@,.=/MY$ 3X4AG1?73;EY_3ERM?_PGU, [L+K\58OW1DN@^9# M,D!C=IX8 AM$)\9SEW4U,P59 "QMOC?X4#N%=FQC8BC9O]X);:>TQ[97!D1 M.O;2A@(M5^D^WM:V;PF+3)"7FLDWEE536TI"VA-*Y\]RE9U05'B)_ MY/]!K%V'Q^5_9:Z"7HN-%@K++"BFQM-I:[2P!677E^QAI[F_12?2'_!H38$Y MHN)?.+FL=C$=AB!^-5%A?SM'7W)1>YUF6N,MF]I(&"DEX=&ZK91MGF>_LU]% M@G=S.H_4=5[D'KM?//SIL@6WK37(1XGI_I5O/*SJH 9)-FZ"RI2/=2(<18U- M0ND4&>P.ZK%;=P6 NY94L&.%[+R1.T=9-!H%>/BO9B2.?IDK&S=]]M<7#^_^MA&*VK2[_%*W)!88?-@3+KEL#LCH%@X/T%\AR;/E'^4U*3'#N(^S1"8.X^ZE M4SMH#?$N >D==L<9,-1:9E7BG\/Z..B'$90]!F<"PQ#3K"ZYK]K$QZ8-MZET M+:XP@TF5:.7!V2C,5FU\/#.V8NN=O.5 W5$QUE6Q&IMG=?#RXH]@Y]Z8B=L: MN*NBL#$.:,A>#IP-L.U>CO',$5/D6HH=V!%LF;E&F"E1:-=,=S$)V,0(\#RT MTX$N59CE7'*B/^B"%XU34O4C$UQQ86+IRBS\C9%K7+L):O<@2PZ'[5BA\PZOCS?%EY9 MQ0..A(T0!74ZH)UP$;2NDX%\),J66X5"OR2T;!-#YT@9-T^W"5QH%[;T)N*[C%,9^%] MJ2[2>EY6K4ZS&#B0OA&"/;D\2& S15R'W-55,HQL,S1*,/2JI6NVV\?;-X_N MM*%F(+F_CR@C2,/3:W82"#3 MEQJ%3PKM2$6P*&*:.8;ADZG,B=$=, TQ+N:N_>0KA0 M4P!|\G;56B4_1G,!TI/JWK@4%5AXKH+.B2&&H7UR71@FJ;^OP)!.[2/JX+7A6W_8GS7 _W]>@5]#%2Y.?KX\.?Y)'+___#^ .CRJ\W9.DF6'%RQ.3/LK@6J_00K,_V<)H#T'|%&^D# M:%H]<4V)CV=:3<4/.@>7'AMEOF>SX0]7O'J2#?IL6(/^=6PF2_@QJ^;9F_\'M4$L#!!0 (-:$"%F4?C5&\" '?2 7 #$P-2YH=&WM75ESV\:6?H]?T9/4Y))5D*\Df\M-

E2(KB682V2,I2]KP2;:ED1;.B-CJ?BU^FRKP3!P?V]M-BM2[U?%&)X\/C1^*7-MHGRG;R3_7ND]4U^[Y[SZ.W]^]7=ZR:M),5U__6JJ;X2>_N,+_>SPX>3Q\Z=3

*M*6?*CZ83]>PH/4KE9#9Y^.SIY-G1PW\>?0&WPN5\CZG6F?K%TN=`RP4OO_%MH^XB\',[G4V?K%WZ[U4AEQH6[%9;&4^=\2(W-S M8%2I9WRAT?]6+XYP_O3QEN?*

*I%)Z3Z5RY+3@ZQD6_.OOQ^NST>W'ZYO+MF\N3 MZ_,W%^V%W\$Q'Q\>/14_O+GX[N#Z(/)'BZOK-Z?_(WZZ.+\6)[^<7+X6lV>7U^??GI^>7)_]-MHHG\6IM*S]9.[SJ?PKR]!X*

*B7XQR%&A8]8(C\9OOZJ*U8OG;4:Z\UU_W4(^_MBB[D]??G5W;=M!%+.56B6L!?;KK;V-ROOGO^]/+C#""^%/_MOR0CS#%N+HV5A,UN)*+2N5+L_I%=%_M*2M=V(F0XK7*)*

*(Q5B;3Y?F=6,1CK+BQC(JKBLZ#Y+&9V1\R\E6B2ZI5$(W[[M#/)@V'X)3(RC(6/]XZ\@#V.J4BME7M1@XI1X%9ALXDROC2"[?_"7*YK52[%V;]J M7:W%>8Z[IV^4>)M)5"A&2' IJ_*

*@F4]%B4]&#W5G& 9&N0N4$I'!-?Q$E+0H,B!F M@Z0X+T$=T=5X;ZE3% ',;,DBN0D)MO"N41Y;Z+I <;(J)2SV!Q:(M *>6O8A3 MC#O-=]"%)<7URW0^W?KW)WW],,;*

*<_'FET1?;MF\NS;>Y0$NZ&BHS4 MS",S(LN*6PR_(D<98HPT*<:6<1\]>7C9R_%!^U0*]3Y\$ETDI8D3XS>?/7E MT9/#E_W_;V!W-*

EEPKI4,Y!YMQ#+);!Z3PJ5SI"K;PWRAPB4YJLY'/D8SRHA(% MT%AYJXT"Z3 C>0V?%=P'>C(+0);?'+#I9(Y4(T1<[#%,](T?>85"B9.&(GX LMTV3;^O2U*2I"T\>24_)(IE-UJRS343]*

MH,5O;8,I%BY>#Y_!0.4ID[D=L!*I=7G\,GGT$G<)C1B9.K)KY9&Y!2%"V4X M073)%!AJ*L'19&*Z@JO(GT%N?_K@R)$?TN!X9\S*'>'SQM^\76A0",&P!$9] M@|U E1-LPJPH9TI7=>>E-*

G9B!8]61G,&/PJ@;ZL6(%U.K(KCWQ/_+C$9'!KZ <1>9RM;XJAH>M\6DKJ:7&;J>D<-I^\MVJKG^R[E&M<)'CLIBW>P_=F5BXZ[#A*UER.&4F4YUIC%V1BUNB4I^^4VJ%*

*MVXPK;4A?;]@.C3D9R72I*3(OE"E;51FY@=YHQ0>2LK#/%_2(3613GTQ@!. MJ>;D F7&![.FEH"NRE&S*)vUL62U&!S*#=@6G_O6HP;&Z50HV/+R@51Y/H M AQRBYAA-*

10,/)PU\\L$J0RX3U=LW+IEEG-%=([,-[+6:"Z7GE6"L8[M,KD%-M-J<8K$VB#C!#.F--+,.Y9NL7OI+O%\?$)@I1H/=;MC$K^!RQ5>IN^)B MR8@-M5 .R>DWRET@1(YR-)*

*5G94$T_]67CYZ^A&F@P#N82&/5&4@2X-4E"E?[+8HJ M9*I @XT&=1M0)RL.:?.V\N%%ESK.0XK;4507T\,9Y0R#>(NJ#V;29/6AD?"I0 MU:P&06B !*

*T(?2>;24P@H\)O!'$*F#5<,*19=@(+QY;DHRIOLG=?3*.I!I-1X*4^3"";C"\GHVSIC](@BP5B@*2%)OOOO1<\QC?CL#=_M4XD0^Y'#UK7/8SF'!H)XX8GOM9&3A!WOQZ3^_*

97]C!%Q[O)[YPMT1L M:4L LH.K4.L[OBN_+/QDFH&HKTH%M#)*EK!A=@2SZN2@L,(E2"BA98J9 M_.5231'80.E]792MBMT@$MPP=Y -L0^Q7L#4H^.[,TEA*

FRD8^42/2E:1K%)-M1.R-QZJF1TQ7U%&);X@JCM %PFQPGY(KI-+Z$G_*AU3+Y>M,JW^W6G;1@)],8-_.$IMZKM*YL;=%4911UB/E5-BV/=$DZ M%8DRK.V)@0N)A? JJTRJ6_AR?8*

$.SH^&L-LUD"F6'>X/IAA_&72SN>_M2Y(HMG-) 2KUY[F!XWW;-Q*DDEAGY&X+P,AW?VI,22ZOPPQB;|.=WCP6F*-_M=L%[MP4#6%*VBTLHTIT8B!'XAW5PV6'%.DKWS'C=)N M)-*

G^"G4/E^8]9!.&K MQK)SYT8"+8K9]3QTRM(=Q%E2&VTP?9[<ZE&+VTP?9[<ZAF A;.!V;WD3E"]05 M^3U%:?NU@658^D1MPJC("TDBR7\LC!!]JTWFQ$0?A)&*T(T4G+' M-+5I\3R]9:YO4-$IEIX.XR138%W"?DTHA5<\X/3;D6"6IHHNOGQ P)*V='$ M=.;=#?KV!+;T>,]@2_ ;YIK^*/,<,_)O&TF(WU/X]KSB8.IV/2T$;9 Q8!4 MB'] G8#& A]1B\-*

*<$+\4K3/$M&RY8J>(T<-#ZX 09R2BSBDM-2")0AHG] P, MXA&B9\@%00\-+F!M.YTM%7HGUGU14)$T)O!ZBKH4HZ>/Q@+VR\OG^!"[SPR] MFW$K>6;5ZIU!HBP\"*EOG,-*

*I(^!IX#*0:C!SL<>T>Q-E0Q'&"($04(G3%WQ$O^:^E^WK'/*]IAQ3NU)2/OR8+<2'9%@3!0A M5=;;2$]HPLL&<EM^A#?PABY7[^.!HTFF9!0G2<]#+'_]DiAPG 6]4XRJ&T*

M(QM982]^NBW:.663A&Y6SDM(RS^VS3E8E'3R_LW"\HQW+T&'FO6*-J3PW M=6\!?DX,M1-##_P^!-,*@O"5&"ZES&@QNHEZ+1=.H4*-U#@$#?:G96GL[JD%[A*TKN*3'P[I5[U*

*M2*M@A4M(2{AY#RYJ\('<^@-QS-VB@R=[Y1/Y33A\?K)[X H4Z_,>HL+B*-B& M#] 1_; FAA9<1!{)&AO*1:,<8.H585#= M"BDP]/FEU/G+@AS=,HT^;)W&8+%5F]UC$'I@E9*

SXZH_&;CI>G&:. 5Z,GG0B M4BW4;'1HW$Z1K#,,]XDPQ@Q1(K# ^IK/QF+>$';,@?HK#Y1N&9;X,F7;E!)R MLQO&5;[<+]3T GY-V9U;%%08C;L9+@3;I'+]1VH=DSA/MTSX7A1Y ?

*78,Z. M&=BH'(=&^MGZL0^DT,-3!7P.@413"Q+ [3VQ&-62'!5212SL,N-5480%+!=M M&%IN39*N59\[?F1+HA%VMO5H95>S5"1",9B/?ZVHO^B4N'V]0BY.P]1^2Z2S*

*M.P;&)PBDA7(Q'>S\ZE-PF;QM^:_C)0,$X2,81T^#Q\N)N\7C[!PI<#3H,]! M0I.R*2CG6]KYM44V^T[<6[2]9+](WP=NUD*

$LN0>K<9LCIM82$!0;)S(@KQ%&0^P6R'>=46EC."S"6Y,$^]*9 M8-+,_S)7;|[-FW0###A%XSYSTTKG_V.\A(GES6%.5U2:17>>6DNV&N"'"!8XZD*

*M\13SFC9P"@/1TWMC;S[,.Y'*O41PGT]]8BI(TY#4(>6^90G;\% DS114L*+[MDK0B<\863;@0D E2<*HU4U]&LBB++>KY@K-1050M9G$T<+8AD64NL$__0.=BC M618&8$Y\L9*

/PAH;>,&<=,:_]MJ[UJ&[#/'IS2B_C+W%-U?;)\!3Y0D->HEQ% M3Z#2H-7L30G+;12$UJ*-Q;)(;)2%O0<7SB\1R!1D?HKXPR+.;56[L,GHJ[Q8 MN#?IG=YMQ]YI<*$P.H<1

*G9U%K;5L,6&!YX,*Z;AGG@PE8KQEDI[C$&P\,*B1V01NBF;,,*#+19+GY M=9%SQ(8?U&K+@7P.0A2I-$5,PE7GF)NVOSN%\/+P!$#*4A:8!=R^_>0#F/J-M!:NJ]HPX#?I-*

*FH*C*WO^0*#//>KNQJ3_[2{Z9'SB6?KLHT%H,VGK88CKJ(]U*.MWG$+Z,2F2FS#DUSY?MR1)!S16!R4EY+_8XT-8M)R7EM Z(6&R-_6%L7C(W* M#!5[5#=AQPL4.=V7 \LM-*

*4*8H[@,J8B)M[IO6$776 Ms%4W/GOTEQ9,AD"<[9= RM0>]^ CG3S(^%%_=]9#WA-C(/F>&6/7|CT:80;_M%(4Y]X_4:G6@9<-]0;+N6\,81P5U5FW]N/1(JH)&2D%ATU48&%0P-*

:AK['& M=0,*PZ9D)3F2[L9I \'*^I6.7PC-X\@0?.ZW-P(4\RFO75AX[T:!2\I!7W<# M'CID<+2(;"0C'2]T98_>X!D8FS7=6T/0K]" VVA:@VW85OF<_FRG/Q_M9_IS*

*MMX1>VX0O9F#X*00 N%0+@R/FQ$(N9H],@HR0JF%EPA>;?1 GQ,2=-.9W.&8 M!@3)'UZAF80 ",PL?<,.U0%!NP>A1(')HNPY@9[Q,_CUWSV6- RB.5_/T4R*

*M.*8E#:M'#*]^T[\$"'G,2_5>P'UNX3FF<),Q2MHH@)@WXOK1JVZ3B1MO4:?M6 ME8^U]HAZ>OL=U<_[RA$).XCG=.HX6L6UE O)AY+;**C/]IL.R7+(M6'"&D^!UYM.*MF*

*MM4T?)+PA(F.33QZ1AZ6O]K'Q#L(6*5HV&-(!4@P311O Q^VM[(,/^[,)\4 A M% B&7Z>J Q >>"M7.LG,((+"1 RZ[*+I.#V +EDUH'XD* MUTW*;H"0/C"X%R67.!4,"[0>#S$YK^=)#*

[F3-V@)^O66_Q(<>Z4U';KR&#J M..)-R,P4?VQ.SMH:/LV9*(^0> ^]3QT?^AQ-)%^0-9CPOMAS]B1F>U@#)$G^ M682==*VDR:QU4-*

MUV#V]P1,W)W;"O)2AGH>89]X=,VM&_I,$"#PQM\?Z BX M;_ME19WXYJ%&_(3*^LKCSZ@2?-LE3C^YU [UFBB5#35@$0PF=&S)$OO^#08O M5E;

*QW5Y6S)L.HO8]OIME<.$!DBP=!$EP.K"DK@[$39.+$/*J=M5);@M>;&C$F*= M\<,"F/L22S\ZVC.&OT+WVJ+$MN\W5>TR$IL4M]43.-B&*9^H!^2I.##)V*+4 M.5*

*DI]'K7&%3[E1)%SQIT)BV(A&M1X;J(IC'Y\U^)6XS4X8XL3S@5/+ V0X, MQE?GG+'E^NY23?C6 Z]R4]3CI(&RM#9[Q,_CUWSV6- RB.5 /

F@MAEK%K)H4XU!0^MMHJ60T.5.EKPQ3J%?VOXI9C*N?I_,S2?@A,=QSL@'% MS@W:)T8T4*JZX+1RQ#YGN&O<*+R),TC@4W@@D@BTST\?<)PKM),,] MS-J4[MR8\"8-VZZXXG+%4#.KEZPSI$1]#IC@DEL0*--0H?BAXQD[Z6_!VF#V MRYQCUWB13S%"N:2VV'Q+,Z;'>9SM6MWT*^NTV#:Z@%@<57A<::)8"?,PZQ2-M>'0UK#YXP)'0:7*K>!),)Y/;,&T872^1W$!#E J!f5@+S"LZ[J?_>N^2*/2WC&HJ0^3-%OL5U>,J90"7 M+\F7W"_1-ZNRVR72 O$@#@0!^^E#L&W$H]?Q?5J9=M%*]9; MO8OS8H]:55*U.P(TURZ-,/4S!?!*S2/1_#.&51()@H,QG:F5_=X3#MZ!0 M=,JG>H2$9@EF=[8RUP@TZ^7*H86WWNGI!:?$[HHP@H\/2Z-E<%D68OJ[AHXRX MJ$VSCV!'R-S"N(J6 ?9N6&=7>8GUZRQ4%E;,\(I5E!2%G)?#'H:OG/NW^HS%N MCG8/.LE!_E^DH,CDUIT.6=0AS?64NASME)&/8$_,\+=^EG;&77 XZLN9A&16);ES+D MB48VZ7*KZ4QR&Z-]/=\@*ZM,.XRQ[Q9I9!H'$4FN@C;NP[}P=/&<+,#!U!1& MRH#;2-L9/-?9TGV;K+F]LX1W3;BDW+R+T)5)"E2*=47XA.O!)Y]D G%KE=?A M+&LVZ6D|\?`|>F-UV;8/&=-?6X-2RDXV9PR?I,@'T&(P8NA3GQ)6M(5*5 MXR=;Z0:V)@4M3/,YTK#\F6.#HTTQA>CG;-8X'TU99L?UW*;BJ75_%[SG<-M M^5KJ!^4RW"]_3G1(J&@C5#;3*BB&*0L,F#!N9U$_(BCOV4OO+^<_M/9GD;R+|Z/T:MM'Z.T_G@MOWWTCO#SQDWX&2#@-S$|*K>2AGWD]A#"UL(OA\$_GX2GP=/#YR?'AV(6'!\?^Z?/G\|,_6.A9V)V M&!R?'/QU_*2GH,"O3VCW"7#Q?W^Y_/*RJBR5W*7)_W'QX>KRS<_>U<7[WSYX MYV]>PT'VYO4E'F,?]KD>;17Q1V&,PDZ.VY:\M"MN?8!4![JXUL9FK) -]J.#OXWIA[>) M-P?O+>4T,G]W=(#?TBU>]GF/^O&:A+E=>]QO7*>I5,L@IT*9^XC=X<8W0(_W M6'Z9\[!XU]#/Y^?OO+=\3PZ8GY2J4?=%MGJ3/%%,WX+OG]<^_6N]QP=_M')U;\-^G]!KKPYDW"Q4VQM)W5!*<&,,":MR[^O#>>R_BCQ3,*WQP+*10>>](M_)UP-41]>VF.1;>2#^=^EY4,H-3^18_PY]HIT-R38_&=Y8U9\1H:=K=>W MF8W;890=2G3L4W?FUWTOPX=6GRR^B+MV3<6O.T=T\'I1RRJ3Y$OM7ZMRV,'=_M;%U+'_>62^5-Y[X)[3 H.LQZ\!8_O?L6CZS,4-=X=Y*#@O\'FWS?1B[N?*G M_W=TXFA|PN(>R]/!=9[]:"4L@:\/X$V&>0AZ'+;2A>,]8,H?7@0I'BTD(N-;71_'99 M6 3KBA1G+(O+_.C]'1<251++\SP[W#Y\)2W]//RC!L"O[N'G!6))9*OC!_>(G(`MG$BL7H0Q\0?]Z&55UDZ F6[P8 8G7XL;B1E K4.29Q@RI;ADEL+_ _-B';#< MIZ_^D07-[XQ]\?I;Z]<'^8>MWG<,^VS\[.-IHV' 0E'G:0:BU%/$_GSQ] M4]_=D?=@'ZB!A1%AX!D!U=JGR=+Y%=Z>%T?+3]ZA*W!9)R[3]>L?&;1]E^'T8 MN;]%TR5'(^!=F%U$,'@O5)3V*3A8;\Cl:4U0]_>_&1NJ9]X,D;DYPD7ZGO$[M#++2%#_2]U++@-/W9]V MIP.3#4SUT+3#?]^#]PR$H9TVWQS?46?U))6;\]_G$_&;X%"GWOL'>64/'1,9 M #\,P,^S?M;O@#2[^X,)_%1>_,^(_/Q?>FNN[A]D'=S_P?T?W/\>T67@J<'I M'YBJ1!0;W/_|_>\WE?OC_CN&UA\AF;>/ONC$-3PM&U@*LF *H3!B'_MG8NH;XW#U]HOZ]^-OF\?#_KVIR)MB<+*0>M:,U M-3^,,9U?u:-L[K)7]$(5-BFMQ@@^\H5_??TXTV=\N!V?XAY9UV\S.1CLZ]>6BT MTK]=)OSVPT'8MK2+IG&I?8..:=NV$)_"1;Y8<]6ROG/YSJHO[$;,!;XJ/=O'$ MG3D|QB6T 4Q_W:PA*[5;Q5+Z)S0[F,)P9YX-B0:AD3#5\,2.N5H2"T,6,+^_M^^Y#,F%()@QOWS[2KF_)A(KK_MQA$ U!,_M|)D97(]TO'\R^)V#W|DE@-O@A7Y9+W0 N T^Z0Y1L6?N0V_H,O@4X_%)>T.8 M@:D&%W3[?#>XH(_=!?U&Z|N>]I. ^K6^ C)V%%[8C(PA>N/:M%GA'"*(U;4-YH MFF=T+5%4.!38<'G\F6C%GB/;YG&*?)_] DC(UQF,PG%WR\L^@=]=K+$1(CI MC+#(.Z^R9Z"^SZ' 9P+DK+?8M%N1RO CD2OLI(UAI8=IG>]B\B\$Y[*K^U\D MMR.0XW90*NTND?'^RK?E/L1U+?YZ?^K='8;H|/3ZS< 07:O?*@S1.:'=AR&> M])>V@E$P0X9HR!!J362B4[2&G-" 3.Q_T&7(@U9H"%@WT?;#5F@@:F&+%"/ M:#=D@;ZM+) +B#@XE3OD5#9 H[WR;#X7B#@XG5_6Z7SL0,2UTC$XI;M|D@[^ MP^ _#$|IP%2]HIT..J4|/CP'-_7;[_YFO\!EGS:5]'U=V'&EL#UPV8ZBJF^O!@ M%T#5FRJ4+:.F/,8C?U\1T-L7[|"+>[)S]V"=!59O74/&C0W/EP9?M1ZC!.W M4Q@::?M|K"G6[#6RD(2GBU;]+Z(5KKXE'1*[K)L),@'R$[*B:[.L* MQ-.&0J9@2(9\X;Q)S[S&02Y3Z4N4059&"F/ZA6V\/3(R,P;2UUF+%Z"[9(]/ M/?GAXM,\G(:9=[Y5F"]8VR2;[EC\" 7S=A[ZA|[.[9EIG/S^BL]:V:^S^C_ MM8VJD3';F=)F2&.*=@HM9F3I*"Q[7T.5 1_"W"Q$/^H.V+=-M(PW@I]V$7)"O +-#4 D)O6>RO&$S)VE6"VT M9FH[_HO9+T1 >VD,,5R\6>Q).W/ -IX#&4G/& *PU>&D@9H+?MT.'HMHIDE.P MHX H=[&_MF3/MME:7T>7M)F 3]NF]5K.B!G1%-RVF?<3%[WDZ3)1LE 7.K)1 M+78)<-(45M"LB<*QXE#4SM1FK>&B9T=']VV6:'R60*T9ROTM#7VZ3-X@:A^ 0M2QADXG3H+$0.*0RJ=TK@FQ3LKT!^@=@<62]#ES$IP"*88F-],YD)<)A1V 13Y* M/!AO<2!H+%,/ F4|I(&_+ ^ M*DO\CX7-D*)$2Y!6|E//MMWN\ T?N30(/XV1M@U2@XC3G$!:&9BMO]/1@# /'2OHY!M;H,6)UL5*@"LU6T-))&,(4CCCK]2+N M@'$1*52>%E%0/DA_TF_4$H;/$UV,0]2VF^ET(Z*^1%,#TR Q/?!I/"'",67$%'LO>,2EN9LU?H_2R79(C!V M*D/CG>*!&P0D_D!O>#C5FT4DUN$>UY::S8+#&KDGH2.E,=`=]>[LNP9Y=?FJ M%J;KC1)QA!!KJ9]LGN37\PZ1(CT@P48*#,^I3*29D4,71/#HX.@$)%>!=>RM ML-B2-%4V5 /CHMRRDF,YBBTI:WJ2+&8##$S\4$U^PEAC.P"V?@9+W MH4U,/O7!GV>Y/TRK1:M980WEE88>%IT0DNU2PS;B\T5K'V!@9&W#<;,ZB 1H'(;X16#W6OK,VZV#_FB0HSRO@D3W:\(Y-Y]>#DTWAP8!BI6@ M*0P'QD;=&"VII=Z<'1M;)^TL\:W" @YW 18P2.@&$Nt*[NZ$A)YN)[$#2]R9 M)5R6R4ZPQ-G $E^")1 VUY_]_WW_P[YW+6/PV3"S)GQ?+BDTYOM)'F<,.'#_ M*Y*#]_]@3&#[S:'<:.H*DR@_]AMO0PT49#Y#F:%"6WF$5WS='P6V6N)4"R$46(]_$G3\;78"03S@4\]F48 M) [/9>BJSNV[Z01LF'BA#E*9D:KA%NTY$W,!]X!(>KEBX$L1\;6'&AD0LXR8 MA6";@H,C;P@488>F8!EUPM?&8+8-,D])-P-=3<7K#SN=N\)Y&&B^&]9(YAO M!D3.PJSK)\,I\5"GA%6!'T)L30K.OMQ18?)5'(G7"0J@>:Ij:?Z@(*1URMJ)%? M,Y2H_*@=L!BTJ :F^P),UU+VTB->Y!#Y6FX4=M?2^_9:[>KI4.51POQ9:*W# M@3L? C#O,"H]ZQ)0,*\BD6$/(Q5-?6DO2.2X"9"OW0W32"YC)0F;S) #Z7;_8 MK-&(NDHNL(JFXE0-B.,RGT:A'Z&! \]F9+Z"!9C"[.##V.Q@8_4.ICP(RQ<7 MED&QK^NJ=!\U?S1P[D-O;1#IC*D7'U'N=>DJ!9KXG57+1+OEZCL@:<>BJ=< M 8K^<)4.)Z N"R.X"W4 I2.7C\LX*L7LU0U5(%]IX<7B\U88RV4SU+!IC&=B M@FH"WU!PE_(D' O=(H*G"I' U\R1"2R&569[&WDA^ M6H*IJQ@/:ELP8[+/7;&[SX'EH>E.:"R4; SEDY%/73;X/BI$@(:SF4P1=>HE MTTR8.B*53[,4@3SN*,W2Y-%,WJZ1L+++9A:XS@>'P76\>52/;_M@5X;9BF&/ MF$$(T&IP["'/ M# F"LJ=2[E%MQ])4B<0*F']-CX#8RPGCNU 8Z]@>M3;3Z[+X\Y?T05FO?U5, M=VD_U^P/=+9)CR>#!++00PF@QFWTW-D@ 0\E 3.8?RD)T8 T&88A*\7 M0F!?F#H<9\A 6P:5 C#Z-&2LTGJ9$;I>>]34OTA<&ES<)4T;3H7N=XF M^K;@G7-%VAKI+\90..]+GG>V/=1P=6 #=?FQ>1L&BVU"UA4MM[!AUW^MX!&H=\&O MQEXL?:F42%?X@/Q$>'IZ,%PL088H'B_&C(@N:FKM0HP$:!)*-,%H&3ZVP.Q4 M",Z\KWU_:=?>>B/NP(=)AE0FZ;6(P_^0.$T0MCO5(=\)D'8I4OUGKH,&2OK_ MSD/631,.GQE%1>EK#=]>6D%CL\GJ;O.8*IC^ZEE)#/*W!&6 R8;A3!T4/FE M%;N U?EC'0-3V%)0]<0/1=%Q59B.7]9*>>-'P5B'^X#RJ4A2.%V1VI285+3!.M.$.%>D2'X BVW>1>J;!+<*CF,G"S8W%9>94I.1HI-O\+3':G@#N)0I KPS&K MM#5X-$'$=A%,_*-:8RLK;SHISKA&B+^>R,$'*V%_!Q)M3>N'!#OEZ;9\HYIH M%8Q/#0/KN98D'M?$@/:80]4*GLG4A'#$]9*U3RE=1I\405_=VJ]"JB(92XZR5+ MZ.TU*-)PI8/\O9]'4@5=V@#GS MMAN3CO8>]8)'1:]LK2Q4#3;^P9OOOC"[$ CO@@SH(N_ 2,WM^]UF;YN ;WM M>UMLNXO7-(*RL;0765)XSF(IV*RE44DS-[]^<7=ERK.S_2$4[P8 Q9K[:V>]ARK-Y46]98T[HZ"+/Z=[[=H7EQ1;,9 MT,"T_6;:MLLB\%*H\CS>9=;&L0V&TK[3Z8NQ/%]P@L7>H4:VW?%R*;=+U!2% MK;\:RKG) WZJA!]ZN@OXJ3LHRBVIQ4VD9,(83++XW.&VL V%Y7Z79[>+SF9+ MI& 1.:3NU]QV"MC?X6:XYC.<*G$^HP 'EEP/F&A5M;H<]NVC]RAOMT"%/>9 M9X>D _1;TP1%!VM@<']JDO"V'HE];M!?U1OAM#X!!'S!F8^AT$;,_W@-\]T+I+B(-MX)4[:U^>#T11(6M:Y$.-\_1 ;2XE1C*ACG:@.R9'(.KB%=DC;3FG!6TY",=!; M?A(8>YZL:L(+=!#M-LDC',)!GI.3 MOZTO^1]B4)].FI]_=&F']:FX%F&,8/.YPFZO$V'/42C%)0Q=_,),[5N4: H _M0UO1?G71U:ZZC,CIF!!I28MQX/KLP77YV1>O:.2)60;9.E$&G57:O7F,4&V) M*6+VQHN2&%OT4IQPV. M,?#]O$KG14]C]@'F.#0<[F5YY9'RYS+((R[6PP$G MQ03@1]S(#*/)L5&E>3A4L29U;R(VX^\+0)'1:(O+ +=(],.T.Z)4\.\"9-> MQ55_R*<^U*Y(,=!3B924#@E+M+!$TE^PLYZ54-3%X)%*^2%!\)>EV__CD) M*Y0)QIATC6OQ=4.CTO6FLPE5=ZIK*O>P""GP1H>$QG@Z=I[!O+'^-'43TF'N$ M.WG%M:CU9!Y@C#>$\$1,[?B+B,.0,(B:B&DTK,&I0A QVD#P-BK@]SWF9 ME"D/S5K+'F2,+HI,Y, ^Y/M6I"];V+W%%FO2MZ=WF(T^GO(NN244[_\G=YA2) MBJ94*80*8R2Q+SMT4,>6N,ZU3?%+NY?]:K]^=[=27<[K>GN6ZIK>-]7U.7<1 M#W95#Q-=[H8C6\L&3(=LP$.&-(*Y8^1"U?5@8T*#K>ZSK6_3YW?++#W(B#,G* M6K+R>$A6,#I,&E[0TG,KC<5D:G(`$P=+H47[8N_U_+]UU=/2)Y^>(PE) M)_F^7D+2^?]D"3=1LJ0D!QL[2TF))U7BI*1,>0B^[&WV\U%3H=D3')V2 M3%\'QK&GQ'N2WIO+;T_(7T/*U\@^Y+W7YKW1Y+W=NY:S_+>_GWSWFL6-UCQ M/> ^S;S#OJ23?U\M[M.U]_E[QW2_NT(>\]V$2[G1OUA]SHD:O]UL_^1Y8;_6K+_,\?%*XY;3M9>-;\&-C)SM'V'YON:S M=Q'PJ.GCFO;BU5;W<\'M^QPY MIA8V8T"+S]BVPD@>S:+V"UMT_R3&6BK4G# M1(-9Z$8(5HYD#)1W(&B(TT9V1KOJ+]UUK4^'X%MXN7>ZD\]FED-C2T<$;PPK MNM0M[_MT%X6.9)DC&A_OT(1PF,G2[I]?8EW7@1E/+=0?/P,W91A[B)&^2D4X'B_02N[(8?V6#IVFLGR/5Q]L^8C^J18S!!,S#;/5I,YLQLJT;P>I26,*:X\#0R4L5B.@ F2L" -< !S;71C+3 W,C@R,#(T>&5X,3 W+FAT;>U] M,7/C1M+F]_T56'O'+]D!R3I,?7@<(;ME6[%Y=Z],MO?IY"@"11'3(,#|(37G MUV\>54 !*(#4U035\,38D@@6]K*R\GPRZX=9-@]__&$FA?_C__CA?^!L,&IC M+Y_+*'\1(I_^DZ>!M&U]Y+)/@>I8Y!WI'1\Y?19DH?Q01C_/#]_5I#]_32WZ8O/IRQQ_\X,8)_'!^$^P?RGUY='0/_'/_Z.7! MT:N7)WN3X\.3E_O(+XZF M+K(WMX&?S5[O[^W]XQMZ],O/5B53. MP?S:$6&$/YB+:/G[K\7U-TZ:>-7?^1U] MLOM!+Q:?W\Q%<@<T+I,19%LI?'\/H-5+)> D^$Z@WT,OY8K>O@:&_QV40]VQP MM? IS+P[CY/6W>_3/&_QD9RKF0;A_5]7P5RFSCMYZUS&0TG,$X81%)OP/X!DOSC^>]7YV>_.F?O+S^\OSR]NGC_MKDKV'L[Y8&__O/GM_;M?=J[.+W]WSO_O'Q=7_^U>Y\^&WT_XO MXL/YY<_O+W_A5D['Z_>G_T?YX]W%U?.Z5^GEV^=L_/+]XN?+\Y.K\Z==5;R MKSS-@NF2N3V(?%@8L-XNL.@W%K>?))/85QJ8%J#]E\>+UJ^HQ6OFNIZ/DD962 M5[]>?%1T"UQ+GSI9#/XZ;MO7<^V_^=0X!_YP^.8993,)GJT\.-A[HRFR"08X MO16)[!P%6?UE9F$G'A%B_\W8F2R=CW*>26\&2B)9QO(@CAR'>&\E:& N4K'M*__>&RH: <^T#&5TGB^N,UR^V^R!0904+@2I^\P3;,9=0A@C;,U/E7YZ"/ U?_M>HKK7N<@-A-\ZIL?+YUSY\R<$",.[\Y!=96=^%Z^FNXUP!YQKGS(F)U)%4 M)B9AD.[TLRJG^/6[I^\21W6TS$89%(G#@!9D,9LTCBFP TG02V"2:A=!8R M2>,H=>)I?3^_%RO((=P&&$!YL"(CU=_;"W?;%8B.]>#Z'<=(L M[C[U9E_.>%(?<5)]V)_=YW#AK8>!HG ML Y/*GY?G4$&4M]83TRW?K_<[_KJ9<$$]@4V@.P>MFL/$/'=_JN:J:1OD@W M0_&O5KJ]=P7L&_/N_5^N<_7K^>4Y^%;GF]PAU]P-]9;$?$ZF<1C&MQB=P2.5 MT[GPXL@/\ (RDWWU[_/*-W.[TV7"MO953$'RT$9MD'Q###9V(19+'"%_T&)2WR2IYWG?!1$7I@C(SC]LWYYUDP 6%^_MNDG*.C-03UD\IE,7Q9D3PY%,;H-4@C"=DG[#0)X#, SWO1$\P(\,03(4;24)N M+D4$I$N=:.S#U(U1";>[-%"$"]\!";LLB0S MX##.9%285/%4&<#AV8S=*4V>4YI-_28^F*GSDA\K'<+#VCNTQ?(^_H(3Y%' MA0QQLKNOYX:+&^,X<#2B? #X!YPX^H=%YS3VP=]JB4$/,%5')>5=,LE=\HW:/-MA#]*H;8=(<%8YG&SB&9B2ER+,$^DG;L.K>S -BT,3FB)[H\2>!E*HIDC!<> MGLH@RY"_K59O4KIBBE\Z*3 ;/"U;,;BX%39/?RY6PR@]ZG<7]QO[75"+>IRB^#:5_ +97LR!K!D;E8(K%@ MV$D2?T+9F++[-B0P >[\0"G,2\,#7&7,>*3'J#?)F"O4C< 29$ M;;ZN.KNUU1:$S\0GR?0#!DOC2&##P-0/""(_CSD3@. <7#@OMJ2&%3ZVF.*E8[7!|@ MS?.(1QD8<0+"R-B#M^1>MHINH#C+411:U_&-3")^F7!NDR#++8,V7Y<1XO_'$ MJM%;'0"-%FQNX=($6("M&(3&1*7-[C^HO*9=@KOR(F\KRK/TK7SZYU-"V M>[M[>Q@YVI?A7OC?LZ0$OUAS#Y@,+?MHAG?E:A+=BF7[S=`";[7+'3C)W+XJQD-M? #!ED%A]$US4!@I,%,*PEDK,A*GRHXD))$AU,RS@F>;W=U8BRJ2ZUGAEM1? M3*\,4K FG*44"6*PCJTZ3CL@['XT)5J1F3D'+1"SSCU%$<5H+\[4^R;HZ M'[)? >6G;2OI@]H)$OF#M0A;-9A 0?],0!!J*RR""WU)0OC+R4)%FMU*V1NFT M=K&MUVW[$HR?)7&8/I=@=R>&6!4LN60R0\?BQS%U]]^WQJS?.VP SL9'/>O%/ M1K%6>\3O1[H6DM)U\7%?G0#]O9'[,D%Q>#DYP48I2FX*@]O0$;UG,'MH\D8#88WS)EX-&%W:V)EMVMB218@AUP-ZBXQM,\CZD[2K&@M497H"=3G_<_M],5% K:$2&3&YU M\R9X^F*/SH9%:\/04QA3(SXPGPM'Y*809 6QS[A-%)X4,*0;*+60O)&X-AV M&FO!8OPVQ9S@C.I'[O=41FUL%P_,@:]IU\CUF%&B%Y(XJM7M1RD"@DKV/D&+)BTJ! 6H* [5C%F MBOAYC2PIAB95F,XMIH']HF+%&%ASS.B:]L-BV(S_P."%&.R= (J[<_[P+@[$ MP7-+I2Q@L>]BM3)<@)4#BUD33*FZ^OH*ZP>VSL\(LW#,>6#07U\4,/DF80- MCK8L,/ GGW>6P5?5=%D9_QEB!5]EK$ Q![K#O\A()B+L04B@P*O6U)=.,%GS M/T6Z'M?23V+W0@PKJ)Q+ 6.VBDNT(9G+ 29H_'4*2P(Y?Z9PV/;&CD(X>- M63G0O9.WS[L"4B:T1#,Z&824E+>:-Q6375',/T"$2&(SS[ED96SI<$*Z=FI<- M K0,&,K]\T^0;BM8L7A2S2%6'P*X%HFG%1(+&%30LGH !-8NV8]B=FJ)=B>]+* ML8E;\3R,& [*_V8)>&O:Y?9_[DK)6X&]:62G:UM+=S!U8QOY8U,W#(8VYQW MR?L804&WF9@5],UMS$XZODV$4V<.\YBE1D_U%"F&&9:V^"FS=QF"*2],&VC2EEWV!32- +!ENB2G&22ZB&#;HDAY>G\QA/4,M-(U8=?@,\0$;=BQ>A=G*"&-S,M21;2+ M2+GF00(Q4,XS)NRKX?OF63W@<"E#*5+\+X%G*5I.0 %7%X^5&5;7\?.$7MXD M#] M\O%;,0@Z6>*P#-SV(NYB!;X4,&\8\6V0B@E"S:=C00'BA CH;$S"%\6IHVW)089<-M$1+9-<60>A]P*HI'>C-Q.,)\+'ILY(<5*H1,&5H2'E:L55 M]$W\&5JH2'E:L55 M>KCQJ?9F:! K4KMK;,IB(E_UT$ &W=+#4U=>U&>IX0/JE+4=*#[SQ?:KXYWF M\WFE'I3Y!?;,51]2.I:MK^ $5NI66$9[F"U#CU6FU)8A7A/;8';ZL'O4MAS4 MZ>XQOJ.?;J4??BN'/W'+O%*OE9GT-F8A6XC*.^ZZDR1>ROINW#M.S\>)-OWM M9V!$HL5XS&2_#L9V=9+60]W%935CMP)]DP)>2!!;A9_\++T\4R4U/G#>C6J1 M4A=_^"@Y$2A(5*@I*LZ3%B@QO>++?PQ^4."M'1P? X8W5@0G1C*7^Y,$PQUN?9;. M2[5DL]X[Z3:FYC6AA:,]D8_&Z-;?KLN'A;YKB<3ZJHJ,A>NH^]$;1[/+1$82!!2J M/7&B6M>!J99(S,W!K"AV9E.FW<'=YDYNV,WK@4!'+==,LZ,P1JSV!Q?#!2JM M8U%]BJ]'>41VF7F46/W+PG?P@L3+Y^@X>G@> IU-HFE4OJC0K*P:QD5LVL@J ME49=^6P0Y;J1NA9JK"ZX)2I-Y-^K+>D:1-TJS-0+:.0K2-](@_& MS71 X[P[_=U&/P%"(!+94\);QC@JNHJ27I#Y.(]/&\[]_K.,VX$2!:H8 KR 1 MI6F-+)/$^35_T;#U[$LI4NBM\RR2";@1M3G[QFH&@R3QAQZH\S[.AMVAW\UB MWKJ78%6)CC7Q W3V&KYQ%=H-!D-[1+;L:6=$*VPT*AV+[@JCA5P;3R;%BW9"9# MGPO9C3YV-F'*.,"EH#!N(A@[OL-R/+7 ,,U8754D=)6QB/74&*39@^F>06 M#*JT<1A]8ES&D=*HIG<,AI?-P.],(<^8+Y:03SQ**:U7LRAFQ:+H.,O!<2#:I MAQC3/6),AH*TG?X')+CZA8@^WC)$-+Q&U^?\+J)(1?-*5Z17G;_L3N,+G8=2 MO5)2)XW1*B(72'6 >7NG&D+'"4#@)2S2LGXXI@-M@8;>ZIT\L=?]=1G5;.M&JQB#$[(+2!.05G?=4.[9APL.F"OE.:TW)G&H%E')T=C!W.M<%/L4ZR/:1H] M#L8[?=_RDL[>1>N"?QZ8+G)5.0\58-1 MV6YVT)2:(-Q1XLPZ8 ;BB-5!S:'-+(:0.4@HT=+=)24@!0TP0(L]H_M2S]'#T?:))NN""^KCS#A'<>?\,.$6LW-R>8VTD[*B:TB+@,NGO2#U(,=AF6. MRX+,>V5':G60S6\%:9IS=%E#56#PKKK\JPO119 B,Z'1HA8C=(S-Q2C0LF-M"DH4P#'PC[-0MDR^],5#TE!+/"W"AOL18.,I*FA5,3)+"QANVU5YRM6O*OH+ MR<5&J5QCGHI5U4;>N1:2IM\2D=]9.G -@&'-<0?S[]Y^T<13(@G8/^H7%1< M'+:6TZ1[XE$>;HXMU'3\L4XCQ3XV;JRS<5&"HIS)2L5]I:N9[LC'D48\>7BW M7:/%GM'(R6P1P4X\&Y,ML]8$MI)=:5ZMKZZBH^G (!:3/4RRT*.:3LZ]2F*FFE3%_-M@M Y/U&D*E,8)B7\K8<'U@?X@3VS4M>,7-NCZUQ#X'DP)N-*.85CZ1+<&N5X M8PNT4K46MC#5;$:4)D 10)ER\SS@'X1'],.*E$AFUD!J%)Y6:=N5BZ6M!C M[TU#VKNZ7!: <#M0^TX1C[R W6#@8%V\D6C3'"%RA?AE)I9=,7A4G635S6[_M MZC4.!;R58-:Q%NQ%,.U[ZPS5J<3!RF=/=P\&4W"%^_),G-P76^;D%NR\!VK3 M=6\6>",*L^L&)E,A,=G.U'K#FAL-,>FFR^#<-3&"2?2I)J9($I-W4V'TZK M29FRF90O74Z3U-)K)-7P-K \=6WQ:*4(4J/6@:\D*DV-6B,&\5FUX+$)G\;< M&KDQL[]P84/H6+F>#-7^2@1),(#YI=0-4J5*-)E&=Z/3&^RG+H&\!+$50?(.5* M+0<7+.B6UFGPV1F]]*4]*M43UJD5600N;VMZ9Z25) %=E(!4RE7:$IF6-(/A M6E8,*WR95%W-B=RZO!7R9W1V6RD=WFI27F4'"4T45+,^E2V82 JTQL7QOW7N_MA./)E@G'=W&T:4\64W."-]8MAR M*L61;JR=[?4FDH0<)O#QIP5USZ;DW&RYP'/FF0B^BM!E5^$6QAO=SJ2.3&\?.M\P]I$XK,BI\UKD1\)DM. [\;Z;.V6O#2\0$QWHO&--FHN+4K!3K3WH]97%:IL MW--71)8);\;&.7PY@&T2"'7<@3]-NCU\A_XQV-Z6T1<.,NU4K.MH D94BU(! M-(]J=8K0[@>08@+2+=]YLVAEUYWAK7V)?: MURW9:UXET)O&6@+BDW<0@B2P%= M@JCXM=FN4/#FL"\)LBZAJO9>ZC^:.UVCC#&/F7%OXD WMN]H77328Y!89(!P2 MI=5$Z=%V)DK[!;.PD0J4L)QY]? KRXLHAM=C&AJ:0"47[8@L.RMI9Z-A_1R MZXP ;MV)NW%6H(L,1"_E?,@<[4WC$$O_VE3!WD#.H>$UDK5>O6%D0 M:3C?;*FUM8.'I61<)[*2K?#VYH"[/=H1S"U5P-2-D*RM LM2R:%I@Y?#YGBC M25&:2?.@HQ)5R5RU[LIG(GMC](2[%BOL]PKW#Y0I0TN3]$(*I(2L5(L)1=7 M$/PFO?>+]=+)2RBL30U3U,]M1AW;ZMBX4T:I-FE_6E(@>Z%NGBHMO<9N=%W'M0Y!1/ ^<_KB=Q>C@&$T5%*.KL.HI.[Y)@N%HJ,+"'-9W"ACR:WJ1E.68A2/MX7UL?=.,A3:Y550@U(RJE\!^L8#?F1ATB) BARZB^'(SY8W9)URS>1-D0-!TF87)AQ)W?853]=!0'C]-MC]\BU\&3M!R5)VT[F"IS[-66F6-7XC.:82D8*M1M;G>C");G4L*U;0TI-1?D M(6>B-QZ-JXH;FBDE,M*ZQL P6Y[#O@;1XB-*26*HG\PDS=+UW((A6%G!B]@4 M6]KHK4^AR-0W9H!BWF/;R:*O^K*8!9*4$Q7Z"UABD>)LL;Z'S/1&4309\O:Y M*>.!,H5 5]+R[17*8EVT%(GH*0EIM=U)H=1!}>T6HT2P/7@G*D[98MM0G.3 M7>Z"\XKJ[CI-F-KB2K@BWTC)12%IP%]+=E5L]WC!A/5@R"2PV+1R43[_CG_F M&T++1[:D@*9H9F%:-ZI:[8M%]30.Q#+E1#(.VIL34W,(X::RMF(50(5B:\'/I MVMLEC4:,%# ,UC8(FP/A%3V;OWGJCX5"-9G)A Z8915<:.$VOM.$[]]6PB?1S M3]:0D"TOY9K!2KQP5$&H@:?F4=!FK,,I2;Q(L.F-,3BX4.%4KW 9>8?.#7XC M((D46:!YHT"TJP1QXQ&=&M9X(4&]-G:9=9OR?50OT*_>><2W(G$Y)+S227? M&++(GO:.G;IW"HV7_E7 TYFK. 3YC=*U+=#P1$>88?!CG7;JB8ZC86L M4IV7:R ?RGO^*OC.@@*9OI%5OX,_<"],'E%-;]D%RJCX,P$<^K9VHPF2ZY;.MAL>I.64S961Z7832Q)5SNK\9;RAPJS;$-.4 Y]5V'U.)%>.A2R -TM78G3(D M,P&SD7S.B%18- +@&GR0&YK9N?=7NX,49:K M.^&SL)&W),!@L 7;@Q\)+F"#5N6ZZJ.\/>VDNUO-@$J,5Z;'$+J&2MAH(OF2] MWGZXKD#6+M-2318KE3VL\BE0+0526Q&0&21YIQ2Y<:E8$T)?!Y*WW'V(KCSC%ZTE.W33G.V.-M+K-^!Z,T"H9HMW0$MWA%VU7=,&] ?8TMUAL!@L>M8A)@D!-+"'*P6E M4R7BMU)757I8;B]INV-.)SN-"^:J^.,]AZ]JWSJAV;]^49Z,.MRTXTR^C")SK MJ7NGRV$9+EKM-D,_EVUW+/6IPZ4M=[L3:D73&Q4[']JE0UG\700(:(/ M)=F\O[]E7N-'3&HHZ/^F16#CSJA@8ZH6^,R_U$Q-A16,5UFZC<700@>7*0+,\ MDA&(2$*C;(J2VQ4QPZ)G,4$O^?!,#D7V"5ISZCXED(,-BJY3;:COGE$6.-MJ 0'S@,6N3>Z%4B)X" (4$,V5XVE%&R(JV8$/L;V1:@_R_5GRN_!D!}>/8%V M2'76?^PEB4Q1:CHHT(4+@2I%[2J-RLZ<+S2'/?9P'?W#[;L"/A4L#O)75\W M#A3H8'OB4SR/+IZ B9HWU^A1AY0*>+=*"N?*

*9$D9O!>Y1#J+6NQ34-6:!4D+. M89 Y3A0LCXI,4FS=0!4T9AT,SR(,X$2IC(6M Z0**UCST+1 ID,:M)4JQ4EK MVF+,:|A @=HRV_9ENDX59$:=9@LSAVB>IWB)'(92DMS+!L2&':,]HWON&2"= M+N!LQU.P8^5;^&'.$TR"4+;V/C>LU4" P;EL7Y.E&SVH@ MD=9P5V6|K]\Z$YN4>#9&|K9=/8Y!M8WK91,M1C8F*QV+?]V7,E;,-2>RWOK'.M>@!UT5G6!GYHO7?9O'"Y/>6,QD.<+[!8&TRJ"R2;":,0&V@4V!L&]B[W/I9,*E*.MI*- NE59F#CXD,0€'"W;IM"'G;__@SL*KH*X\U%/-=!U8APE6VC,A+7C1BM-M:S#.+_)L%B=D]|.T-2FF/2B.O:1QHH0Y=4H!8:HQ"BN&*36 4GWZJ.U!FR^MEF(4V&WK97H>98C)*2X? V;BX;;D!)KZ6!62IY*51T1-MF$R4G4&'9>Q6"M$HD,(DJ0]PB7|"-S&R)/\6SD3KGF82Q6Z*;7= MG:?W?.(@V]8-Z0)E[ )]_YY47-65"2D-G^0]CF_"/R@WP.%[$R'2[IG9?3MM-M!*!- P]<$=*$G9/[!%]*X8RFXQ3N7/1A&8^V;K-MCIH(-[+!*Z?3Y')1MZQAR-HM5?7%OXI:C9*?)),B2?AR<[LB@<3N5]X\&GBIK-M+8>K !:WA3W^,5--]LZ =>* 18%P1G-BV$|6_;LJHM!,/- W!,%OIA8_5R18E-MN4R;WWK)U/Z+3E_R*(;:#&8T2+G#-/* $/04*T8_Z<]:;JH;2L,5 TMP*;3]=1[%,5R5.DC60&>L4+6)4R:]2)N"]F*5_(]!_%C:,3T*T=M>MUH&N< M^O*0B,O*GDLTYV#;;AG.0&I.A/?) ^1"'@;=A8sH9 M.F]VO:\PNPV4#HY#G"'^X2:&;&G5V7V**0%HN .2I1W!-$65!M6=,N!_U);WEN) M C_E,K"RUZ$1.*Ix_>Sj8D%U$0TU? L'TE\+85ZZ&+,K;$FG4VH%2FLK S BK M#G(}I3E_RT4##"R/:99@O&5+W=F_6896#EV[$8,K-HOO$64$J3E#AF0S6=0V-M>]HTCC+EMO9U8TLJ0"-QBE0#]K!99%32BF?2+; <&5'KABD26A7FS69FSZ9;FF59I9YQBRNB2]B7RY7:^EV$NHP3H%*D"JU=+K-V M'VW*9@ M:8W|K_C,DB_Y4N+GQ'IP:J?&58&%HCM/V:.FK**_<[2N9WW!5F_>E|Z%C^>_ M7YV? _>] MMRF3YY_O+QQT4B/8EGD(51B0'ZPC>'!F9&7WI|8SS:Y!=,1&GOOGQ /,L MF 29<[!1|"|8VW0V!?'V$1[,VQ.O9R9N.$M U+?!*&)ADM|TE'-*)9NB'!) M'Z7M? LJ8W021PP$6Y*_"P,5P.#\EV4,!|.&+I?Y=+$ %>:2M+!++# 8.+'D,+ M-1H9LYTI38,4!FGGT<6%EXP$8^?4PFAV6K;%"",Z> M^O!KD&; AS W [*/D@/V;1U9XXS@JUV$= (E78!C"'^&.C|HD#73>&OD"8Y 6L* MB'(7*VO#5FV.Q?5E9$F.(7C8-JVW#)3?(&46.?W&() M@[A6M\[W)# H(*F&#Y)P KSY6=X8+X 6 35KDT"#^-\8-$ MH.#4>@@K/|.E,SK<&\/ 42]|',-K]!BQNEBF(KU5M#2Z3 $":,@XXZDB^H#1 M$2G2/"EBH:Q(?U9O5"<,G]>R&(>H,3?3Z4:$.3\9H+R/P-Q$XC)=?138P23G M<\BV"*<85-?G'?TEF!Z8 +'G@4A3^'F"+R&BF(O')2RT:R/TLDV2(P=B(# M|:.BP05]L QY ;W@X49M%)%9!']N6ZLT"98W<$Y-*4QT>]HW^XrYL8S:,L&Z MW@@12R"QE@#*9$

*E#LF:.U&)2UD/CF=0M-T#(/M9I 77;&)%?VT\5%3QSE!63@K|Q'D=O'C2D M,H+M,TT(S=9U,_ MQ1&Q|82G|ZH$$#F=WMMGCM%+KG1@6:W:RH4Y]BVQ?!Z7"'#FVR'@Q M01[X]_F,#7 ID?U$5A=HF1_O\|LW|(?C|BCWS"? MIMDM+#'K#V0SS_+P^6_0P%E0F;E2D9BCRZHC:O1:+5$S1X"5(FJ&:,(!YSLS|#Y@B_JXWM2<? L*H%Z=QNODB/P64B\0XH7W;3'313I_H MHLCUXB;*DEXYZS2*7" *H43=*R')3)'KQ5&4[ORBD*=3/?JQ4* M!$GYFE?*G%5>C$?(V?BOR 7D\V_TA -<#LU=NB:%J/<@- M1F:O_,3'+&UQZ6+#]+\@W;2@6>NC_X"?>O9M)_6;\JZ(-%P163ZNN&3BWU+ML,PLO\&EG*,GRBP1\IZ41-18$A(QGZ*B>2K)>G|?`>X6EOYHVOIN$KZZ.Q6"6 ME^%8.A&6\K-+S')*$N%82D#N:SE12YKS#)F"'BG,&(;6,IDQ#3F:#X]P$?7 M?'K'Y%2WZ^=UT6Y<>7OQJC/6S%)Q7&|/,V$H35EJDGS %:IQFP3!K/\(0?> MB2:,52QE,V+,$9[,31CYC35S+&;ZL;ZS<5Z:E#^A5M&U((TYSK-&F&!V(ODW M@UN6]T]^6AICK '",UAR4)V.J M59(Q+5C|N3JN0:221.C)O(:"%+/-' N8T@A.88ZLSFA7G2S: <H"4|&2D$H:MV8GCE9CC^S@D5XT[\NBW)01?ES.:,,YZ1,H=~^+|<9GM NO<|SET0=[GO|%~*F6\5K%ZP'BMWIK->#%'UAY!C:'-8?U M;,|<;<6L.5*!Q! MUJ7SC.&C_X M$T_NJ6@YYC-BOI(I>@W6W0[*Q1._GYD2%64!GR\AG"\2T+>L M=_8&T.%BSP^GE97&K-|&]DD D*;KM]=412]YTL)5I&05"?,0ST9)*KEBQ96D M9"49F;_GHR+,K?WQN)!]Y:L]V)E;5>3<* = |06#O,>*R2U[>8SI66L">RN] M.>]]ST5!:D#N'S?"-NFX]XZ/O:N @SRZ!8];7|<<4Y5(OO,L>%",\\R%5DS2O8P-)[M>04;MV;**^@SQWL7:B,X5"L,5>:8= [5;% MY PL!f"J2LQQ\]S=V^7<++T[S MS.+NJ5+AC/E1L$^6I+@Q$-E@7SC'6Z*0"V<9C^A;/ER$*C"B6+_#6AD,P3,TE0<&NO'A?830R.?DT55F=-"58"& M7 8TF,NZ?"_I@TIHD?%|SB+RAK9QZ|C?O2O'L1#K?=6+G\OS.8I9E9G+3$R2_,@YW7N=>JS%RKI'G@M+E1#0+ M?5O*Z V!<'"TJ+",#?#IM2*4!*,B'Q M'4-==P-L) |%$K_[<@KP+YW9'*Z%9"(1/>&D[27K5K< M8(RFR,7DM%SC'KV1^\A:T;WC^2[VP9,BWWS&-IZ8/H"*\'YWDYTO6@T-MB_? MPF|!\<=R[R<34L4M>60[O 9-\,]T/2/G/2YB>80J%{[#[O)'S=F?C M1_@YV8YKVE1\? 1=&2EHS%):B:5 "&X7Z?Z*&*HS_,Q2.TPJ 0N+0!JS= A; M&L.$K)CE#IA4KX))\+(W9,)XMC2EJ^)D-I6]LW9GAD0_Z37ZY(WMY34#%VZ@R MMK)KS(;<,(E';4IMF$62B$Z=/ITA\|?&R?/<MPMX#.3DIP+<'-^\<;$*0P9=|%. ^<4E4OSOB6H|5C.TUOR;/Z*3L M9FD0CE-6<5K&=-.=FEB_B.-V=FE8_C+*[[P4JH| M5<;1RC9:2[&MS)*%54/K4-?)_D K(|-9S2V,1_)R-V =:@RRZARJ+(*U10_MP,8*9S:H,LL^KZX3S&L:;3%+A5?-TN8<;7'8O@M;9I<(&)=720NB'4Z5 M!F$PD^0R_J&2]W.<] [G%3F!J9JF*TTB5SB M;%!*O,M)8VY@JH;92I/$)>B9Z{!I M\ +|\I'{)LC65XY8].O?VF:,B.3Q9A&=)OD>?,=:1PY-%>);D>_6985DY/%F$ M9TF^9Y\Y5C4!/&\=UY\.9]|/:7%\UMOY9(I&Y?AD$!IE>9_;\<8O,.Q<IB95<:F((/|^?J8E,;=*5*UTP.,16TWW3Y.6B2!A@&'9*],DYE92. M=I:86]K@@&';AZG<6@-)WIRZK< ML@.':ME0+2Q6; 3)06"'"LD+K<&3K-B)LF#) M) (_[/BRC+^L9"'"L,DIAY"(3;B2K#LH(\YFGL1$F!H%)|'1/;B=KS$TH%>0Q3^9/E!((5I#'Y':B_OP$/7%<5^02PZ&!CA4N8KW>A&8@N":?,@L=7CI, VLR0C)GCJBIB2N7<), L+ <.TEIW$E.8F9(U9 M-H5I(9_"E.8G8V8YD,_(0A-JC]88^U),.I; WWG3I%[&;@N/'CH>=CW\A+L M;]AX,NVG*^R93 ,:-|<7L#'THGN70,RK&>^#/+|K!L3I8L|_@-:,7M"\,1X MQBR? PI")/+RLWG,Y;)QY*5"'"DSG&-IR :|/D?V$*T=$:,SE[G$ 5&@ &^5E M9KQ6N@*0(>/#+ O*95^XWC-+CB:4 ;UCZU43?+=[OP,#[.L+0' M"\8 AFR0O4A|\- _G9*W6O&^-'QD?6 _<"UB|&_+&S4[3#+WC(J1()W M/'XT7R|@UG<'5|=>^.<4(X,VWC"?!S_#/U1VIMY3..H8&/4UD,E2=RP96.WV MY*ZN:.;[')O]+B-GE;SS_S0(9SDK[.848>^I?*-VY_^G%-/SIA2Q)_V^#WC?X MV9LC>_#SV/T(OPX_AP_9>A1L%,&S?!CS[-D N&KCEV?.^*97,2A,<_8|&U^.!DR= M^PWZ&^@(&9E? &FICHZ]1Z^6Y+WB.91K"WZAR2)^BZ[XSWW%QC@QR#N*%), "U-MQ?L_TG%).("D/?%U:)[C7L0/GP"TFA,T.ZVWB[_@IYYPBU^$1Z<&;+_+GK(-M]HH>@'$2WNB9? ^$+N0>C3_]\"7O>A>=0444C(2L$+|]O;QZOKX31X_#Q>B2L MHX?!YHZN+[_W#$5>0%N\MU?"|?|<_C:_?5:N+S[|NUF-+]YMTVQ*TJB+OR. MO"D Q7=L4;AJ7;8$16IK_;C9^;9(VFB1MK-%_^=O. M3B=14C^@0>>0"=PPD*7FO^@\LWS*H$QE+E"@.3=U4TJ[6_KA&W),,"'KV H6^4?1P%CD?TM%< MC(W@TL$1YH'K!1"Q"KXCC+!.0NMPAI)5P7$%N?W!^$EP)@*$^.1ZX-*X7H@7 MG(2A[I/+&&WKF+\[R^_$VXO\NXWY3HW+FZ:TFIWWF>[$S>]TY+[RA'$.?$*]C+G6^1WOK<= [X*& MP^%TW10Q5/ZH*&]N[%UQP7GBBXPCWR(URZ=P;=MTOPB+?=48_<,7>=9_*<- M9137;0RNL{5>D(N+]TA#$4"DCYIO70&K6$ZJG<J)^O#W=QS1--]69#Q.\@8]-XB*D#L^@UE_#Q MSGUT7A83EBQ!\(?`4S,MR\GM/@=W&+GW,#^"KB>?/F69M,8RX7;,1+DUY]Z!`MIUG_GSD/Y_+H70K89U62E6:OVY<8BDV3+6=^B/&<XI>Y"Z-LSI$EX%>L!R0+ M"+X&1<2>*$"W!=+O].%+131O&:G^G[_U%+G[R1-\;.'YU+&Q8-,I68103K<" M8E|%<,V00&C."^%#VT4X6>^T-23_HGL@CRSQ2"FM M?N?]59DZ>=2/IF]1F@HC? 2KH%O*\%,YDZ@:@&B/A(FK"1V^5L6-]\#*&"]Z'L M8/>,@X7;B&:E^,7O&A1$"'']3$[Y93@<5#(ISIQ:B>?)-5L941-]0#MP&YP*QTXL : LJ3'VYGP3R)*9=*8J&5MPC[T&H/_8&_3!NS/#DD(MN=_A363.O8Q@>RUD)T32MV\/PZW#P*'0E_=J9RF(RH"VS$S?!R6C.Y3KV&2J MMMX$#-/VFT WT".=0C@3DU]$POQ@)\'"^3_1\U' MX0.9S^XG!4+VZ 9_;M*.BCG)]"C.EH3M75@'[/V4F^ZOC!<9KL@4+'2_SW6? MZSX3N@_JA@0+VIHX%I.N@^R[9*D_5P24SZ\YO!0!M<|<%,P8F]AQE,>*,H. MQN!-)&X$/ RF73)*3\!3Z[SXT_AR"IP*3%MFX(EITZ1-NG3IV->RAM#8^>7^_M9137;0RNL{5>D(N+]TA#$4"DCYIO70&K6$ZJG<J)^O#W|9N%P44V^\@/O.<^5UE5W!Z64*<'./PK0.0L!NM- M" |_(:>Y?0$'B^[!A7=.I.N%%6OHTX7+E?.^X6FB@#P!S><6&$=00E$ PTO: M3C?3TS*57C#V3,-$KHF|EO!X^)TS]$9[CZ")]/W8UC%M ^.E7U*WE ;$N.C"I M^A)2U>2NY3=C,#DVK1P$WX>GF-."TK0I(\?"T(2PR(_]C&V3O$C<>B+YD]9^ M\,+F1"=2)!K U>-J++>?) >'!W2^.^X, ^.VS2L^D%R!*BI;MP"QD!&%,,7%IT MB*05DZ[##-? 5/I'20X74$^TV(G%C_%*=YA1HC5-M:4]VIN+QU%C#X>SS^>W4 M*BB"]\^$@]&=:]WY*M$"7,C%M"Z4;D+?1$Y%&^.+O"/$75@$"73A[VL@>)^]:OH(,_M|*F)2 AE#? H]M2<4V#2HR+@+8[KT1TYY$]O3I3?I?? FP)0PC>1#M_J2]|.M!TN:[#7..XN<%(4I^L@+TX?7ZO0E0-IGCNMOHUO$Q.4$'N53UP1Z\P,?F5\]?V M08O04@&0N44 &$[EO*SL>CQ\5=L8@@8F/S#M,6I-H9*QH9+S%4#0HQ*B5Q<(,_M U#AL!$P9A M>1):OQW.8C.J^F @$"GK!C<2Y='#XX! GT&T?HA_40 --V?PAE %H0%_A_7= MX&^Z"X3\TEEL+*.%Z@+/=T$3EM7B!A'FDA|&5%2@\X_[G)OVNCRK(LL$UP M^\&HSY>] T>-V3,ODX'OB,8"]0:%L/*).$U,' MKP*#BP(MB)X%4R/!0S0L9+3!M)%1OS! MP!]8+SK1K/R02KI!Y-81^5C27KN(PZU"6G@F:#,X!- 7 $B*?^%S@V4"(M(NS7]7=A8]K/CO6,A1^V\Q(*/+##SZ[I19--)SRV2H",RRX#8 MB" <3(YA*X)D^'$!CF!.8;PEV,"EX1UPOUYG!0QP/QRJ$C99P[Y"9DZ!H$B8P M'7S/H8=`1F3_Ns1>&@Z=@]@9L&"8?2JBBU7?\^]$R4V+Y$G B\/ZD,OID%9Y MQ,)"?*3VH(^?R'-9 5$>,7+O85P0>77H(5 =3<176)OUZJ%4RM*@ADMYP8.?V+TOP1 M>=$2[@(W02=F=,Z8@M]2GE6_8IY#EYW5],[J^@FI-(N/LBW-U?A_UCOS\?(SG!/, @M@RP)A4[XXE@*X]ZBGICO!7C*@&(D^VVEM.B5.71&3CQ IR#EA0Z^&GJ!6MJ-MJ]-6\JF7KK3D3CN7L^JE5EOI\4.=OE&G+'=?_C&B>P|%[^J4ZCHY?1JRY>1 MPIP'%V/A&]PW]81KPE]F/?:PH@,Q,E_W#\/9H'CK#*+WSQBJA&3_$5AO0DSA MY]7S_WLT.C9ZJD1'3\Uj&VH[0!Q>NF.K[WB,?',S;/ M<I=U17SW\PFA^<4#62D*\!? 7F5U&60.'I7_O"@>]bJ!H3#*X8D M CVTO'"[9.#Z[M2*K M.S*8=Y-?:.%YER1Y%BR'0> I\M3;#[?<,9V63R%_7_T^K4H MC8$L=<6.G-G!W(W>PB:OC=?M9-,XW@Y$,*?'6QOPIG1%J9O9A'.\,8BW Z[Z MZ?'6(3R6+/8TC>.MAG@[X).>'F[=P)O6%WM2GQ&!G<<:RZK(Z*X0/=IKLM@,M^);!-]TQ)#74I6-\4V_D6)GTI0?Z(BK=S-JR&[5E4" <<49F|S\R(ZI.(1FQW M50ZI&D+]& VA4[N9%R"M5Q0|1?GU:[&G$\^](MFL2QQ[&7,0)(B[TV8*\KBXK:91Y[=:.-=V]-^-5U/%K(;6+ZV?GALU6@ TXK M'>5[.LAI-:9#O-2V]'4R6^M4.JH ^W.Y0#0@168 6Y>_31*[N;$R'&Q5!|L!-MMS0#V.C"%U@VB1P?Q.'&P?;8#\1 MCX\IRIVNNQ/HW7+FMWM>-ZMU12U.9UR M&_L7B<^$RQ 2'-IX? %1\R5M6=LOJ%K'MMJ>CL#2W'*#QA&U3("LT7K:)IS$S; MI$<:F,^89_MDB]FBAU4HY#[7!8:IBM\??>H{J0.163&0 MD%@2?;'-,\AJ":D#\5S5]3Q,#E,!=3E:CG41^]* MUAAHDBCU^):=.B+I8%&5')'4)AO&14W-G O.D<0@D@[6!+G5YF MEY CB4$D'2QMD2.2NHU!'X(+E979[3QXPQO;1^#ND=KK;"5OG].$V?R^U3T0 M=Y/E(.B+^28[*WTDV7/7E[%'S4&ZY&IV.#*Z;V&VSLK/%^Z/&VSLK/%^Z/&VSLK/%^Z/

*M\;?,X,10JH.K]=FI=:)DM=1JK5*U[JIB=|=A-URM2Z@O4B8@OYIH;%JF;Y(R MW[8AD*5V_TWX<(4GIF[Z6S78TPS#BFOV%&,ON\!:RM,5Q^5\OW2>M01$1GS) MLE,BB\IZ9)] [690%FJ,W4L4B2W#&F#.1T]D?+/H+IRN5>Y 396O1>^ MN)MAHB"#N1(:*L/9^^SUA/[V8ECOJ3+((X.6]:<<$2V/'<5498J4GF4^?H6 MS#>PKIO<Y0AW:&UMWD')BZ4VWE5GBWXJ,L:$Z&K^\8Y&5IU,G1M#U1.DV_-K5W:C6@KYF|K%|'$?,5& M\R_L.CNLGB*15;^>(BN?&,%+>&I:F3O1- H&T#1BV,\O1*N__7)EXS-;.>8;YHX/CB!<7R$8;R"43P^&5.A>5ER7Q%[:H$$ZKG3+,I$/CMH4 M1_T=QT"5ZK+&[XF'4 MA:XXI\$()Y(X)836&2LCT\^9S4R? E%,*4SZ)=D#[ML:V3)- /MXZ/!5G9,/X]^Q&ZJ6W]JV=>V*;U2|-WR6&%R<<+CM!#CI<[<)2 M_3JA6,L^_#>U=|\^ZBYUSE&5+Y$K1]V#OZCZEC&=CU*-G6_42K79(D;R-* M\A;X2=E'KU"P5]^4& B'O!0$+|Y?Q?,>NZ,I*[M\9N0/24NSU'O?%NYMCE9,<_J-@=22MIVS[7]H<^0*S^1QHK"W M QYYC9>E[,2AWC#PIXX+\C:2^9O+#JG2.^, IWDI))VY:;06:ULB^PGWI"G<M\/:PS0):O(#$PW_C><$1?5,.:@U\/;,N:V-YQ?I-@TJ=2?ZOP'MP%ON?#F\ 6 MI>Z&2A.I9:DGRCL2(.1G^>BC^I(.;4=*@^2G0O? 4CBAKV^5DLD@C=0^R2 /B MQXXF:G3);[.V\(5>ED5LMX_.@6]022M"C(Y*WXKMU0Y1>$[UQ$=!PBB).CH M$@/$"CK.O.#_HXN1%[AOL4N,?!@%S_?EXA? 1*$1H21Z4DK#WR/UST6UW0$U M:?LHU(5?5,#\E5\?^K0/7442E=X.5R)L'Z_|_R'/B6N'I"(3E8ZYUB12L+(G M=N3M)9"M/>%\|:-2$#HPN^4& (8CVVNV.V.MM%]X_.83.)E=G".TE0XPL@9PF MVS1M04=STT?'%8L^#W_OT'ZXQ9C>PY#>V)?A@*ZX@:EU@[%$)PJWFU1:V|[BY6..=BWN_81_ E.26,KJ:<5P)/1N_5@_;# MITT%BW=GH8>74"!#@BA=4=E:!W^MMJHVK*VIT-5NS%05 AR M^]NK&=S'+;#8P^)N1B+|WMZ95S1%H]Q;9G/F/#&R;&'>.Y.M3A MUHVO,-ZWV+^,/*+7U!K4 0T2NVH6_>$N.(L 2V]5BP98EP"LW]IF($\.L#.K M>>#MR#S*P4>NV?'EQ5CMU:ROL*1G.KTA2Q";+&K]|KD![)5T;)HHOY^1-GS7^-MDAKU'/!'SFZ1NH"_- *V4U0)9B+#EI]27Z4Z$T2Y7,>R2#:5"7KF8N_,Z*,\ M:?IOINVX8&ENHI%,48F@S2L1U!HY!_CX;>1L(T0FA|VRVVNX<]O;,21Z11D6-> M.&8+CS1.@EDUC$[;QYOKD3"\O1*N__7)EXS_MPH>KZR\WES>/QP:,X3 M.A_D7(JCRG|&+%9Q1_#ME)28&@;V1F2ME:/]HR MAQ2H>D#E9 ,Q>UZG [*A$VAKM=ZG?&6QI6- L?,D/MDVO35&\D6 M.B9>:=[@E*5XH.D3+TC&H:F_/_0*];"F6$ Z2;%_]ANA*FW')YM/7/C:IKSE MDTO3C5U?<":"A4>#NE,:)G!,3!09NDG7"^$+ M6M>BM;X/9&70HH9I2JO;ANI,'8\F4EZXV$)D"\FG%]/PH&BK?PP@H"T_D: M0R,"?_]/3BB1=|>_L[$K9N5?TEJBN:,>4S#J&!CU-.S)4GAS^,+!8JYN@)-\KRI_$RIO'N[O'H:/-W>W-" 9?2\\NKFZ&3V AE+WQ%R>5T0O_IV$]- M'!LS$,

MH(^#MX&5L#CCV6B#L3W%/7)\C$4H&2;FGS@PO)G*>YA,0&A=7DX@>O'<|\^ W-M)!=[P K;KZ+H3=$5YH 5 "0,!GB>%/XE%JP@-/4_Y/@"55 MH6UU3"4A.=4 MZ3+RAB,85L(ZV;#VYG0**&&%BQC2)^9_;(%5O.M|;/G(&Q@63 \!=3$:VQW MY)OH3-$WRXP!*"KA,2A)Z5AL8 \((402X;6E#(R=G.M\M5&SXP5S4@T@K$H M^ZNQL*4)X26;JfY{|@F(8@ C3"=R0EKU#V$UB.?942F .AH\DOS)#UG"? \?M4&"/*!2D#V+Z\?T.8%)Z!L*|@+%=Z7^ ,4S_@PDGCXK|O^"+$$7(*W$) ^)4@ M!NE!{NS|, (IK$"^,+/Y/#!Y!0C2?{ R^!K$X.O)'"D|H!+)=T20<;X!!7 (N-M/?*:YX+QU$/[/ X>$;QMYD0_*AS^(3IO/%^?9$6I 4(^D+TK-.Y#4EMJA8X,/ M;8F8P*U\/.1*CVA!BT;/85X<;Z:^P&? AA]9*\UHG3A/_O!M,%JG#J& G:-) M'3ES+@2S4W@%[L;B181BW(QSWUCH9B8 J'] KV-E<^F]NPMV%[UF;+Z!6"## M!05&IJ,/]DCPJ;Y%+2UJOR7,#+!\X\%5 ,4XFVFR4ISS?G? II^B_@;;8;]?7 M/\ 6,Q-)$ #BN3@R S:3A!*;S7 &YXMFT;4+8LF1GJ@,0!=^\;-14E]7 V=F MRJ5E&\@G>|:792S4].HR8 B+QMS#&I R#;&-US,U"U@P;U;2D)H ?IRT 48 MR%*""\%HTWB>NR\IA2@WY0N='8F M;>KGD!#5.C48UKZ8DA62&;_S6[;&;=\?DAB.I=7T%X(<87? MK N5K&7:1++\'Y"%T!PR&C!$D5E F*E4- %Z8B M!0U#ON*;E]W#WH+\%TNMI4)AV7!\\D;\9&%FAW A;,I%=0(S\1H_6' KCHM1+F2Q J ;(?BJ!F5:?.R+AP=NN!T*8XC!+(/A$59B M-,C,HD7N'J# ^IB*#@,LQLT_HH)_2\ROKI:A\P1- Y!WU(XW64CJ'O4=,+R,#C M$XS3$E7N+V -_!?A>H?&G-Y%IU%K36,[.+ESV#.T!%VXC MF0/"8E$B,,;]&=:U;&8>YR!3N=606.JO(K04?)&=BBGI(O-#RM3&<,_HRD, M4MJE>U!P'6LY/C.=X=6AYV.ZT5S,%1;+RQO!O,.-SU[J_fZVM2NA_DK3]=]L M, K!"?]HFXXO.1"8$[RC5C"S(\PY%(.F!)\ZWE)'S\^47CW&N0 QWY7Y9A25 M)^!%4\...:3E8L+]G"BYE Y-S[6#$!1+\E+.;.) LXR2 C8fCI$9 9\E[LJ?4\L M>O)F.A&=$L5SKXV^*N<0_9Q=X G6VCZG 4Q ,/3I27.'RIQF?7<@>65L8,9K6;,BS)'P0=*^>9|%(C2@H1}$< M-*.]:F/H- _Z"S7@\E4{$UJNA*3EI:8S+XTPB7#P,A(&O^#>'(0T&_L1#$K'< MG1=V%,3\A$AJ@R')SXT7D"7M)0F$[,$\G9UGW'(/+ ?]<,EP*8D]58$*MUG M2$Y5X3LFL(26].[Y?\)PAZ0II9(W1]8?A#P!;G;&<6T.)IH6#B4]T.GJ?3Z M\$E35&US(BPW\BF@$JPRJD@TXK\+J8;$>;"PM/"#_@$,.&.Y^Q@NAR'JMBY M!?>2_\E03N- 7LN205Y.>3,$IL0SJM%C:C;BXK&1DS#0"RV%RZ>V'V3@L,9*/36;K2^7BIG%O-"#05+N$& MZHSJ3NS=.;3X7&^Q;DP-,_CRD?HKX_YT6FHU=QG7FB C#\A-MZU9* (R+9f95OZB*EQRX0"V;-M9!$L"H5$.?,04)PXEB0(_"-(+0?<R^P8HK+ M>L!E2EONZ3N'(4S*G(?OQ)45S.7+SOTJLF.\XI=$%H0E8+&"PNIY661X M!\\N7+(@=M8%R8E8QO&7Y- ;+:4BMJ[PO_:CA,7R5%%"+%'"E9(0;IM:$N^^TV+:R".I6"7;4J4O"<=IQ@[7QLKI0J]"YVG(Z?XI'+9+A0 MJ6*QE6'&CK(C@/;&[LB$:M1;/N54T58#Q!,!XLU64?DE)30%+V MVK^^^PDZL7VU6Q+,KG;)F=C_Q\F$V07%U$8?&&SW*AG'"ZT@'@HBBS#8Q9R M6J.O=40 Y!0!=Z3DF%T$8!M+LX"541$\GE/0@R7(.)[{>HE-#D?PHW)&1K+W MG? IMJ{(S6@>DOBKW1%9D;4!9"D, LXK2\H 6 M28EP[(&T;,G=WLYEDD7>HS"\K+-LX6J>Y$.)59>^2BEN%Y]4J-OD3DCN'MM-)(X6(IFHU=QE3@W53,<^.9IYSW:4DLP2>AR4)C D M.2;;])'UXWLGC, [%L)*!X;BE6U.K9&G|("<=B6VR?9++[J9L4CS=^;5=V@ MRRP< 4K8%W-F.UVGPIRE-/H[5>ZIRU)PA0|99S#FV!D,C<$D')9L6U#\,2AR M7!8&(|8HE5NMJCB/ HMUM31*$(P:",8>",.R=]Q$)&-S6/V8/X@P?PY!Q#8J M87O$;_0#5PBNN(O7IS"GM1M]U9!;>K0#L 4+FK9FN4B]A' MY:!958ND/#1V 8U=N=W)PE'$0O:_Q;)P@E{$0BIAC"3KDC+Y7\;F6^RP

Q9_&'4!L@8:+TV>3[^Z\-%F6,#O/GZ<;?.F5STN%-O1 M+|6J[,72)U[9(6!BN';=F&%FH>2@$[H"0Y#X>!6&46;@1W;3GF+Y E(>=[E MZK!O)SR.MQO|!$wW(,IY\CM2C$]E*^:(Y&LY61I$X;S\Q6R&">J-.+5A.O6] MGS29(:VSK"C6/#9FOOP5@0D-@BH8>W|(S K7#.&%3>D9DTERDT|RJT+ Z(=. M9)$KEBZ!U]$/F\X K^;IYG@)"LJ)YY(/"=;F3P(V/J&2!V2F"W_!CC< 3H; MOAB"Q8[JS4L97C&V-A,I^8'7BC'03>)_)P2-R!!LV4^('GNJ#(AUY ,X.1 M>7,Z,34+IN,7E\@G,Y[SAN-V/$!?<0+TNH,_?/"1/D]HDH?QDJUA"'#CV"I MTB2K%,27RPR2,)$T/ ;$!!.K|9<;$U1,.C2@)<'FH,/4 M'AT.&S+\J?, "POY:/[^-0-P&-L&L#H!^<0 .7"[L,I&:&3K$((BHEN.G:[TCDR MLV'RQ0$BC&B"4FP6(4Q@0:+<&9HDH?QDf

MA%Q!FEQ\8GIQ)W(}7&Y$DDUDZ]PQLXBC*C'(":YS\>EAB M"=LG KG^[#JX=\0@+{1_L,:@*.W*?\:QQ\'V8Y1G@VV@-9(H7HUO)1$7.NP.

*M[^/5)#9;,.UA87/!;1/5N*F=1X2C"C6M$IQ@[BP^P1B9;$X7?7>GK"%Q;YC-B,5G":O\1IM*P_ M(+1(D[.\XM/[E7 @$[VE="<8)GMQW*G'[,3^^ZW;&5!, MGIQ2TC2<\D&RB; K#KJM4NI8:(N#UJW/(T9)MPLPL7QGF.4^"3G.38QO5!" M@?0C_LZU\"8V%'TE*EV.M8=).0(.N9!Q).R8 E_9ILR8.TTGC6B(W!0GOE49 M2FJ5^YQY(9X%;9?D66";,7LXO08(9 O&QSD5^?ILB._A!"%202HO65]GAEGJ M7-!#") \L28+X,-YFS7:T&07N>8BW*2=EX# 66UD+R6[I!)W62SWJ38@M.G-MA.*#WEI-WNVS*W*8Y'Q'@+(E11P0? KTLDV@MK'^B $ M^R X.?2MD!=BP|AR4|_"G(D[7230&7 DSY/#IWV$1]A6](EYHZ<34[!HS'N MV?<7_.XH6\KG|>*7UR=H|OJ6X6;72X H3/QF"0%C? %LDCM M45@_Q&O/3[7B."[3[$6Q*)6ME]8&8@D2)]05*YK8L0%05^XTQDQ[Q>+P\T)A[/Z@"I87T#G],4WP]L)SI,(NA M9](#T-Y64DFR92Z[7*+7,8VW6F]=>FQT7QUB.UCN*KZ)VZO@1\;" <@{?VX'?? M;84'KVM-> ? U?9/==U;#<|?U6IYIZ4DQG85.>QD' K8H@I_?S.FFPHK-4(L MBV2D.-@\]H;\6E-.WHRAD@A6SUFG2@.3?.%2L(""!"O+(/NES\RBOA&YOH:(0) M7(%-'R.\"K(^A$"6JO!6BVQNJGA+W@9_0|+[0GU%AG'AV#LU%@-_E>H4:(RK M3@?>^<@UXW+9>S"5T1&R7HD#D_6MN?'G_*GO<@JXIQ,?C\638FCY":?Y++[U=3}-2>U MHE*34'#9K|L(KP)JB#=!2,_:4,?VS')]8,*6IB.4QA;V$VU8&DOEY?] 2'<_ M+$;HC>9TTDE<2Y% M8=\&9]HZRV-89A(RD()D0@*"X1"^BV40%3&:',T;APWQ+P)918QSKON.)4 M+##]6))HT55ER\84!B_IDYD+A*Y(AV)QQ)R$@6%@-$2.?3"4$;Q-R0V%J8Q M%Z^A#9@.,Z>C"^1*[%X6970Z^RN+TOO595&J$I6$))>N@<-KVU%KP*TN,(,F_ M5@AQ6$EU8;0N*<*X:A? QA4H*Y)>1.T13;J'13PDGC32&+DN?N#^4+91_21 M+3VA)T9!2W'>'U,X"/,K/'LUESHE)O9=ZTUZA>F8#7:-,,FHA\^_M\#TV<:__Y-Z^Q'HSR!K(#LAOC -,LE5>%\ M\ =FWIAZ_N:],M1ZU^7%_LGG-ERBV^K8%9YK;#(L-G%BQ8"+M-1-9+:<15,-;Z"H5'^E%XO.0D1'^,SK'0;3"T-?>]=H'Z M@1:(N-1:6\LW.:YQ=+@Y&;$\|=>-22[EEYYMWO=@E2 F33-\N^QEF-B)3V&5/ M.' F"%%$0B2::8=?B(D;|"K9P|K(,,AGQC@PFK!@JAHRD)%(L)$8"Y1N7O< MS J__,3&+F\O /_I(%)3J1U?E@L?;BOMIV/;'@ALFLI^"B>VGG"N[\&+|WP" M ?'90^&1%'/U|9C1N@7':E2AMR)O1*4&67.G4+9E&*'*ISZ,XP&.P9%"K#7_WK8EHY4^T&A;)[62L.M7;E*

@S4Z);&0.%43MP0ZYVZ(=;?W!!{4]Q#7]

*+H4^>DPFGX]8$B2QU['B1 M0]&EW-G3-/5_8?X]K.$K7T)]}3%HW>]C=IX94NKC%*7FP8"UAB>X^4V#,'HT M?#V=+MP!0\OHE,$"-XX_90QIU&QE"5O3B%/:L SVN2'0'6.$& M,?#2<%/_J>$.@%,0!9T.X-25 4Z%FVX2<&K-_ME-+_^H?"FNGG. M6(LW M=<P*:Z[\-6X'IS)S/7GW.F,;PWEA:=*6 KB+L^WT2OD;&TOA>?(6+3R4 MN%#X% (V{!@"XPBU;GM(=M3M#K=,4 %?XY,,!<&5T?;,.6!>G>W0*IUP< 8!K M6!> Z\ H1<,M4(HJH8F&IPU---P*FF@8.VQ-01.%CZS9DSW<"9I(XA&5M%K= M!4]H.4;ZV2_0Y>-31R5BTQ0HD;_-KAV4J'M5H$3=RP0E,CKU`)N;;?3MG@XH MD=&!|&|$RA1 5GM'9ZHB0UN!4]4L-G3 BH:-@)4E#!AZ@(5U<8H"M_5/$91 M$U2RA1PX5XRBY$6<.$91\_9PPQA%P\TPBBH@B@HJ!!.,+X,IVI_,-7TG&U09 MS\LWCY>$!+@&U:H"3FP(#LP7X,AH(FW3V5F3,L^@T"W-"\JW(FLN:MU(92#?DW,E M6VG6MM(,KKN5YCR:9C96)F_Q/DESG0CP73^W'6'IWF<1.UMQXWXA>@9 \&, M9Y=`207%DT!MZ4#>$5 !BW@<%Z9G' L7 M0?=

*(N(B'=1MZ$A>Q$5S$NOQ7#Q>QU|\>82RMND\(%S&R=;,#12PO(3T$+F\O MT!PN8F0EG@ NXO!J<1&'M7$1-S3\=\)%3,,SF\)%+)=5S>(B]H;-2:UCXR(MKQ87\6/8KY*J)SPW^?!@BV$/HGB7B(9_T@L3.4D&336IAHVI:C&41-31D^@H MHA@-VOIZY]?H!*/2:X_^HOTJ\"7"\KA2.=)6OB8JI?%O!<\DQX>'D+IBD]D' MARN=)G$M^(9WZE8=U"DGCAENFFSK*-QF" 9#MMY+'MEXZ:-C#B9I\54|!QS M#]5,/F!=F4\G:GU'-09#M6L4'-8F89D0 MR'Z'8_F2+C_@W>MP;- @A41).NX24*&#*%L396G$77]R6#XB-@[]$YL>'HNY M*(7(@Q@%U_!"@(APEO !3"$$EC=?AOT3V%\9(,T %V@+!P>Z]>\H?3/H_@2#F3W,9KAY8#%@$1*$

JK@WO&#\2H>3]Y$E?""2[AQ9C-^`7P5(40QA8\]/W.=83L4-1S;,%U77. I MNFN-M=9&I_&1GT9ZK_Q&0)G"0B;9/JKP M)\A3105,+%+U1$K\SW%]N]WAZ6W?A?]_&KY9_+D-?_I, M_O/NH-TUAH5_ZK2UPL_+]5I,4/OUWI4^>?&L"L7=?!%&?K:1_V-*(M3%Q P M\L, US):<7'&% V[=_KJIZ*%@=0!.KPLVR|$P)1^?FQ<6P2EH0CW K,&)O?YK>)MTZ8/?%RF5/:U7% !!V;DQ|/K@..T8U8ZF3"V&RV;OM%0AG.\/!N"&W!'KZ!GG- MZ'[<)5(Q'!,J0|}>(IX M;1)"-O)N?:\UJOMJKZ.7)/3W=D_XUUKW52XCJP1$4L9NO?ZK9K)+Y;#N 3@, M,0*

*[]M8K&PFSGTLZ-_:Z=@Z[8";3#L!DP]9M=Z!JW3(H3JG&!'J[7]K'8## M$'2SIOJCO7/8SNQ5VY^R"G/FKO M02\/!2G)Z?S)J2)>N =R&K1N#57K&"="3A[6Q!9; ^*"KL@Q;M! J]$_E,S)4>MV,,AWHM84,>Y M_?2%;:''<53?4.T-F@JF-'&YIUVW)EE:LG1=!^Z@+&WPHN[=32W)TI*E)4N7 MN-@'96G$OM'48:?A E?)'TI*EKY>E+3?8'4/LWN73;T-MR2J!DC;LUP73T_>YFD'=U1C[7,VP[FJZ^US-J.YJ>GM MOR),/$MB;6P?`M$5OS4;^S963SC8_@Y*9_XMUSTV

<+:CLUU2>L(`LXTN`[{0B(0GVGH%AA5AE2#,U%^.;_'B`MTW1M)T?P$!^7KS1;5%FOS##*#Y,C?N=YS/?*4L$CXTQ3P02!Y-&=H|6*,'>L`MZ+RKKK>9Q#*
_"YD%EEE@F06666"9!6X\FARU|I`VDVE@F8RJlC9ZZ[V->[`@`M'D,#@IJJL:)NQCZ'YD':NYA9/!GTYM_;=0H=BV|KE@JU!5_/(0TE$\"2Y_;"`M<_U&>6X3CJZ'=1<]8^>$@LS^-
JFOB_6T3,8E6&5P<%;IT^BX;J^!T?$RO7M;`M%##4\,$4-@*)Z;F6Q;_61|QD3EHX_"W4/@FC8E&H[B;R.3.%*`MSCY-SFXVIK()9X^
LT=|WRA#5CXOSMYUWO%5#BK6FAE4/)2>#BAN!WG+8HVZ`M@X[_<|W&XD?(/KOG3W!QEs%R{B)HP77CBOx:)S\X%3l,#TY-O6:K,7/\L>>2
M)$^655!U)P>8#0^!0%T<]\FTK7_'6(X$1(O84M,_4^0(L.:X/T!L3_*@@8X'-MBS*?L.:]R4R\'B^.;*>/:'+O*">B7*$?X2,H(.2891/CS=Y-_!1878VE$"X3!=Y.7C+B&
[A;/8B3,>C#"%"7=\W<48#?]'2`6`MK9TO+-P>/U1K;&%8"=7.^^U)#%@"$YZ[3,PFLWXB1+<_1R0^K'@I0M,4H&W>0!#?-;NO?2T5_+0;+ZP+]*(U=2|&AP^F2=]+6TFM
M)H(D2M:"\TEUR*@<]+:5T(S;"M?RWEQ0."ZB*5_Y_M+J:EKT'@Z!{&D!RB M9.'4)10+/2#6LL8I4A)S'"%0QLOF.VM-5NZR*ZEM%89D)-NP!7>1*40;BZ0K+0 M2C%]96U1W2Y%
E<4&*W;_.4$/0VC E D9.ACEIZ T-M7,AR1MD)R6#7P6#="MR08@8KX"$$X1GLO11,J4"4]PXN3-%1#TY;34 &9&*W;7C*XV)-7DTIRU)
MZFF;"MS!1D)F6]U]ZL=K;G^N"8N\4CNHF1=R;1-L6Y%?\FFZ2*M#RYU4Q$9 MR9J2-;^>-:LZ/YM1[@-2]KV=!SXL'.K68Y+,-_89EZ<>K:B ;38!G
MPXJY\6#1L*1YI^GA9U'3W#7:W=&EXRW*16VZJ/75[1L66A=&AT9G6HQ*C2R_M\P:6C|C LFM5[ID>Q*/UL_P8KK@"OTX_]FG?<%T\TXUV7E&8?F&G%W:T-5>Y M?
V$'),FKLG/:N\5ORVG<$u5!!XO(/%M(Y_V7=B M=.:OT?6[;>:+KK5M-[77EV(#+I*&*F2W-T:`"]JG&I\N@6DH9.DH8JAIDT0T/=.M'5'RVG
U5C"]IAH9ZV(6KCG8/AIU7&^7Q;#D^K]00_)5PT.U7%&_8^70N M2*0<0J#T&S*.F!W%(TXX)2@Z6'+P%W/>>.'B KLF@+SE8!J_.1&1GQAA%":.^&KLKM:-^.K6 M'?
%U!]A(8KP\)OE_5@[TLLH&NEE%(ST2CT6BYCQT=N-]C+X.*^M!M9X#|/4 M2AYFN(fWK_B_GT"2.6{1)G.I.8,&4!RWQ;LW,9+G@>BP9B ';5^9!!ZLE+F> M8DXF()-QIA#H
01U63#*3]Q6M\TLXT4L,[/3]3\9SPO/L6W4L9D"OU@Z+\N__MN8)E.E/ZQ=\`>]-4/;.7T0DI%?IHF3/:%'/*#=>;<>#GP M7M^ 3L ;
,,,M42D0:)NTD;7U&OK&ZRJP$Y!7.CMX=V13$V/88/:-TJ;[2W M&:-/=L+*5D79"2O)ZP3)Z^:*+%3ZYZ.[]4+ZSR=R&=5Z]@?]BKASA7K[!>;OF M;&8M+/!$-D,OV'GZQ;&
(9==0HATLQ\S-E_FD6D?URC#!UTC7:U'D\$9/.-%8 MG6KDPH;_[*(WFI+\!=_M_RL/\?`,TNLTS""&9)##,.C%]V5\=QDL/],@?`,.G M[68T8_5QG"
)U&9OK6'VQNO^$@HL.V\/93V),:4]\WE@QTRJ2SU MV#*CE4AH[2=ZB\;ZV6'1K*5 MRSO&QQ2L+YGGP5,ZK+8Q,R=%R!U%K1W7YF;SPP/S E\
MSP3/|XPA'!> M9V#:@>F6';,U#/^5N>#]AP>.AL.#V(R=`^BU4ZJK^FZN/0E6^]:[#=_Z &X] M/ZCU%YF;P!R<3,UM3IB]A@ES"(29!YJ1V8I+S5:!Y"JK"QV"U6EC, M];8+
(AVW\T[<,=PK;,%30*F9RL);6D@47*MQ;K#> +7G M(>G0)Z\T P;,/B^\F+.X NJ,IE;*X_Y_(<.?-=5V()-?'".]#MRN0+18OOP M3?P"/F_E.M-@XBNPWV!FBL9P55F!1C*?
Z#_|"O$QBHB_F"WFMCY1X_V3>^' MUU8^6)X.K'A)WS(W*5E1PV>8]V>$X#V!? +F2U2P'(*DN$5#H7>X02+:"KE M+(5B;\K'NR.3ZB,0\3
CG;!\Y$)@(W,*$L5C"ICLL&|||@2SM96[!4XS>YKC M[_!<$_[_)V8SUUS (LT%/ 26SJ+EBA.'YX4O$':"W&<+OJ]_PJ ^K&E,MPP MOB[_(+|8B1EX8C,>G
-8>1,+|@,2H/8^4KV'N7"H8!O>'E_M!_;JG(_!W+@!/?=M%Y,N]|J M3<|CRS'>#CP :5%Q$K)X;6P"*1@>.WX-;7NY$9A16(=OYMX^A;^%_L).U#% MJO@*_]MB/MB1!=)7(@ D$0",S
%MAP!@=="0(-WM0X!H%<7 >"1/;&L_<96 MCHOR?ST P*@<[&"4]P MSB\X@VG*YW_"<.9&;P&GY(,NDW\Y(TC5%N\B $V[VON/&A!P*Q>O CJ#!H3R@<@
],POL232+F;Q, ^]*0@R"MT0WV\'26Y@_X_IO6_<.'WUMOVP]J M!?Z;_N 5_(*K)2Q^/_0MJ5[P10AFN+3C.(!:W5I_I4P&W!C/(Q?YA98QI'- MJUA^\F4>OW1/K$<819/
=>%3D.QSV%;fIR]^O!:IZO.73UGR_4+FUEE9Z6AX#98R6D!1].T$/YV;4?P77ST5SC6Q3L.W !P0+ MT/6Y)3^S,*ZDO#+3I2R,FN0=(/-I[9LS>OTI$SJ{2|S(;G0^?4:1,56^NJ!L M^,
I(>6.V1SY$EL3QWX+,D3,$-=U&'WO3DF6982)0<; @T]%QGTS;^C,E6>P;%U%.?Y_V?OR[O441D)OXI.77M>]3DJ!K%CSZMSJFVWV_.Z M;=^NZCM_WI-
(":@M)$9++?/)7T1D:@'$(A"%$'D7MPTHE1D9>T; ^_D,Q##HP MSB\X@VG*YW_"<.9&;P&GY(,NDW\Y(TC5%N\B $V[VON/&A!P*Q>O CJ#!H3R@<@'X%#S!1S#R9-
X\W3X6/29+G:!L'K7\\,W3V8(3%"WFQ$VX0?;MSB9(?S M>3?G@60??/[DO C*;M;V]X- K+2X-!S/Y]D%+BN9X]G2OZUYR+4*=XX# M+(&:EK;83GW%6")"48$TXH]W1$L>
<>YJ*$'HL_@\]+U@3E3ER,H>?#3&/(CT MGI@[X;$63SV;6EBH/+\2W;LP#I9G$#E-',RUS#P*]+GVR'S4/#D:/V%ZJ&&60P:=`EOP,US^>kG(PO2[3AZAM'_M+SF;%O-
(_$\K"5PDPS16@8H$B+?QLOQ42:B^?E%?D3*74Z9X@BIC5!_4)?-MF(!PH.WRQG:X9@O(&K% EBT&>U8 GA$&6&OOZ+1;3.1IO-0;^D^K_VH@=EM XG6O,J;R:1#4G-:
<+F-,P>S0\N9:QC(6W<-;%#N-:.|[^JV-;@"NYR& J?>=UQOKJ?E@!%=^_MNNWT=*/5JX+,*A5_!\?7?*QECN8,W/8=58!>EXI6*KX[XY:GXWM;6P*^@XJG?M:%,OMU>!T96./S,F6Z?
C2\8>[C:5&Z]TO-+Q.^GX]NEU?->XNAWT];1KX+, M*A5_#!5?,I)0%WL)*15?]DGR61PK,+W8LM;X;9+$'(*>-;_FZL0*'.YU"2RV MH_>Z]XBQ2BF>&9.M48K|DD_WN@/E*"]E>"2EV*_
<5@7C\-;0[W7/#CY193B MJ9ELG5(L^3BLA\=A2BF6"R]_%GO3T2@(5>Z5):WA@D;OI*W HUC.N;0L]O9?3 M1%<=BIT9CZU3]*2BO5:X/Y>'"S5V5!,\6NY.K$"1T>]-GJ_+;W5594"9\]D
MZY1BR6='O<[5;7>UM8M2BHI?2U""%^%3@[ZG6QE=I0;_8KP>5**1Y#*99\>-3K M*4]1*<5C*<4*'|U^F>WK>Y,:PW4U;"S9[(U2G%0\N%1;P">HE**1Z@I-0;- M5K?
BN=*'I;,X145S8OOAE95M\L1Q19?;?8O9.,J8.&&8.&,KMXNK3QB9\"U-M8Y\]I[@G5L\/IX0%2>D8,N\Y>;L/Z+VPQ^TT(/9L''U-Z55< ,Q^E>1EFYEVZ6:FH\R,,C/*S+R^F:E
T5&_"V:FW\&'I5U85V;F MK-ARG9GIE&YF>LK,O&8-?Z5MP^=,I\'|FF?(16?XH-V:,?7D1!E0\#/E^ET/]
M@Z96[=E5>&K5GEV%IU;MV55X:KFSNR1$JN5&%X=/,_I7M^V>WN_5\;;OB9Y7HEA?4=Q2=7]0*.[P!K7>;QY<3*I$48EB[45Q M&V|\0:(XO+KM&WJW&M!7U1-E)8I*%/>$]SY$%
=-O%FI-X<'=V:HB2A>$K3(M-AAF!2^R/PKS04)I7-UVNGI|6(D>1Z^?I5K]\XIWMZ+E'L2|+>#=MFZ[TZMC]-MY]3/^]
[=BFIZ$,^VKVX'/=UH*MY5O'L"\,F#>+=#'1FZPSJBZNSS_"6=7!6. M$5A#HLYI, (@$L@NY9N-6K9(.?7SBG>W8KD=Q+L]+)?4VQV5H%6\>P+(K8-X
MMW]UV^WHK68=.PZ<^GG%NUN1D0[B76QLWC1TXW!LS)HP[R6EX_]TF>-X)@LY MKC4(UVS77GY00NFS.6&/FOR;AU^& MW)RZ,/W)I4&%7Q>2Z<&*+Q7
"N!OI0KW\JVK0^,SHIH_W1IL;G**Y7,O[U7 MX-\A L5 4-!=O=RB&%@Q\&$,O!(0'(.!C:O;GMX?K"9D%/]_CV,?P>OP;\M M[!:I&_W5XZF+8^#+1+:
<9.X3[GF55*QBY6J2NI%_*&F]K3V4#]4QE,8X#,GP((TA8'OT?]NL*W1*8RB-H31& MM:'G#M(86'@!/D:S6]9-/Z4QE,90&J/:*&(':8P>:HRVWNNK]*2$X]]_APR6 M"O^U[,?;F*!?
HQGPB'G[#_@P'G*& (GMQE3"%(S\!"DSA!&/Q14TXCL[!/]9 MF_ETU?PKZ_XPD8L'= "_!CKZYN/-OXK/YU#:U+ZY@_,_A%PBY$@04"K-K<]M13Z^-Z?+YX/- MR=)6,?2B3=(-
\/D$E<@3@U\$H ,KPZ_)+7$5>+K]T^V%4Y1*3;.0C'*U*9\L_RZ M 5_]??S3KO1&>9_U6P8N9^O&\IH-5K-3]&AUG_>;:MJG6\2@XU#;4F<5P)= M;[*3\Y!OF9.U#7=9$TO?
MUY.A/EQ\/4\ 1;%R*USL8+9RKI?GG:WS)G, M=K,)V[N::U7;>Z+M;96\O<;5;%4NZ.L+SL$_+_FS-02RB6:VX.]"$GUO@_RGRO3DOPRNM*=?U2^8Z;)Y5L;B@YCLX*'D'^VH'
M7WD'R\VLM9L#M8.ONH,P2,D1.(0=W)8;/33\/K '57YE?'-3<5S\%'+@=Y.:MK81NE&VCF=.+@2S0*IT%#,4"Y\4"[=)9H*58X+Q8H.RVQ&VCO0L+ M[%"~C?_&V=IN1"]?
F5B^ZT>L>)U[@4T%TSYWX,>//*US?;M8_QN'H^D 7EH;_Q)7>R;/W!2RKU'Z8,GIS#P,C UF=@#V -^-0UFM &!/GP ME8?T] /*$HE?]OH"-4!&\.MNS#*^$&>R6,"/ZQ?
5[*/N>$]:0),# @;+1?6P MVJ2H'FD#D]3\=);.1$P3OW UH_DV+5L4 XT]'RBL.9P%(9!1E#7"V^= ,,|" M^ HYTKM5Y;)T,2*/Y<3]BE7RKYJ'5Z_M'PX;@VY[G]+^YK"TVO!6Nl2"]9:.
MU;M/]I=*^\>XHEV5]HO2?E7:KV]O56F_8J_J4>]R2_L_3&V?:=TLn-#(0>Y.U58S.WA-M;\I5BU027O+TEE_L8 VQR=.NF5_G\"U:&>#=LA"OEKHJ77[':)5ES]P6C ^)(.!
M^/H-N\1?*<(=0KC54I2U12<5+3NX<*I%TVF&M,JIN?)"=C0G2Q-)^ S&^B- WE^.B3S.?[0Q<#)TKPH#&P+/X%) MBVDU!H/<,P_ 1ZK&0&I*>$;MX25S0^@0O,=/P-GAR[^
F!DDR4T@D#^_?)=[MY-2(M-IGC?8(M/8EK4.@M?;$@0$/!GCLG@^^8ZO=Z'>+U2.L M&ZK?Z/6+5C"L^[P]* 9_^IS*@(4D"YC0HI: HORN]VMM;6K%YDQ//>E65A5/
M/:FCN.K]BGE=.FCU-PL1W4]3[<QE5[< M5.7+I*=0^?TO:Y,W!^OHN.O(MUHZI:P$D*K=/PQ='S)MQA:?=#Q M!SZ?@+T/|"NXCP=5MN]?
6.]W5RD>EX\^,R=;I^)+ONK2&RH]7.E[I M^)UT_/#T.K[=O+H%8Z-W^ZL7U)2./S,F6Z/C6R5?2&H;RH^_K -D63<=EQBO MM7&;Y"UGV>&R=3B_Y M@EN[G=O0X
3L4@6=KOBU?)U8@4/)-G;;&NA&_^#@5.G$4 /8.IU8\IEDNPLZ M-<$:F|*)BE|+T(D5:.1KZYNNP.|V3PXOZMTXJEY;)U.+/D,KYW?NDSH1,6O M)>C$"AQZM0?
8EEMOMRO!Y$HG'D,GEGSFU1XJ/W'G?.CI05/4K^KQJTLHXW]8 MA,,O>KBRL7W8#E%!%>'O#LML$=M8T"ST"DQZ13ZO@*[Y":?90R@MTKFX[+4/O]V%NUR(
M";QP^V>4;O^ZKV;_E/%3QD\9OU>)O02H'[-[!NT1/EEHFW.WCNM6/>1\]B! M(/)?ID//_)'3,J0S$!H7Y)-,=V'\(0ZTV%&$!M#^X//(-ZG;D/QC24%E*_-$N'U(&^9H,V.#6;'=
+OR$#G\[<]QS00XMG+)0>V*|-M9H-ALYGCO&AL#E\'BA8]=AAH{X_Y%C;QL6R?8^N=0+O&QCQ7\=?:?(R_N/H)-MQM%^9_ 2K=5L#AH:3FCMRRT/"-.
ZH39ECUP#8O+GN2TLHV:QD%-'(*S5ZIO@ M$5A7%$X]'ZAGX9- 57Q0=C&*WP$K\>F#%\[\H*%]B ^=G& 4-"[_Q^ M9?
RUBP*]P4K05N(ZF*,]*70RTFZO<2""66B^(]9.N5HR]1?71+GA7]R[A"))W M,|#^X6YN<2\C8$/4L\W&.G\)#6-K!EDJXL3XGSG$]#7_R:(S_H@GE.Y5^ANQ;T;>SG2Q9]Y
M;*P6RVK)IORYO"@]VT(+-,)+=D=0N$UO!G27NP6J `\6@L+2/%\;0_PE_H$M MO^"_NO9D8X.!$(:WX0<@NK8)GP;1Z"\0&OP9*,D?/$1""?X77;T\F(6/'\)K M+B'@@=-
/K4M^R,"7]5HCKHW!H]=YA% M_&-.!@XW.JC9W0&QUS9MS-YY;\|@=E_$(>@:4GLLGL!B&;7/A43<0 M!(6?C- I<\LO"Y&;S%@VHB!]H@=>C9%>&_@RGS,.'L"OU7>9(Z.G:!M'(61
MSQ)]R!-@[_C%"#:.M|HQ')-8'G\,N;,\PTW9 FA=VB!0NB+HW D=0B!"\,<--F;6MK@/?C-L91 'L MA(54M.P@MN0PC2SO-5;=<$U3GG#6$^Z5X@GC&;CRA%_%$^YQ\80[I,Q=XU5CSE]
MG=#9\C5:^AX4PDW>|SK75+PM;Q*MLVC]5RR$R=#QN^?8YDO>IK26J9_5M';.MRMT+T!9YFLE]}.(UWPY^8+-+.\!=(>4.A)H*%SV"#WD0H)V3Y17VD,-@]US37M.
]CZ0!R0^H'HM1&]<'@Q_VL/EO<17LG!M0.#E;R&;'K*G!Q MQ=QB&RU&1'9-K1SXBNG3"4CDRV$6;HFIS5P%*Y?Q7'M+MET&,+^R89W@|/DFMKUU8=??[GZ2=<^P%0M
M&UC[(96]/&++NX\0Q>!K/X..#+6??9@IV-#OF$R#IS__/WJIX9VC]8V>978 MK@?3+ 3DSY 9W0GXH!C+C)W(#",Y.2,>/G'NRA:HX*,#O[F:&?D^+,*6$HC#
M_=FX;Z23^_/^((X\RRR>"2;>=@'V,A+KCAE0&\/R83R@FIVJ$#WQ*H"@2$?X M[Q-&/Z;,M<,OT).#=4\H"-/FGA]F0A_<;8T%@6<*APF=0@AX(-""ML+N]ED3!!'!$P#6CB//(;"@1@5-?
RGAK:A_BIE6G*4QR"%$LW1 MS^ .D.(G!H9 &)P>VS#K!FYVG+]B_,G/D_B-%HOK?*3!.W1 H9+O^,*(0) =9W6-U!*ZS[OO3)Y&"O#MY$,.'>|)?M98-@/KG;-M&CV,/OXK M"D)
[_'(B)?^P;YO<7#/]Q;T/@9;X]V_C7V(L_"X=S5^8[?\/]W.,Y7M M57N]T!IY97M7A67*+"GUV*8660-,)8>P]_CW$8- R:2V17N9^:,^B6\7,O&T
M57D^]NNVQ1T.&P/L;WM.]"MN>]!H#;]E|=1LE=)3$^,4+|;=4\U)S>G\YK2Y M&_4A?6-W_!DV"ECZW?ETZRO0Y,">1&!@S_PU=*AI?U@,FDP^#$51R$"16NJ_ MK.\>6UALUA84Y-
045)M-OB:4RGAZAW0&S5+8]AXSR$<^^>K>S &YP8J&<6GX M<_12G(071R4EKTI>JT'#+?)Z&;C6P$9_WG_\.]+BP!U'!1>9H8@K?(^&]&5'(M1]*<=[A!:N1=[=:
<|+=4K2.YKB$3OTVSFC47[EC)04+S4PF"Z\7K10KE+W- MI6UMW6X>%%Y_M4MYBQ51]39?,$CY&.\0A+%]+E(SE;E*T.U>W79UPR@+VK.(M-CH%QIT2N0L7.9/EB-
P60,F21:YW==O3A|V#KT6&;N$H M;T:IUA-X,UN:EY6L6@<(L:H/AF5UM*FZ;MU[_A.]^0@ -#G]\Y7D!7;K&! MX38<^Z&-3G)@]PO,=@ M>K,Y>!CBXL75G6E&L\BA-
\9WA&=SGT^Y&^,#\%=N%?_-X>|K\2KN^NOOVX8N M&]"K^Z)T7;N?PD*Y-N,M]YA"UF#6S73L@N>]"E\8NL(577WW M/2LR0=WQ1^YX<[H[0I>V7. ,SNE.3/*-7&MR]X+6W]RV]
[86H00&E'MKKY"), MQ,<.A*61SRT=GAQ#X!K&5V;HMJ[S@=Q4.XWO-36T.[R.YAY"S:NOGGLC]XK1 M_17<4;F36Q:U>,,%V"(0-VG"A3M.#*-
PP9N.S49XY+!4]LKK&)S\7M/7&Q:_/%U19F)!<9!0?NS[Z-XP]/A>0(+-M\ M9T4^SC-CFA"5N!'OKMPPHN7_5&=XH4E<5$L>']D(!U2E MS\3M/MMK['_OL,0RZT4^2-9ZH6T?
6V@[*ZW8#A%;K'\XH<2VCR"QB Y9)8G= M/1C>46+[*+&=U5!82>RR [U1W *!737"R]QKW.>L][R#YRO]7G*@V6;_F3S5 M-5[P79"(FP?;B0Z?P]/[Q02]0 _>829DYQE.,MWMYI
5G+^;] MG1U7X>-MIC!\$SGR%C];GMRX(&;3&O,>R]%&G/0W6.TW-_=>]U<>?O=YN"O> M;%;C#-"56;60"[!:\=UQB8RU!1%+)VY@OL"),)@RQJDH,T3*K.L!6X@R*2C8 M*W-
5ZT2TZS?!]#9Z.])N!Y2UDGE]C6D^/ET,L-]ET"7E]"73M3$;=)&85/WU_MF%3U09?: (#0VH#.25A'N1!(|;_0$)UFDVAR/1/"D"1Q2\A3%$(;AO[_)+K-M">6Z+ ")UQ-)4(%(%/NXBA7!D
!&;30%LQ8!D>@W&\-^KZ0+]NU!IY0+]D:K MT6H6&VK3K?]B^ $;)[694C6]N5WBW>R*'*= *K@7&EP %)!+,X1?MG@TU>F M&%L5AIYI86A>&79G2\NV3 HNQO?*HH-
1M6CA^M!^"R^Z]/OKPN/JE(-8$K]4)32(L(LJL,+L]+6(Y6@'3#EXQAQ3:*E<6 MVV7+XAC/]6[^PWTO5PPI[5=THMIZ7U+G]S-KLU9[AMK2-WXWALIA\&P7VEMW
MSO+:3%-22$;Of5=<05,U?5S&#THZE,59*C!3?N(Q5A M_K6=K(#]PB)0-56ELQ&1<208(!>/@Y$1),E!F M OFF)#4Y, M6CD:%E;TM57GAQ76_1;?)\YZ:VBDSFLZ&CS9-K@L>4!
!U3BK%H))1+2#7)Q M6 %01BYV+P(:5*X(["9@F)=7EL),TX_X D20]DI1A^3GZM5T]]*1RSN#KNXQGD.!ZS6*:Y/E-UP)V+2HX=P5_ M6"WO?
@]^7!;'K$#CD)@]PU2'U:MN=L4'5[?]BK!-]04=U=?1^34=AT;XAQ]# MYT/97VBH4B9IZ22#]NRW, ,.#^ Y[$Y_-!*9> M%! L)WH9]@\CWQO:1=K%8P%I&TCT@T, :P<_L-#5,VV")B9\<-
'W81P1VJ5L MZK*ZF?Q,?=QVOT@.4B(B+=_) ZW?4G<7M(;8P2P8(IV,(&X)Q#G&%;47 MX3C?R'W^(.]K4VG]*!N8QI3:TX)*@UPP<=!_^]!E=$R0RLM!Y#
M36\EXB*EBK1@"79$IMXP!5U|FMK(B;*O"C)WCKAW] 6D803Y%NM?ZB+#?!>> M#@!#[';ZPQ-A[Z-]\MFH[T%8Q>WH-B">]>'Z!ZV<$'K"JKS@:@)%\[?# Q
MP5PTT7%>&]O6;CTP_D5B"0_68PGC=''\'/0XJQG<3;L\(1{(^,%F_W!T;? M['3:+3,?7P,; =4.@7BM6I1> L(=',$:O.BUM7S!W^Z\5:S4T[??F K51
M+)/N$!]!/49!$*N&.YN\7VP4K9X/R_,"Y5F]F_B#]N:2>U]#M"Q* M([ZSP0[8YF;>-;HQ5#)!&*,UN#HB"4"'3;W(L;01M6P@.P)*Y._(%5]6/#TO M\@40OCT#M0U*K&'=]0U^:7"-
<%WA&!.1L,I'L M_?"'=^;'V1=>^P',.(9Q)6-1_BR8WX*G]P='11-O^'"^AE56C>_+=V3;^Y6O[1 MU4_TUJM{4)DXFZ_P-OA]PGOJL_*+*#;^^FU7S_!SK*OX#.]_R /C+>+RP0*7GG@1>)V*
(S6_#)->Y.SO/^TP.SS MZ!#RK\0B#RO@ &)\<8=%_1 8#/SX%U4T?OD:M%MOI(^IXZO"A:\0B]MM;?E MI6OI2R=J(@7NPR?IHEEx&G.V N/%&A!G8$YL[TP[
20![_$MU/C2)YX/*_Y+.0@B!\\" -EE'L=>=A-.|17).C8N7&2Q M:!38EU\,P<PX\KV3TJ5]H5T\<_P2M(]I%1@&VO.0>0%-X[0WP#[FWP-\Z!$\0 MQ0(;1ZB\0 4CC\MV0@]3"BNNK[YX#*S!
\|)0(TMD0=/O(F]ZEQOQ3[,@5(/%- M2CL\VA;W(,+FHL.1<'?31HX:GO"3RX3R/<;(#KUY KKL12>SYDVTWS$EK%HR>;"DZ@TEDE|!"&CUQ$PO'#XQZB8+[@2,@HSD:1{(M4;"
M@(Q9<,;+!,]fO\BJP&MD+@V?V\:#>>.(U6)F"078O*^'Y\Z %0>SJQ"2&33#'W8-+"&J3#QZ3) M2/;!Y4_.BZ#L9I%?'80ZF667)A]491>X+!+Z!U!&Y]N$.?+XYJ0>BGNV*) %E M;V76"9\
(>'4L80%HKD;,B?Z"#X/?2\-IE)SYW(/ MDUQTFW7AZPBJ_2&>HX[N$./24N1+1%=P#=9$GC"STG(),[6*5P)M+BDZZS'S:%U\!=;.Q0A$7226,W
M&67O(=ZT/>&FTA&,,,.>'(1) T:@MH&SR(6OI OKQFHIY|&&B%,S,13OJ0)PR M4*+W"'7Y"=01YW^QS[+-8DW#!3ELI?(("QZ&?,W? M1W,Z<3$:O0?*Z4"HSD1\P=_B4GSHE%|4(A7
_@:34, 8?X(Z/?0VS_@\6M@>T13X#X(B\06)"SF?((OD\N%9$Y1+3,DX2&B7W(T('M)0+B;@SYNP MST'|'("*\#6-Q-J/YX"KI& ETE)"|!?6;65\J=5+;8=8GE.X>'EJ"9<[NBSCA
M93[/*L4D19024[XUEO68LKX'?F.8G< 3'8E2U 0.&JY0,:+.-&VF]5SBR9"-MCU5,G%\3.B95AG0\0%O!T)N3Q"O>-XZ$FD!SH"RZ4W,QDXO$$DR>1V"!.*>5QI M>$@)274+9,U{(DE.6M
,;?:?YU'.1K7_[\)$F*CQ#4YSM#03&GZ3ENU92$>A MIV5U>X"A6B$LE8%_NE[M\BR!#F$5S0+A.L#A#.Z$KP(<VI8H'D^YG M>[.D\=&ARTP"_4/LT9T15= PM'MI.AU9/>_S(#282
X+0ER(G;R*F"KP0FYE M_)=%GV7%O4B,>OR26+;?%$HU/K{G:!FQ1N"5:CBT@#R;G9A@8EZRQX#8Q(AY3KI[,K89AH$)8;[M\MC9!*U&7MT3]*5@:L\E%YD^9R(66:S%
":4T\.#'4AGHI. M8#HAUV/6E&<>%##3,*@"\7Q\U52,/3/*M^GO8H0>2D)K$D'IZ@SL-- KT$ MI8'2UXKF33, 1=V|W"Q;+!L_!%RH*A]B9#I;9P;M{TW M7[YG&1\?A.''G X?
4!S3WR_R0YV]PDUYBF-]A{46=956#Y5"0L_^$4 M3@K)LF?H.'&],T$>!ZWW@^3K89H;]$JKE7@D.YB[@Z^9P"]?Rs5(C;Z;)-7)
M,?:7_#M!+.%OSS@7>2.RH6@=?/#%Z.0H$=G$CDC3M6H(Y6QH=/;(;(9Q'1\Y12*%&V'>$3Q& M5,$.$BB=GGQS:EQ5+5"V%FAX"7W%*V$Z-^{#;CI^09OG2. 1PH"*Y&3H:DLU,Z
M0)#UP3>CR';"1&\MA+,2NQ?9@MB1C_,<]U|F ERG&4&#Z-JEKJ;0$P9-0(R)P MQ;Q!HKL)\RXQI7\D[|C3XGPKZB%L+4O",,F\T#/22\55GM[\4Y'4F5; MRK*W@
^5">93ISV(K]0KK1ZM53'A0/7P8/ M&T9?|[?;BHD5$Y\O$P_Z>M/H5Y""2X)=W)GK*@V,9+3>;B^7HCH!70Y0-T&6 M[MD]IGK\VQ_J;<,XV|X<1TE1U7.G>T-[.!B>_TI7;,D?
O=;M}>RJZ/:VA MWFL.5'^GB_V5VH0*_.H24MZ;*KS7GI{4$T^_W\-[1O/\NQV\EG-ZOCMMM%IZ-M]IMG%VEK:[!IG2&>K/?4MM3S>UI=0=Z;[#G<<"Y)9I.06!]ZE$]LGE3X?67
M0YV*2Z;1U=0{AO4ED>C4&8%'C'FLK45.B%H=>Z"W"_LHM1 U1V'5/+96C+0, M0=,&KDPK\5#B<1GBT>_HPWT/0D\I#CEMC"I]$K\6G&$+MJL\BQD$",$+7BKW9 MC/OF,LZ?
+CL-_>4)6-9Q!ET,2)^!8EU$9-$%\A3/XA%M(23Q9&9G#C/2;%,_MX>SRWYT*L/(FLHBJ^/W;UQ4 JV6809TN--//3>;[-O>S7TG,FBR@_X.I7+F M67R&J SQ16R\A>P@>
I!X'\&GFE"R%ZYZ+V/X\'}'HQ0?,Z,&T@]?T7F_R1. M'(CYWYV(?I2@ $2O3A]"=39$V<^H8^AZ@A^ T70<_2?9@"7Z?1NY3=FQ0^--D(70EH'L'WD?AXA!\SXXB-Z
LLM1@B:^+;5BXK27P(M74#"$$B+,,.+(?<0#$5?*>%F4Z|&8|?&0-Y"^?FITT]\|6W-(RJ F"18S^_M%]@.M@?(("NA?9[[-LP;Y]&\!8;I9Q>?!1%\B5TDA#N&XG&<+6)8,K* OT"&
M$:!$,2Z2OHC|(I:OA04ED>C4&8%'C'FLK45.B%H=>Z"W" _LHM1 U1V'5/+96C+0, M0=,&KDPK\5#B<1GBT>_HPWT/0D\I#CEMC"I]$K\6G&$+MJL\BQD$",$+7BKW9 MC/OF,LZ?
+CL-_>4)6-9Q!ET,2)^!8EU$9-$%\A3/XA%M(23Q9&9G#C/2;%,_MX>SRWYT*L/(FLHBJ^/W;UQ4 JV6809TN--//3>;[-O>S7TG,FBR@_X.I7+F M67R&J SQ16R\A>P@>
I!X'\&GFE"R%ZYZ+V/X\'}'HQ0?,Z,&T@]?T7F_R1. M'(CYWYV(?I2@ $2O3A]"=39$V<^H8^AZ@A^ T70<_2?9@"7Z?1NY3=FQ0^--D(70EH'L'WD?AXA!\SXXB-Z
LLM1@B:^+;5BXK27P(M74#"$$B+,,.+(?<0#$5?*>%F4Z|&8|?&0-Y"^?FITT]\|6W-(RJ F"18S^_M%]@.M@?(("NA?9[[-LP;Y]&\!8;I9Q>?!1%\B5TDA#N&XG&<+6)8,K* OT"&
M$:!$,2Z2OHC|(I+OA04ED>C4&8%'C'FLK45.B%H=>Z"W"+"MX _V43 OL&=O^S-L&-EU M!E0Q!ZKX(U6W)+L7SQNE(LM*42?M("G%"$XWJ+99B
ZF1\2+2S=XB/P)\\1 MC"JR@VG2AB33/%4VMH6W+OV.0 A'Y(ABF"'V,495-!&5*WQ"8"Z"YTL[\.90 M*,9QL#F @+O*X;RE?8D;I6"L3-WRDI'Q4_"'J", H5++#'!4D#O7R)01GA*85-M

*}B^=8.$>-'&'+L/<($1NYXCDX8Q,_4FC7$"=-DWT.69MH'4;CEO?TC2,^1_M8W0ZC7[^PK|&VHYL!Y^KWS9NT-9.O**:,+?177F+Z 1#77>Q*0,U.8)P@-]X*

MX[$87D+;RSXH\$/$5%Z:WI>8[+(W\/;6P-55X&L.39N5I?L&\!N<=""6'N8&%I,=!#)\GDYR/"+1,B-G(]F.'Q4TCJ<,! NY1 MXX#'&-14, 8:LH!0\l.8>]MJFIB&(8QMS)\Y%@"7fV% (}U(OO2O_DQ'F8>1* MO2&]f.:&K#IC'[_"#Y<;1>=3,44O4+@LT=8M(=@L*171Z"9.+5G8XA*1V!] MLK&PZ$ $,.!D=,">$%]C5+,(VX<);ME/2(R*:.80; @8;%@8K!0L$+U_<;X$ M#•VT]YQA5R0Z?ViUPUD$E8,3Z/6V:4=T%X8O"[S%*/$;ZA%F(1BI) F"H/V.(MAB^4VHC)7K,VR#X$SF@4(1tQ>"#[-M,TADS*6QB%U!]'10@8OA46QL[-A&I@HBO[ETE:0"#MB,)WW/R,&!}(9AOXYQ MY!#6]+0&R=H;0-48NI%6#:,0BR;8$\#B.3Z5X# 67[O-!4@ MLK<#0OAF9+W*QFKM\2V!NFL3 MQQL!S6(@]AX#9X!4/K72(7?8\QVKH=U1]Q\$F,>8-@THD9390",(M1M2B(X,2GPR;A89?"$[P981.3TX(_?XER3D_L;% Q8=E$ 0Q1H@0 =F6 $;__MTZ7^A>1]+[SB Q@!T=#C@=E/S-V\"!8$?#9R7F1I);2(BQV;97M<+@/F=/K9 M]1;?H X>-9Y1V?@W_@Q+UN5\:2,_8_/09:.L55HI-IUAA788X4>#IK K_?[:.MO2W4HD$"-BWD'GI=..E:,Y.BIN;JG%?*IJP+IDA.8JD=[H!R-]^9Z'W@\PGL ME\@7H%A'H[-^HKZ:'D9E'/5-0F,TT*H2=LY).+#@)2>,?&'\6R;1=@*#B#XY M(@'J.-E /NO,):] ^*N50YU%NK,1!^,^"8I7'P7 T(1ED5]/=,:CA#>QC1]7K:MDF#B>T_A5+/@=F9_&@44<:(Q0MDS/%\D(4M3)$')P4)BO$QG!!9R03H$4],)T-(WZ&:Z,A9/"=NJR9RS\CF:4 ME5V6;/K_"9(F(/00/#OQB$OH1#$>F!]OLKB]*$'P'8QR-04^C^^P CT9CWD7V8 M+U\EATA^)[-!?NX8R/FA9O]P=&W^QTVBTV_E^C-[Q2H<4I3KY1]RQE7<]- M1Z A%?TAR)62_2-$/64XU>.#D#B!&1M=;HD#X[79)61,Z*ED(PQ(7 MKH!*53!H=AGJDELT5)2F_M6&rO]R48F+LQ?274(L3?16$'17?28*M=O8D^LO M"_A=P>;KK@R*O2!*O0+L=2(@*Z#TB>[3):GE0R'%K@-)KMXE0PHQJH85?!I2 MO-U%Y1P+XD?OE>(KQ5>*KQ1?*;XZ-[XZV'G<#W'M=,[C!UD\N+\#>;Y(T]WB-MHE&&S'1UN5_!D&>8H[THVB]',M-W-<7$;N;H8W M$_[#XML)S/QW9-/MP00QX<+@Y8U&4;RO,B"3JRL2"E(IT5>GL6>W6<4;M><- M13<4;ZS7&T7!ONO-&ZJ-4K4,)&UP\OL51[*EI@Q4>EY*KO D-_JB6:WN(TJ M1(8.::BC90GJQ5#]1M'N3(JA%$-MU%!%(RS%4(JA-FHH9?(N<Y%(TQF67H115X%Y_LV2H5N8+2,5OBJ$V,-=2>E%A_D->%HQ MU$8-,=5>E%A_D->%HQ MU$8-,=5>E%A_D->%HQ MU$8-,=5

>%=)Z&Y[-8X=A%VN0[L-?A%PLH&=C1E-Z66E30#L8$&A;CL(H$ M]@+4O:,/U&.BM_M,EU,:U)CG93/-R6%XX;`FM]$YPA)&Q<%O8'DN)QNTY#%0#UQ8/[?*

@CS&OI#/6P<6^GH#"R-W?*BD5PA[2<*WRTJ M;O(U?"#KS9',"S87);F=G6SOLNXF+:\P;,!7+GH=VE$]!1IW[A\=TBV"\4M M(-BQX)^I&FQANM3:?G^_UPGOB>^_,-

\N57\IQ?/M,_FI2H+,8@+U.9'-I^@L-`MZT=_#GZA,&=KGIWH4G=B1E(W,:<)3_F/*>5Q>F3$PX-%IL\5;D=O.7<.D$X9_MA K*U1!F$E\^D0M'1>X8F>Q1=Y21^=KXT;$D-97

6[7XF%';.!F$#, MZ[281K9\7\3,%R4LG A.BR;B H T7=!T_EJ+3^L>?G*Y2-`NH(#D8C@=D]0Z6M.36 MU5]K&L;K;,B'"%8O]!1159?N1+0 E_A6UO!'@,N)LR7#[9'P

+ORTG/[> M;)LV>2>,';+ETHU?'2*^$[];.*>^C:^/[.[BUZ/T02]T[!HT8>+]ILD"ACI+ MJ IX ;9H8*|^U-92)+.GG"]>CL%5;YAP?UL!@/" 'O.C_4CL3&=U6M;<>M MXN[GR,;%SS4-

T#6EFT"ZNM-P'4,?!M0NV%SSPV7VLWN#J4G8!I J,=9R)K M>L?Q{JQ+"#"\1D05H_KTG3 W.UDM5I[BP^_B 1_-]EU9%V(U]^\3QF8[JT MV9J*@IT 9[B

,>BM;WL1)DM^9_[\OYTF]6BFZ819U;!"I^L9MSX,6A8LP'/0<M0*E_N8D8T:=[2C'U/,^C[^OHO7P\[CJTWRA]E5AU>%9-`7^UA%^-^#AO,'+4 5PF2X%H80?\+HC'(GB1]$\B9?

T.N1T[W*M=",>27V*YH")] MT$!(Z$$[F81QAH5D#BW7=CA;<_J0|474R!3'0HD&F/8"E*C7$RPC.%HE]WKC M7L!]_T-T_?@A>=3[\OL>K'?/Q;M0 M+&,I@?72R(&=577FN?

[;7F/G#=)LEA3+8K6"90C(1U5Y*.]T6;541E[8O\I"=$06**X8L7N/!ETR.5XC<)1F<3:W# M-E\E:)"B;2<\W 5Y.SXT_RKL]E\.?YGMQ^%#(3 M; 9)VP89U6(MV33VHI)D-

MN;"$(IL26IM4#U.RI#!%ZO4@TV/EF**@ /"F5HAKTX?SC^.$BW>$21ZL+A5 MRH /DNBQC$P>QBUXDYF/,I=D6RN.QZGLYTW5?OQ@#V.02P1I-?[I 4,

MC*7$K+0261ULS3L+K,%D+6D01(<+XHHY5L[## AM P35*2=N"A(M032 ,W@LW+E+!.0C3E=X&S+M$C^2;7/DT'$K ME#3;_#M@^//+NWOT_W<3Y'V27D].R/A?

TKO(:>]_XKM)Q[8?_GV-BMN5,O] MP /_C@2<*C2P%*4EU\"CBZ!4O7QEL8"+R:?(+$K3NKC[*^3L+XT>_6CZ;2TR M?ZTV!9W[34]BO$HYJ2"!V5Q3801"*%C L! D&3_"-

+_A;+R$(2G'5CB\+P;/ MQ_6&BO3116Q$=$[:.)O'HY&@"J,!+VA:RSS"H>-.G_YT'UV15>'@&;S=$2[_E*C!"'SN=*!H?Y3+G -V56]*Q>?(?8%D9+:,QU2T>TYB=,<+@0=HJC')*YPEQHI,

MQ9&':SFHQ"($@02[G++T%G4TK;7-)G0]$Q72.S(?O&AHTE=-FY_=&IHX# =,Q*-M66"FRBZ)!B(6!!)IQCGIZ?>MLVFW.|\-PN,#6<)"S(W_;7D|^A=SL3!%&)I"% M=)W*7D$L-

,I0>ZU8#%[SU|![M*H[=I_FLT)BM/7]_DK5;0<,BN9& GI,_'80#5ULU9"&,2THZGUL',_I9R9"D)?7.< M,B/"#P2&@QSJ7^L+'>'=NWZ=+99S7(fG74CBHC?!KQ-.T@.+X5'D;$($U%*!

M3=!\41G"!9QNQ=0D:. MVCLL85"\)7_#1+8-?G>*N%RTO[YVY;/[NJS999+6K-F;>+6?1'Z>S M'<%^L;Z/&Z$MFBQ&#*5*47*-.*#Y)"=$I%*4DLG6C;WN4[%_ML&2 (WYQS"?

MDM>|<>)72ZJPR"/,/9%RD\7)D.4N(28"PO#8=2G2L B=46X>\%)VY:>TQ/4W5 MD+R?/,%Q/Z6@*4O:U5]D.EZT&V'R:QCG-]/7X7R\|#!,2FF>S:,<'(XF"!24"

M,%52#:)I"%ASD+C5)/9L2;%U_/AIJH84W&H,E<8L:7DO<4G ?X,)"D>&<<<4# M4[591E===SB#6[U)";P)GI*O;I_O=IF%(=GAC&.RUW>WDP[6A+ O0LVIL2Y:EV>|Q@M6Q9F].LF-

09)D_UO5^%W M;W$[WO?9XF)@H0"J)8)RSM9B;0>9,*>><;NJ(:&W.MD&R.U27EP$EB*6>YWI8=V(49FBG?:\;NE4ONQZ9FQ^UNFYA1)*.A2B? AIK7 M;U6

$\.*R>)K@"4YW5I?WZ5AV*;\P:&R%XO.V7U=U??Z^FTY*D(&+F0$R5C- MHY (KG@%+!N.!H.KJ;D+>).)L':YTOR67N9HZ23YP/0$92TI_1 1]K@4HJ7 MNGE#H'M4##$E*

[LJQ!\.NN^]VPT0R]=A/O]"(GEM MV[(5F$,=+L0+ ^<^<,0C)D;T"2=9:Y-H(*&%+YHAXKV/&D9SIBMB)BW MI#F),-+AY Q?KCEY%F2Q&F+.KM8X%C+&4$! (-RMW?!$;P?

T:_0,*5#1#AS- M.-"PG?A'>O9L_J4V-*>G6U8DAU)"O: 6),0BM\#01.,S1Z';SX6[?OZ0.D*T MX_G..]R,QS^/0QQ/QLLQ7BU(BY1"X(2P+,@D8:;&O;("S#X:'H7+K'42RGT] M&LBS^0KS

\N30@[!Q"4LD)*54P9B$<* M-6! <_WV;_C2..CSD/&2H.PS"=1LP6*]5T6*0ZAQ7Q.]ST6@8]%U#\FOD#.D M@[@])IIHPD#0_I5RN5[\>B D\B8.[2G",H2.0)YA0T@1+E$\]Y1!*7]

-*M,2RN!S!M;D&YQ-*Z8O-A2@8[""L Q/Z,:)L- M>F.U.-^A)&9/(S@.SUI*A&SA$1D9JMDHYIDJ0MI?DY >I&5* H%=P-&+(T.XE M&;DTE@<<%R0A##[TU$(S2) !]R#)+\))ISN)<\;O"A5^

=@=-0/H#N19T1O+5 M'(B;!XA<;8,8(K,*D%4L:7_R.2(&K>&1F!RSK]P*$#\D\5:)X]J6!E@VM=N?Y0@_5]+ZYI_SFW M=+BB3+$V\! 0!0EH-*D(A=FT;R$T\ O>K3A[+

[*Q\:.vC!*YPCO/EEN@6:<<< MU3-X?E$B.4J)3H:7 0*OO8.")=3T,'D=%YT2DSZV/Z2]W%ZAN3:->!^LZUO MWN!E!4FK)&%.Na8'EMS%W.T:$.E5[3$%@<F?MJZ3TD%ZT!DW?;TI:C?6^-

G2!D M777;O*+,1DGZU6[PWC)0+'D(*3(HSBYCS^R1=0W*9&@"A.ZO:!F\N MB+H.$]B40G2D@X0H=5(76@BBZ*J7E,K9UM!Z?PE=VX5L#GN%NQ<,]M_I_MS= M*V".%(%-^3I9@E

M/91'/_&8_GO:/KVZ1N72-5&'GD1FX,F=8 MEO"A>$,VDQ"\WFET R-S &{0)^:Y+:FY'_(445NZHOW6-/4$I7L>2U-.M?1A M$V+NYO+ ^/"Y$U6(UKTI/?]73W85^>)

(^TU]^4+R&F5==:'# A?9.&RU\\TD; M3QU(U)& V4/AIRJA>\/,N3/"D/,J.C[SOW&5.\^M2(#?.%W#55!#4K66N(:MS:D;5*^C8RF\-KSK#ULW1'GHB-.6GCS5M2,R3I"A="">>5'"%?

LS(FW?+_0H] M@RH"Y{!M!M_>M1U-8]HB?.SFZ2QH$*(10"BCZ2&E8>89)6;MHC,A!/-"WPV-M(FQ(H8"CZ;=]&=;T6.Q.55(WJG2)N^(+@//'G(6DL@34C&5*F==

(HM5B]+UK0V73:G;DB. ^_.'MY|[LQN>5X.<;](GE3,;.)2EP1=HVU28_M'XB$]-.NHY?;IT(N#EU0XH!/!]X M[LO^9O!<+!_&DW%SVR72O#;[:RA_&B_/9(DS^-1^MSNDOZ.?

4I2H>&Q=?;?\5<]H#2$9W2!Z#"WB MD\C6.0.<,ZP-XDC!U7%LQ0>=/"-+#/M*3!CM]5QB^O2+W@CO/IZ-C^?S2\"WM^' MZ3],/DV)N1TLWEPTR\LJ,I]-

AYJ!SZ;!,1H(NC$400N4O"M?;OM*P.UWW[M@NQ^R6%O/&R8X797GMTO(1^EY$QRM'1F0TVJX20)'&.@@[(Y9!=9:IV,OPE=

M0W(D#@2IYNSJ$4B7;38J2_1@PR!:VFM"\UKG;]*?)9& M_C5IM;.N@[/:\, "5P)K6%4!IC^"1+"]I&')G M=4[-&R%M1-ASN-'K 42-.,8WF&IBW.CZZ6_.SL-X?E7"-,>\GJY(=C',Z4TC

M515IS(Q-7]=PT[(A8&" /#@3C8U!/9EZM^4SAY2$VS-0^N1&'S-1+2]CT"MP MHDY_0B[&4ER#UG@]7@O<@<@\EO,1#WR?5QK-;+CUC>OT;D&9D<+T5T<9QHB MU])S53-

&B8L!L\B)FUD\P&G#U.R"23LMP6)!BQI5\QQN;.?]XGTMF[R2:%E M=_F9K\YJ"?X_NZW[\?-Y38(><3*,,#L$&Y@$Q;K\RG6$+W+N)2N,F>:->[>D M<4-

(N6\+4KVRL5U7C[,PQ^]#ETI_5NGH2!H%S1B92PEL1@5*90[!FT(_ZB)S M'7W@L3&D'J9D$^#X.PLX#5C2QJ"]"=*3IC-@K:L6\# (TWO0T(+@=!SJ;KF'TWB&M6OE\M MQE-<+,

(TWTJH#+>2=4EA%F40D.E2*^%J%,C7TDBN(P_%^A(V@L@>1&P$H&\E M#]M0CK6SAXG@1;48%R>B@=>L^K,:+TFK02:F!T=;3E%)?6]??U=^]-M62Q6Z^#V8CD2QB>O P?

+ZBQH(,2&6<@L_(<2[RMDYZ;$;\1D]V#CP0]G= M1V%]OU<77:?3RU'FUTV!%Z-8//>>E!=4-QP#R']"$8:D[PK3]?6*5%;$;@1 M K_]D'0K%C:L\CZ?8QIWFT!?3[#CR33?-

!5&2840#,EK+,.:BDG2'K@('"46 M)2S]YLV!-Z%K(TP=*OGB0)!]SJ^FFK9*VY/L@_]5BV#)TN2E#_PZ#(H2:AV MR2((K8/-4B'+S<-/CY.S$6Z.76O2AS9LP9X>]5LG$:]#&S>N?+-

D279BD(Y M$HV>6X@BD;BW/WQ;UVG?5N^;I7;<35GEM<)H55 M33PR,1D2B &"T;0+1"PXF\GM#3;IF&(@YZ0QMC:E;2-@?6/1\E[XUJ/0NAC*.M=>D[7

1<+^\YB[X'0#"TS%BHPP5!"]>'1<8@89#T*U-OC'N77YM0NA'BW#>F M&@_U!X!>]A4)6X189H2.(]5@< . .EZ[R=5>]#D]+\DDXUM7BFIV;P\M\\ MO/9E63,T.1#[T(&<"&L-

8*J3]PPDKU0S ;]$S+@+*%I?6O1[;Q+/$-Q*[YXE7 M!XA374SD&0FGM$$E@3!LR!T-'GQM7VN\YUPY]-[U+XWN$+41@@Y517KT<-0N MG#I&X;=G*'V-

O&85B#Y,!J+5";PFKT*J(&]JW:AIU\+/';*V+KI!W+5ZR=)% MC (Y^/7%G"*3@U9+QSH+]S!PIUKG8#Q&RW.H<]@7.(]UZ=B++\U[NKS%26U,

M^'Y&YL/OX^5I,9)/E/TTFS]RQO.)0E4V1F(V)E!:.0C*%DC<&E92*3ZVC']L M2NN6E0_?%,IZY6LS%+XE_^CR5-R<-$5GHFA%Z ?-I* SD3AYY5;4=!*-9,9F MR5MWCGB,EN=0!-

$:14WXTD/_J5_&TQG9KU\Z#*%_:QCQ& 0/YD..Z&I/+$O(MU21$1;.JU!&-S<=%?)VBYU#QT)?<:<"C?KI0U0DP)^===S>Z/GW&>QK0-H\R=

M"8Q;$*'F5AM'GHZ)#DCZF1@SZ]!ZI,/X$%'/H JB.7B:.JGC]!3)&&X++LT8 M)9Y"(5D'K.N?GJ*!4!MAR9K>H9 S5UH753]!*S#.HCN@3+!LSIL_>YETCOG5:

MVI\MTBGDUP5GVA;SEU;SK_]UND_I__?]XO+T!UR&;61QF[;-&ISO_*P&7<[; MK+-1J_/+!$&R:R,AKA+U%M/LPW3\]3T)AIL>/RSAE+!XL:4HN*;_6D(F

M01Z2]PJ44592)X,%K+*T%%LX+45*D*)D[5/)H7F&:2|+&5)WO6_U;.R&FD$> M@-#$>6Y?M'V)=0^]6|ZT>CR:8 M&N1IN7&F==;/2I[XFB09^/QV5;)6U^23> 33V18UJS!G

3H4*1#]17W05XB>XTT.U1C MH6_UI+1!U2 /S.M[L>U[Z;81,7(@?"B=F5*"D(P$2R+HEBKO#%#OCYY1"(#D9'EJQ(F51Z M-V1__>%5#:M=UA .QT 1-3PE*"2NSL8(8THDZ7-],6-

A9"0.A,02V*(O$@ MO-3LX.IA$\]U9YK" =C^ #]4YMT;9@+^B9.WD5:+]YFVYLI41DF%],=>/]A M*Q^N+8#P.D_0]6RZ&,>+(4?OVV$G&N#D5"\,%&'")<@2%.*0@S@DICBM R,

MBZA;M[DXS,I:RZ@]2/Q*0l,WVAG)(L2:0]],/01*)H)69%XYZW**N\]F7B@> MTI35 1Z1IP35\5'4FQ+?8VD/R=Q$5DCR#)SGO,I<3S)7;\#0-^E=[$

=XX6D[BID^:|'1C*7.32ED/$SULL95 E MEP, ^)$-"U!#UQ&_^K$V9-!^'K&M?2^,2Q)K+))/@CO$2N#-'T!6[1SN.F.LV ME*.P3/0.YU#<3U=R7!GZFOC.]#@VG(+(7H.VB-G?

@B&E]0SD._\/+ M$/%_H\ZKQ2T '6FFF;<*E-.9-*1A9 H&0RLT\SFHFB\O' .+W*=TR!>U?5B<_M#$9]-JFH??Q)676->FHOL-6R^\19^3XLQBG4+MF3U1+SCV$^I=5=O7>/7A7[

M/K)!RXJFJV[4N>+W]N!A?O61@/P!_[XZBS@_*1>4=(}?G*R6BSH)BV@:(=-: M*=T3!L%'C!DH]"J0JZ* M]J-R |^ *M1C[D/0K3,@MR)P2+=@?

6+M7K/AWKC8MN]P%=1A0M+@;#9=$_=J MN9R/(\D&,EW>SZY)E]T.7LU)TWS ==S3SPC^KK$,9L]638E@O<\@"ZX_I9MY\\LJGQ'V'6'N%JNP%

M>"L,)$2#7BI3@NQY+QZC,4B:N5>,W1N0TP?S&LX3O+7T.[22Q[4Z6W4-CO\V M)W/^M^D5XLO5,SO?A\T@6QFVI0U5I=0N, M9L0/JH'U0=%Y'/X?55G/RB]A>?"2K-

Q]^\WCV9|>WY:&OZXO?:E)^W_J+", M!&OFR'N1(9?:R|]#D%)"(9,1#7WENK4KL)NF:[T'USRJW>,'TY,I_c\,\Y_" M>/Z?8;+"D0M1V\02&$X.1)5+3"6E)*68A8IR,;

<#Z33C"H5=:,,]:ZU<^PS/)K/OZ=A,/,V80^ MYL/|3SCYB+_,ILO3!S6Y,H9Y(<$F6;LJ=]74]8*0IO99C1GHUC94\T4,^3@W M1>VNQ[H?,/114EW)GAL-

IQ<7O<;#9'WG$FY5\5R\,=.KM02(N)[#\NIC9M/P MMFI,_"(BN8^1=3#:&IA@Q]G'1J;9%9TWR+NBI(YYG7;TAJ3M!RO/QQ^)ZQ_Q9IJB*,+0621G76H+BNL:3/<9

MC$!NK,ZLI;3\AXD9$ARMP^LW/=<]^5&.^.H.ID/+J*ZI'E(1(XWIB9V2W#6 MB=H 57GO@&SRI=R31XBY6!0RA,B\SQ%(EWI0(3FHZ>T00"HN; B]6WZ/8LH M9!/4[!QNW(9+#

<.-EX?V(O>U$"<=%QD"C]T<$0U1[@<@%&2]%A7/=NL/Z7\]&.M=$'7#R;VO4^#Y,WG[\>8:Y?*Q4@Y%Y*LV;M<.MU6F)TH-C[%VD)1E4@676VII\F)

(A.8Z=^7[_CG[O36^8'W)!R]OPB9QE$EEA MLJA=Y6R49,6E.E-$>4'V7)$)K)0HHTBE-.\8_2 A0U(2[=F_\Y:WY_[OL_D_ MWDR[P6.+BD25)2===9WDVH(HK$&0.X(0]VD;N

_SH=6C&|@7O>Q^NYC08X^MV"0[DAM% ML&0RUPK.(L 9#Y5M"U@;3_O4VB3Y.D7[2]FO?/J-[_*+2&\'ZE%FSCFR]P%%_MI,,D2P"RS_QK4TWS%2+2\Y'KF76 M-

.;'KEVHDN:9CC!!S4DIF"#):DMV20:R;A<8SI@,RR=)3PF]O*@:.53M,#G [+ MIF8VUE'7"5TF=D!1X6<5NS\9@BCB"$(ZZDTW4XC$LYDC\=_M9&UU)\$7'S

4HV7S:ZH=21U20[A!@6Y(1AX)=373\F:*Y2A*XT)1!@QZ#JH6 MJD3RJT"IR(6/3)=X7/#=I7A(T8'@\&]V-I[C.X!@E^5) <%\0]HRI;?7Z3GC"[KJ=9RL5Z45T'(;P4*+-

1;287:FNA"KG,&B^]-FM' MZ4&)%(%4'4+T*;IL@I2Q=0G5)G3MJ$POT:S9/IM<)86=FB^5\U26BTQ-^G=/6 M?QXQ9=$6%D!7A:YBUA"M2"

E5W7^I4#1VA'=E+8A13Z:8^FN6NR%86WA&QR"EXJT,P]%,!>2:%Z+ M^#15@[J=ZAU#C;G4+F?^A@]NM,5E37;M_=T(TV?CU=E(<2F%,Z3IBR^U^TL=-M@YAJ^,

[Y)#C3UC,/G7^*$$$US,\=.VUYU#!7[(ZY$)>C(@2S-C.PR&NKH%KW-M@9R#]#)$$4*PJ7VBV#TRM@P9/-XI,N'?C/+ZZ*IH9-O\<-%0\GZ4M6G/I%> MO9[53I(KVH.3\XNFEA?-+&

[\Z5X)Z\T*T>);*GWMN.-+/-MR;GE_%T1@KNRR44 M7J5+V9N?4MM*+[_\@O36;I1P6HD45B1"?)>*"3<;P\!'!*ISHC6ZULKE M@.MKT*MQ:V#0-XOE.(U2,:G)&@=5=<@)5O(+HI

7%/(^!&65$ ^XS]G!5-K54T 'C&4A%P'USH M8G=]AW0Q^PV#>1=L!]HDQ+# Q?O3KLOR;Y%QL$"#?]I/;!7!*!SHC6ZULKE M@.MKT*MQ:V#0-XOE.(U2,:G)&@=5=<@)5O(+HI

M^C4=F;RL0OXWD5#;YB8AJCCT()22+@F&/K4&\'TJAJ2+VG!\SYUNQ_%5G%0* MUAID)+TKF5D$%F*E(7/P/DG0(7 M69%>M[!3ODW!H&)BC5B]^Q;WK^C?K"G^+9S13_+NNJY$!

<%N@7_:4^3)"=&1"UB9[M#FNGOQHK:?(24ML;!U<<=>3DLAK159,AKJV#E0V@4(A7<7 M O6BW3/3O%KOZQ0-R6AH@8ZOFQ![\:.96\

MCA"B$$JKB$:V'@'R)%%#.C8.B)0=N=*_BKIH=OAE;SUTIX.:*9NO4MC,I5PL M$!_AW<6\B/4"QQIJ5CDLD-QM7+,I01.VP1&$UYDX(-U-?!%%!*;"

[5!Y:A0GCZ&E6@1"R&JN\0%3106;(V0F1K-+? MH@J[\9RK"C!GBH]DJ,L2;2M<;6\]+=E]MAC$()CTK1W&+4E\EFIK&X1ML;,V M9&$SA,41D0\7N;J2(@LQ@I=.KR?

^$C6O\L1HPU9>-,Z^VEW.I^EVNL=??IS MMDUERZ8{(LF$12H))LBNZI5#++)8!(D^8HO."LZ=4YNZ/'U)Y:*^(.A"' M#BO2B-

1[%5V"B^*LC:!4H2]6.Z+6.6"QH!.,HW"MVP+O2NN0RD2'(|V9>K! M(7AU4%@-T-HL0H&B2M@=0A2L%E3D**6-@59P1/-M4WEWJ*K004%N)R8>!6KK

M&NK,&?)@'+@ZJ$!QSLGQ):JS2+OK>O\+7Y_7F=LW#CMY|0I:'U@W,4DAR MJSE/C!JR*/0& 34 RE;_^IL%$AP!W_&_LVVJPDJ9Y-#G[Q[>_?_P)W+?_^]_^Y5_^]?\!^#_?

MQ__EFQ^FZ?P,)XMO7L\P+#[_\\=H\>F;Q2?\YC^GLW^.OH1OWHW#HDQG9P#_.MMOQGKZ>?O\Y&I?\6WP@FU.ICJ[^=_5T9)K-$#L5X#2KE" YM@B*R<=[(9 K^

MOZ=_=XQID[T.F 0#}3,#[UT';R/7#I%Q^Z7@ET^>??ZR\QS/$;6MYDOOSC M/[]M\Q/_AWC6\B/4"QQIJ5CDLD-QM7+,I01.VP1&$UYDX(-U-?!%%!*;"

M^C4=F;RL0OXWD5#;YB8AJCCT()22+@F&/K4&\'TJAJ2+VG!\SYUNQ_%5G%0* MUAID)+TKF5D$%F*E(7/P/DG0(7 M69%>M[!3ODW!H&)BC5B]^Q;WK^C?K"G^+9S13_+NNJY$!

<%N@7_:4^3)"=&1"UB9[M#FNGOQHK:?(24ML;!U<<=>3DLAK159,AKJV#E0V@4(A7<7 M O6BW3/3O%KOZQ0-R6AH@8ZOFQ![\:.96\

MCA"B$$JKB$:V'@'R)%%#.C8.B)0=N=*_BKIH=OAE;SUTIX.:*9NO4MC,I5PL M$!_AW<6\B/4"QQIJ5CDLD-QM7+,I01.VP1&$UYDX(-U-?!%%!*;"

[5!Y:A0GCZ&E6@1"R&JN\0%3106;(V0F1K-+? MH@J[\9RK"C!GBH]DJ,L2;2M<;6\]+=E]MAC$()CTK1W&+4E\EFIK&X1ML;,V M9&$SA,41D0\7N;J2(@LQ@I=.KR?

^$C6O\L1HPU9>-,Z^VEW.I^EVNL=??IS MMDUERZ8{(LF$12H))LBNZI5#++)8!(D^8HO."LZ=4YNZ/'U)Y:*^(.A"' M#BO2B-

1[%5V"B^*LC:!4H2]6.Z+6.6"QH!.,HW"MVP+O2NN0RD2'(|V9>K! M(7AU4%@-T-HL0H&B2M@=0A2L%E3D**6-@59P1/-M4WEWJ*K004%N)R8>!6KK

M&NK,&?)@'+@ZJ$!QSLGQ):JS2+OK>O\+7Y_7F=LW#CMY|0I:'U@W,4DAR MJSE/C!JR*/0& 34 RE;_^IL%$AP!W_&_LVVJPDJ9Y-#G[Q[>_?_P)W+?_^]_^Y5_^]?\!^#_?

MQ__EFQ^FZ?P,)XMO7L\P+#[_\\=H\>F;Q2?\YC^GLW^.OH1OWHW#HDQG9P#_.MMOQGKZ>?O\Y&I?\6WP@FU.ICJ[^=_5T9)K-$#L5X#2KE" YM@B*R<=[(9 K^

MOZ=_=XQID[T.F 0#}3,#[UT';R/7#I%Q^Z7@ET^>??ZR\QS/$;6MYDOOSC M/[]M\QQQQ[_>S/;QG';SDZ_$XS}EU:?_O;RXW_>^_P?7'U#Y^BT=[=_"5] M=#

[Z^WSYIW^9IK!8*NC1)7RS\1/U3[#Z&-0? 1<@^=_^G,=O_^U?OOGF0G)A>MEF;3,;[*\LWE;W]__^8^TM%D\5T>G7UW^9GOPGA,B)??L/CZ8?_Q[7QT[GF_MJY]]FF'9B'ZUY

I*5SC_JW];=SMC^D1 9ND(M!/<5(IWA#CNF_?'?/5=T'& M$L{'BX:([W]W4[S3LS!J*>>|[7]T [?*+X S/(LY:0KWUO3=PKD#>15B_3C*M&#/]9CX=CW+=8#\LZ->ZX\[?EM?

3L\\S_%2E\@7? MT#9]AN>3<)Y\+G'5S,_6R2H>S"SPBUA[_:&1D/HTFHI%_4)_O'QJ7=-@`M"\8_%TA?=K&3K6"-1^G6A\9U'YU>*7K<(HZ7/STYG\-I")/KAY.Z\ WI-OY

M21&NB(@"M%8S<[S^Y72R(%;_.%X^D%Y?!*V_V94)/^",S*_%\GV:TP/K=[X?S?_Y MZL_1_,2;P@@X!V95-,+(TO(A29#%:N-L887[QKQX"$]#ECQ@"SS FB>H>=[J3 MN-?

QIQD5;/[=S$);?*1_^2.C=*<$O=Q-.3$1E/K/B':.7$C/1]I M8'":>/1&53\L<0_*&@4^Q@",A1PM8R[E\NSI<@7PUZ4)?(+%Y,2T>|-22%^M\ MB(=

(L:ONIGT\.CXKV'ZL>$,VRDSP8_=T@'[X(WR^1.58#-;& B#6!U5.8R6!N5BHDIPU]X!U@/7L2M!9]#R_!V\4GG*W!69G[.LP__32> M_O'OY$_O9Y)?_>'W6.@$>X]H':,S41E=A+9?%=K-

:%DGF$K,5EC0QI"XI-&T M?WERNW0{J*4(P;8.MS1>PO"L:TZ3Z>'H^! HNW$A7BJN421P.3F"[^G\#K2N M)",M0LL4,.R;K'_1M%_^]WB>HZ).@E^;_Z_/9#"?IZ\=9F,O)DK>5G4'4CC

M]WDL^^3QNXO@"BUA^,EW4Y(B+D:SI?7T/4Y{J8MW8UK/&SA(5EZYY1S'IS7 M!HI.61O)/1G_,+R99+L2=]XSQC=H]M.?OJ?UO*K=|/94A&+Q6P4SQ@C(K@.!9@0IN,6%AVK7-

SC9=PS.YX M[RKMP# M\`X)X45,^O+0'M$HI/-)?"&?B'+E4>=Z/^'Y'8Y-Q\R4K42]T9;ZU^_NB(9P M_/IE6]KZK^FY<-BFO[Y:3JF\YY_,_ST>+KKO5N6S^F297;;HOKK[;-:\R.

MN1K=D)H(@($'P/QS;'DCH6.)W4EVU9B>%8)%FD!$F2KZ&, M3!!DTF`Q6!Y3LD6U-J ?!'0@U;*7H39W86>]A_CN8+E/N74#U5->Y%M/\

M"MH:*F[;E]0'HT1D*B1D!A3S&50,&9Q@%K0OC#RT@CZTKF$;D J/%*\-S81M MA-U'?4J8$9;+6IF0E?5<&^#2.F A&(B<[&K!K30K,,993:EVA'L_SC#,SV=?EY NT%T#*\Y% =(H

N8)4]3*@2C!.LZ+L=C: MN-L(YAEKO(V >XA5OLIY*<,P?A=&^7&&NZ9X,6U]F.?!/2,&=|.T#W$#]_C@H2!^<,R>;7V=;C^09ZIV!:'M(N]Y*Z?SL?%Q#9YMR?I= O9S MA14(FGX7M1

^ZAAY,)U:>C^SI>3=@YE(O*QRQ\E^>_]],{D^'^9GAN] M*G.S#[J;)GK89^ZO^DEE()G)R+!:5C'6^^4:P9$K#?6EBM$%C+[UZ=0&^7*$S M;P_:[<%QOG&/S&&42=+Y3BX\"<-

)VK\E'6V4$X\EA\W#G'B_D#!-A?T++$9W1'S#11Q):`?/DJWN3=`VO2&3LWRG:@_87&T1,D26EP??(TEQ/EK08F9?1@DO M5OT>T_3T0KM+ 9P4GG)4JD!.6%M1)

F>.PE1FFC(1%&BM'8A^E[3<=/YH!AQ MG_&N5S/@5C;[/8Z6'SNQ)'IVFZB+OJ%5DPK (B-PJBL Y>5:L#623< [*2@$NZ@0JHY-.BQ3-0!;F9I ODF6-=+8F MGMQOVL%X%*

[R)!=!F#HGHI.PV3T?\L3V_2T?=A/H/RSMZ&!W_RY_^_M4(L\QO.GW)WJ_N6[WYAZXD)YO"=5UWQR\|&O+A_]]M:CK_.AS#-C:\5#S-&# M$D!|#%; *63T."MU5N4QL6[IT*>^=1V?-.LZ=7J3\+YO5\UGBY/WM&%=U@.L[P48GRPAS{4WD@ E MG8//6Z9B5T!0Q/LE/UWOMF\>_ 2-J?Y4.FTCVH8Y{3M0+BN$- MNH#9YK94=WWOXW;4SNI8K}8=9-F[@F41(L@409A:T&L2[7F)X+'BA1,1F6= M>C@H'P2VG_O4S=38C1X[Z*"?5B)@06{$ZY6S+!E$U3K]N@{'D1)C9Y%OW$-;)L1> MI8L2%OJ6W\+LXFS;(07VT-?MGO3]#+91.\#OS^=$A?G\QG.ON<&5,)X3-X2I M-WJE\.!09,BE6-*E]D47C=^>A_#L;(FF3YC/Q_BVK'G*_/NO- YTX=+'&(C, M/()GF7:T&.DD+%]3CJ:\#'30QN;M;;?%.%2;P68\N6>$]fF4?2?-'+3= TNEC M9*5Y1!NC*/?(K$U>?8CD_EE4Q3-N8O/A:!N@[*T-8;_JGI970PIFISI8I;/&;X;OWWXV$AC#4QBJIEI*NF%.MXWR5E'/&UJI?798RHMUY\A*@M^.2#TYR[P#N-F7LL8;MZX%&;!$\7;<.;K8IRUDUOATO$j/?$@X",/1=,E(I.4M02CPPF100GN(W"$2):Q}^]*?F(B)OV.]D">@2Q^^3^6=.HS+'"?&D$=@'5\#S="&3XMTI6!DJ9I2;CQ_KT97..*/NH)4J$]365NP!.B92.>$@+C.K0XA0=6^P-G\E!: MWT:P/6F[CL--X;K5)+?)*$>^&49&!UG2!]+5#*RAGUO'D+.SAJJ^_?1AS^I&.M:EFCZ!UDVD,^]U6[^?F1/KPDL?1,%<,8&)T-*,X#.)T8L, TMR86R4WC@-8M M $=]K.\N\AZ:4"VOFGY_MQ_!J]FLVJ_+5@;??[W^S+OP=5G47U=PO8O)KH.$ M?PMG5V&A#FOJ*9#>QWKV$WO?@29WDW^'HN.^ZA[(6%O@RGI&BXF6:3K+C8+H M'&W,++,Y628KFH]Z>S:\?205<,"TW4:UK7,&/XTF89)&=<##8C9*2[C+XIY1 M6HZKG*9__DX:FK__\4J.ZY93+(*-'4%H4*WB=$BP+0;72F&.WC,+VSlY# M&^R]*WPZG+9ZL.4N)5*,#UYD:5,&#,Y_GBW;I6]R)QT38%@-)%KK("B2\3DK.M29E:!JMG'Y&ZGR3.'BR@%8YWY{/FB3:I5RE-SR>+T>3T1C^R$QD2 M6IT9*$& ^JG)*0+!>@HZE$/NT-Z5U%^).P(Z0$.T4T<-%PT?/V$U'[&_G5:QO MRT5OHE=?PFA&?IK.?Z=\N3@36 F5"+VZ)WW@3VQ2G;_>LII7K.RQSB+)V M;YDPF!6PG_HPQ*=B"B 8S(IU!E[3Z)9+008%.6M-%5U/)/%?IB! M&%)\)3D3G6-:.^#4]V+FO?1BF"7M>;DV(6P.&7$M0K,Z'K3T*?>+)!_3%.MBM8]"]!6?M6ZN]8UKZ-&O92I=P%X%]E[5NK9,4$-<'(?<%[OSS91OR#E+4SD:R*2H$LBM6[!G6^5JY7 M3QF2:Y+HI,Z/F546@$?@#.05"AC6':2NC#9@F6D[%N0C_1$!7D*.%)

*M3VZ^$!F38C7TL,XFEQ.1%C.JO@?'S&\R M+6-41M7@?D7P%_.5[%>3_ O]>#1>SF^AOSL_P_5Z?%;'9U!\DKX%1U_JOR1A M"B:3SQ82+Y8.V!I2N6=2[V?2B M>VIH0QYF42>QL^=.W56[A?)VR6O;%^CS&:5!'DJ^7!64A-Q;&D^J F#HYTW,N MP#'OHHL[-8S37M:RG$S>'!E]U"AVMLHLYP1>U*3;IZE!$?3PE04%ES,'!*5D ME8I+WOI.#9H/P1GL8O-KR923!?,;9XFNMU5S0)^ID MIV6'S!,C9&2N=FD70H*J:1!7G%Y;_]EX.G-B7RU5>EW8$;#\<(G0PW37MF_S MYF4R;>L19.@,JM<&0R%%R#H((7MA3$$>0[=V(WNSI%\HX_=:AA[FN[9U@1=A MXP M[^[F>!,$1T#?P]%@'_-J6R[L!RQ(3D5=V<6G3X1304D5@6%RH(KB$&V]S6:<M8$JC4*+U"*)>%W0$=#X\Q:^A16I@BT.J_M+*B)+Q4P!#"G6(2_U);493(Z!-M1:NTE&*PT.&C@>5]UN:-G4@]CFPC]."11UU M46O18KWTRE1=?*#_E5QK!0Z8[HN\"_J#T",-;_!D_.*/03K[RY-",%=$1QP M.6HTB0!!DCJ*],IK8I2V?@^YE^-C[H'I<@U-FV<)V!Z1LW,\^=&37)CE7I+H M+>=T-A51Q\\IX%$C4UQA<,.'*;H@/V(R'XI&U_#[IR6G%?E[=NZO#K(/V7H/ M6H.B$X<$.DLZA/:T$[\<_NY/HVOXVD=BL$4TYM822[UHDAT)7Y+P M,2KR@5TF!\$E'S)92KGUY,7^5W4$!#!0"[QA^9-3@3V\PQM6&)UDTCI?NQ]A M76&H4T.PS@\)/'H4>HI[.O[2'IU.P:[CXY@=?"ZWD=O+GQ=Q?5@]P05J19$&BXT(IQ8+JZ_I)ORL[-K(?.!76W%?6IWVW2G?54*6T+4 M#]+S5/L0:?(4G$VT7BV83XJED)_L& ;,"^_B(?+@:7L/C@[I7^!LN3H23"@O7 M()WPH*)A$.A=!5I(U"%R.I_\(6_1>.1%=(,1=PU9^\@4[O!6OIY.YB-"MOP7 M'V=A,K^PK4X2"J91(2\ETG>+7C4D3;.JHB),#.(.]K.RXJ;UO*]QA_.Z) MPZL*O1Q[<5Y;1(7$!)PM$$*B8\.9%WR6*;C6G#S"]LHGB7;-7G>^8=>M<6DH MT@C!,\A@EN$V TX%"\$DSUF,MD31D]*?4P?9%HQHIX@U=-'M>V_^,JW//^-L #W2NT]AD]7RSWKFGY/LQ"4SR#Z/Q^0+SCV$VH<5-;&X@?5M6T-Y=0KMFL56VZ&@R!%7H MJ%$.(0;& 7/6GI?DF&]]+:45]G:-/G=$=-%RT-),'K(R(&UBH$0@,]62)'5) M(DO/G0ZYL23;KF"H)]%F>[FAJ*#"_]0VHWNN/#OOL[_P'F7C/"U4K7XKH!EF M.KHD*8D$0:H)44GFA7:M.POVN)S]MST=GJ1W9YD="%EZ;'*U'MF-R3)=\/74 M5_4Q;'N:6'8H9.A$TATUN0_&U:[%**T&GV0!58=0.AL-L. ,JL 1*ZVO3.Z' M:8 _&'NN1-M&@7T,RZM#[VX.@]A7D%>SJZQW6"L.9/#DMP85(.06(!M.=LSD MM;+6[OT#<(9WZMQ[[JY9V4CP/;0#_<]0AX&LIM$&Y#+4=1)&\MJ;%&FYIA"8 M2+:S?%IA??<%9.,7;,W_>GB_FBS#) M)(-E1.N$HT:?;08MD%X$)7XX0ZNUZ MGU@6)63C2^NI3UM"?*%4!%.1/73NO>>5+G=OEUANK"004=56K.:#C\8# F8\B MH9)CQM;=!=:$]\6 YXD.?F*V-N1B MEN9%&AN@_,66)RNF8=O9K<[DUV$\?ONY2F?^:(OW=CYB0K.&>;I]$4C2!R) M?F=JP(+5)N+=IWEOS"^ OEZ_!*W]@OMF51U(;1R^/E6[L%%K_B1V* MHG9]Y.Y%44T7W:@HZD<2W?0K$K=F7T8)^X\MER7I5],4WX]G2_FUUSWA1Q2 MY0-DK1.HC DBUP6BT#+(Q)R^VUE]=\,JJ1+;E4BU 799A^"'+1YX=!(?D<;': M^]G8.G8BZ5PXP<#6G8)Z6)0RJF*.^A@<**XP'Q$F< 'IT#%&LCDWH(.Z$V, MW&7=VF;9 T$>*1O.#^{V}7T/O*A;Y-OR(8QQ-8\XIXM)D&O$&+EI2CH-GBD/ MEKQ]ZTT1(;9N0'H/Q"N;D,EW9WUNY.$>TCK?\ Q_=7ISSC!61B_FN17=85D M.U_4*X5?\,<_Z]EZ!=;9$U)O972\$S/T8/#Y EQ$BE+PMN\V]!6(^)*OUI MIO4@^'>S:3Y/BQ_P"XZGR^DD=5++)Y)2\!;*\)J>7$*.WR3GIP)F083GE/%@>~MP##+HLRZ;--MREBWYQT#*_H2;P_)!TO3^S(]>L\ROZ3K"7.!K8JU3X31H$@B M$*5W(#&8S*S)!5M?<>J&;'BZ'))/WH/V-AY6_0=.?ZLIBKI-H^/WOOFOL*@ M#R^A4;1S ^6N2VJ^_WJ_X.:/,,O7I$N%L213I+U&<5!698AH:.L1,FC.A=>B MN46P,^IV,0&?/KST"6/4@FR+)CP9&5ZP2 6J4&46'S*J+3@K4_O MFP#V'X80\JG2?FL8=1W&4 ;.@&S^.LP_?<#%XL*'O 2:A+.F-H[CO!9K M<$'1^12/HM8Q.*!^\-?PQ5WKKIPY/GX;:F@XAZM8AW$U-EZ_,/:36>KL<_"&P M,% H+/A,F[-EP=#?8=2:[42*M8\]>E;L+NR&<=TET]LOY0KG(>S94/:Q^J8FGO%>F4::># MAK<>Y\[/%R?LJCJ6?6$P.J=1U+S4CBC$3H^T"2:OK9 E18N=NL31M\[P>NA/ MUQ[/K0>^S CDTV7>%QO!^'?5=\.DFMI/-R! M(SPRR3.",M%7. C1;T]GC10N"Q.#Z'13>=*W!#@:]^_;0366&^_DJ3.SL\NM@2"+3@6RK,*M>I(%G"Y1,#BI.Q.&XZ7<-X1'W'CK<\!^Y2(K. DV/IH@)TA"(.F8:*&\FP]#LLIQ:NUOK#_]K M>,%5!'Q#8.P"]9R6;MTR-3#+&!IK\F$+'/1R3CN^L07:A3UH26UG)7D)>^ M0A>8ZXVJ'3BTCVQI€]K;EA\[B'X?>\SJ+@MW*B=+NZ DI(K1?AB\0;23>G:A+0/D_1XM/MX(,.L>\A M,^28"PNBXPS'-5]^O&I]L@AJ*!KXN39]P>6-A/.+CM5(O@>7AJRKVL1?A2C M);:)QY+*2B$;GV?ZQZ(EVDMMM%)#SW!;@%:F2(=([54A[<&SGJ*Z'94U$-] MWT'*?>\25[:HSD&7B7&FE:,&IR5&J)1/!#H8'+K_AJ#*?Z1.K0!]+Z%<'NM M?+S?0W65;%X%BLF89;2=D1DK/:A4!/@4$[A2&#=.1BU:UY5U1S=\=FYG96XL M5&RJB3ZN"3^_]++?I&<^M8(9QE")$,'5*U,"6QXEIHH[4,1753M:T 'C=S M=M-'XWS!Q]&BGEOO)GGT993/PWBYHQUC:@W8%DNN9.Z)?#*:#"ND,1C$BKe MJ?/Q(Z'GM0_F>9G&UTT,#&Z%E#UB=_C>"F/^:?1YX_3'R>+T>+KY1O3!6K# MC.^6\(;/"C=0Z$/TZ$$;?>\NCT".@F547H+FRH**-H#/FD.46K! /KEVG89B M/0?B/)"-WB]OME%"ZSFG8TKP^J'T0P3?71]725*K9"K# EKCQ\K++&3!KB2 M4F+/!/E[)DI(L MCH%AT:7B;&'-6^_=>/S+M$]VU4,/#:8OH:SBPAW_]!02NP5D/\&P)ZMEO7IW MD&D/9';H*RRP=!1WA$;722&1&7;4"1!0E"}>]:.Z(#*/B1H%<_^MU&E,-=_M)5UN5+27T7]W=K)RD5,0S-9R'G*4/1UPV8,W4D%,,DNL@Q5M\X;"W\>$-'1H# M09'=:N/NK(5>HUR;H'[\8fJR5[D)U@$'L@L4K'6T].K06=>(/DD;P3S@O/F M"MYQ$^9I6MC+#O.1=+!B-^53NB K"<'93.[_7@K;;37@1(IB+Z'T^@AA%QKCZP 8Q@] M0@5>2 LV8?QF%.!HOAR1=GU2 MELQ%5!4@5-1)? QDP%5O(I&YACOWL#>O87;!BS#VQNMI'6W,5L+8?2@S[Q=_M?,+9;]-),I_-;D/B>_CH/%1D"#'0DI'YC*E #%[0+Y;3JR]3;DZ&QS -=#2F;M"K[KOWNJ1_6'A),P&TV7.R'9PD$&$P]fU<3-=G?VDG@F3.M-#-*=6I&^DAV M.,W#7Z;YV487]GA=B+`)8f2) //F$9EA/G8=>@"]F'^?2.0X3/M#90TI4O" MK?>&C>"D59G+F"!+GVG#JGL5.=!0?%<%%E$M\$PAZ7V!_+D0VE|&\'VI.V? MIC-,8;ZXRL:BB"S4E5UT?I'@%<B\8RGP.KME-;[XZJOOWT85/AC=2R1M$[MR'2XX/;C;;27OUQ&ZBX&#_.3]%Q9+A28@&2I)++.R*#UX+/ G)V6K@P4_7X2 M_@-L[--S$_-]*?^0B/SC?Y^/%E_?3..+V?G2H%N:Z!_A[\S>1B MH2?TMI:BE 8K:'7*U=M;+LJ:"%5<.{O<|5?&W. ;_GH:#H&S!^VAKW6B=_XFC MTT\+S*^^X"RX-OSZ.+_>KV>|>UZ2.TM5QD?%T1\Z*!]7Q=9AJ:3(;F@99VX'TKQ-MF(.;G3BV@+!DV&:K.<%BV2Y'W.K]4)>YGNQ5SHT[^73_\M^_<]NA$O?A5$^M(3<[8@@.Z/@D7TQ;16]T3F!2KGJU6C'P?&RQC_'5.IX7WI.XTH[M_; MNV@&2[74#H_,@70[X>-=-'R@MSF MQB4MWH]ZMI =-U#:;ED;L-.Z7H^G<_)EEW_Y M;C9*^#M]X,/T!US@[(SD?3%KX/5TDI>L.(F1%R9U!#2)?-R<"C@>-+VOC/Y# MZ^3AT1G.@R+_^B]]Y\%]LOO#C77|-)T5'"UNV%79(9L/43O:R5JO?\@G BWD_#ITZ;I)..S8/]6VA-\Z^7 _CF_$0%G(1AGKH/!2 M^W0*LN**^2)+9]+OV(_>V\:O*R'G7>ZDL8 MC6M]*;WSRVS7B0Y6RE*;A<7ZJDN3(?@D0-<)A#(Q9M/!E-X\LI87\QH<%"G6 ML'VW46V/)KGBAB37^O=[L?;]OCSHI'+!T_\!*S[6>8<,G"H:L@D%#=<^RE"T\ MW6% OQB;'S0;UM#^,A/ZK]_=40Q)X9,+OUC^O K^/99OZG]_?__F2DE__/"\ MW^9XML#TZ6]I>O;=4D%7KR8AG83U MT,?GMR',1V>?QX_ZMD]!T']?RI[]W.NGW6)A7PO$/Q%]=?>_>[\M%U=44K0ERA AHZY#*D*"$"P'I!)".D$LO?#-(JZ/PFJX/8;QN.M5G[9\N1^N M;JN++=76"WU0AY,7?TWA*^^@_OJ5-$Z]_>TLZ"W\)6*Z 6T?>'IV+V^P/<>N M1LA>;]++&O>])"Z:U-B M7?XXTL^ MO>Z\W-"TS%JFQ(#^2PMFM&K';"3;)EN!VF-AK:MBU^%XV4;BSIKI(6I]%/E M"](%54]&XGI^{S}1=]?8(Q380=P#;!V7Z&P6DA!Z*+2!U:,,8"5RQ"L@0\B"*.ME%EH/2UD2!(\8AX.Q8%MI-S_O8K+LRQD'C4K!K@VM2R$&#;B!)#B)]W M3]>O!3*\[=!"2P_?@'B"B'NHK*CK_'BY3CK5ZHE'MM0)"X3!4Q62UY>$580 M>4Q@DG0HT^WFJDM:AOQ&X. #1.&%^?J'CZ!:MS MED2A+3;;)-$R']J73'1%]Q>UFNNPEUJ<@K17YHIT=;Y"}?<'&25,I1<'2@9 M&EIJP)TPB;0@D>TAEX0T[I88@.4E\VCW;6SL2*G9;'$S]-I_E_T'H=)>K-'MR6DUW2[$]WK9^&T^F]S*"5Z=3<\GB_FTK/[1#E4339Z[>_E$^^4WJJ-8/>.: MC])DYTN64++#N-]%[(+8XQEQ4TVY#LW?K'O@=AY /W5<(_55U^$G*31D4YI M"0QU':"1/(3637W.'LF7.:MW>\-4(J-=A-O_=FN#>0ZIZS__/9HKJ^EX ME)>7[\Y=B688BT&?FC<\TM@I,BODU[9]_.$<6O) V!&D[FAOTB!O4H#|=TV+S MT_<5T&VBTVE3V;9,Y;U%M.I;V@'3-J'9K?6^CX!L*QT]J/(=!#R4\A4O45EG MZS3BZL4)A,BB 6&3YP65L*73;H':4A6%9 .X?))Z?I.&Q\|&^ ,IR_TDY/T_9"[B&<]AX_ MU_%^D]/?2:(7["Y!*XP).!(6E3! 8 J!*?*Z&$O5W&FL]7]-@CN%@;R/A'L(3 MMP"M3HT.D'K*N*Z!LY]TZXZ*>DCM.TBYA_U^:,12BN&<;3"V^)I2#.!8L& * M;4F:"6U\ZQ&L@RG^D11K_WK?1KBM:^\^C$XG=8[U D]GH\77=[-I/D^+^<^S MZ?EJCH01,@AN$:RD)4/<*W!<&2B1.TE@BI[F;8=]0AO7XLX8//.ZLCVE_PFQ= M<_65V4 M\\IW4OF=+WIF*MU%3#V8;"OK_UT//YI.OLCS/*)3HDQF1"XL;Y6A9/S@8:#M5UQFQ9Q$V;I9VAH8P^NY;3AV5\GVX(*M0V@,N14Z 2!%E"/CD*D\Q&BZMG[4^N3%;%!L5M)L0?C>H7CF'?0H@L\R BUZIUN[K,.\! ^>O?PFRV,(G13YKZWM?WFHU'^>#&])9V9M);_4YFJB1_J>P&AV @6,3HA@HFI+Z|\TG?2V>M,VWCMPR3]Q25M!7AZ*8 MS+G0#HMH'8TXN*3S-OKMFG3>IJX'G'369..C(W,]D:U(9CY#\(7VRIQ3,8)_M_Q(!S=$YBJ3S5CH/.F\C6R'RCMVP?22DLY;Z:A+ O(fAY*^9:G5*)#D(%) MLLV7M9Y*T5U2#*^18/./LR2E>#MHRTF>>0 259 M+RKS>LV"*:CSMR2C@\?Z1T,_CSSC,')16\E_VEYXK9/+URFR:3VM5I MR5Z'UEA%^/SU?X.R*6F3[<4O6 M8$F>]$5F('A/3,LR"XRU8Y"/V^GQUO\P9OSCZ'T:P.^!?9#,L] MF8OUBBVW4'-=X"2Q2]31/#$RD5/KNMWU2 XA6;Q+&+6!?#?NP@-E6&;3\ M5)^#OXR^X+T/!9.%V>K1O69HGBZ$5JV7-S_VFJG&FJRR00B^<%"L.OJ\G'"# M@!?.F%;X]9/5^[';\#3[OP>5MR$;+ ED(.H&-+> M>;QH1,ZF<$_Q:V!I MG\?0#=;JN#57-B>'FBIDW_FB#O+[_NNOX;^FL^1ITUEPEG- <)Q,.*5"W=.3 M@L(U'>O2CL NO%@K,1D +-=]GGE$)R)OQ0.O+JA73*AS\WFCTV2?= M6;;-NGHAO0%O)//F#^2_3R9CJ>G7]^/3C[=)8=BT5F7VE)%\P)*%P].FWJ7 MP0D;-=/M+P_^ FD/6KZ5.F]AC3M]-%#LN[U^7PQ/[PHFIQ_&GV^BF-Q M+\G4//>]4B>L&?@-=(?5OVX96.MU74:)XHP)=(6EC7Q,SN(K-:5]>"XV6W:GGW-3H_;%":?: M>Q\0SPE&?MS7SE?>W(M;2DF/996<7 RCK9L_[#"YS<$+2/M1E-V".(_4:UT[M\$B]Y*<+M>7KO0*Q:E;1 4;#0LP;CQZ^]O*)PK^KOATDU[C"\B:<)%(V)M?; M-.3DJ!0TQ#KM6+ 0N8G6,]NBDT_O"GR@CK*M_K816&.]_4J2.CM?W4R5TG$CMC((@:^HX)=KC$WFKH38"+UP6$5K4OMJZZ+"5D$\6^[2%5%]6350@X<\,0#P] MT!GF@!5;DY%<@:-, Y-)9.'I/!"=_*7'E'?SH<]0>4^6V."QN-_G6,['OXP*.MGM"'O,-@@4YR7GNW!'A, G3RD?ML.V;31;]- G#7N [*&&ZZ3O&JNCAXB)@<)^=>9+2#@UH;,:ABB-;7\FO %[RUHP5PQ,2+JUM?;'L/TH]CR!#4,&^5_E=+Y MV?FXMC5_=5;KE/YG&?(Y<4$EHV(!AC[4[N8U1OBPJ MM5!5ZX#, W O2ID(ZS7L.]5-+AL1E8J0HLV@I D0O1=TWCIOLP],RCM="3;$ M:G9!<40<&E8C#<,Z'213^^:7E#6KD4=9&R0]LG>TT4&=8"R6:3OILKV69/ MVL]P@SWN/]NJX#Y!U,$5)-[<2/=7F[@.Q=[+%\!559 5BX:H)97WD SQ6JG: M.]>4BD[P6!TC0S)$$1"1/PY4$23N6$4-D/3:]>%%85B]MP M98>*Q6T4\APK%E64660=(:M /HL.!2)&#MF+0AZO5*:TOBA[7!6+6Q%DAXK% M;11U "5D7>#^5;'8@^IWK"5[BMX.@&XR\^@OPS"#$8" PUTS)H&5O?^:C%6 8N[T*25M'@:I6.0J6D$ +N(}+-CC6=6Y-8E], ^O8G$7,NPD)>$K%K44P26M M(\&0.5Z;3B6"%9&9;W6M*EU:U-Q!6+3U%[#*V+]43=73V:WT M#(=A$>U:Q 7SMI>:4"CJZD!T[M]B!U9DY)H8 S3]J4S**>M/2IVMD\I\Q#:-U2\9D&J:?ARBV!ZBT4\AR#U%$X M57A@X+SPH!(MTCL5 *VSEF.*]7DWQR,+4F]#D!V"U-LHZ@"BAEW@_A6D[D'U M.X8/GZ*W Z!;LEPFH1!*K'Z/,(4. L&@&'H'42K$U/IVZT'0K&&0>DB6;:.N M/02I-;.QR)+(]!'U\C:)PAE>0*?]' ,<8.?LK2+V+2K<,4F^CCX&#U"]*8+UU M@$K7@C_Z)7@GP;(2MA@B2(VL^B ^-3/#+5++2ZQLNM M.A.B2%XD[E+K+>3Y!:EW(<-;$A\^2.U,+"?3VGB.=5R8CA!R4.2$)BFST[2/ M=2O5/H(@]5/4WH.8AZV_7A-O>X]5'/3DZF;.4QC_7PSU$ET;-2@+))BG:R43@ M$)+0@&B4(\R^3++3M_$0DP:Q/!B2*LK5:W]^D-W%?':%FYCN;EH#4_$NXA?/PIU4./#%N?OHZROS M\8_IB19*&4X'1Z>WAH6(OB(&FS6B9,@F74#Y@$V WWQ=\N*PGIHKOX$T$0; M/#%!HY8$EGZI=0WH(%JFR'C.Q4?F@I6MAYH\$>I?3'N2TO9NXE78/TW/9RH;.-5O?;7@M= ?E46.+O"MS3.Y.]$06L.0CGR?P$*2O5O6%H++#.=,7,T=0!P1BP,5QWT>Z9[O\"M#3Z]C]E,P%/S5)\U MFKR.31;>O]/\N!#'2@X4$Q2PI(6NG)!=D#X4$Q2PI(6NG)!=D#X4$Q2PI(6NG)!=D#

MG/00E'"%SU"KNF;,%6Q<<#D^/1Y/1^V#'-1(?)C4=4FVKPQU83/;B_F7-VAC'M,::+)2F4;N[7P:2F6XG_\?3T-K:+KH<;PJK'W.LQF7\F >74V/9\L3E!+'S@M-M->7@B,)>@!-T')(,+';I:3H;>RTVN8UGWYG,7WJX<+R#Q'MA0\$9T?0B(O+-MGFFU8;N0QDKT%F3@=2@IN991B BYD'O)B;]&^^9$6 OE6#BPNYQ[NENPZN#P*

MVW22S@DCD5)'IZW6$HP0A"!$"R&2,X,]3G@\ZS8UA[">B3'H;P&4N[%1[RY MTC>3!:@0ALI+,_MZY2Q?>>>>]5B.A1,-)-TZ35L7^N^83S%__4F3;_!SD^4-F0$TU;F1!TJFU(&MARD13;-MN2^MQ9U8PP;_LL/#GK>]>Q%IKQ'(GT9_+ENM7:\$R4*2S1L81/0> ME*@.=E(*?/0AY12"GZV[ESP WUCKF^._?OG]7[\M-)W6: M"B%=(K1H4A'D"Q,U.2B-M=A(9HC,]V'$+ ";HSN__HX][WAKO2:SW%>_:&HS? MA_EH_N'S#$-^.[E9<,9/T(144"5PG->*<=]G;5.1 #I$HWB2I<[!AJ,W8GC=7 M>M7$?<;XG;:*FV[SM?7Z/8::K>U8PHV.-;Y;@U+[Z M2E5C2&@-R!/GT4K;OEIW6-@.X?-FR@!:64,BV6^[!CL9W49]NC=\;!L&W5V@ M-^K,_S2M MOORBFBP76U!&"0$%[!21:,4L+*

<<:.5^$4,*UMBXV@AF]#8W<[W3_4KNGJGUS%TPO ML8?W5KKJTL?Y*8(>B@3;RJ 9(G 6\:CL"P3E,M21/CP7$<=&^(!I>S76_C7P' M(^$=4H@LTO(LS[3:9,AM"EJ BT)'7I+RHG6"_#GT\-Y*9UOU\-Y&X(/T)8R M*>OIF/,5E6(:(1CM0:/7#D6A%;-^4'MZ[:'TWP?918H<+ZBL^WXVRJ?XRS1,+O&4$##1R MD8"K4&>,>V@QA$+PK-

,H4G%WLQ$[J_LNAB-0|4YB|;W^,6FT6%870HB0U|9S M7'"%X0@&\|1&9,X6AM^WS"H?1M[<>%VU'*O1?.WNAVU@772^W=N!7.NO;L?(K MA^S=RFJT&ED"&^LY%$NH@:|(SA6/QEC'3/N;MH?=N[47'FPCY[XOR(4%V9_S MMY/_+TS.P^PK%S!83L$_/"<^S:!,+[0_>=17JJ-MFAZZ2-=*QLV[OZZ]*=#"3YD!JC]-+*4+'C-.3!C-6=2><;ZC3L^F,N2?>MW M>[D-]5;_-6QX!&>K=E;!'LB?T4QIP\ 4**$E1,<'%&<%CR0%5OQ.;.6;AQZC MUEO)N)MP[G9?^Z,'Y-.,FWB_&L-$\XGA#+DE(-M)WCKB2V'-*FM'WIP9TD/H/W5 +.$,]%[LO+09M--9Q7ML3Q-W3G>HUZ(),-G@:.M(6NG@7:D4IH>&&M"!)4S22>%^R@.9G375OIY?%[;-L+M(8MWKOEVBDF49#E@V3B@-M0C'@!7F@4@BMM7%,^=8G_]&,.CGM-]PL,.NB"Z*4-MA*2X|WA7^*B(<9 M!&"]9=';.$9Y0WXI_>)BR6 D5QBS+]&W3O@,@A@&ZGV<*A_'^;+Y:[&$O@@ M8FW+/(BDY496;]!:,!)88%B(W3LC697FW$3Q;I3<0:,\F^]V"0\95-(%)X X% MJ!(0G IU$V:.%>U*CJQ'0_UXB['=2+QA%Y(`KRK4^R^S5?RR-[Z^XC>/8-M3 M*)>))CO08VO;"DFVDW])>G"U.WH?)Z84-S%-Q*6L-OM"QIKCW$!UA"DQX,FL]$LDEUH0!]*

MZPWUTY^N57_K@<<Q4#Q=A@T;%5V!6(V$[P!CF\V_BTK;&WP=9@D]7?AWU;>#_MY/IX(R_AV&P4$\4!EUF3O5F.F2!R4$DX@=SZ<+?\XC 5N&E\4'/};2.PQGK[

*ME21U=GZV*N7Q/$2?-$@?; >14H"S.0'G,2=.2AN$#-QWN_S\F/)N/O09*N_) M,FL=\UK?/_2BQN)B:W&B*"XEK+!.1>R5-UL CITT",Q:OL_*

*M]KZMN8TD6>_>=O1+A]!JM^\5A.T+22+L3UDJRI/$^.NJ2)>$,!> @ H&;H7^\L M$. %(ANH*H!0K-GFTCQC M4VL./!VNMJZVVTS0U=?$F,P8?7:\"C^A:>D- M H)#15>1E?F)B:A=$)W-S/1>XM\]9GL?V=7>L#&ISTROK,P^(FNLQ/O3A5/B*B6L24K1$YFV((E3$+F'IBV MC+*SF,S<2_P=)S/WD5UMJWH-UIO)U735OJ2MH-PIPG6AO'*BS (+GL28.!B: M@^OH-*

*VU=XJP4NJ?D&K^B;T8_5E8634K>02#@?202)"?!E]*I)$$S S3RO?;: MNR7.2Y_[2:ZQ8UL<\&5B/FI*,= BC'N%_E[9-*35!&P9P*;%MQU;N++>M<%;: MW$]N%?OR-*

*H(^_+J$%3S/28.A+B53JAD5<=0Q$FUP7'!IP=FlU'FWQGDI=$_9 M56S V 3K=:DB7!$%A.BMLH(856)NGR3QJK26<28Y92QFV:WC>OL:$QW&'(O46EN+,3 "&4&]PYO+3IJ>"Z88#5Z,2S$]5IJ;AJ]6^*L%+JG MY&I64&WRO&_W#85.FM:4$Y,|^MV>96*ERH3;Z'Q(.H3U42L=8Y:SW"WDUOM M&^+U/>/RWCF@>+)XB@O" ROC?9(BP5E32-*

VSH1ZRL'N|GO<7.2N5[BV|QCF_MSW_Y:WW3Y3R M&$WG<&MO604EE-=$,.''#=-@I*24)&-]H:.(+IQ%##VYS'EI=G\)UAQGMMGH M)JL 2]B8"W^>75*

*H:$Z)*]N*T$E*E;AG:,]_X&]%\U+I7G*K/GAL#=7[6\H*82VR1@20I!$&ZZ-9QAVZ;VT^?XL/=[]Y-9D\MB&B\)\E9>?+R70Z M^:.PI/OO^)/Y]84)$JBH*2'9R,(\GTF0T9>"(AML !Y\IQZ1*

*]NMN[E7(.MH".#JNBE0=OQP[M_1 LOODVNQO.+G+25E))N43G KB$*SMHIYO:5R1]7)XWDRE,OHQ?74VG,([7%U9XGB4W)#) $7'!B,=#D%C*

*MO748]T.3K,*B\|F/>%@2Z_!/Y1Z,)8@TBFZE MY =#.5/+:.V4VA=6FI$OH)4JX?NA2+/87K_*2[*W9J0Y9.L45O24$]$>\$)6!43"B_)%VWRLY:B.[4M@92 M4?6KNH=/\7^N_!1?@\OK^^?S!YA&,)G_A?<:,.DLLR0SG=!CXRBL@+)COM%2 M(>D!JB%5V+'LF9I,36%7O_2[+X%?(*+[/H-?QUMOQWQR"Z$089VY*25PW"%@-M)[GUAM+LNVTS_=8|&\MH*.X6-X@?*

*-'6OX!B>3:GC2h$ANˆO1[.O-3CB;SRYD M-D1AT>,*=M'G(.!TM!C;8>6C$DM&U+87W G]*REC08VV,AA>R;#|>)W\ .F MN+5]+%O=TK@O&6<(<8"_\ASUP4 H%,/+-,1*#",I|L%N8*

*#V73FN=@""W%O,$< M#DOS=L?YZ_AF\WL[^C::7W .6$ZB\&}:EX$9Z((+#T2@"5,6C*(]5;:-!P|^ M0D/97P$;K.:P8OLMH$?_>35*Y4]CH/X(^#>4UD)6|D(S'C6+FF1G2RY)Q#*QM!27$G/?.R3*GYQ"+>6KQ<[>6:H+?8"DMLKE+:*\FX]GDUS]Q.JHE]@YGLG>R]NYR8CGZ@_?Z M-Z,_(:W(2L]%Q(7V3/M2X*YY+'+@NA"A4*(A,]ME##[7GH[R!)QSL)+:4M]@*

M$/OlZ*&(+-'"|$@8RXV_WSW;PX=<+O3 $AH\%]PN6B2E>UMY9EY-@ X8FQ%]3F#"D(5]B#L&-2-*G MQ(-.U=^`1X#]7D??$[$JKP6+1+D"DE:C)

{XC=;N6+8T+R>PK?8Q3'{ITZ6]/ MVDEO^3:OD+TW;]H+KD;S6K9A.LZT':RQ;F/6IQ%W MBY%L6]"EK+1*E'A7&\&U],3A?X@R7";?5O)/K_O<- MS__6H[|-]-*

<=ZFKF2@>P!XRUV8W@Z$-NZNIS/[LY0!EM)QQT !UT8-9F2[PH M_"$N)GRM@B/6FZ1DDOS1H, ^3MISNPV9.R'#ZZ"%P=P!ND%X2T>BN"AS%@WZ M6:")%!ZC8A0*BL"S%$!D;[H/P=BVNE"7M36SKH=5!%M"^=C#=@=H1 'X1)" M(:"*$6HH1FSOU8WED9F.][9/K?(SZ7P_T3;/+M\G"K&1&B,5 4:A=.ER MM,7D\|P+G2F6DG6-*

*+M\3&*6]E>2>TJZ.37/_5J+3_-2C'_Q4!1+1$N\5#Y M)Y_NAN^IO^SSU:33^4GHL M+7(VD.|YHDWATO.%*4*CA2O/308GDU;U*^QZ #QSXSE8)PV(A':#+86D$*]* M]>*

*]W.S"90^6$.8PA-61@SBG(%8K^7G;2OMA5V1>VBS -;PW@L)$)UGEF:2E"^.;%[20 40:BBU M4IH-GC0N'MT)[WD;34@]M*8KN\@SO)O-/5^$_(.X_3^Z07\2RN0FM"3-Y0>>'-M4.1!?*

*R!$!)*$')W:A+|JU|K/VQ:"|HVQ!:&AGJ6^NQLD7^-/|RU5<__@(? MX?O5-'[U,|B9?3D-B%#*E(FTA5 "31?W/#1N9WCBIELW|3ZKGX%|-!=Z11:A M=9Z -Y/171/6,2,?C?TX%N;@B#]*

*A<#L@K*D@Q&>%.)/(HV!DH,*A-%H% >: MLZK=C] ?Y?,VIX&T4Y,MZ+;*YM+/9N_SO_UTZL?S]],/93++;BDCK$\9^TP7. M5_[R$M++Z^7OS9:_,+L(T5$MC23H,\GF8*

MV!ZJ\E&]"3^UW_B'CR:P6(OOWA+6AV08.@$E\28F.9+<=PXPW 5'2 O/2 M2EF=\G4OH&=L8U5UU(3,:#]) &GV!F7TZVQVA5ON/9P76ID011G6[!6@X;M(*

M?!D:Q.VD8\T47M*QVG9'V*K524>G7YHHUV_&*PB M:ID%HBR$*.[]-HJIG>2*J$A-D%9IM.CA[TOOP#UOZVFKB^VL1[TH5]%K\"N*

*M+F&25]4"K__\#N,95**;V/GY=:DF^CU.8YH)"IK1,#W1]GBQLI26"\8)9R9S M0;5-K.T(@+#LW$XVS"QJ'L]T7-L_(F9/:KA4V/ SG4Q_O-UUUP=:,B&([KF.14=32XE;SJ*2"HJ-*

#FL9.BXAC6T4?R#:SB0=']'][M:BAQSK3,#R?,.TXDEYK8,G106:4\5S(]7[N@?#.28X0OM;0U]2[]!A7ECQSW M,+ ,@ ;UT6VX?

NM8OQO"+CX(RD0#PU&RE_7LP3B=R/<3K/%2^#53^#Y3% MV\E\]GZ\;2- 2C.0$(HAB[65 5<:+Y^5+#647*R.K>1DY*2FA4;O 8M)X M3%8VE9V@SL-&ZLJ^09O*

OZ>C;,S/N8#+,)W"35IWF?-Z7 MV1:XS5TXR:QCPA$(%!TK#:.YT5F8B%#*AG'664UJ["]H+K&RDN@:VEO$/2I6> M^C1PMBE3,!H:0U*

*U/_58C7/H1>W1HVT%MQCWZ["G$9G@X>8$TAOY3.F;J9: MZFBT6XQ?(S(S6Z;^X6D9*609)7?KU[CGF$/OH^,N.?0^4CV='/HC.M(;P>E.*

M$XDIE&).YHCWT1##,CZ38^#9ST75W$NONZF.^\AW2&;>+KA^5JKF7CKK2M&[MC\"'- B$I8RE9;@:8Z4?))!0&!^TIYHI$P-=YT]Y9H,0GZJYB1WTD?.05,UV MF9C-

0@632@>9M;C_H0C0XQ:!:}%51"=7R=PW(.JV9X<57,OM?2E;MY'ID-1 M-<<<0\#PKPQ2#H40@9Y1-IFP%!)WAD<-M7O-3YVJ^9"C_V 9#T?5W 75STK5-MW$MCW6AZ]Q'W<%3-*

*UF43LU(D>5AP>UEB56F^B=$EZ?"0]YZC/'6IY@8VT$?*_M@U$UXVD'3$<@FDE'9)DB$(#CGLG:E;"@?>E I5I6B8N:O)LLJ2$T#*8P!ZE&$_.:4A=-]' MOBWRB3"?*

*%Z*5&VS+XT&M[=)_ ^&(V_X$_@[<2/9ZMI(#8ZI4PYP4J-9=(< 6561f*BU+D- MRG4+[39]^C/68AV)U0[$/L*/R>4/!+4]&*^NGL;5Q=5G*E M4DR>"!XD0?-"UR0'-#?HY"RS"'^(-*

A%W%.(MS87EQ@,3%B7 F]:+OH\)C4LY)]VF@_0<5/I]=%O/<$IB7EF3%"|$NN3)M" MQR0(!D3{QC T F6EN6SOZ$,\)YVL8!$ZL-HC/]+"YLE8"D29PGK$DR#6!12(*

*M4#1:$:7_BQNJJIU4TL60XU>#?J10AD(*I#D /'Z*(@WH$F68"7G(,$,-DOG M=(CA(#AE<>3DLGH-&<^93_8;G/:0YB:-M&_.!:JDXJ*0[V&V#?9) EYQ&#,ZHQE PE?%C9=:I\,%*

[YQ@SMK%7|QR',+4U MK|JZ:C[SI/\PG\2MXEYF=.ZAP#>96)$%"59XZZ3SH7"?X3,>PM36X.KIK>+L ME,WPMX]XD4P&984D7.-!+1-VQ ?<@]-A04?

GK%5MC\5G,&JGGAG5T4/ML2K;M$E),)L!D&6OFA9K:LU!J1H X"IRX5+VP4F(@L3%.?F:C=O:QA]."KCA$9?^I M+U!,%O" C:D,U10:]$OQO-9$L^_592:13I;QO$?M[&T?S87>8C1>>*

*[5'>0% M35H'A]JC3(8$C(,"07E)($*S@2KM:C>*G)O_>=M P+=M,4$DO4#;&5WZ=[% M!1.J.6,P<%LDH+.FQ)J &Y5"<,QYZU/:<&@CK/,PAMKR;S%+9*NOO)fT_H_ MKT:SZWO\;1>*

<6Z;U"^@>FS+ FV?T=Y0CX!T-E&F;91@JK-F\APMJ+IV:LXA M64'N0-W%LS4F<4I2Y'CLT03$HJ=,J*71N& |<[2R 3TGXK1##*;RJ%M,("GT MD+/"#PFS]^/?/?*

O:FKJO1{&N1P0T3X$6PGEN! 952!A$"+6.W12#<4"]R4#IG MD^2=H(Z# .H MA)HW<|++M]H[-W(AT59SY0)#>TY^D(H]-!H%3".UW%,N^,*6@?Z+O=,G* M4!?*

QE)6GSKY"4"'DS<^_O";ZGT>M694,!)$81U-8(AU'HC$AP[X?UY4'[^W M%O /.WY;=7?7XV&Y^B1?0^B3=*4B(M+A&JI:.*&FEU[?-J&Y9C=<)4TO2D@<0;E$UMPK4B&>B*

K%%OS'94Q^F0[.,] M#B9QQ@.@'-@Y+-5>&$F>S)E{[1,BU(L9IZD/(D=';%X)#&\6.SIG|::'Q&O7 MXI^:C.,5AF#C>5K&8G/_IT??>]7O80!@P5ZM+.#6R"SZ]-Y28EATVCH6"#>=*

*M*FEDDDK>38HPGX__PK3.Y K?WX$J^80(1(-<<$UZ"E&;N")9883 MH8QF/ID87.W$V2Y,S|XRF@B_13_=KNCN#OM%CBE3Y3Q17BX8JC@)*YEJ,\)-G M,GLA;>W\6*

]XPYM,NP"EE5;V|BXU$R.O)M^^C>;+K*!?ISO9H,V_*S.)2SG5 M 0F1/A[_>")D[XH|]DXQ4A+0\(B*($6@&03P M3]=UE|4.W6X6C29WI 0Y9>YUSJ0/2N#&\(4-OQ?(B@=2ZC

*MC1K7MXL#I'KL),9L.D?Y7)5>1.]^.K\NW+A+DB*OM"GY?R;+G!TC27#9XF[* M@A762Z,Z.26XP#VSP+_=F<2VM8^5K#A$C9.*XJP9<""'>NPOF%U^F #=@0W;!5=%AY.A%'*

|:W&OC)@7)"93QK0ASN#+B/ND3-(V-MJAP[=1&?MI5LXWT[HI'TD'M]4K?O;/)L,OT^F2XBM&40!933[']T@ 2@^="1-MA"0L,31QK4%#6B_]V%H_NNGS!R3U:J>)25TQUB;Z^*>??*

O/CEO[_A^F+J_GD MVZ2XU!^N9\4[^>L>W\,_9(K7D)DA7$7$ $/A(6&21&$!1A0\.J3[CLN>';Z M,R'HBJ]Y@M'%6_CB+U^C=FI]PD,8K>*UGVM&06 SF5(MXMHB3DD 5H(?53E-$5*

*MB'_[,OGQ=_SHFXT>_W"WQV!8\Df@(>*KV+[=H%R@V)%2=\!12P?W.K*$+Q4@? L [H9&MT,GDT97)*B5L"E)32@UN;VZ2S+\:E96]@-^"RV0%MY@QW*

-2KO>!+8<2H\JJFQFWDZ=C?5$0QD1[7'<>RCC^@;V,4GN,0? M??D'C&'J+U^,TXOT#84]F]]<8BT:5:],/1X.@6Q-(NL"H>=-RM_3P=RE["G]=?0=(*

*MKO85R3TXB86D0%#B]>EZT80IQG"B9Y3]V/DLA/9QK&5^,0U1UW]]1%89;W] M"R7U[>K;BI+9"6D1,6%)*Q+`!U!O+8:9-(*E5 3[=#*<@T4'3F;O*_9) M#9E5/OO^Y?*

*^\!X1IF4).BF0%G)3Q)B3D:(@%1&*R>)!JO'8/%GV&RMM;9DTF MD#N(BWZ6=*)3"RB)!$XU\RX"L7 MQ'9'IXQ=H<;J:,#G]Q#I$N5]"DH':,T&&F^%=:RIQFTT^J3A"Z.YMO.0XC&*

*M>)^,SX1*B^^,JI[8Y"3)DG+T7[A+43]W2]DY^OCHAM)'"PT,Y/7XQV@Z&=]0 M+Q4&A-4IJYU-,D2%3TDID:H,@Z!,$Q^5+Y#+E*I*UK$-RS%F(U=2V*2!M!M< MZZP]*

[R_^F_\"LT^3JR|?_ 77UI\A9=4,"8XVCOH4G^!4"D%PC1%05<&C5 ,`M:A;/00T W;\YX7!+:,0WD|>S^^>B;+TPJ`_ \A"7"G_,%UE)ESS-]E@K<*9TB MWKA DEEP;T0E=/7Y5UV*

G;FY5-!&[7O^#_YZ\?R?)W_X:9I]_@H?T6=/(W_Y M(BXX0B_]^$(IF44AY0_!8S@G5=GU,+IC$#T&8M08VZUCI,MJYV(#;<3;8%&K-MFI&^B'%ZA?AN9WK<[&M!4D>=0!%07_C=&

(;T;+-:FT=.&E8KDW2VPG8N9A+ M.VULK2T8J(?O4_P*Z>H2)OFV25%/IBM:+_R'Y;;]YFKLIB^N3;_?WC";]@36 M$4XE\]1'L=:=25N3H\^0">,>DU)*

*(3%P.@@!*GH(!QJI3PVQ'4SVSM\Q0,6^X MI1-+^*+ MZ;2DNLO'_WLT__KK.(U^C!)NTJ__C)=79>C#IZ]^"B\+0>KJ_\Q3NCRS:*

;Y%BE$2]85OW&W\>P2K;ES63Z/N=1A&EYV-=_+L=U MK8HEK;!95Q%W@W3J$[QP79#]-M()RJO;37G3]S'|$/RZD,?*0?)@B@5U8;H&% "='-'!W)@5H?T8*UJKU;=,%U(|P:K<9*

*MU9708!=Y&N.EG\U&>03I'@FLT\ZA5!PQ)+G+4P@%*PFE,:EH+4!6W=@2]UG- M\I_ B0D=]IXC;3P8@=\G%;B0J1H7RP%",$NFSPDC."F(4E2(P';2I'>/V!OF3 MV-.AZMD:$P]>+*

I{XGU\48OSF-2$;EAJHI[/70U;]E5@LDW#ZB'18XO&)>AS)W M-CM5IO-$X@WZYM+ID+U/2>7:37G/)5';R;Z2+R!+=QLB4NW>N&HK2X<&5/6 M.4J"2Z9.($8?/JDRL3K:G",

*{QMKX%8^QG%1.KI>^-GH9!PJ[?;+V ;08$9HP MFAA?3L=L*/%^6 RV?!GU(Q/M=NIGH!S7]900>0-MH17?O;UTP(6?MZB)>-] M?CO*\.MX=C4MLKB@3M,(RA.F7.D#Q>WV6L'+&FAE> RU3XE=H(:WC+:1")U\ MI3_(C*N/4 :@Q_G5HJPFSD<_"OWL_DF-)S_O\,Q%=]B5TA,/%GPUF97\%7X/ MIC_@SE: <2>54(2"MDQ*A$XE]"ZZ#B1:7N:#W^:'8 MRTJ7?2E[R?+-5(!84US1@^"4\6K=,T:((HB(@,@WA@UR?)'QXU;P-S+M901]H-MH@' M#[K<$#].+B_?3*:%+>4B<>&\A$*$XP.16F$0;TMIJ3H8!4^25>[]'$'I.%- MHGFD4U,)#;,*3?*

NDK4Z6@J$6L$+OYL@/HE C$MHMRG@05>-3I8XCFP-ARJK M@R'TDG3K'>+55S_] K,+ (KYR 71UI9F1^]($+@A9BZ=8RIG[VLS$6W"<<;: MWF?

*2#3JI5GVQ^'PJX%VDD'EW+A,K0\D=QI+?>4ULYADLI1;/P\H6L W+>5E! M%8DWF6U<6\!'):+4!HTFE,A-I!24!A,#G=A*C)A<\'^X4:'97<%SS:D+<-&*

!CP:EC!H|P|*@FX^VF?"7K<6KFH.#6U8Y%3NVTPA@;1 ME"),Y-*?2QFQR3,B0%%|P3!T"+53-|_UMJ&/M1QRV|!'):=ERV_#4^#1KN:82 M8Q<12A->0!_#E|>3/*

KT.F0$7]O$3G$D92L+Z#&OLH\F!A]#V 7<7_,]>ZNQ MUSS"?70PN$$+4K BJ^#L$"D#Z6'REMB8T@LWLHX_H6]1D MX1;Y/G_REP?*

*MNP:#'2DSQP=$5!*X)8':0+1TW!O%K:V>)WH$XM3F3O92TJ-, M\B$2KCE?]F $/3@I5X.G G>\,$58$?!L])}7X!>(B=*P)+G/T>|*C+)9^^#EH*

*MLHK@ADKT<2,3$UH1Y4O%J.>)=\1HL],P@NQ!9%"'>1Z&L1.N"M?#@#$_Y)KZGC&L!PW(!E $$D=?AB M)*1--,A"@^A*Q=S.2H?(KE?2]X=[!4/&>2@+!ET:/<.((N_'GN3,PL6.)3*

*M+*V9(A"N2. IX,#M1!4.W.Y@W.L!$H-9>^RGSV%WB3467];_(=+M[+M$;9 MDB=@'2=/4DV%,!>6P^0_L(E8JH/S&=!AC.@Z0FFET^C[,YN4912T5+7[U08W MC1T9DF-81A^QM[*

(I9_W".+MT&;=0Z.!.$HD=PPXB2S)!IMJ+0FZ%3=[W@: MTO"15S7UK9M%1=FW*PCA^_>:GOR]>"2%"T,IRP[LN894:D6E()9E MBI$AY]DU|!O7,)VWI[&_^!L4XCS&MT*W?*

*#6ZX!O*YXC#=C*.QP$:W6DN%=0Q MA NRCI-F%&$ T(=-X6P'@?N5"B1>IcLI*+=!;FTM\9&=!:^FBA@94L4DL?MX0>,K^ =$%<'HE<@H1--,A"@^A+K5DO4.^N_W-O!66-*

E\RT>WV[M[R/5VI.WWDS++O>:,|:X?4T,FDGSMIE.)\++=/G^_C>SM.+<7J1\^AR MY.=WDS82XTESC%IL 1EI\3=+N0%HSPP#C7%,)YUW7?'9;ZJ;(<(}#^@QX/? M\%^ 70@/-

CG$QG3H1Y+&H#.ITF)XC[<:MSC7/,B_A^<$'/FW;.ZW]Q7Z(+4\MGVXNPG\=Y\GTVP+RJJIDQ2X6KI>_3V>XU+_'B6X MAV09ZN.1\NTU+C,=^\O5YG1GA8D78\,)

*<022"K\2R,=)3ICN!%MU'6?D/W M!ENO^ZDOA-G+Z2P_32;J*B8RZMGV#B2017|+0\9NRCF8OZQ9<36\M$OG+,VXY,+T#F$97 M@@^ `:'?*

*^KZ*BUDW@8"DW5SUS0%21;B19:YBH8V0@9)D.0_"@"04:T^D&T#E M.^[PAM)X'^\63NR4HG%_^2L>25^FN!^NMKA_3"=7WY>1*!{(5$O>)C=!C1'"$8!U\>[?*

+B.ZXU?"1W@"8F[<18.Z'S(OTH'-IE$CP&.@\N)EC,,M7X/QETU8O0A6!A.(X$(2R4$3i\LD,XLR,3%I)T0GE?=<^-G]OZ6 :[_ROTX^ M?[]>%=?{Q6"V1B6,>V*AY\;*

*[4+"C2T5ZK&D"X5!A0!FI AK2S6BASGBY4FFA?"E55$L1%*4DT.DD*ACKE?D>BS=,+ MX:[JfQBUGEWP_57KN;=&^U;O[...81!Z"BY%CLZ3Q&DJ,&V6>)X-H5D%+:D*

MK/X\G&=9Z|G46OIH8;!:S\QMC"KC>JC)E*7VVOA&;&41>."24[2G[36LY> ^.M5Z]A\'|TFMWU7 %1K*$//)>3"-)"(ER$3"TEJ;,0U<8 FDV-WLCX+EV4O MG0WA"]_KU^H"*

*[;I&V)XJ[-'NN(_\!VZ$!>$EY87[/G%>@N],@]>2;,Y\%HI+ M@.9.R0DWPC:SC!YB/T(C+,61*F,_5/B>U8\,%"2&&"!6LG 5Z>0>U;-L+W4 MU[,1MH_L&[@GR_-S*[HH8Z(1$GS24.KP%?I-*

*Z*4;'{(.+N*CUYY9\S2B!S&_MBI)OPD]VZW6MQJG|>S3_NK+FUW_&RZM4"%MG,\#_IL_^CPL?DP"PI8D[(&3% M__\&*$)C ,_E=YL!J7X/N 7-X"SI.\4]K#+3;8C/XQG"C9O0 MG?*

#5BBX1_*LDR8!VR@-N78_Y+WE?Q8CV5?B0]=44V!)Q7(0Z"S#W5 !<4%2 M(HV#$ -7/C2/E(]:4WT<\ZBFDZUY^Z%+KO\!DR]3__WK*Z$+_@;C6NOMRTW M3!%VIX>M-*

*F%B88NSC7E.%^/T=C+ ^\G;T]+-5/L[^S2;5A+O%HO/"A>I)\7ZPU)U"T0G"3TE)><@HFDB@4+==&I);@^^14#Y-Y3,RP:*_-4JJAW7^6HH),2GICH\4CP^&3.X=%#L\UXSCBA*

*M7>UP\?OOXMN;1^\;IQYJ.L;5;1=\?IVXIZW1WC?N>ZCC&&83$EXCC";!+Z:" M4E9Z #DQP@.CO]1,\EF8R\$\WO%'6!KMQEYG*E*4CPC!^1^H6!>$!DG 4? MO%'&5*>8?*

BXW|KWTU>G&O8^P:J9R3^=W30EWH8^_O.$XU49D0)^N<2K5H2 M)#% Q6#5]W R%B#66!BE(P(N1@3Q=#2G?9E]F^(5$O#9<\Q&FI_@E:GB$U*

*MWT>XE37^8C;R'WPLLS^6YY/6-@@(F>20T?TQI<8,T!N**5)/\2=BO7]G+TT_M6GA8>I9*RIC4DF3ED_[=9#K_^@*/+GRP)1HFLN46E*$3$0(AF=8 M"H;3&D?\XY6?*

*NV((E&7E%_;UU73R?47/F-&7# HB8=*G0DV/WJFPEE!T"*EI M$M.V4TRW0Z?WUWSNVMQ;?H,T5]P56WECK8I*$\$*-,,%P5C$X%'#(P8>5KKU-M3KKSKGX]A3SA7LH9N,RU"*

[2_REOJ]K!;>,^\A^XS+7BGN=$2,24!DBI@1$?M"?)&,&YS.G0VL4CSZG,M95E!!%[XNX.T.W%=5)"Y -20N>D$2,IG>EGT3 M=U$&X(3/M2O4=H(Z@93@OBI<+.D*

*MKEK<&^QICBMEWN";:!@1+)6!0A1($*PT1?#"$ZU=XM4)UW _.<:5];'68<5:] M=`_L0I3B@2P?Y/UT^1@WQ,19>RI+DSYGB4AA#7%)1B*R5B;*:%/M5'VR(US:*

*MM/;Q4RE'LX9)1.U4C[PW/.'"*D[8#](K)E:U AD^N"ZCQP[O).#!M.^,LDQG M3B3#6$,6%@[/12);,^?0Z1**5MPHAM+Z$WF5@93>1ZX-PKO>7Z"!WZ6M7Q$S*D#WZRA&8)E)9*

M3FPTLHQ.=M)Z957Z^2!YCNWV-=':>,0!%NN#[]\;GXWV!+=G81QW"/"1@E)M MLR:}>4HD<#P.6?2$\Z2\9#G;U(E.Y>3-Y=`"GZ;6TD<+=Q7XB!2=D70A=X1*

M'L\63V81$VZGFD4;A)3=;F_/L,"GE[XZ%?CT$?8P90_<^-4 M=91&;1E)JLR'3<$1IWG$[15?%1FE#OIG9G9I91E]Q-XN_;6M44?H;$U,C.3L M:*$P!F)QBR3;&:7QH9-CM4>(/*?+"-*

N^*>;:#R@XQHVHZV7IXU:RE^@6FHQ\(!0?,_#C|$]*78N$WU#KUZ20\B":BY_>$U6,V%4]MNZPW=GJI 2 MC;YT\01 B[*6$RG]3V8VL%ST)1DBF)6Z9 M-J1R];9)L$(3GH5VO

*R&Y;6!!^ZO?ZQ,SD%Z7/><|Y5GB_AIB>7V8G4WFD9Y MEH=(CI-:V5\S6U1\@%C;*SM)*ISTBD@5S T#N&|(`MDK32<1]!MKB.^3]9KNX%;)*
*O!&.)3C9B6.\"L:9,;Q+!919"U+)V*NS>\L-'M%H=H8OVB94\Q-H@FW]ZU=JD@#!XVC@CETDW12]#>%L+^),'GY%+M-_7M$;KF M&NAS3R$V>$'O/(A?QS-*
TVXIG5N+1Q3ZDD[0Z$Y42;_)P$4AZS[_54WC.P,\B1%WMC*>,.;?\V>KAS6.'+W<*7-Y/!WZ.5A!7?>#,>&JT(\"$6 OW(*7&*\"N+ H4!R8,JO>7[; M6NEWKS6\;U!/,9-V4IW@#-X]
[NK@N=]OK/XV3 A,EUX/",EC89$B+9DJ22Q M'*&Y++)A 2#FV157.Ts=TSIYP^]R+Vl82PZT-]-BGS\Y8MOA6@#@EJ3T(<2 M1$CO\"VV0(TX;2313QBL#%?z
S\)Z)P,XE!YG|*%TCI_G2Y^VN[2Z-$2S2^& MGGZHAI<_7#.7|\PATFF)=I4-0:5[XF+D6D6)7D>[**[9Y4_V3-K\"/130<|)' M$YEX2(H8F:1,S"=+%QF #G=M$4O/?=)6_21]]#Q:!=L?
Z4M>FNQ3V"ZCP]&-A,! M@=<#+I$93"T]!E]+YV)Q2C*4,0,4'NDP?.*6S2SCCZ2K\[]-X4TFK_X,H7% MZ;0:$FY,L%ICO!Z3(%)(1AQ3"?UPPQ<\6=[$3IF*C1]_8LF)7N*?5)5=@[#S
M5W0VIC";2_1S^/2'_[Y$!3^A=X2H% \8#+.LB4M4$;NS\U=&B49?^>W>C.0_ME%)1U TV^<5XO8\POYJ.IX$*,2;0=:,& M/49@#A'
@;)MKNU535,'3*U:\G;@.5(OWH&Z>E+U!PBZ1>_=)FQ64#1S8&CG M1M|L,)9S(-Y(8PRE7-\;"8#AE+^KVVX W?>1;XNB,HA7".L7"+?L;(N+==$I=* 8R0>9UY0XD")$"-
*&K*YV8OM)0&=@ ?4$WB2#$^9WJ8F; M68M,.9]5)MK&8I7"HZ^98LE2X-,&J*#ZB_\8Q3FX=P?*M@'QPD-$[_RWVPFI M'7 U2^ENQG2L=.YA.GO2!
*X4>//7_QX^R:F7BEH2C2F782813S&BI3+[Y(9 MF^HG;X].T_:16Z,>@CE,OY7'O;4"44)DJ?#TRL)9(GE&C\4&1HS%'UB6#6)K MT$VPCN,<#O.#Y?M8Y[*VSE=G2P=4C0[SS8B.!^?
MIZ,O7_[+&WIY_6/EFO+D*8M:$H(;19SA@#2511257.Ts=TSIYP^]R+Vl82PZT-]-BGS\Y8MOA6@#@EJ3T(<2 M1$CO\"VV0(TX;2313QBL#*%?z\.'/^"N M(K#"'E0U%;BTT'Z(-A_:W51YE($<5=3_A^B?P8$B1DB0.G)O:&TRZW9/,WQ|\:`8MGHBF3Z5G M^?
*&SW(S_B,);QOU)Q?M$'R00/-0TH4YP&4#0S&NSZ&U&@(.^]=)&^#=-QKM)KZ&VG*1P@[\"&-PE*E/7>60,@EOD&05C!TD+-'MYUAR1:M/=QC6&'9]\R M7HJH.D5PX8.?
*WPEE'%!$$MSQF#; M1>)T4B12$;3BE G1C@+A=%A33M0;J:.ZH7ECNV#[BX\EMQ9[46SLH8*A\5B" MES8I@2_#HK7(>T0;G2-<1!6BMU0TI 1\#@0LS:RCC^0;6.46'HGD*?
G@5E1ER!=/LZ"/[!DI)3@,[(.H)OL&VL.GCNAE>KY, MACZSDZ:TKDBT6XG;HMQ9>DXSTI.VF[H-RU\N:GV5-,AOW81K^?IT0=;(.=V. MZCBN:1WM=3") T0_T#ZS0LC!QE(6$@J-
*F30^D)"Y(#3JG("fP*K7X0QM%#L< MTL%MHH?$&]C"^_E7F-[,ZIPO:+1GJW9)//.H9)RD$*.1D5G<'QU^X3Z@#D%2 M7YMH8AN6X?V/6OJ:-!!V
*W=T@>O=9!PW0,.'XUD$2]"T5].WI?!Y,2"4 0"5 MP7!1>X+9$W#.RQ0]B+SQEO!V\$-A0QG!+;,B L5.0DFB#7ZOK/G(6N"ORQ#@W M0;D4&NX+CP"=ET54$7N#=.>:N3[&%QV(F!
5#Z7[2Y3N+\\QH!92>"6<%+S)-M*E#NZN6[.B.F=NH77M470]-K^.,V8ES9IO4%S1*2*76N- 3\ G3\[%K(MYE. M+F&$7KLOOBNVGQ\AF]M/'5]=D5Y+@A?AF$/_V9?+CIQ@#3WU^4L6
EJ_-^?'F[MNXCW@67<_YP;HXCISA8>?G*OFMP^*\"M5T7[ZZ]?PTL|\O99I\ XX1IDVX.IV6 MY..BAO?E]=WO?/#7"[*D NL6VXMQ^H"GUCTZ[HO51.(A[2@O$;[F%P#?)I/
*MXN^_H4H7ZZR.4EM*O17NC'A"EX%4I5]!!H.!F=1*&9'X>KBSI?7DR66&WT%. M6LJ#=I1ZXFU R/,19O/I*.XAW<*;??STV|\>"*\;,>93:YVE ?02LW|K'}>2F\K
M_;=6HIM8R4(*CY!2![CP&+!I42@%_/$ X\$;0"W+O0]!&Y<>[V6_0GMY#Q M/S84//!MZ)=P3=*96^\U)SK[X1{#<*4$B9 CE2Z! M6;?RVF(M_=<^8Y-IK(C'=E./LIM_^>GO,/\ TSR9?
KO))!]$05LB84REIZA& M-*5[L^3X,.\2X*OC^;88B)/+G&uE!/O(\5[PX*4A_YB OY .1O?W]= MHKW9*%S"Z_'5-YCZFT^=S3LTH/;P0\N"LSM\M"S=+X*M\ B5 MMI.<[5?5F8
*MW="QU/72GUCHP%CC18S3*TB/%ZC\!-O7&9[<;Z?6UB.%G4)]<+|U<|?6R)I6 M/KS&M&ULU+UY<^0XDB_X__L4V)]W8U5FPA0/D 1[CF?*JSN?965]LU4S;ZQL+0RG
MDE.AII)ID%/SZ1<@&1%4' P 5*Y9MU9DH*$N_\8<+Hf_/B7__7]?@D>1547 MY>I??PK_*?(@)B!4K>;&Z^]>??K]\|'_%/_^O?_L?_^)?'_"\+_|^KS!_"F9.M[ML6K ZTJ01G#PK6B^@N:K
*/15G\6CP3<+$DCR^B>PG|K;WM=/CQ5Q=W7!D1! MA#:7;3ZM_H+2(.:Q'*%,\P0BQBG$(F-01CS%>]1S5{JKN[_@(,Q33ADB+ H@ MBGD
\OPS&=93L,HC'$VO__K3UZ9Y^,NOOW|[M]NV?OM-J^4]E=?=K% 3QKYNK?^HO_WYP_;>XO3K,\ S7]M/M!75QI$*U;/CK M__GMPQ?V5=P36*SJAJR8)E 7?
*ZG;/WXH&6E:U;_R!4Y>H7^#F\N@-A,,(QB' M__2]YC_]V_\ H(.C*I?BLY!__?WS^]/DLQ_U5?\NA)W^MG>B*HH^9>&5,T' M0L52<=^NUCP]B'_]J2[N'Y9B\[>OE9#'EUU6U;-5-
*9>YYC),-9?_<(K8KQ>P MIXG?)Y!?#\RUXG[TQ>,.8IA^]L7NK-(28GN$!F8M9[KY0,U=\KN_NEM93%K$_/ M1-OA1=F0Y0O?BOV9 >C%YH1)EV=`K5/6!5?&_$BHM.6SY;&A3!
*M7W12/RW6-,PCY&'QI2G9GlV9R7[?M%U-R1_&O8MG4F(]__9=V&YG3^_7@45]7&ZE(QGX++>D>A&+K)U!67%3*PCTBXL&W^9JQ;JV49$%HL2R:0M2OUU6E MK-
*X%#D4:1"&#+),I1$0B2&(9088RS(,X/#&62IM-$")RE-O/M[NF"Y(VRWX4]# M9+;1O0ANM\$W,@]H7H&>JK\]?58P3WOY-
*)U9]_!9F3;T"8B=44NR0V$>:L<)+!Y303TIR;/D9M65IL+O]TSC^]PTIW^AQ"?Y MNA*\;-X1IE=^^HU\+ ^[7/Z_*]BJ_%:N[U^1!?=(\+>*$DC2- Q@&H=*B7$B8 M(V4 I2+/B P2AH/
1HO:$)!8H_;D6[/@OF.!T T/@/5,V.D'*VS-=,54B-GI M#GT/.6HNX0.!)HUB1GE6IN("RKVF"-J^$+"OQ'U71):D_IL42O!Q_=G[MNE[K>/KKLFX6B9
8ARF':1@S9=@E%!,*!>-9)&@(J18)HN# ./9?>;-0;-- M.!9N'=N0BE-0KH!XQJG>HESQ8Z>U_#T;,Y4V+]1. ^DZS"'[6//ZB47Y(@+)F MY0K0EM'V%[!A#&C.0,M*;4_+>@=-4\JTAJ?
*L^1/[W#M*N*U?_|-PTI'V=1"W73 MU^N56OE1+,L'S<+;[PB$BM^S/61:T!@@ABK* @HS%,I(&4A2S&3 6=6!MXH MM8DMNINJY&O6* VX)?R/_Q"FP3^3%0=B=:!
>=J)2C\%..X[C9Z;QO%BI\4V M9(&&8$ 8!)3]*2E! M5*3I#+FB(?U6_B1JH-SA1VK>IVZ_(.;S%SL%8&IF3:8!BD[U;#A ?R\X>(7#=B6 M$=!S O[8\.(Q+&0/@"?
*584%X5CUB#\B^4G%8P4W#Z!0GOEXJD^7MJE%^X?\4 M7!'3&6#=T9S2;*NU>*=$5#:/]%9D^7I=-^6]VL>OGOHW=*U4WQ=1/19,U+?*
*M@WFEL/ASP?B"!$IS,.\AR@6#..$46P61\SIN=.#7]5<(?UW>;YNT M9>>ZJK15I2U517YWS0UYTG^[_D8]WOZC%9;BZD9ML(_D7KPI[Y4?O"""4X*C M'.HTC"
*J7(S$<8PPAG)19J1,+9R,Z=@?@CX[@:64QWX.QU.DO M#+>=.K=!VEXM3PB%+XT\!8OS*N,)03[0PU/2LE/!@O%%N^A?%?'F#6G$.U)4 M_TZ6:V&B'$=NG_PLM:A 2TBYW#H\WG(
*-MF.FY;\G$5Y4EH%PVS$Q+L +A< MTQA(=$11U(+]TUWY^*NZN[<1C.]4P]B:L^QL Z$V&]/D4C?3IM^\]6UYS?Z^ M+M267M?%2N@0_5^KLJX7?)"481T$RV)EINB"(XRB
*$8HPP&6)$H1M3%3SA&< M.A)&ZJ_@@10<-*7^'^F8 +3GPL[^.(N>F2WA$Q.[7;NAK"H:8,=\2O0DO=G M*9@*ZNFM?Y;^_ ORDI'6[X(MJ[:\/!GH64L
*MEEVN>>OA[V(@<9=9H8&29XI#4'R%,*44!CG(B`(4A&N5N0RHVAB37(E_7] M/:F>]"OJ_>I1U$W[<%P#4HZ8Y\:=ID?23NL-,.H;GF#RM.fCNP0P\\YV^F M\-
*)E<'F/(CFR\T+!HLO .QT3NG!=-^VXR4!XOV+EO;@EWP>YIQ!%L\A"DC&> M4A@0G$(4)0B2C 20*XV8YE&2T3RR47YGZ$VLVS;404.^NZ>$G\,3'EY1,). M-VU!Z"@#!?
IYQ8RB[D_I&(KI2:>]=GZ7O#7!^GJUXR5:V4N)M. MK[$(&:%81"GD628A$B12ZB/$4,2"IQ'/,TRPC?J8E?NIH\,]->6NM>3LE-"\ MS]%,I?VP3\=.06[$,YKL!.$C
4!72R;+Q+WIX6#DML>GFVA8C/=>WV2W!S MYDM@K3?W$%X4N/S\C]K2^%%'LO^*<.B7$ 2,Z9\|SA1 M[Q+A++>P MG4DPXO W1'QI@K6#4F];*#NB-
*!G@W3'[K$_^GJ_]@MUY6U%=#^RFW)9,*5 M;]J2?5 *ZGTC[L]!40U7F3*MLB4,>NI@0!XU!#0/RKVO=.*0Y@6TS'B(Z5B*
*M[71Z9++^,"=)%L(.3Y5L;K/_^GY>+T48T"2\KA2)^U7#WRW)G>G(!?&I)_8Z M-%&@J<(0#$Z\@7I'W6M30'#SX]L3XI_?L)=+;K='SPL-_M <>-J8X^(Y[<43
M2\ZV_<9%&NZX,U?:,,+ZOF&+MCH]53=5YV?R=.G>/%53M$'0ZK{^)+N_Z/Z6 M?893G""1B#"$// Y1$D:0BP8@2O*HSB-1"2)4=#2?KD(4Q>:+CE!F5.X(; M[W,-/DFP8\HR\\P-
)/$=/SF,MO'/"Q:!WG==;7VQET/R&1LOB*BQNKT(D4X3 MZR6TLD5!%N%6X;HM.HLNODC>C9J^;!$'#?Y9:#JL6>M3S+YO3IPG:8:9@"Q' M"""(4<$AX""54<3#7!*.B+&2/D)@:CMJ2-
*%",QR#PD!]7BB@1;DT)';^1Y"9 MD!8.[D)AW928V0.U4TPC@HS]GF/WS:=>1KA^ID'&KG-0$K=5<7?75FN_?51/ M[U:L^F].1E$5R\N;Y-,PY
*M_I^IF;,7.\1ME.927K]-IF]*47\LF\^BC6KJ4Q!E]3SM,M%,8SG&*\E_2, M *XX :NR 57'"[@P8Q'B,4?^(,PS"4CVMLT&\T$4%R SWOX@#^\)N"YR>X6
*MS(G,U_LR%KT9_$D^[O]=4G$;%"!>:X:6QX8&0$W8R_##OR8V5V":] M"@]O_%&O>4+R M_G=TV/XS',?@9QK@\R'LM*-LGY?%4U_ BIX(DQB'$.4H 12SA.8XSQ'MNE4FS8S.
(T9H3.[Z|Q2!)NG8)P]NB_S=%S99EO:[$(B0)2VE 841#95!G M00KS/!<0A03E@M(Q?&BV8Z/,_LM-:1KM55/S,@;BPVWKT]YX<6]%LT41K,M M/
*$X=MMZR\"$^$H!:KY$=$_ZVNJ74GK;_*=5958(E%/MJPO9V!\]_@VX,(+:= M+C_HSI<;:D^;+.4W:W$MU1OT/P6IW]GOV@<*Q+(WUVSR.6:#*0H/#[3HZ098BO9>=JT.IY>AJJV2>
*MP+;B0'$%6K: Y@MHQB9'U,(%G1Q9-^]R*H3M7,2+P!GU_MQ6GL^QNTCR9S[. M92M9*O2J6?Q&_JNLMFTNK[\7]8)'64X"(F#,L50F7\PA(3&!*<$LCY',DLRH
*M,/CX\A.KXL;@.H)'L'YJF..CK.!YG%.[%4MHITPV9';FX;U2>A3$C..8QDRM6NHA(2CB)($LH% M(@E&U*K7]FE2$^^P31VU>WO_$91.CRHR&YI3GDXU':25OWGA?-V/GF2I,R'
MD^<$/CR9("N'V_Y12Zj5>NO6-Z)J&Y"^*9;K1O!%$[,\2-5N18EAFY=A!G.& M(XC#--$>3(4QS:,]P2=B7=N3P7\?*Y=+HMZ/RM.M6;!ML/)-&*%O+\O M5QUPD\)H@\|0&2G##
*<$@:((6I)7H"']3Q&>Ds;4?:?UW6J(W MY;?I&_%9,%$\ZO.>CZ+9#)T/DU2@G$8P9CR B -(-M-,(HJ5G5@HG0^]K|Z|X/Y2'?Q/),"I$DDC&,L,P)H|&BE*E"|+U^L=IBI*< MDH CZ5PA,B
T=1#WH&@!7U!Q<00(,XK2?1[3;X"-E]%(P,Q,^@9L01!E]E M(^-?@LLJ1XZ(9E4\,KS_Y>I'CD@Q6D)R['H'E?2^O/WR5#?B_G.YUMN]_Z8A MA-*8$@;C1#>,SC.EB+(PAD$>,
*(9(S'EF%&D9H3&Q(E)$04?U"O1T+7;A"5@,_M]_.EPMJIGB-RNJB=$P);;)S+!7=3-C8/VD[1C$LTJF-.W#]?>AGG_9EF.7.1 MFR/TJ?DJ*CV:IA)?Q:I6UG[7"U:;MGK PSME]OY-
\#NA!T[K/RL;.TG]NI %_MZT;9://XEGO?!"P.4N4;P3#/)41,;4\4G92QE(BI8RDH"[I\;PQ;/0-OIB9 MWC[UUKNJ!%VFW3SOVL'OR\W@=Z8G:$@E /BJ9}"^Q$HTNA&=_D_1BFGG>?E[
*MFF9NVKP/QTGOMBR"9SQNNE'_K#GZ13EP^C%H5D'+ZQ7X;_N8^D_W6=YXA(IK M?RZ?=R]^8?^^)K5F?0.Y[[GZ9_ Y86$O2D0AHP$1'FD<2X91 'ARE45J;(0 M28
*RAD*46B47'Y*8V"+||*Q*SKTXT,@6]".E[?':LS+ LU;@195_QXPAK^5^ M(C-O M-/>,L >1W'/7VVU6+HI%WX?
*UR],]+9+@,M4Y)3#E-&,4C))P3F&1W$0^G'M]Y%,MD&8(W$,=\<)UD?Z6BA[NDVDOIA MMW\.5YIEPYP48+-#3E]P<7O3#^]???I\HXMMRM4G^;[X+OAGY?8N0DH82E(.
*M21)2B%))(<[2"(9(H?$;@\>M-#LX.E9T-6U+1/@\Q3P.#IX2#G0ITA,#'YC<0SI/9 M/T9I5LO?0.1]X]_D%L?*W\."P'KKCR(:89JF*0R"5+D$88@@EB&& >91'$1.9 MYW8#X\:
*(3;RECU:MUB9NK#UL9MO:%QAV^]H=|_M*7@,;!?97OCI&:MV;?0.B# M0EV3>QQCN-2MKV~%=YW$TC-WY1,PGZQUAWM'2\TJ..R+4P:2\8]>X,9O!C+WW*[TKKU^\ M-
*U+|*1J=5OU6&>3-TVY^O/KPM:@:4JSZT&07O^]X0=:*E/;>, #F.G9S A) M#FFDWL"84981]7*.)+4KDJ*59OOO5.5U?4C*9;.1RC+"M9M*4]Y'=-NBT_V
*MN,S4Q8_P".Q4SX!C4*PZ\T!7N^/KPM:KAW;8,2Z_B;VIE]:X4)+5)K,XR[.0)+F $55N%&(9-M@T0P#/,((9'@:,,K"W+S+\!$*$]M16Y*@16G3'/88'_';.Y<*::?8]N1SR2D_ M*JA-
*K]H+!?8[E[$6W+({'[A0X|U;C]TX8]_5$;Z?=TP=N]#-B/S"O@J^7HI/-MMWS;V8>N3\+,_)L:?4LEV#.D,3U6 MKW^(LT6+<&O#[4)X/-EEKES,:G9=".-6^577!V!
*I;T@0;HH:YG:>E'5<;?2@U4P>`;GKK('96&]=12L=7&GU]-MTJA PP%)XOE]HS.#ZM)EFP_K_VA!)4K15_G53%4SM MWO: ,>,6?_V%PY?L56ZZUFZ0R\LN_5N7ZH=W]M8*C*59KP?
*N^@~3^6J7L0B M08+1'(HLCR'2YT4DPC'$:219Q+(P$D93'W\ZG^MMC9M^\[8_B)U$EDV#7AQ2T_Y$+\|HA'IU^]@WTK59;_HQ.Y;[2KH! MYIIZ;B-4?XG^*NS|\?
*D=6VG!1ES0RMN;,SN)P4YDCXV8?IC'YZOGT\L+-&|[MJ9>7]X1Q^@-Q=F$VU?N5@ MI0S"":H3#43TG3AUA-++Y$V=%OEDVM3(+1=7@-PJH,5O2E%\?;!26T6I&>4O M%R7?Q(
*3$L61S"#E@D*490$DB8@@C9SG&*2LL2Q$&2<\L1; "'EO^4&M.R M#3^@8BY N(,M@8"5,A9J<<;,!R.7VP^T;ZEH_XO\|3%8G+5^Z2*A(S "R* M2$*RF2_=G?#]XX!RI2VV-I
*FJ4!AG*4P0@G71E0(M<;J,]"0@049YB')BU3=]E-K4(8(NFV)'TVH\@1E>AJ<5OE"P=)9M ;_9S 1 MS-=IPBBM><\,3,0^.!DPNLFQ;$QW=ODD_X-4%5DUGZK0=W7]YNUW4;&B%C?*
*M<1;/#^O^TSIB^^_[U35CU5KPP;BN M11;&"#'!8,PC"14C$F*91I %,/>TNZ0?<7G\C%?^XUK'E3[+!M-]6"XKJ!]5V!| M8Y2+) FAX&D 1 2TB@B,&"!T)EK1.16L.*I&)U8_U&OA?
WZWOP4#:(6WD MKU!^=*2CC1K5H/E*&L#(“E#13K/K1P!VGUH&E29[G(9QZQ_@(=GIQ98@;/D! M0Y!|@&E G\#PNIYQT')^!3YN'VC'/=BRWP[>;@?P&$&?&&)?P?>IV)PW;C\Q
*MV =“UTXK'Z0>O-X"N^$*?.Z_ 6T#[-;"_3 3L,Z)'9, M[“G'PQ_0EV1^6"-DD01BOO9+Y8-82S^2&F*_EGW;\K?*L&V>OMR3Y?+5NBY6 MHJX?*0MD%F7MH4FDM+_ ((<$51
*C$/@CPF6$0L-6U>?F3]!0^!6X]@)0DV-,T[MF1\#9%P->Q#33L;26C5W'O$#[<6Y\?6FZW1^8@PPW;G8Y1$G>9Q%(H!13#E$*5=;3ME> M$-.8IR*+B<1V2>U:,$R\/=77(!?,']DQ M?
*\!?X'#^]7^)=‘9.P4(PJ]?]*0FCI=M<'Z838B,-LALXVXPW-FJ_L,\")7>IPK3 M0%FE+,QA'J-,9P^+,(B5QTZ%U8#'(T2F?B^T))V'/!Y#Q S6S7 M^D+!/7R^HW@%GK?QU9O-FT-PT&I>
*MXE9'(#;IO5ZPK.H'C6I_HV4*K)-&IZ8$%SZK2I'5FPI>M4CFN"GV&8UR]=AO<'1#W/B?G1?3=[V2$XLOT_M/3D/PE+TW)_OQ|52A|\^7W34,C(2,<8PZY$$*(2$P@3G .MS#MF-Q)!?
*YN;W60?$GZGI"A78A.C>[.6M^6_%^6RGSOUM_)~ MO-861O7F@7RjOF]\RZULUYUX9_?I@&WPF*%;$JP94D'GS13H.<**+,N]&'E M>B2/IG(TSP?:IP323CU@2%5Q-T5#*?
*HNS6QV2+QKC ,H_+.:SA[_WLU)/T; MD5"BK 2:09'F J(PE9"P6, P#85 68Z3+++T_H\2FM([OZSHZR1 QM[_Q6); M>__[55S3>/^C)#1/0F8U\?8DI:DS!'12R^[@?$.ZG|MC&;8\#9>9$>
*(%!#L%YB|_ M?0+!.=E\91&<.FLM.'-ZZ;I9!9>?$|SZ3|"3!%QH_=@Z TY/&SMYYJ7[8U,!AK\MOO6ISC+A*021@E3;W]$E,+-@40RE#&/&XC0)F'33&.9,S*A#-DR! M(5=7NL/-X
^NJL4=EME,PV8[NK'",>9-)$]-MYUDP4++Z2M[$$ZK\(R&B6S7G'!]Y"CMLS"2ZQIN-N=?U>(?RKK^M>)9S9_D M^]6CJ)O6K%W(&,DT(QRR*
*(L@X@A#$D8"!H2&2)AQ]#3E[IM/!W$k@)EV%E:,_37[5C0]ZL; M153MJ7[Z7\?#^Q4K[\4BSR0E>48@SG0GH#15>U40"1$BF?-)EQ%@MZDO1MM,
*\RH9VZ,"I=ZQC4_8M[%G>30'OP.5:];1:E?@'E2 M21>S,ZO^\@7>OK+SM]ZCZZ$[:PIAQW2MN^%N"8]C,&<$ICS1Q@C-81[0#.8T ME5'.94IRJ_*Y PH3ZZZ>'N@(.I7;'()BZ$9<([JE\V
*EI;V_<$H27U["P?KS M^@:GQ#OP"$Y>:)\:?UOQZZH:[/6[NW:[6V3!CRPQ\:Y2E*K6U]^]R|S3V,PR/E J$.R+Y1=
MQH.ET.9&J9KS9>A82G=I\P,VWI=RXM73<&+Y,I=>^MXOOW.EFLN^#LECFX\ MNFIZZN:WI%HIA5W?B*H=7M1% A8\"C*;+%)H8U:,<>S5=E1=%27<#(D]VI M0O';?6JOV">-
*!$;C7Q1W5K^ZJK<> MX4\A'"* M\APSE(?,]$3\Z.I3Q\TU+;":).9U$/0?'4#FYBF>]9(PELU<3QR3PM=V?K3WO MMCTFUL'V.WK1S'-
QW_Y]731/@^JJ3^IM7=U^):M/#^UKNCT7]]^O;MHHRB(.M.(Z0;H@NM ^)U.;$0H_>CD22!R3. YGF9-KR?C$F[_C!A#-60WNVK/$;B[N M6O?;FFLLKNW3-%,S/^(SLM-
*@'L;F]D]X6#C:2]/G(:] +\]5-SZW;G-]6IE^ M@$FZCD_AI2?KVK+|_X])NXX/P]OD75?Z]E.6WO2AE_]G32]E49=/G\]5#634+ MB1G&,<]A)/2P)12$D K"H;+\6)R0.$"\4=NN$1H3*_L-5;
E"SJZYJ.73H$S MKI]B6RG.^VEM9K'=$8>I[%,]I:<;3K3&:&&0YK.7>IF#WY4()+Z:U?6H)RV MZQ5_5ZS(BJF?V[$YU[1N$_H7:49"%BJ7\4ZWSD7-22ZNPV.68PYB@1-K"8P
*M&E.>>),J/!FI"\VTH=:.^1J;@G@!&L7I#S>O]A99+.8FIE7DR!H=[%LF-M9UAMN>AF7RGGKV?$HP-H+),PGL\2<]fQVA34<^X:|_0)N"F93$+1,JJCUM>FP M:>0-8IXCR2
38:!+G!#$$A$8QI0P;"(D55;[Y.4)E8@G75?#8]H?3$;8C, M1((7P>WTP(8D&-"+1!!&F4D/XYA*B!C6MCV6,(S"@*>YR#BRZHTW-<,3]Y#GI,NC MEZ$;4^ C0A78"M$?
Q;3'L_T8NAFV1M!VMMZ4<-?6AC02V,9<9[!VV"FYGZD M9VRG+7^8Q^N0C34/YMXRNR9F=^8LL7G /\PXFXGNA9.C!L-HZNT?_U:(2BWY M]>E->;^X6: H$A'#!)
*O5\0#13;2N(81CQG84*C!'.KVC4KZA,_-C39KD04 M;/FW>MG'ZW\?W0LN(Z5,@+73'%/!F=%KK,+?>94S92^YX^943J9>90V%QCED@HACSGF?(N\QR2@"">0,YZ*6(9Q%EF%
MJ@\]H3+PM-_3 'YIB%U2UK5<_ ,5L.UXD]MT^M)/2OE]H"2^ZM4/U!^W7OV4 M>_?UZB@$O4T=T-&>PE'!= M"T T_9TTH?H&02RK,!?
*/EADVPU'RZ3WFZY/D8!F+F0=TRQK(!7+$% M6K[IP'>,X=X;YD#+7?;,^5(>9]YXQ,A73.0"3N8-=UP.V4$DP\.2CF-AA"(H M3]S]^XH7=3M56W#%B>[XW)4:D!
*K=X)*R*F4$$F&]*1,#]8B2I-E';&R>S MIQ,S1EOUXIZ?F6_@8)GC[<;U:5CH!O69KIN.NC6]ZJ-BV#Q-<,&B8=Y1)Q< M/!^)N++%/OAG(CRNNVD>?8M2;?Z@15^B
*MXW=/;'7=O/T$-E2!)KN7Q&LY;_<$ N.:PX_P=FKA,KFM&I,B^;4A>3$DK.U M'!D7:=A?Y,R5#M7XFY$/;BG:G^|_WAZVO.=BU12RT*VD6@.FFPQ1"7Z|&HJD
M5)^M[P6_]<2#XNJ6?!?U(B2!QO)PQ+.8010A BD.$YAE:1AR)G%F%I^!O%=WL ,YSO MV[_^!38/[_9'>7@6#0I^A(?HUM'@11^F74.$]4$>[: P&?'Y6BY,C=^S'@V3 M$W/M
*EX5CT37->.^WXS6S.VQ0+0^[UM M\F 03*Z6/:YVLK|.B'UL6 %TW8+UA8E,E;=W_Y>4>N(&|_Z,__M1CM-VA5"4\,"?]!P70G76MB;N4S*)_>0:X8%L[#C_X%<7.L7O:+XLGE>,E'
*M,^J.O AC\[DJ+XG[,S?F11FY=`KUA6V&4Y]M11K1_Q:>E[>7ZH9JL:RSTJ2YOD!9[2!6.V M?8+I?0"W%^9>;#2W3V|/#^WV2L5-Q9\X$WZ]KBKUJEE@))!&($B3I47*KA2
*MV0Q%,8XD3@3$0ZM"]W'R4VL@G>9#P=Y9">E))YTA-JN,,1-\7V<8WG6IF==:EET8?6[>,D5!+"@, M8"+32->L)!#C4,(8T2@.\Y@1:M4UTX#FC 99YPMV3+A;4Z>QLS61O"#B;O<,
*MP9ADBKR#Q-Z-D!,47\CB. O!:3/B_*V.B:B%%,KM7%=Z1LGKLGHHCO2GZI7-M9/7GIV\KY)B MGM33+1NPU!PHBT]V:1]DU=@)6SS4.V@-M,H$R#GEGF]T7F_0V2+BOHV LT,
*M.+D9#K%M.?*8<^]$A*]D4SOB\V:9.@%SD%[]MLH$Z?%]W*Q^LQ,_*4AUJQZA M6 0Q94RF&4R0B+03DT!"'!(=!E*4YCV,0":;NXDS4'\SEN1X'/;.]'\704.-, MB8RETC%
*(=V!*0$6;I'H%-$N@Y6FF5/NV&8?213-(]<F.+Q M!XF=5NGHPI8PV%'NO:4K\"$\+-O V(D[*^^'^/$YFWT823X06N&D-TS=>#.-88!HE4 8DU],+E$/$ M"-=N4$Z2.(A$;-2?
SIKRQ%;&CA70\@):9L#/FIU?E.VN>[ON6+)(JK!"=UP] M3(J9G;:P@\ME.IX5;A9))%/AYY;\X>EK9Y>LX0+!:)%U8+S)4>XR/DLJ<%I M
*<=VX^+,-6O+%)6)=U.5*_4CZ|HWM1.;G|I_=V%7&251%N 89IPCB/(LA93A M*8XRPGE6'"*K+J.6S(PN3YF;8+1GVA?+AN.VZ)K9:5-B9J>/%2>GL;KJ
*M1K4_@3_Z_TX2[W8%PU<[7VG MG$I-XW5;1ET]D*IY^DCN1=_L$!.2A$&&893+!")&)*0!Y4HI8?6'. ME'AO9 MA#94)8_0Z)-4[5L&VF'X!Ff;RI<['2,
R3F=HF+B&..0RTXT!KJMYW&L.U MC[GB(O[65'&Z^=*RL-;U_%AJ:YJ_^M.D:KA:J_1L0^7?TU=I/W>*^R-=:,W>MRTX->#T.@BYB&2),PS_7((XY2B'7C
*MNB@A),X0C5F2.|R&VW,RX5X'&@#8AO<6&CZ%\\7AVDIM@FR2$;.VES[CR&32F MCS62?8N'B3^? <@B)GUHN1E.Q[^5BRB*62B2&(8H";,0_@B!%B$ >9YD(HX"D MD5660Q)+^]"?
*CV80GXPH_,_TS(2IVRL?M5/Q;^4)GXCLH7N)$7%'_<<_#=!|< M=!H^6,;5WZ'-KC9M6WB_D((S3H(`YK$>T19R#G,>YA!E(HEHD$B.A9VG6U?

*G/V&K9L]#O1Y,),P%BD*8QD]=XJD$$4X M@#*1A.61Y@+*8TU1&1[<|=F2GMH1&PQ87#8DTA/7B4(\C6#[#.Y--6[03>_HX MSN>7FGQH!X1%O.,8W?:=L,\T?IY4[%-U6U=OE:;Z)IW@W>9KR7=O<\, ^V29K M3:P5NI2LFZI@;3'/[9?/8,<*Z'@Q;YIM!,ZX&I@"%TM;Q@ 29;7XM%=LA79J MM6U$8+;&VS;B#MMP6]WG9B5TUHCV&;H.#AN'8> "YY#(,4(8B0I)#P&$%)&)Z0("8RBYS;Q9RB.+&;VAV3]*5. M=5O,_1"KC G<3-33U!1L--".R!;VFT$9D,=_+&A[)&?,9;5=XN8D_1>IDO, M.?%/-HHY>Z/CQ-1*Z9V;J1%LP@3PK)<[?:N17$>4H8SJS\(YP02$A 8IC*+ YKC+#6[M]+I4?HSGP!ZR|FL"[&#E>6>_'HIT,/?UR"4. M19/O5[HQWS0!5>G__0(]J/?96"NEU)7C1.//ELZA%I2Y:B$ &-"9$>37FY4A\1 M32$) <0R3! D9"9)+E%DDRUF2GR=#;L>/'EFX8:A]D;*6);#47^&J9\JPAROM MV@E3>BD4RD@+!(%(QKD^HV>0!DRD2)! 4B,G:K2+67\5D] MJL/M=]\V+HU%WZKU:3,)6->.+ 03!.,$P8AD&"*2AI"&-(2AE%E*TRA/F9'K M>XK U('\GN1NVK4F;K;I3V(RK@E]2&H9FK<3TGAWGI-D)-ZN;NWL1?7#SDP\ MN> L& &<.)L==_;ZBV;M;%K@[QKDMY_575DY?\0R2UB4)3#2828DU3\X5BXH M1X+QA$>84NPP(,<,V;FW84L+G!L]<0EN!N;)\)&A8:M5VEL>KY[,\=EQ<@1ZI M+Q,BY31XQ2-BETQ+N1PYU_$FA@ 8SB0YM]I+#!(QE/#$]_3NUV4IU@N?_ R MYM7ZZ?7UFSY709\/Z+A?WP=&,N7?"66<1!D7$-$H@C05&+*8!>]S*"2I41[G M0WJ36RW+)5 <_*I8 (I'36(-V'!AHQ?.@V>B.KU"8FO>G$'#IM(K M/(X*\G*8+'6CL=#C2O'\,C-J0V.9GJM!\|L<,!T5@6)U!U>Q$A59*L_OFM\7 MJT*??>C:X/XT9)$'*4YS%D!&0N6M"1S"/$ZEDPC MMQ+:5[:X&=%YD*M@#C(_;:[VTU_#*IRV[;Z>@!/);ZJE16)7>;%1]%\DK?D M^X+'(<)"6$J:0)1JHPJG%()68"Q_E.>9U8-/2SI3ZQ1AK7H93L6@W Y:4/J M#MWN,$4YTRT30F>G9(.H=<,TGK'RO+RHI|FKZUX42_V4CB,66G2+?59E9 C M-/O:R'491I-&NXCT_/(NC\|LOU'#&aA-FO-SUT=/#=_.45'5I.-M=== M.D ?: 8FZ(UK+.XDI;2.4WS!UE*C$(RWF1[_U;XQ_F_D>W&_ON\M!R!*&4LE MA2(0!$0)CV >A0*F@3)^6$Q3BI,GX M/-4^Q?P% >:?KS=;3_FC8@SIQA^_X-(V:,W_@,5C-U0:,"P7O7.S/J+!3ES J;TUW-[):Q+UUXTV=,W:I; M%RGCB&9A 46F>Y3ED!,&8&A>B]C$;-H?!,]/"M M?XE EG:SD2Q6A0C'&'?A:L->:KU73 MM<_X7-1_]C9Z55G:Y5W5K!A?[SS%[LVQ7M4&[>L#N:(1B%*PY2$D,:ISL06$202-M"TC#-,=QG$B>4+N6=|<)3;P=MV1M5@)Y^L@+6+NMN*4X5\C4+&A3UL!'?F>H<2LM?E_7W1%A9R@,(ZI[U"^%0N0K*#_FX M;GP=89%3S'AD55%I17WJ"_J&%R#+"O">&T!Z=JY M67(\A#)#F/#H.I4R%E& MG'N28$?S"CQ')5$$.1Z MJU&8L(BH5SK2YZ"Y>J^C/&4,JP^EUPLQBS/TVK)6(MUAOTE!R>=N3!\K-NP5/"[>^YD]==-"9]O'?C]_W>C;^79:T<^/,#FZI@XG=U MP6WY1JAM<5^LQ&^D^E,T2BWPJG!A@:GRJV5&H0A8]NW@'&)=GI+D69I$N90X M-P_PS<7UU"_YCAM0:W9T)R3E::[U87M3 KYA"=RW/ &V8-?M8K/=|=MT7X]A8UX-KW!S89VV=-Y=V!]H'<3\ M85OP%&5DSC+ID)Y* 1&E,Q4=A9R@.(>)!#(G $!0UD'1,L$\1\UO/>XA.K $4-=.2V5<$K MT35F-GSI'D7$P'.l0$Z[/;P3T67 Z+YD%A[.!1*Z.5{[23UY-BTS<_[4-9KXK\%?_5 RQD&U2\KFO1=&G!E>!* M'7U0?RZ6,2V3^DPI;_Y12=B=E0\^;V=W+<(X"|.,*[1S!!NMZCYO-$Y@%N8D M88F4Q0&R6_+QL3ZRYNM%URW)U!|5'!98|\FXI_A,_1#-SY\=!-';*=EN_.!! MMUO?B "&,H!.*"+"1HGT##7@%O2!?8"?*\/.K;GZA_\J&>=#W7"(@,=,O4G"Q#8TD#=R-1U".Y>IH^.Y6- M"N6M4=EQ*C/W*1L5];!-V?CE;KM3Y[/N.OP\?23*&=WT1"G6"4T[%M)$QE]]4G=3U!>Y$&2,H82&#-=-M+\U) O,H)*R+,LY$K'DT6+5CF3BMQ:#,)Y1,?KBYMT7]X6^2%4L3]/IA;L'-MB]E>==9#2+<%@{IG[<NG ?+ND?B\M#'|-/-MB{23>C]7_<4G0-H!8> R^YOJJ#M_7[_=-6^K2B=A?"R;_Q3--I&"6S?%-UEK MZCV_'=6H&%E7HES7SW.?%&-<;,+7C*_.8L"Z9$R>E=F]'XB2]IXXD8X_|MHF8D!T+9]"/9W?QB+4D.^!_K2G)XL>OIEPXZW)+O.R_CFM9-15BS2),@CS(2-MP)0K/8-(CI5%($.8TC26(@GSC%HU!QBA-?DIF*8,%.EGCO"&NF5X?0PS,SO! M$0)V^L@9!(=#LK/B>3LH.TUIYL.RLR(?'IB=O^72+A_OBN^:",!IF=$7F@B-N M SW^-0\"/9;'"'4@(TW-A!0O#F,:8IVX=/PYH3;RIM{6\NH4AJ!\]00Q]>Q,< MS#:R)^GM-O*.Z!5HR8+MR;6!8X[>-M MK^+RMV)5ZD*-M@KJ;IE4;]2+5*0XXZ$^,--!?!0&$&>"0TYB1%$B<<2HPZG9M.-5Y3M&42FRJ@JI;6+XN/ERIQU>N&K7L4IN210^RW7X_@Z?9EO< C].NW]#5 M.'Q\CL;F*W1?7T M9BUNR[??=?!6?))O5{)47Y:V5/*^,8W:6RPY\1N\]YP1L6 %|+?37N^=&%_@-M^+G2\XW6(UWM+|-O?!A_(MSLM{!GR*QB^ X ,?3r>C,%M%W$'X8V'>YW;Z" M~>V]4.I'N12;Y%K6!FL^KMMXDXWV> \^+#U^GZ]I-I?-CL>_.'-M;[;Z9]VMQK\%P&:.@&>\G#3!AH MD'TWPF$%O[1ZG7"H*[IH76!"2L9@#EB,.490&NN8ZA#0+4Q3&29@2M&CT'!$S M+;)=V=I++;RBV)[[8W@L<\]WV^?66U-M;]>=-X=[7YR#C/6#"QR.X-_>/RS+)R&^-"7[_=5T?4AVF2"Q#/O61A1F"&1 MZB)B!G$N0IB0*$]D%&!#*_H\],G-Z)XV:(D#3;UK V:8,F. U?CF\HN 10E] M4GB7(_IQ%"S.Z.VAX798?PDJ=F?W1H*.'N"/KS#?*;Z1), ^,\LWNL%1<5;/X MK%NIM6UWDP2GB9 1#+. *1V5<4AY2*&L3,B8D3 +C1H1/UMU8G7T17!Z7ZY1 M5$OPFU+CZZH?XVG1A_@Y"F>TCZML=HK&42SSW71.C+W0+IA|(97O^W>[L_7 MFF<+'6-_NUN.?NA8&$.6>L;&EZ]"-|_*SG'O2R(QXEF2!QFD:1A#A#/=MEOM_M%D&2# =)(BBVZDAVFM3$6Z@G#%K*8$/:L8AT!# SF]D/#':[S14!^W*7L\+Y M*G$Y36C>L1:S A^4LIR_PS7"W1YX$MU>2[PA#=G,= H13O, $1APJGQ9GF!M MFG.828RC,*2$":.6#>><(S1/:'M &FOC9J4YV8)E&MR^"P"FX,2V]0VQ[7+0+M0MLG%IXYLCTNWF@^:\SUKKEHM.G;C.IF+H^D6.JDK7=E!84L^!E+-!<.Y6D. M(CYFI%W 4AS /XERIBL.T3 A+&(WM/OWM(#*>YY8%,.]! M:-O*S[+9:=]+5/XKS(X*X"NYI-G:\^:2'1/K('7LZ$6.8V;W=N5NO^K=^YON MW]++`]KE+'/Q/0:K;,^7MUZICN;#]&_HK41,T@<<<1EE.I8 M4DBT44T@37_"<(!8U128A9+FI#'B7?SM50W@1+*59TS$"DO97VQU&$SP? M,Q?OP[A[MPZN0,_54S<(E^DD@[;OY1?%_E)L/]..@[JZEPN0]EE^6@G0RP;T M<$#+6[?9QW.4M3GS=<.BWI@KD.'IZ7F=[?]RE8 MGHRTP+XR? "O7!^ ?3LR;YCY:F%V.4/SMCWS!N!![JS1_*]N78O2G=^W1HF&I MQ>"6B;593^DOYL410W\&EK]3VBC/KO550BA/XS2$(M0'IRS)($;*.MA&!Y0A*F:PL0-Y^:ZLC%U&9"SY:NK-DR!10;C:L/7MYV0S#=(5]?+?.!J;E MV]X.QS[Z"TP:D7F$UF9NZ P0.\X!G0YJRX&>%T(T/]#3=?$9!VY>*/_S 9J7 M+N;F6JJ%ICNYW***^?O%=-YCM!1ZV/MMF0J#O,2+6I@ZX\$A3F.%=/D.HP-MI\C&B[2B/O&,8,#+9L37CAL??67LH#9S "<#T$[^\3.VJ%SPL"3fV9'>U8W MS0F6?8_,;1%[Y^O3NJD;I^E M^9'1;FL/.&ZKT]^ (EL\%GQ-EF!4?BM?[KQX3J[=R+*S>?KG11LZ?@97NZ?6 ML;)Z**O6DM#)R^*U[B!0/;TNN5@D4@8L4@ &2&*(,N7[89S%D*8RY"G)142, MWN^&].9*M!NP<-5:)A1JH&<$:$[LD^[&8!S?R1. 8[>E?>#BE(YG(.U%7EC MZ\^>G&<@[+$08K3#,9! MGJ-$)!%/F6D9R3$*QOOL+V46)BZEN0H*F?"+QYDM;6M+<6TJBT9D^6"\.I.C MR\V6<3(FU!+#X9/0Z-W^ZK5O^+1]UM8! KRC3QL2@0#BF%MA8.*%-.^THE8FW6U>1W1$%FIJ=]WL<&#,O|V>Q[7;<@:03L2-BN3) M.3U.8U8G=%3,?6=S_&'+'U(EM6.TUJ:HG95' ,UFNA?9FW]9-<;_SBMZ1HNK^ M^DG]%(_W*^7/KKN&;_CQZG:L)1E%*-)"""$*A3*-B_N9RT5/9)(C M@DG!})5ZX96W>;,PIH#U("%C$B*7=KVN;\IEP9YVNYIB'*8)C]$,1=05OBFD M*94PS".*@D"FB&*WIM?[U";6L0/"K[VN#\Q4WE^1+;37P.;5Z"C"O|H_SN) M*CHOI/=^UP>$7[=|2F!3W>[/GF'8^W"JBEXL5SKI7<9M6^_L^6:*R6B6-=G M.GN+1/R3?$NJE5(W!8%VIQ?0=O,2+6I@7@#CG5A4.YM85;NIS+GUKT@X\G97@A,[.]0#_[2L^3ZM>."NU[2NY&?*P2*(H M3%@-7NR>RZB-SY:FV)E$]2*)9$)*'041T53MA%(5)IGZ*8IC1/*8YY8E 5@&B,6*3GWIKTJ#6M*]W5(Y2!)ZV>UM;L_GVX& M;H](@R#C%@9!0F7$)1)S',.<*0<9(%,>"11$B"_5&,8)KFM(?O[8]_!'@; MLA991'QZW,Q>';Z0L'N:]#OQ2[<3.\)78$#:,XKS.0$]9C2?)#5[O,YH8_E M*X^]QZ&&[K-X+)>/'155DI4^_OA8KGZOWY3+);GJ#ZS/9B!2&8XD"""C!$'$ M1 2Q>L] $2-,8J;W]BHT9DYR8E?-EL>0,M$>ZJHV "_?P$(^##:XO"+3,8MQS?]-.#8;7TC7%PZC9L!9$YATHMYHU3X#9U:=9R3Y:C&:VTGR59U:2/2LS MLJO3<=91/\3DTVIVFC0X%?XHFIM*.3{(D)21DG&(8MIJ/0E%!F(H=IEA,N M]=P2C%PF'1G2-_K;7SSG;#N\M|:99.2N$L)ANI$H!*3) DC!$,<8CW_F4*2 M9"G$(8F)C-,\C,/%HZAH^2)H]DIDR, /"J29Y3D%.':OHL'L)Z 4ZHZ-88+/ M%?BH@ZP=+OY'1%E*[VM E"G9><=#68)Q.!S*]G[[*KL/4?86A&%1W?:&B>W_ MF[]?S$OH=E*.[U%G >PVH.!=H^>%RE&FGLK?=*K-5N1TP/BQ[_S0<;;9VB.[M0M2G31[.)WFC/M"G!^V,/\H3@B.@['9CB]'K(49O!QAM M> ?QC"R\!-F(!.O$6U&-.<=MV8#P[%H-ZN;W9O5[UZIBIJR0QN]]JUZ*+6> MYGXCU-=*.;=WBG .1;J!"B9NJ^+N3KUO@C!)2"922)ENHBBPA+GZ%81#7"* M>B"QU<'@A?Q.K&ZV3("'+1=Z$[5'#TK=*$9 TW%BW^3^DL=@IHAF!-=.1>UE MW^N9D%O>KL .]9MG]T9U)U:YWO RF-;_4NXF;WEO@?HCK7C!|&L M0ZRI7T(IXK>/BL#MMXVV'00AIE)ODRF,40Y1I#D"9)!'.14HI$FI+0+1/1IWBSU;/7*[^/.Y MH4:#RB=OGB^.?((9Z'CLQ=?G+AQ0ZI/5=OU@+<519OTU@455$J8FGES1G0G#6-XX%4X%%3;X_1>7\BHILRN[DC=_43])^F M-I1GG.RTU_/S=45?-R?I..A&7/WL[>Z M:8N/HM&9C3=5^5APJ5]_5]KS-'WRCZJM>]XK>>;M:F+'XQ0I*<1(@P$5REP) M> ;19"$4+"11G.,TH7RQ&TU_=C.8DI;2'5L&C#>&8@0PG=ZYKKM,SF+# B!; M'NQ4A@6L9IC&K#L% (C&J4V#W7"AV\W__'L'VB](@RPNX/H^:M2*Q!\"3/K$@ M/*M:L0=D7[LXK.#@_KQ:U\5*Z/2U6K:G94JS5#V3Y?B7+ZK[|Z_N5HD66MUXSIW&I%7S=ONGI8BD9<_]:UVW;Q$_-5U%U^>2R;R9POR7*:T0CJSB\0L2R& M.1;*0L2)(#&EH.32V(V;FMN)S2#%1-7FG#-1! M[5K_K!AJ^]*S229@'8>M/Q:N#.3V$#9_!'>FYV6G7#.1BP?@4&S(.!\|I3 M9.L_V D =A)<@9T,5Z"5HBL(J]_LQN'.\UPMW-T?Z?FZN<"65HHTS8ZM13TPD-.TT:GSN>6\[4V2_@^.GB!6U/|J5 M7]_=-6^K2O>JN+YO'%KW/U]@XITU;&VO'"%=MBC=0Y,N5*-?UWM3"MH++J='_M'BKC.\\;(':,SR<6KDW_C\MZ:<__O55?HN7_<<<%.=/P_<;'CX5HE>-&\(ZP=M*-0J_B@A(B2"$9A@"!*;.YIEBY)U4L"#@ZO35SIV4MITQ?QMUV'C M727^OM;)C6_*>U*L%CAC.2$T@"E.E=<8TDQG*Q,H22:E3$06A7;MDL[3G'AK M#@B#+67P1T?;)'2&QIVMD+J2OYD4&%.?M4&0.P4$;(HM; M'T/!;LL/R%ZI'>%)AM\9B>BKY&"4UKRE!B9B M'Y08&-UD/USGMEATB^S=3+36GF29$&I7IY)3M66EAQB*2)(28XI#U".9&(Z M7>Z,EV M82 AB3,):(6&JBH%+4;(O_K(T?/-.!H_EJUCQ 34C M[7?)Y#$R"D$73+R5"UH1G[ENT 68PP)"IU7LXIW*M=OB\7HHPH$EX7577O'S08S"6Y,XTX'UZA1E,V39V8+;YT4,1K<-KK:WNC^65?/U M^EY4!2-]ED&8;"),"+,X0#1*)TL2H3.3X\I/O3440!!3-M3>PC,)RWKR\3SG;7#>3RV>)K5(X+K.HCB\YF4|\6:&A/CUSED/#\OKQ]7:Y6 M;?OU+Z)Z+)BH-PT-DSP0%%#N*PT(1(1$,$>Y[F)*TVW7&176H_1V2W2(?U@X%;(QOEX[?+-STOV&BF MZ,CM\^5XGI?A67:FP>47GIG5@RE4K[K^PE^^"M%T,]"/?I73[L+=,\0';^[M531?/?U-\#ME[K\1=7'/?)8ZV,^@6L10DD+& &<(CB/3Q=T[R3)D'2(0,TY#F M5N[_=*Q.K N'DR"2S5_KF07QDU5,B%XK6=D?2$Z MS*P#04HSWG=U@=T(DAS'.$Y# 3D1 B)$!:2$8LCRD.<\EE&0(QO\;T1U8E6^ MX.$;,U>3[@BCV-&WT\MF0)H6,_PV&G+Y\4JZ9'9Q8+?&V!DK02M9/.DS\QH MSJJ.KUS)V-lN';J^_D8K7KY=E+6[+WU8/Q9NB9GLCP<0Q9+3;S_PY MRX*NBKTM[MLZVM|^WKP'FAOUP,J=2=&R91[8-4'1?(37,T!V&L 4FTDFGUM* MJQ0$-EE_MFBPA;##L+#-,0YQK;;=R"M2"SY,7A\$_5\|J2|HU"U+-V(JTP M;$T;/41D\(>;=EC.@F"11:E$,(V9;K.NV\O&6:HLBS",LEAP(@/CP-BCY M-M@NSH@6Z,D$5DZ?_C|DV7(\>5=,%7@6GW1%29"=>X@"1X^Y=R]\YK52E9INJ4 MW:D?85@EWA,*T"$96:5^^@&X1# V!H J9RQMCZ5]23A[A_E+1*?^,^/5ON M!*T'=5]XU'-715?49[@S,AG.T)C\KRLK0?.-CMK#!B#$>UZ<>WV1IV] M&[!757^]M!9;P/52NUEO>^GMK.VX7*.&\LRK\]FX<=[WS-.%1]W\@_L=?,), MHARG(<2Q8!!)@2!%H81!F&09"Q&-J+#I">C>*\N^[=^#?L6IZ]5I+,Q<>3-U ME?+>#6B4?T_NMS=HRC,JUJ$!S6?3FV_L2?#-4E1W\KUF47OVM9&\DU^+ZI_O M7O7_?B),?0R=DTBFE%,F)50.N(0HRR+=@5-G9@F.<)#E% 5VP\@:E2;;]^\ 6J8F<>IYP,:3U7'A8%;; M= 5$AQ:LFJ4<[=SFY6797(;(4G<;_1<_S7H.+:M0.P({XBB'*8!2MO;"4UQ M C%FA"613BE);2**AG0GOK$,N0!\ZR??FM9T'):**U#LV+(LZC0%U!|, ^8?, MTC0-T6HZ#6L6AGT1)ZGYM)3;E]DQI#]OJ;&#XBL\6+|N> 79MB)4N__M\[JL MB__N;K,4(8QX(S^U87$R)8#+' &$0$9(2,:D0O4IK8;+17$S(@",3?VL%D M68MV'BG#RXH/^2TO+@,J'F\MEP3Q=8,Y2V?>V\PE<8|N-A=?<%/5KT{W16/U M1A>-O5|7]>V*]Y^)\KMH2I=I&:."A11R3'.(MH#+QVNY1[W(#'9HI70+-3'<|0F&GP?8H6*NSH6R>E/H2M5E5VU#T0P4W?=|?D+)!)$F88,IESB#*.(&$1AY2%24"P^M_4:-*9 M(<V)U;RG;C OQPDM._WVB(&=?A^+?P-.XN#/[K^3> H,!?.D|)>HS:KTAJ(?M*KWI:VY*.\MZS?\JEDME23ZK__J48J3,%VDNXRPW6IUF0R5I=X*$.^(.K4 M 9V&ZFR>,BJ#.,UP"\O9 #ORS\YN$GAE 5DWO@XZ=KBF_G7FPQ-7,6DR'EIWQ M&=]D$H(_IS$B+CAX,FF6I*?U<2X 7-H<1Q7<9UT./!@:I_EKDU%N$"($AK% M&90RPA#Q+(9YDL>0!:'(L<0HYU:N@#%B$ON7?2=]V7CH=R.D;6<9CF!F9D|M(6%G./9!:,,4]Y=!%DZ;Y,*1TC-/*+PLM#'LPD-WG&,&;CF57W\UZ:H M7W>=V*MF5LG#$UG=O>@EJE_4$G7U>=4F6?TABL>G6O#;[Z)4,#?_^('48EN< MM4A"%.2YUJ64[MC%4/8-VLBMK+5-8?!DK3Z,J/PN^$\|+8=:MNU-9MZVP@[5553?>]E;R M@D[@&]*K"M16]%O0"\VZ.1N'P%:OL-0/(J>\@:\?1NQS MH;4?CD&O X?OU#9 #B;C9HR&7?$?SPHP(B&{D($UX!,-'@T<7OWO.PV<'@$@&D'#I\B_",,."!X! MQ'#@\-@*UR57KN6G0ITWQ:_%=W"DD/BTJ3>E& 8!/8Q|IW/27):D%%&$898P M989XI.X G&$8)BAEF*4\R#*K.X!'YJ9.7^I3,=<2M!R!(4MMB^=!'YY;SJ67 M#V5X#G\C^^"/I7D/D&SYAP^BQS_3FY)?IV)TE==,GDIYS.KVP|B,)GCY!/9<% MZI6&?!?>(;BK75\'6ZK#YVO:<,FP7<>K=J<.^_?"VY6M[6SV\Y?,,F'>&.{G-MN\G5:(QEO-<4Q\>J-L"X)Z=3BX>2"L_5T&!-GV,1A)#G7*:XOI6!%)4J>B MN3FN^:'[J9! $&6444I8&$(41ASFG$L],H%B3)V"+,>Z7BDZ1(-,66CBC<0D M#=0K/SAV|@[)1Y2/T&;.DW\$R3>FDCK[?!L08D9QXE:P[^\?!9BW<=>S@] M/#_^U_HOW3/F_:KBZN].[9O.KC*QHC?$=4\B=8>| 8[%MB_1^_6J4O?,TJ8)-M_P4T+N_-_H"P4^R+&'A.J#"7U:T?I_FEYYW%=%'$HRY.E|HP+'WX3HJE/A)\ M6I>ZQ/&;8)NR\9CH.1V_D:KIVQ=%[^MZJ59Z?/A++++^+W1;K^JGJ3(;V(5?U M.U(5U8(C1,.H%#!CL:XI30G4)H3(JPZ.7KG<&+:\4=1/Q4K$(07 M04K+Z@KO\IL!/&F$-L>-V@=-=OS=@"WO4*Y+[+1+F_ 1W'K^I?EXW!4<9*GT>^_M* <:78OO/32SO!G02@;_:#W>W$N!_JTIW [9R 2V8QJ[1]>#V57/BG;]Y:U6F M@O>HQF4R0FZV_-VF*E:BJM1UCQ9M U!]JM/.EUOVKTU1%0XUG';+3J?X/1]@ MP$A[R="L@ $ODY1TNL'@22$MB<^J;6["J2XRKV0XGT\76]+'A#XG,MGJNF M BH-DYBF00191IN0#(<$,PIE'L1IFHN0)T;.BO,DID_IW!$%#57K8:!GL!FW MS%WXDMK,%#L):32T:E^>*R45G%IYM>M&X8,,)1A>>=/4;TGJW21YNG[>,;9XW M2WU:^Z5<5]7OJU*0!=X@?R'%ZE?UDW="G?'$ _E[004A,DH0C!'%$.4R@$3$ M&,9SH[E'WCF;/U2$0,[^D 3M_4\OH(HND-X!V@0O%@%-P|!DT ML^ GS\<4O7E&?J*$UI_O4,YS'/E;?i!*ZKJ?O_5**4]?KMZ=47&=>3XW0FG,ADB&B>P9P@!GD>BSA%/.>)50K*:3)3&\.^]*O84G4KC#L MQ\RN72^RG9'JZ=V_'<5Q\^] M'X6NG/_XO6F1L2FID7U;L%C2.(()#D*(DB!7%Y&$P)3))$4DC .S.6CC9"96 MS!U=T! &FK)%H]GS\%RXBW@3VDXU3\KK,LOQO. 637:[.#69]?NP]OUV+TH MUFB;W?-OS]=1]Z($>\UV+S\]72KKG;Q8 5"=*P%H\XJR7-_ "8@YYAE.(,G7_M(BA,8,P#*5G.&6*12QKU9Q-;Z&J90FITK{>)*.5&YSGDEK}$7 SV$UYE29WU0%6ZX]=QGS=_6[:\;MNQ?1'UG=3>&QF2-,A$ M#-,P;>]/<]W/0,(DCC&B,4NDH':]G2=AU,9@.+6'?M]>Q?40B'K"""!;3NPL M\T2?R\Q,O_TGL+/9;2GN'L.@Y7CK3>O8!CW?8,!X$P_$"EF0;7E%$RCOP3\NU :0!'''D#/M!DRR%!(;!! 3C.-MY&&0Y38G^.E9GOAHWQ.%-?D;+'=D[;: &;Z@F:C6'.)NB$T!GJW1=6<@R?F#159"+0!TLO\D3/0!#-)8IJ+L M&H'O)S@U"6?7U(9'^-WJ'Z1LV&KG>;5ADBF5^JD/XZ5=EHH38=DG0LX[$@RB?.Y/5C7:-.8"9Q!ED)!80M$%19"*B6%,HYD&+16:}_.8DIPY+[>C9#T.VP\P@/N4=!3M;T)*.&?0Z,3BX M 4-TK$<,FZ%C$<3RCD);0.L'6G9A+BO!1T->9BO-%_ZRDFPO%&;WHUY*)8 M?%3GLOKUX[,H'|?ROY3KO^HG[0T@]+=%A"6G>13 -,=M#G1D<0)+P "))_Y'' M>8]HD16\0&=BT]=2!CUIT-(&'7$S1;^$U+CM\RB_G<%S%-U8:PT%&RE:5"NT M!QSUA]VYYM*ZLRBNH7"]MIH^[GIY:6]$GY3>*ZYUV4SU1=0+CF3(94HAS7FD MD]E2B+,@@+'(\TA0D6%BE#-S@<{DKB=:@T+=_9IA\$P3M;VLG(8GST(992&' M2,A463"40<(5/&$;RXAR=<)+X\5^/U@=Y4,L;E(ZOCU8IK>]#P M2M#[O;P-O2; X?/"-BJ2MTO.;2HS7\Q&13V^C(T_/FWA];9-XG1N+PXQR3,] MDRY*8STB6_U)7=4@2^(4XSR-D@1/46!QG,G$!E'3^X]_"]/@/\<[[7]&U\]P" MS *:@XVX5,6PZURI_EQ4C"R;8N==3?04Q9-7@S5S8?,Q'S]D ?-9N%P+E<\O MZ&;C#CO *:OY\6^VW'!],.R2JA>,29%F60!9'JK3&PYBF$NLS%G,2! +CM2= MR\;#[SJLY0IFC\Y:ESDDQE.%UYQW>1U><*Z?-6M7ZLGP;5AJ!:!VL13 M2@G,>**CR#&!F"(" R9C(F46),@RO?0TH4PR;SOQ22(S[IUC@AJOMJ-/.Y;[]!VMUZ_MY.X%9O3S-,BAB!:6P@=1K;T$1R*P*N$9HS;Q'MO1 M!!U1ZZR]<:3,=-;_':JVY,%|OBJSC-(UTAJ7J4]HH|3FK4 Q$?NHJL3H)3== M/Q4G[7/"7KNRE.K#1NB&9,.-9(0TPREN8 LT"[%*,7JH)V&, IQ$L11$@78 M:I2N*R,36PCURY3:V01G1,W,Q1PXV5F2LPD/6[9N0+T&5(!['4O";UGEXM_*8 M,78M)HLC#,.LXJ@.:\$ZMSY7K^>0C=,&50JR_$W49<&;&K[OHM)_K@7_5JN] MZO=545=?O_W>7WQ1DN4BC2,H0[3LE6_"8IV?EM$LC,.81^[*89R:9D[_ZL+' MSQ!H.>K*4W<\@88IT'_%?M)\&8ZZ=,5[W)K-@**=$7,!T*5=@P.2%BEPTR+[ME@_G]5?3+C','8[1++#F'9>=+F7.7>2[_[HHE':QY5\NP5]/0[BL'X[6"B',A MP@B2+ P@H@F#E"{&0UV6ENZ= S,WB^D/.SMS:(C:[J9(T7F[\-TVLJW9U"MT!.? MHG+__>7dU]=P<,K1BU.[W<@K^%/H)'BY+I^>;_+0/1<66ZVI3ZD1YS8OYN)1C ML;;;)\V%&0XY:? ^08WK=JBYXL=SH&J!= MNDL;O!,\DV)0YR1O6F-\)S^2)\Z9M5Y?{XO9N:.^T&^@^7)RNT3 MV.?P30^.KRR_"3F=-PIP>LB/,@5G(&E_%GHH^6U9?E[QAZ(VG^BZ_],$EK"A M87[.9#H\AG'71@[<_)0DB8;.]#<[8HLL7W@F_($HS+:77 .2V2T^GF8*G9 MCC:G11B>:\X\X1C+O]2'IEP;NH__VA3UZ^=559?-%;1]TH$>GLCJD4O4>U> M&]QH=(1G(3,BJ ,)YLT:;/M(=]2+]H:LN.V]^MV$MB'.M]3,15(N>1>]NC2.84A&K52GG$#.;PBQC(E/_A\+4*GUM?_Ff'6?K?EY>2{]R MOGP A9GQ=A?0TD]F+)NUB3LM@?K<[#XK(;AM&"".GOF^3=U4FK_O%XU < ^_M/HWSA&<\@ +C$"(4,TC2-(JSN(X0Y$>[FNC44<4)E:JEEX;A;,3IV.LS%3J M*@GMM4HWW 25%&?ZY M&5?5M&!MODS'(M \W@

*BE;G7_5V7I*H*6;#CCM{M(J,U|/: [PP=O;_A\H=I MZ>T!:IN>WC{(V;NQ=V{4)BAEZ,;>?VOBX]..V/\T=V8?R'79F>TNDITM&OBM M?87#SK/OY+@^6&HVQ_5I$8;.ZS-/N#;7N^5W4RU5RA]9Z8X)=T5GOY+(S-]8;$^VXK|[HTZX%W'I_%:K$W<[MVI(]>75^)4)X%L8TA#@+)4093R -< Z%3&F094'&S+H &U&;?'=K)LMLB8.> MNJ,+;APYLP.^-SQLMT9G*!S*O0U$!%,U/49KYN)O {&/;\!-7G(M!5^S?SZM-ME^J-JO?@=\U<[M=EX_JOZ[*@F[K)O%OK=A'K5:UD5HL^?EXIC1-5O1!YVG2- MA"G3Q:(!T1.!$!B(3%" <(V4>LD6!5O:,+"LA2TKEI"ESCPOOK_2^!188>E M\ 2[1%2&:H(=@G(>9>3&/F?[HX)_R*+Q)W@G M'HN53C<"E"QUZNV;? (;$2*13&%$,@P1CC',U7> *$U'"*C,B2"2[S_!QQ7_L MC] S;"BXV^-O]FN.C^BED?GAB>=6=6W//^O8 D.^=])/F>@9\UG\P.?4'GK M\N"%J9G;0?@$\KAOA-?5W4X0OQ6K==F0;I? [(%BI2\1U8NB'HFKIZ_C_;?K_ MU0]P'"'5C;D0Y1#A6-W^*4IB'40)11*@VH0QGF4/HPA=_||0}AAQI55]OZJK@ M.GC1,@,V+^H? EH7ZVKEP]FZ\E{Q7:V7'D>"@VI#U3\%*0V;^O_DE:V>-8/ MXV3I5]A9'UH605:X\$>LRV&70. ^[/3OB'T9*F]L36KK78-YJ$\IKZ^>Y^^-M-GQ1;?M;$Y+E,1. {QC%3U[<8(Z@N;0F,P^^,R*>;L!W[E'+1@AEK6U \;QY M[A.K(L)%S@C,N M$I.9.DSHR'M.FSC(_ICGJI8'6]+_M-.9XO7F]X<~}:LU%/_N 8PYON7X19?V] M ^SU[.I))G[H0NP+&DDI213 C'*N+@8Z\! G&%*N-(.A*$KL6CZ/$9M8_?<(OS=9 ME-P 1?-%,%UAM[0\]8[";[.] ^0+43GMW6-YOL?RXP]+K)!P3"7VE&X^1FC?Y MV$##HHU1DDW?<;,0? HGA\4BIQ^UV4Y%%\V6B[;LH+]3MV3=1=-=5S>#<7A-M(L,1XC"(]!0)CB2D%*>0R2Q@*$VP#*WREFT9F-B6].Q TO(#5@U#VDBTU65@ MHPN+BA5@37VNOOHEEYYRV3QCF\SA_-#K,26L=A:EYP1TK(O6T1,;M-1W2U[U\N]~3',)=0?%DA'S>$VJ87,$Y-%,Z/ C/^=ZF ,<93Z) ,IB%"84H MSR3$)(\A23%.HBR-\AS;1%)-B$X<)YW3?]E^^]^V1#)KXZ1Y;0X^EL;("$P4 MIBCD*8=IDTR6IACB/(TA0SC.6(R'"*(CM!@[XAM-[_ I0%LD.UPG@-+!,EON& MQ\Y^G\HS[Y):?M(<_-P.&%+F?+9\\3=(_O[Q,KFO27$@[/$)CX4[f*W MU& ^Y)@X:ZLX^T5'9/<4]%&A 9_M>N\[>E%"IT*G\ZO.5O-T4;!A^=/EAQW/INQ)\,U2W,D/HBR^D[HY &_]{'Q> M#;;-;=OVON?#=C[OH*BSU_;\.C]-MJ";BU7WKOC+X;(\$^O)/,DE+Y8EA]?7D$\S=O+>$:.]NEA,1,8QFMT-1?]HJ MFACNP_]'_/U'43_I5%UEBO3$?]9=~MA9%#(0\1%NK6PK&&$2"0&W:A>8RO.B\.U.1D MVP:*SM_%S#I\/"K-K;_HV&*XX 0-6;DXW+]PU>?,8.,\2%%]1=5|OTVCHS8(SBD6=!RF]DA@B&4=Z M6!N%F8@)"A@1DI@/;S.A./4E]/&Q; R@-D^M-:M;;D#9\M+:+O623A#7>?H6 MTVR,(!VW49, Y62,*M"1\XH^Z!D +0=-*%]!O9"QF_/A&R&V^S_5(V#8$^K]7+]^/IKS6]7_%;*8]EL MA>A' R99F.;$QY"FG$*4"@S503""38M30;*$B]C83]I2G=A6-FS 6OP3{!@+ MBI/_7]2*?QDRXW- $MC1 W.Y!0XV9G*%p"(XB:D5\|-ESF4QH#96$UIP#, MS7)Z \[.@-H" ,&I$<1>;SY#:RK:G3*U?OB%J.I.E.6NB%U$Q?I;.R-2]+H.Z -#"RH9<(36PVNZ2?EBX@#B'"LPB9761]R&UG!KM\ MGD[D/HCHO3KGA3V=FS/RO)NV?A&US@"X+]?"'R[XN]?? MU17T\ZKSS:T>]3GK>],A?D%QSA%*U0V1Z2JI$%U&F()1$E. <(JQX"&UR8@T M)VVET?9YD3H7C>G,E)^Z1.V?P4O'E)XO(7N& -ER9*?P%B";F8!IH+,S"AJU M)I_G?H#53[_W"&YY ;>74;,V%?8 >#(>%H1G-2?V@!P:&(<5W$S.!R&%,F.\ MS2U\ (^WYDR7..5)$ H19# F(5>&0)0L@1LK.A#)3IB9@81Q:#30Z3VKB0T)/ M6'0'GIHR+ MC 2<8-NA%>;D)U:S 3--V>,>,_8C+BQ@-3,"TX%E9QA&<9HN9>HZ&#Q.UK @ M/OO8#7M@3LWD<%C%S?Q\%371$PKZ\,;=U9E%# +;F<M[+Q7RXBEG$4" FCF*@+?LR9VJ911&X#7!": MBY0E1IV6YF'WAX\D3/RUS,X+/AXWL#-M/=]@P/@-V+$.AKSW48^>^^8;,YP5 MW EP"!8/HGSNS&\W@G#K>)(LCT4LH$QH)$("'0RP#!%,@MH M1+#,1556RP6"4Y])5P+6BOZN *3><=+/;[7-=[F$H9D2^T3&3I^WH QH@Y[X M% (DPA!+Z2HBY1&[>0!

*M@Đ]0F7\Z\'E13XX&'GG<337_05UTMKIHZ6@ULIX7A9/>GB"P*PJ M>%[0^T;>=)-\;Z(>M<>YR>2LKT[>"1,W50^+,8 MSFAX,BCV|&>U-\[P')HC]X6N]1!TU[_![4\1%,\OR_6KZ&^V.X8%TD$\U2D M$*$HAS3,0\@$"U.1!7$F8S@4_=@3!AZ(43&F$9;S5#DU;/X%G MC#Q[^@:\3.HIL$#!NZ_A/8;>0LL8#GO+[!9Q#Y!4;W^CVK@C-MEM?U:K,3G M6CQ?NB ,KC*=%BCBX'NUER [G-ZM.0 -"Y[R\RR$=4K4,UE_MHP]"V&'J7LV MK]D7!7[5FM!O?YR$F4Y%H#B0$(5(0,)3"GF&*$&$QB(PZPRRO^[D<452%U5= M,++LYUX\&PVE& <5B7%<0OH-!R6W(5SJKFTOH5Q3[#5>,K;SOA C#@KY3_VQO MEA.8Y1B+(,"$\|!XZ&V4?=,MKTVBS]U]_^6=-^7!1/OGU:/|\RK6&\|E8FU11$7BCI81:)C /:1E M$9H+|\+Z9I6F>B7X!D\L;GC\)X[%3+$(EFO*YN'N]GQS.3UFFSN[#T;/N!H480W+9YNE7D>?RWM*O79]PK]KEC& MS9EWOO.N^A;53DI2/U/[Y*8NOHN'DNBDI_DM0H7)!.4BI3 B#(*48 EI$G M=9>3,(\PR@BS*DQRYF1BZ[XE#]B./JA;!@!7'-@Y_-P1-W/^S8*CG84?:\)] M W8 #Q@#'6?@PQC UC![]\'QY!]TYV-67^'5UTQM*PX1QDD612%$)!,0 MY:'-C*,\@F$[+]6-) MGC^O6*EO!IJ7MYOZ:5W!O%M:TIUH]=Q&G-!"69&^Q@AO#FF,R@SGM(X%A& M2!EL6TOJ$ON36\X+'4D@2U!ISD"Y9:WOTT2V'-G,<+4%V2!0-25TMM9%0I5C M!72\-,7@#*3?J#V#'CU7/73?\;(;A3HBCXU1|K^+[>OE=%[M8QS%,;'RN8Q2F[@B;VF#Y9JL+"]QXS"9G=R\"6]G4W=R=|'JGO $ES@C$3V= MS,9IS7HN,Q+ [\#QF!D)LM^V2V;Q+/BG=;F+S?]!EI^6Y-$TTV]DB8F5]*""M-M:M-NE0.Y+L&P9AXH9C86N7YCD(SKKDL$2 ((IRXY5$*A&^5Q *K+D8 L%$$N M*U+:^3JN/2_;ZJ&T*I_I/ZK_-2#3#W?3$JY,?=;<4P0>A%GCNIO0!S8!A MK[IS4E_>,*\4V/9X.R:KMX%P^-1RVA)/K3?;5C@BS' +"O,L4WT^OFYJ-O! M<"N=BJ0U5*R8'@C+ (LE1@6A31)#E*,YEQ=,B4+HB A81@RJUF,(U6!$ MY696*QO2!C]H6:O?S3#ZV;)OJ AT9MNA)T#L5/00BSVR'KM&7Y;-5!?H$4KS M=HV^+/)1UVB#5QR<_|\.^LA_$+VSZC? R=_&|>7ZW+LOU7_JJ2U!4-;=^7004 MTUA$ N*$,*7H 84X5R]?A"26:1X12HUZJSC0GCK\1]<:W_43"FY 5V!VM'8L M@2U/H&?*PH-MB;2|_W\Z_.SLQ(\&G87K? SH(W1S_GJ&T_N[@3'J];=<QY_QR4<'0_L2?#-4A'\9;WF?Q7+93M]B<5I@&+&8)KD&"*2YA"C%,,P MBW,2B#3.8Z/JP0MTIG8[=%1UZ3 NEB^? MPQD]\[H-R^P<4V7>,7H2. +T^ZE1>Z+ 2&,8!7TWI,@)1 MEA.8Y1B+(,"$\|!XZ&V4?=,MZTV*YE%&#$ MPR!#R$@3A-K0}+=T-%VS; >10AL^W2E|QV>]>2^HJ/1],)6Y?HZ1FW4-- MA#[<2(W>?- C84KPC=$;@X(#U#9.1ULQ!YU-1@M-)^#P4:N/;>"U8L.%O7=-MIBI6HJK>KY|\%W*|++|??BZK)>OZ;\OK^Z9]^7BD.U&&,,9VOV/3(53;^92EJ M\4% (42INE+V_K2I15XLDB*D4>0IY@o5$$8H@"26#(W;!@-\; M,. 8#%C6R=0-TV#'-=BQK9VOW3?31\W;'^,,66PH,_[MW';@M_N&=AO7I/". M[G334)YO.YP4N;V]=%I*;IX)Q0 3@E>? %"B_%E)3TQ[P!-MET:0$A'D. MADF&8(9RJCNM0)CC+(\22T!0*)TM"K2O$AXQOIP_TI[P%@Z_)E79):P/5? M*Z68Z)41*]6[!*B5!T\AO&?QF5ZLSHV MC,4_]&Z8O^B:6[72+5_+QA9]+:I__KKMX!Z&.0U0QF&(20X1BA'$:;$JK.$IHY MG^J2P.?15!??<%/E$T>.KX*M'U>Z|.\S5S0+V4S(;@\}3M^Q?FT*=+FY7?-1 M0OV;.CES97;45,)^O5>_1K5Z0M=\O^@3]8*(''O#$,)<(&454A1 &N02)F%" M6*;,"#FS*C>8A>OICQD-W1OPHBDWSE#1T[8S+_-\1#-+]<-]&A|7\IT$8"A"-M=T,#O1#-- QSVK^GD:.Z#W<==N9+EIGOQX\6M;F|)9T?=DE>?A>58#/^MG.-PK MSTX5W;,3$*^:%A:[(U%,0AH$:0!SC[$-1BD@G*(<1BF*98H"ZW2\\>(36SD MM^9D0/N*<^0H;';Y^5HP',VJ-0I.)G\!,0, ^6ZR2I-S$X8T*?LQ.C[SC&P(>- M@=MVY[^*[Z(DCWK2;K'NLDX7B4"<\22#*->-'XC0YT)$81CB7.19FC!DU'C< MDN[$2M\$)8M!CVS6\7(#EATWH#G)WX#GEB'+,*XANH:!;O^8.82[!UN*IW#U-MC("O+5R_30F79?#;/VQ7A,#]P&! <C;=`MGN2[6R^_7?!3ZAGSZH$OZU79__4=]8[JS3/0F6%4Y0HDRPC MB)?8P5S2&&9QSM55(1)A:N7-[\;9Q$9:\IGVN6BN>RWUYIHV9.6[>0;*G=@&\;^G\$]T&]5L>M2B$- OHBZR?/8FY=-A5R7NG92 MJE]KGVW][5#QUK?>D.S,C>SMP#CN;& YOL-0;+%^6-=Z*-CSR^VS\8S4@]>F MCE1\O ,-N?VF8#9-44_),J[G5XIH]\N$MK-|CXMB]O<[H.UYIO1? 5]KO7G< M9QYQVW;L]>OZ^7RT[K\BY1\D2"2A$$:0IQ0!%%,*204,G,FR,.KF\>_V]XNT=U'"/,O7NQ'K5#QH!G)!62;T,;$&>Y]H\|=Z,+[O'K9U)5V M"B[CKM,S"S_+BN*7OZ@% [:!B+Y=5"V\_?TMD,8N"$$$9"PD1S2G$ M:4!A0!G""H!F!;2\6 3KC.$#F^O=6_>Y#B.Y M^%=A[:V^K MS819'B)S/LK\NK)MUD9L9G9W396?\AP1K!'(67KR,Z83[\ 24G410(@R,@> MFZZ*B]J#@[C_*0Z"!;+37>%Z2K?R06F\X?]?*%OZ@RJ2_U^M,5?I'K19?GCC^ MBLRL>UG400C56C#F'Z%#92=41Y&]E=5RB-Z!5-DY]@[,Y 33><)4QV M8H:*2G<3F59"27X1,;3:[E.# [XSNEN)KZT+3M#+;OMRQ3>4;SW,9)0*G"<02 M(;WAHOHIA:0:KQ5E& NGR92VA,?6]58WPGW/P>T+^$T?]DM>;AVSSZS1=+Y\ M"H:1]Y54&YX_]I1#6@5'8*G0]^]HL I-E/%>8X%1#C.("XR"2/*L$(*HZRP;F+F0G1Đ]U&S M_"L>P)&>?,!3_P;&5H#:&8_0,+D9CA (N=?Z.(@D=?-G=*Z^7^B7=T*^=IDC&<$ 05DBE$ MA,.0Q*R (L&9$%%49- ANX.Y03L...]MHFO'20E,'U) 'QOF!U#84-QSQ;D.S M*8ZNH?:3GG]@3W4&#IS-0(/SO0*&.U"Q=W@2O)L09^ ,.BN/A\:378G#ZHUAN"-\D.76YX;,@SI@)>QDRc: M,CZ3Y/VPM3,=$R'F9E5.:QZ]6U'SL"1M7UKPN/<>I.NW00UYZSZ02.%'67O MQ\DK3+H?!-FY'0NQ!>^)]P-UQ\'1?RNW3ZO=]HNDHER\O)/:'CR72U.3 M\? Q=_VA\,L/PW7*YHXNZYG NLI3$@L60RY1"A+5'1(]T@#*$]E#9^"\2.9'\R0 MH-R-;,/A,VA6M8A[&>I&1:@7/Z0=7]?FY$, ^W;LS.:K8>YF2)L[@B.?X)\U MHZ#A%+19!2?M@(YORO [S7'P0IG1T4RD+4-RINDIG<46,\M\CA$?$^CF^V] M.CT%[V16N?Y1\(,;KK&;.6MZ):77WNZ0)#..3ILD^X8.?* MFX0F/E'Y"?QYENS]Q."IB(!+,3>T)_!0U9++_2PW MWD'^8;@$&IITAL\H$?K;@CI$X;\L\EJ1MOR=$33.SXT)%2F3Z,UX?51+OE+ MW:PWCC.]TB2#: .D.T8*&FZ[1>85@4H>XUT-%71_P4^"]"=D;NI&BW5]J MU='ZS/R M_4]>5:SMJT:,3L*9I"3#"$&2,FSF0A+(2*+=]CPB:4$(2K%3!4PGM;'36VO; M8$ \4* LF,S:"9B=_0L&@YM!NXG &!WJ;40,E.[;26O;/%4;L2\25*T^Y*?? M]]LGN39]7\O]/JB9* (IR3BF7&10*,8A4%$.<$ +32"G)8F0BN2YZ?97*R/I< MT00MHGYGH^L V>GQ8+'=[-==8F>U[90HD+I>IS&IFG:*>;Z>W0^[5W%[U&Y/ M5[!M5ICM5HX]21%V^)KK4)76KU)?W5-5;R6VJRB-[#'U5)^D7SU0Z\-K"27 M+_?U3_]2W_;. O9_Y8?+YNSB&7I@3W#6G@D63B6ZQ?+2CAM+3]8HW2=U:,,G MR6$S+^>(D3S2*.3Q@(B+ADD J4PIA)%.2$4*YQF7^P7'EF?]F3\QEG.$\1I ME,!48F@BG#+<;Z'T11B&,$8);*.$I$D^%?+?N3H2GFYK[0>DSP\WW MV^R29C$YMK()%^-@?]!,.02=GHP- KZ6GS.,8(OM9=L>@I3ROC/F3%+N%O%=?`MY ^YW$E3O&#],]=+NGB[VVQ7SX9N,]=#BF^K)K#ZUB3%KDNY>?/R9[EZ7-/O M3R6.6TMZ;&7%(DQ9G A8"'**=KH(6$$N3- 9(IA8B,"XZ<](C\CKVP5ANP5>3 M#VO&/.F3X_8%O*D!1U!FT|5I1OVW'.^817YV=K_B+O!"W?6G/M,G9;=BN:[CV MC(,#Y^+(NIEFL[_J.7!O+JI;+]$(T$2/P2CMT",.]15]8<3GMS/3[D%Q?9 M$Y#T+#1;_BC7]V7EIRP^;C8[N1_*'6H2*|@A,%$8H2?;S.8\A5DE'|-6_M=ZH9NT%H9#-]0A94=!UKO6X!9&=/0XCM9&RO2#S"O76?7*'JH6Z1F;:TJ4? 8 MBRJEON?=KPZJC);_+,5Z\?)X+']RF"}ZT;SN%FZO.MGU0J]@[1N&_H<=-VGKK=ZJY9*NRVH# MYG2S3U@B..2$8!G,1)I!A!&'5$8IC),$1X3+)!%6?0QODQA9#_?$+(.PMY'H MB5L%d<_Y,J^B$S(ITHB&UP:G/|W;W/1_'=6L8^%[ARI@AT"&U\>L8GX$+_ M]?'/IG,(D;S',915$!49"ED-,80 M8Q+'/&&0>- -_[RHCZR3#2\ST'!3E9J>\@/V##D&$IPP)D5">)Y@F*M48Y0O M!5FL_Z'B3!&L+5[$U'PI+6\3PR-;,H3W'+CC^]C"EYYP,R:LEA&7L,Z0CC$4 MA^_B".<)+Q1"13: <:$\;J_"!Y2+ZX+6(GW"_&S79^7M?(1:,%$A[33@7 B): M*&VWDPAFD6 TS2.>9D[AXI/51S;.#2U'PWL]OYT%));*3<,,;B,H[U4! BGG MZ=]3*M]5L]FW<7SYK=INYU8E(8R8+ 564QGJGQ@6D:9'# M+,GR5"6Q$FY# 7LICJQDQZ$C"\- >UHO*)?2!2W(O5\A&:UB[MO_\/Q_SU M7FSME#4H8FX*?#:A97:8@OHR T?Z 9/<;44-E?#>2V_;Y'=:,\2\2X:T_Z%O4 MOV];MGF[HD\M-J4HIWKSLZV%V=-'NN5M=7K5N< FF%,L,TB326W(;2\A8FD!) M6"19PE$2.<7UAS S]O&J=2W88G,&CHR:ZIY#]^F>NM/P[\+.XDR%L)LQ:G%U MAF>+L=/.WJ- >I(9 *5@/@P&L3-SF8#AHEYT0 JSI>YFYU=2 .P2YF??F8^.9V(%R75[M#%,3L5O&=3T$1S9450^RU6Z[MV=*J4,*Q&5L?6CV76"-@X&9;*O%KZL:E.C1@,PR %@>]87%L4Q<0G@&=ZH;MY-ZQSE+FWJ9U?>M,V[?.4]J+UG6VG_>K%-ZNUJ_7U5]UK^AY23 F$!!,0L MXA I(B%!*(=]MHTQ5K@*S%8Y(734)A;A*;PF=!]6PUESSE1-[&R.ZZ% M0,###8W(7WOD UB=9H//533*3'I_ZA#T_"?4^/Z2+[5=M@F7=QY_7C>!,9^4B MC3&+4P8C@E.(':T[100:$_;ZY1>H:MMI\C7^]IV2\3#N??N!%@(/ #G:F$UU M0_SMB2IOOU<3F1]DNHK+;$ ^R1]RH?_;S**CCW*>"2RR%&%(>2((@2@B#E!0Q M9-R4N@@1)[']#.'7D&!D J0B#!;&LNF3YY!V<-I?Y=U:G(\^]3?E9B@#=-UM M9C6U!--UOL56BP8:V6:@_;6HQ_/_S)?"X>3X]_^]? !A_[B7Q.WP^]KQF+. MH_6K,#;=?*?TU<3\)"[P](IY3P@X-,>^6XC@=ID2;A]6BY"_'=!>)6<-I=!H9!R2M WO;P3'VU9*SI_\'IV_1TF? <81REB7]W6=PO9%|B;SICFMB;_OZI2"//6..$=|>4.W31) H_K%=B MQ[>,/Z]7N^_]FF61*4*%@@B3?!^6"(.$1O@#'\N>9ED8_,M\MWYZ8QN)B@%P MX, EKM:/E4UP- "@"CKL]CS84P<5>9_$$0M07$*#0<'O#.2=@O2XXZ>]C-V1 ML/YE)HQ;6\;,.OCU9;K*(ZC4AVH'2]W_WV#3?/I5+^G')%SM3 MV/8?]^7C_ZQ_UWQ-TD+E+$TPE(HCB#*& (%92P%@14114,A);I;/V4AK[RM>0 M!K^5>^+ 4 >&_)\<]II.]"SVUE N*E8+?O'2]%]MMM."!SVW5!0^&W '5^' MT($,&T$[M^?.!:,;IVWD.- FPK3[@OG/OPQJW2_%5KG^47&Z;4I!"%4E1(9S MF2<0F=Z13*D"JB@KI 8OTB+&MMOX32HCVFX&,I5VT1!VK)CIQJA_VPBN9N! MA4+.R2'H%6J =W! [["KI#63LI8,IG5H!'_EHR/K6)TM-MVLX;/4C/^GJB6\G=K6(1'93+GIHG3K =\CDU?O]VGJ3=7WO$*:=[IWK,1]' M?"U%N;U!7$O9RM+)<"91FE,81W&D/? DAYCJK4U0I42$&6? 8OL#*HFQ7>^* M)C@0=7$VKR)BXV@/E=/1PSX3T3(DKY68>H2Q5N7:9 MXZC09_PT2R".TPB23*8R1SD7DKI9!3F6#)]AN*>KE!7OWX]X-+M9FX7>R M_O?'I>FBNM0OR>QE*L) (H:PP_6B]\2P(LD@P*.A+4T9XE"$^7]\!NI7'3DL[MZ5EJ?0\C68Y4K;_%+5K./2TZ8++3V>&B^ ;.U[,B!W.;$_V0:W M-X=/9HE_$ M-+TM-Z_^]H@!W\;$_V0:W M-X=/9HE_$ M-+TM-W=VB7^PK_2TLN2GU9_EUMR=/ZQ7/TIANN3]96/NT^L&R2>;^R%) MGZ.DEASKI3A6V'1GYY#0F.)4Q"E*)-8,(Y2MV)V%L8.3)NM$+5;_W-1]<\L] M)X >6/EW-ZO@ ;,=J1@7/#?]8<.-5]CMN3%%^[\9AC2$?P('GEH'@U%*)/PQ M"61P/!B8U KY W1NF@:LY-L:?[_(D8FXM3)//$WKOR@U?K*H([%ZC*$\XPD+! M*,M3B!"5$&>$0Q[+!"L6"\DSMO9ZWRK,,,&N'LWKNNV&N;8.'MGSKNL:\EKL M#-U$8+M9O#*%Q]NCZ-QBA8(T[_3F9N'!?@8,@NVPL.7W)8E/=>F1:'[W\;^[LK M-T_FE^8TN)E'>2YH$BG(N,PAX]J 1*7ZD.:*/*9)EA>%4WU&+!518KA@M03? MS.2M3RNZK&9RZ=>_E+SJ(?3/W0&X0M+SBMDW8 MEFW!*76P__7#6GYO'NV,4WF';7ME#QREO4WO58*RO>+?BL'V?]"$\P_]7F[I MHBI8%N56&Z/-QWH"F'BSVWY>;?]3;DTASEP*G+(DU:>\Q,1@J:(04\]@4L2D M26<)$D[E[K;$1!B@=R%:(<-T%_[*E2YE@L3+#(U2+QF5@<$6CXZ-@&S1M3,@_M8V#F9D<;#D";];#G ;#=%F@NP(^`!QH^ G;^<90\5\?6[+3=OUQ!..BYX_K MY_U,RY]IN=Q\6FTV.+R+/-50&AB;N9CG[T.&="Y"R"_J+Z-"M(;IPY"2FFA!92 MF^A8[B/NWZ8&\33T_NU7Q]+._@;]?KD97D.;_&9H_\F@M]A_TLZD?RF6YE0M]N!0? EUO]!2FUSW*GR>DC)O_'KM0F M/)YG(I,%4BE4N3$,B#%(*1;P0(3D29[EDC]E[M@0'=M-$WJC,BTPW13;"BX[MW0\-@IOZU]3A)T,>',F#F@&PYR"<_7_1-Y_-L"(YJ]EP >'<$CA]=H@O^'25 MQ/-JO2W_NTK;;)I?9$FG5^O?]\'E!M.%_)ZX7K.I4HYUMY7AM/$S!35Q@["M93!7@M&4VSC/K1*)_(TLBG1WI[_++:N*)OX[*\"9Y7R^W3QK+H+R3\++K9G M,E #FJ99=5+DYD#=YM3T9FR8-+Y+S28P?(:V8%"_VK@AG'T"O8O"(37S6.8 MI=TKD[ZMJ2D_O%NOJU$SED5)IY\:V4PUQ-K]!2U3#JX(V&UFALGF9BVNB!5L M:,YM.,R*C+3ZK MUPA[5\L,3WD6[ZR6CUJIGTV4\YM>HNDMD2>91**0,!5*0"0B#BG*,ICD$DDI M(RF4T^C+ZV1&OJA9/D)#M0JSSX A[#FS]@9,=MHX7'@WK.SD_N8JMWLE3Z=8 MH0IYKA.9MHZG4]"+,I[NI]W45,AR_GZY+;+.KA4_;;FPDXY MKX+3K9)#1793Q)J2E6#6VM!67^L5C?]PU'+KBXVB6YUB;'7J.YG?+>[MS>9D7%+ENZH9*]{G?.0GME=%ITR!=OHKA*9>*/K$O1RH^M>]FBAB%@[14A M4)4;9 3QC!4)Y"]/((1-D_J,YC!E^O^A5#(]IVKR6X1&5M)6Z8%QGS+-<[ML=/-$"* [+>>1XJQ.]=;'Q3W5,2HHKLL5O#SBC,PKU3Y<%_9V8<.-YSV#-,NU MY^O'9?G?4GRC/]_(53E=K.O==U\D9O=PIB&#U["UO0O_>S#:E-GA8I,;##O!STV!Y;=\8WU?G^1B808? TN7+G!*992E&-M$"5FH+*(8HAQ$<$44\93SJ(BMRJWN+!\R$K<1, JBJ AZ1K<.T'#-KSG*Z-7 M@,],/(\0WS4I!@3Y3I;,,,QW393+0-_5I_SVRC>[3;F4FSIOMJY^FQ3>_>U- MIK(ĊV("FE07)QW4VM9 VVH_?0FW5.MQ3_?5NT_ZJX\JKWSK3Y*F!3%=]*$ MWLIEM7V_TI^T327M6F-DW6ZI:B>T@=2%NGV+;"4.W)H=PV!/85W2D&UKD6CT?- '2X;Y=W>HY^:PJO$SOT!&[X?P.4S?6G.X/-MW=I4%2[%E]KUK_K+U2E[*2)I&J415$5*(8I3#K' #&JE.LD5E902E^W;@?;(MNGLH[ULI<,)++5:W6<%,U0_1,@G2!V6Z#'PD\ _T/B9OS#N^!0* =WH7RI#N\ M!R3G.[S/$KY=)S=/YG_O_[$K?]"%:7!9D2Q-IPCSAXIF^Q>M)^<8Y32/,@G3 MK! 0Y4B?)0I>P)BE0C"9B B3^??]M/-U2[=,.Y,TB" <7/3OGS%KE]M;Z1KNX M^4$>]0.Z!4P^ELNJH8E6R)$:Z_*(>[$)8PH4T3",=*'O(@KJ+<$!6444YY$ M-,Y)T;R3]TO+ 3 3GQ%$%$&0I#F'3$6*DJA((L*<6FC=HC3VC8 A!BIJ M?2U0'!&R.TE!Y'8S- PXBN_>?ZA,G5%>IFW2F[(175)^Y%!ZC>#_@IZC$@M9^'' M-]=*B G+|<0RYA E.8,L4A&,"IX33I,,2*>Y+Y"]\G4\Z7FB6ST_KY9?MRO^_M7U^?J.DHOMGL!)C'6&(12PH)*F* (J)!ZO[\7,2"_MPM>& MU7S866$ND3ZVXLIBNRTUB03UEW%M4WX]6-A!(K(VW]S)>ZQ&96[T#W#31:EKS M<5EN2[HHQA%IQZQIE?=](;?R3OO]M]D:+O5?U!KDMU- -%.$HHG&B':HLARB. M"HAIRJ\,4BHCI**(6%4>3,+MR-;|=^W+[M;U-70==P7TP,T,T)H?]U2=:=ZD MQ5[P*[T?MQWD4#C18GT&6LR?-G!J^_=':*L..]:O M]';]]KE? XRVI;953H=ZYP8[.Q'3;\E1XGFSFDQ'U"X)\6U<[TTMU>*O/<57D M(]-\E,&ECI$_8\LM+[O'I#W&]-^]YYE!54 MD4S 0N7:3V>=<0QH7"M(L3GFNB!+8J4*XO? CĠ;O5I\UOW;K<'#.QTT%EIZ\;>Y<3-,U5X\XIE.IN]<;@?/#;'GZ=%FN4$4:AI M0B%@2D*M542K4IYC)-4I&R^76WIPDZ+;ER4JD#/?NK;SX*5?EMQXP+2[M"8LC2G9Z%D1V-Z6K2Z1/WHN=,]P>F MF$=W-N-$(§IS*3 D.18091)!FK((9A'C5$5,*.8T7WP(,R-OJ,W$M,6M88[M M9DU>@V8&O0@[ZS$5O&X&IF],YA5D1QTZ$P*E5QD^]YK#9T* -FS<7-`A-*8' MT5H^Z74U]7H SF>YO5??Z,\YB?.TP$I S[CV9Q#)()/;\L69F9^51@G+](L_MTT%K9(_FA#)8F%[:=+M=EVRWK=1KNP*\E43QM%IH!!T|GBXD[:Q6('SB3_IP^14W*4V=8|$G\I4\B]Z/ M>&8FFGK9#DOTY{7^3LQH V"B11DL4H@BHL8LC@I(*4B31A'42*4>W6+%6T7 M'?"N8JG}?KH%_XNL!PD8O]]&'/6N29\-0Q_3GF),IQ}]%,:6:Z/C%M8I$^<"91 M3!1- *6=.+8XO28Q\C*P(UH%9WZSP*[#8Z?HP8=T4NY.SBM6.DA9^6Y90-<.7 M!*8M#;XIX$4%\.TG?3L0WPFQ-HT8ZW!]*1O2NT;6X M0[!S8NOK3IQ#^_.P2Y,&7<]/+3U1\>^>Q871)F,* ML;%P,'?=I,.A&C,D.P"1XCO![M#EZI5X@S1+=[AK@QV=UU'!N*@'5'SN+$D!J-ZO1Q$,/%,$?>YH! M;4*/5.&Z_UVE,G6GORY1KW3UZWS[MT,BJV-`W]94F-SD/1=5U]}A11L^D\3HW.6O'Z%N70T.CJO&.N$2M!.@M=A> M/0'[5Y^L.Z"UH.T^@?8? &CI2M5WBD*MPR&X:W!H=NZ<78-B0E3#!)ZB^6DO=3C%O MSTX-5U50Q045A^LK;UE]|KV=U(-N<"W4E=%"7D%=4I@^ONF[P)>O5RZ M_J1';_>3L6.:]`)'W*Q^EXYS$OQ7AIUEU^.5IE-F7J;ZG-HFF20*99 E!<% M)"E#,"@Q8)/2P1+@!R*2\,#Y5/ M^IX8V/;M.OE#6QS1+.E_VIH X.[QPMVS*<2.364'5H1*2)7* ((HH@A1S_0Z2 M+$HH(RR*G.JC, F/;#>KSA_RIZDTW96;)WT:+I?ZO_F3Z9N"P MQ-,V#!(>,==CB0;KR,(,')@X:9Y2|Q'RO.(F>+ CC"79B4\U;F!<'G085QR'^SBHK7TQ+<5ET)=7E% <>:<]0[T.\7]LD6E0C+FB:<8(MU 23KUG\Y!DQV:A9 >#>-\Y; MIY2K2IZP55I7]4Q=@-@4EZI7:JL['APU=#/]213LBU=5(]8EO:]K<'+E>2S%7 M42:9D@AB7$00(9I#K H&9113FF#.1) (>.K#8[Z#3<&^E4F?]7-RWZ)ZV-DNY M#]0"6H_8%C-SQ%GLJMO!Q]5*_+-<+/OFQ8_\]NT,VB_T.G^QYFLGLH"6,.'L_MJK3@!S+CS]Z:XPL8LXWV0FIAYLS_IR&-/[46C"I2KIL? *X,9=WRW:O,?TW MO8>*ZN+BLWXU]:U%_8EYGD:F34(. MY++[0YYYP_'?EO;F\WAL(L:\F3; M6S>Q:E'5]K_=K9=] 7I;V;OM9QBQW0R>K\1.*8[=0GGE- =Y8S,ZXVWTW6[T#:?!P3G%N!M&D4,J<0)1E%&+$B/[/A"%,8I2GCM6(M7>1&5LJE.N_:L:,0XL*U.K$3P$Y%#0^+FI(.1<2C;-%&'LBYW+3US(.'J M946CU:?<-U%]P/NV>I KT\+EP_)83&>YB]fX^,@:>SR5@F\K\/#^WGQ531NJ MQI_^L%IMEZNM9150%PS]&VH:]-R4TU9X?06D$+6;TVVEWK3K,3]@C5WFKD/M'AUX,7_L*GFLT"M0G.:FQ:,R TLBG$&F? P<3JK#(HRB.F5.A0 >MB:[M7UK]-M2VT*UYPA<[S8'@:$YSVW(P;'%|^WI0M|#WZ%TNM8M>=<'_%2Z,D.W M3VW.4\84PI-B)2"20D&:9 P*QE.!,4,9=@I MAEU| MQK/YAGPT#L^U3,MEW.%&<>$Y#&3$*D> I)+@JM7P6A))"9&YM=-JKCZU1-M-:T-^'%.FY[CQG0)AIS_>XKDID+UD[OTIKDD0[O/$R=K3]I2X)M9%MXBK#WE. M+CVFF9J.59OJ[6PLLV(3IO8Z@3$19ZKVZ<=O9KU=FZRDE:+4M1Y3%OY MO&E<8RH*@@33)X-(:H1XCU=+\OEX^..:|MMS!YU$W .!XE!,=,",CT<1VB& E(TY3"6$H1%8R* M/*W<_R9$5=<\:$#4YMTW.C&[#3HL#FZ*>X!@3QS\UB(/>F.%SANTO;"! M-F<+@I-NS/8 G&_*#[_T##\E7RWKE,_?M!R8?+#/]S67^E"FN2Q)2\799U* MMEHL|!_^2==B'D41CG@20Q)+!)&,.Q/>2R KXGA)D8P8M;KI&L+$%,&)(ULS M<& ,: : 8:W.!3TR!_XP{(&&/]>AF 4&]4QF?M:0.V Z2_B.4,6)&9\K3 =HC@DO/J]+#BQ&CGB2GCLLUW%'3BP M,@,-,^!^";L@>)E/I$SM!:6?B3 '^+ECY1+M=0'.PXB.!YV>YPWSAW(RT M!P"=AMEEO>F,L8-4)9BY_/^G:6.!>SJ M=)7,Y%VM:D=) <>54Z1 MJGF=OJ1ZV2GFN5)V/^RGD=5FH<;?1LE.^(!BXZ;&G^\X=V!M$\]FX_2]=Z?NW=XE[MM8UIYP<&SB>M)B#=KZN>,E]$>5Y@B2F.-(21UE^$8L@XQ:85,58LQBG._$;4 MGA$:67W?GPWKK*AKA,">ON>8TG.XNA4X) AN^NLOQ_^TTAO"#1]8>K[PZ\PL MO2'>S;&EMYYW+ ^\UE8IW?+NCB\7+ RW%7S=7V@4X5_VZK3IZFM2Q^A7LN0*& M+?!C\V_@5@,*^]H@1PRJ!7I<^;!#ZWI(C5:8[>(5[VQG(ZG)RI#[(&A7)WNN MX%F19<;>W1%3"+(FDB4YA2)7!'25Y1(NB5N'M=,.;[N.KW*Q^)]7 MV[JE8Y6>ZEB/U8+!SB/W%,Y- LRLB{0R7F$^5!E6:^5IB[N1;HHP;KRB,>U M=\>TWX_/WVG5-^N8BE7_RGCNGU;,S1RENX@S+L5>AH(?;M[=XP2GX$]:S-P*

*M'6!@V)L*98<;]:G0]KMB'Q=UMZOW$$AUWL4/(C#=Y7P(‘$YNZX,LZ.ER'>;& M?Y$_Y'(G-Q^TL.]_;K|'>R]O=YOMZEF;6--[<;5\K%ALS9*?XS3FA.,$QE1J M+XWB*

K(.4YAD,BIRG!6IS)R\M$'LC.W8-4>O$#!6QW\W#(#?RB40J6":A7]+M=@8Z(‘CCU^[‘&VLW>CH.=F MVBX2KEIJF1'!34B#*7S 3XH[*.M2";D2R=<8YB04]&G,R$-W5_-

A)S/"X6%"SA;P,00*UR;QYIVL__UQV0QH,=Y1 M=;,G_17)9_C",T6;.HQ1+QCB4&2<0Y91"$A4$*I),$!X3Q@]#N>P,B1-]CW"@ M?86K$-5,R! M/7>@9@\T_%1I236'AU^U> SL1(6 *Z1S-8B?Z9W%/!===<;'+!RFH^.W"_ZZ- M(=!8QW&22-6M=!#B6#-$H+TZ%.R-'7 M4?/R P.[:M:!]&8TL;@W@IRT]=16\@W=E)N\+=L(]>5$_EQ^7VW/6W!\..E

M^OC;!=WL&\@E$1), ^W.0$%E 1'(%24)2R&7"4E[P7"5.?;S&8G1L_\^0 Q4] MSZ;>H[TA.U?P5\#=S3{!0>[?^W,D/$)W"PW-YNOT%QT)[)L=2<>BYWOL7NOS M^[;|

(0\,W]OC+RMJ'ILF+DRJU5]">Z6ZP(,X[MJC$>Q$:T%RXD.K/0B7YU"$WH>/8^7$*,Y M^FJY??]XU\4N=D^;$(KT1PN[7^6R7*T_K[9R\VXG M-S06]OSB.#07MA>UN M)&BQSH0-!.VE.FT5#5KK'>(W,;/58MU#",YHT:TF=_MIFKT2C)@K,;MM2>;]$K7GNP1Q_#0\M_#G-KFT9G56[\L0%!%';D4]-XA2<<M(F$2,"1F.(J+

C&5%$7.W9H%V1)V=-YZ]0_\NGM^INL7HI[E]3LJ.+*9A.-H% MCL; QDVGVV4W!QY:O0OH^DA^TH5,W9@W*Z-L?R\[X0>I*, M3X>.8RJ'19I AG#VJ[$F8 D)@A&+.&8R(12EKC-[?

%C9&37P+=R[9-OCS?O M%V)GH*;-V&@74YBFC@>CZ(''7-I=Z_^1LT]-MRO9^_:5\?-IJ6[=AI<]R^Y9NGA[6\KG&Q=OE1C&.G@O<08+GO8A5880"Q\ZT#B.FV#1T(@HKB#!QH

M!FRLW"U4J+;*-ZA,VU2Y6]2+ELH]CWMXHQ]7W[Z^;+1/_.O*G/TWS0U0D6/! M$D(@CF,3P\N4N5E$,#?C/@2.8HRLFO5TT!A9%S514%.=@8:N@Q-T Q8+MW&X

ML&X;>45.GVO!&#P(^.'7#:!??SW%Q>M)LWUBU1!HJUXZ/3>53=0)_X3/#V;>B M9V1NG#ZOU7S2I;5/S]GQO[,;#:E.,:DPI5!U=G,<14X@4(FM0>]#$71U@; M&

[WWFS;NK$BL+O0\:$_A$ #:5&ANZ4]7?\D%1CN7821PW(S6@0F@5FMP8$/_ M=[DTM9;K9PF^&;1FX,A.P'DJFAB$&K;B0'G;22SND%R,:?%8PL-C^2JWVX44 M?RNW3U5KZ?

U6E61289864,0YU>2P_W)ZY+W[.>F0YR_:/D.)ZN/;E J6F!=WW,X)BJ49%UX]T6?YW91+?ZKU_M2A%]1]W2_&@W^S>7-ZK#W6[$KJHILY4

MHZ+>E1N^6)G"N&,VC,PYX[&40\2R#-)"$9@HFD@60@=M:LVK,/ +C6>R# M(\>!!J>,C6>H0&MH]];-T(X${D5H=RPZ{C.[KDSM^>OF0KW7?G85V6 MRTT2B;DR3.JO&V"8

14W]D.Y,$'J-HDCX>-FY>R@&6'JE]/D7N.V;&E,-F?+ M4>CV@"W7C_IY;N^:?OR]6+U(VWF!%3SL;4K3'M=TMJE=;&233FN!1VRXIZM[W-MJ@_6IT.6(&)!7.0H@3Q5YBHI069R4

0+H1(AE8HCZ=0U(#![_(]N=/;=@?V2I M^(7,,,S:',_D>=Z@,&>ZWV!;-V)SC_/,_2+M?/V7O%U.9XIJQ=3L08>Z$LU M$>>DU\'GX9?,.5?C^KVEWTNMC89-

_>;>33?.D1)$1(PD'<7FKMG;N1H#WW M[<8BXV??W^PV>J7-1A-GVI4T%(_T/@K]52]520]3A>[X/W;55>&E<<3,^M%_ MVSV;$41-H<"\8"G+(I9"7B &48ISB+$2D"(NE)"R$!%QL:?

*C<#EVRH%O2= X MK\3./K\ZT&Y6>L\N:/$[:V^6;9;WF?M[INO$_B/:H.%[=JQ;"F>W1P4VD/4> MA\=);?BH,)];G&)^=GSO\J-20EKJGX));R@*8$,*P(14UA[VY&$,8T%RC$G

M)'>;LG:R^LCVLZ'EV<7P% <[X^U*E0BK6N3)> M?RC4L(N'M?Q.2 &NZ;K>./_]AO>U?L.^CE*D$906D62Q-22+7>L<+B$F:IR03 M;2[PT*D7-HQ8?76'C+.^H)S=4+?(};,O-

=MDC;&>N1L'-S4+=W;_]".ZVVW?)=MOJC+1=F1$65;>&X-D4S@(' MLD#Y=\[S4DLO0G(VM_FGFG^U:,_H<G4S$*\$Z6S>=Y_8-PQ_^6,,;9KRK?S))>$QO!0

MSBDQK5$E@E3$"HJ8I"@C*HUSX3H%(I+,R#I:M1UHYX_MZ3]&QFY@9.>T#I?< M34,]A/8:IW9;IH ST]X0F7SPV6U!KTTSZW@Z_..&Z&!?77!2/+L;%E!Z)JU3678S//^?

GH7S>F45,5L?WU;]* MN7R5CU7>[APK0D3$8QAE2$!$$P4QP@DL4)QD>21EHIR\E-ND1C9Z-6&3M[8^ MD .;AK;.L](!EYW#$@8$-R-WE/]

(%7SMD]_9;^D7+9#OTD%H4O^E7^!S'\;B M$YV5172]+>/FP>YKC*X#FYT0?6!0L8#%-'V/S<#12!\UE#+C5G%$5(5J)V[MCF^1O4W-H%R\%U-D3>&{+\[YI?> HAF!:(J22&-

N:F@3%-(%$DA8H@P MQA-;(*<*RA#P^*3R-F1-/FZ=QNM](+L)E9V%"P& FWWSD]T]U[5'L%!)JI?(M3)M!VB/L11IW_-^=NWMZOEYM?RZ7?'_JN:$S6,E4Q9A"?,X1Z9Q70(9CO6A

MC/,D-OV@.'JQ79.8/3SERS'-H;>#/Q?T;I%,?A.U^""H3T#21;-HJCZ7VWE M-H#NMD^K=9W*C?$LB|$L*S)0;C:]F>PR&9QC&=QD8+5;KO9ZM^9?)D[3_K7

M:3Z+$6[_($'F)/LHYUG*&,D+6@Dj%6.D!Q M+9KK\G'/++*0?M%R88]:'U?HK-;;^4WY[6J]WC MTP>]!?ZGI.O-83[H'$F"%8H4Y)CK@_3]MP9*:H5AJ=_G>XZ??&RL(OIF>!O M:RJDFA?

GPTR^[""3[-2E>,.F^4]) M3?AKQSN/;+ Z<=&(/Q2@<4'S^Q>1L%'MPNH>F.*P3K+W*PWKUH]SH'^CBXU*M MUL_5;S\N]2&0+NXX-Q4^.]! -7\9\!>.U@!F%Z]=N"C/F

MJ[!H$S,]>8_$_+ L-G_=/- 7$_>" 9\F3XQNLE>T<#P78"W\WZI=YUUI;4A M;PO#PSGN%&0OSGZ%R;D8]+4?XHQ8XNW-N+7'QV[%N(A?&Q

M#C2=NHEJ8YOI&TK76Y0^+%.U=,/WEEIO6 U^T,LlQD4=2Y!*F#.40<>WF ML(AE4&4T43))$Y)9^3I#&1E92_?$@39P+N?4(=!,A:0F LQ-YPU3T'.%#%OM MI'?0< 8.

<.YY.WGJRW08.YST)\+;fQP_+N9N1_0 0'4>P(>L/WQ.@ *9\?G M;%H-XT3MQ*WV[EW=-$4BD"5TG6$)6Y!GDG/ DP823E#F= M=CO)C6SG-5UX(QD37,&EJZ-

4'LPLSQ4!D/"\9Q8=89M$SXTAFUH_RG@4<[* MR%"GMVYBTQ{(K 2_,&/9?PWUA]9EVN*H""Y;UQH64-\"Y!NO0T@HNBNDEH MK9HH[IS#T.H97T0:X?R!7=C\=[$%%C

M@^!;GY]@!WQX?P\^Z__=_=!&1CN'[<#+00V#;Z+1'[$(82;7H7!P"F4T2>D M5SCCYJ*3A33ZQ&J'-7J?]0AM?%N7CX_2N,COS?"@]PNI_]7$RA 1!,, M*8@(1Y!B3F".54YDFJ-

<6I7[A$:66&/E$%%&M2T'0[072#9!"$"B>ZFHC>D M]FF-V"6^0WP@$ Q^YW_7+X';B=Y"M,X3>]?GISN16TAQ=[O1'Y!; NE6 MI9M@Q1$M< QYFFM#E(H(DH(5D"8R%Y%*

<42YRPGZ=/F1S<_QLO"/BISC5>T9 M%'8'8W\!W8R.O6S.Q[IK(0?QX=/NFQ]KI@Y\?8&T^Y'UO?UC>+'\H-IPM3 M#/Y^^4RG@3F/BPC%:0P131,SUX]

EFBERM(\0H7>WHO,2JFZB(RL6@U94-,M MFR9HRE4G!?MS[V^@^S(>1VTS@OD9T.MGTR>9UN,RXZV1&W3ZSV.,?W6>_Q

M6NV$K*IZL2$UCZ10#.HXB*U'&@UBU:8]_7>Y4@ MVV!DM_<%DMQ+<++3.6>@HCL##>6@ [#ZQ LW\NHFI:F'7/6)?&6L5>]'_)3X M+\0U83[O-_KSC5Q*56XW)^SK

MO7V]M5/C&]1F;[QR$VG;T$693Q5 ME! 8Q8IJFU<@2*(XUFY])%@J8A7G40.9-L 3 [:GZ 77;A&:*SO;%T'Z-[O7 M)@@T1; G&<{@]<@4R-

C=HC*IH>L1]=S(]3WN'[(WX47Z,%7EVW!\9(>B"C1; M]P=IB]$?.O>0P$U!>IEW"H*?L>L5\]ZO,5I(^X5I=D3[_$_#]C?GLKU5A[" MDS*5B]N$0,Z$@(C$ A(48Y@(C/)81]F0Q#>$?

4IJZB#VGK\'C%- M/ T/9>\(:@MEG(/B'L_W!"\3D0M# H7Q?/):A]ML*KA;6O2!(5V+IQ"4=C MM=[.[S8E?:"\5"5OOF\LY4SQH(%8XDBIP#2%-$N8N6)3,BE2R?6IP<8^75M]

Mf(.^1@<;:@I8*>!6#'L,S5#+'@[PF!1I: 9/Q.Z7H7==AE!-2TX7G[:WR%7!+EJ 7'][MN,M\O]Q_EUB4)@D7'Y.BL211*JWFM'12F=I1UH3]W<,C M-N[NL9?$ SUCTS)\N%-\E-K2'_,2/I

KW/7*!WG!%T*Y.,#'#[^:[WO!?Y?, M>_FPAZVIYDHQ;;!$.S/P;KW6+[*"ZWV8OQT<>Z$O5N."?=%WU)-J^:'=-;*K$

M[NT37=Y7,R?,T*]J'*R&CU1KL0\Q3C)DR33KX)K;\!$/G"6,8B%=J8)RQ 1-M5MG84S, ^=OSL2*_I&.1@&:9\?Q8F]A=]*VY6N^(05BR>YY0#L!,??:V0! ME3 S4(O3&];S 751BI$(-

"5)56N'5 _P'[ZAWWF%_T^^&U=O^17P6V+?(7W MT;GK3LG/=!OY^Z\XAN\GW/W%"^),5N(>_5GUG1-+;M$;>U-\^&> WH%R"MW2]?C'. M;UUNL3%-;:;L.,::=0(!(CC?

MH0;0O>)*0"0QY4]$/FIO9+&2I1M8/2 MM%FK_2)?I+!.:?.35^XP>>^_LV_&4LC91\PPEG+$40\Y2?9O(>&8&<#/((UX@-MI.((4_OREZFX'MGL!0?756.Q)+T6MB:7@N+

(W>OUKNRXPU;'#A^Q??F&)(= MK8/E41K0$F=6NY^_XOM^M,:E8=[!K];'U:_]OV8[T_IW,&%GTPYF_E6;G/;C M.V*_4POB?B<*S9,9U/+6P+G*7$ D%8-,Y@B2 M.%6$2,P5&O-

M1H@V]_*QX* LF' H9^:?\XA2@X7B D'\,PF14!02G)AK M&XPS460TR_+Y#[EF]]>%L%)+[{N57V6&@9X K'9(/DXHSG!91 M?2,0:1>8LHSF$?:I"1<9"B)O?H%=!

=/5FLKB[Z^B2=QRY:8689WPV, MA&.@MZ_O^@ASF5TD#MV=H(ODZ_0LL #A9B<#F\|&FY#XY5 9|5%/HVJ4JS75 M-:%Q<\?_L2O74MPM1>NDJ/^FC9=X)Y74ATA34%4_/1<,I4*

{(A#E*C+=1U*(M4Q[#@D5%'D41Q8E3I]Y%1N1W9#.WI@2W!Z34"=MQ796?$?ID7,#R0'XZ,@S;G M]:S9#=CS7DTH;'$/&O9GX/!&3;?7F7?<,#3' ,#S2XXTM#,CK:P\K# ^[Q8C"

M$8CZ>HTK_E/]X7^Q*9.2)<'BJ!(#(?NLUZK?XJ9%IG_]3YS$Q?\&0]J2EXS-F:] 9.L2#A'5>LX6<&2@6.G,[/PUSH*RX)LG">2>Q>ISIO$ESS=B M9Q[&1]G-A-

SL6&'R);>@X@G43(S##5]6#829-A,%EW*X7?4S\"DTQ+(&R]EA MN]K0E$1] BZW\]~67Q<;O7WLCPX1'5_1XYXP5)SA:BB B*<2/V34%]S 52 M"5>)\,M0[",]\LFQG:17LP(K7L"1F?

VAQ:]/ICW&EG[-*,@Y!KS"@38@R=%6 M_N YC[V$7RD%TA:0VQF1UBMX)$B>QN+_OQU=:W5=O-P|K];;\K_K+(OCC5'" M$4DR2F%AKC 1YOH4Z8S]>1LP]>\&=],@&YT

=T!9Y8[?8=Z$T%)-N M^S(N4 ,OX8Z@M5F9V5S##47-(3EO-/3\,NQ"HNB6'>=<]FIN*T<6+/3_VQ2-ED MDFSFMX*?2=_%?

C>K+A__HLW\W<]R,X\DQ4IH4%"8((XA2BB'+\MR,O"9YS#,> M%TH(A<41K:F!WK $ 1_&)*.'MHE*:.V"!1W>RAFY3.+M5-20)Y3I?K3^H@ MW13OW ^Z_:"?

NGU;5V4)+U6LZEBRQ+.(,ZU?,,T%U:X-2R&.5BO'M?TV4WW;B!DIX###Y7,3PCT]4,O^QR@U M7-U"!5+((&T0FU@8@E4/%6M0\$?-5N.

MVZTKZ'-V8$0HW8Q>$2=38@G%H%LBROU28V.)S3GULAW&3$=9%3_N;EFUZI M&:NBU,.HR1"9(RCPKJ8I(Z:(UL?]X4-1C*7BY[%V)V M]B00#FZVPQ."9P-

A(5P@8]!%.5+%MQ#Y7,EM/N+>;_6+W.P3#YL-CM!")6E$ MH,J+!**<4"3+(5X6)=ZVZX;@03I9!U9Y?-MU63OW6^ M++<]I&B.12P45QC%$@B+(($!(0%X+'.6>IOYX7

MY*Y_J@_[4[C^]H8'#AQS8/M!M-L[PV#B5R'9D#;)5PWQ2R<\0(VDK.2ARB1[MZ4U.*6DK_D6QI/4'?>/<)I[.MSO3-/)N*;[(A5&L.Y.[4>5SOBLW?++$R+4-.

M39B*)9<(IA(AB!BIMY/;\$099RS@D=%3*W;- YA8H+M^L"2:Y3< U+;0/JX M0+GN^BUNJOSTAA]P9 @<.1HI##@$DV!1>P\6)@(L^X-T&?L?L):?E?H/*1XU ML7=R4S[6B>F-

R%QBHECE,."116FA+A DD0F8P+52KY0^M)YK6O:[_WAJ*YJOD^E%C1.91IHV,6.50%D@U\U1E M@F!*HT@DF,6G[425'4A8/==_RA_\J19I/FK

M_LYA\'FUU5OK;W1358HLJVX/U2\!^1/X3?^\j.3ZDT>1,M:I&1P\ E+(.1"EGNXL_,I*4Q@X&[6D8S M?%7/^U=:KO]*%SM]_/N^'VVX^R1]RD32=F$@B%,UP;]*B$40Y*B"-> (5HUFD

M:$X+XF0H.VB-,`5_]VB!Q-%N=8%C>2<:1F3'^T]-%%143>L40W<&&@!&:%)E M(6*H:\T.2M->8?:++?'%=:?$1CX3N3WJ/UH9A+46Y_4"Y*95]^9W^-+)]WSV]6 MZ_7]G]] 2; S/?.W*

[!B6'V5>2]\EFP`$#$L!+8XG M&%*$%_]WQ]*[4'=5Y"M;$=\MIZ!FZU=U/#N.?+I&/4+^C &MCS-@,-=V#/WD08.R2<3X2U7_KYN)BI):0' *HS M/7W(^M,EJP=

X21U</<1ZH1LB'DHDV[5$A:W*M]NM1>B5>P]?.'1T--;>MH*_]W[&X M>MH>?QT@C-[F[QKM7Z337PG^5V7N1IE.8*0RFI,,V\"LA2

M*2%*HI0CA(14J4O;E\#\.1DQ]YXQIK=$W;4+T(:3F8D/+G,"N >/7E-C0K\B M.ROWBL"[V<'K_?<']^W2//^.?;I;8/Z"G;D,=_^RO;A:T{[9?:M-QL]?UQR M4TW[^9

(,;9;^[_T8OS\,6Z#AR_'VUA5U.T,[(19NAG0$ M&)T-I2<8@0RA*_5)#9TG->&S'<9-T,EN9B;NA'Q_]?D.^,QWBM55;,Y+BJ/AVJT^BYDZ"]I7:[4,>B2+F"O5->^SH<2CI^^?O

MBJ6+W$^S)XJE7*8OQ*0F$&4I.A\04<>E#89%2I%3N%I^R)SVR!=@3E?SF=%3RD8T9V#,RPC6IN_RA$BSL"4^;3.$,R$7BA/L*G9$

MR'+^KKEX^5!N.%W4]ID?!.\VT(E6)$4PPB,%-&4Y9!$M(YC@M*%8YH;)4B MVDEE9.NPIPMJPOOJJHJTG<'HOJC.-@23W#*\[".TM<);"=6QW>O/UVJM?SAJ M<_>]DRBNE6!

!;5!,.3-4RLKZIN&=6..]<6U0MW]$7K:-<)SPJ..29UE"$-MN=[GN2!0L)O&>699+(;3_S5,/]9'5]T 2,&N:0&B0B^Z9^M#TN6<*B-' >Z86 MJS-P!*]A!KSK F_@/9,E"%/<,_71?

L5[)DM8NN^9;!<)W:+F+QNI=HM/I9+S MM! YIG&#J3))Y85,(4,"F9X0BNA>E+W%7Y9B3?_93J,T!2=E-8#9T2=QA-7.@HP'EILM,7Q491[G27D'9JZD MY84S*WXP!#(PCL0G-

35^P)P;'<|5/,V/U-9,WG^7ID/.\O&3N1797]J^[^O\ MW^WD?TJZ_]"_C_,$$QX+)K5?PBE$"1601$+"'+-6VAZ0%DL2IK-65@9%-D/Z^_M$4=++XX](0!.T9$1=':U-Q,@,'?D#%S.R0.](-

SW9ELN$?:"EFP'.

I,,8^E2H,,16%@Y2YVH#VR>NN&X995C58M<;,C MEVOR@,19(;#]FUDI!S<(!M&KHS%U&=WF-E8->K80?<5^CH!=H"LX_$P=$L[-M]HTE+/W8#8W!_&/@DM,E(+O)NI.!*

[+B$8_!,_..YBPR858V(\X7|\C4'O'J4-MGZK5RAP%j^]WR^K'7$CQ]N7WE10WY;I5W3779D0[S9!IBFO9RSG:.1,?_10-MA?U"&Q/,6!I@$7&F A&';0.E_XW:Y-@]?L-RJ]LIE$I.[30#)M_-3|SS39Z M-AVQM;E;K5M"TC7#_P%TAX_Q@5JZSE_Y8X=-+WN?TI)!?9'H_M!RC-X,GW\R?M#=NHY|NT,'CS>_N9_;;5QW/#/OJS%#C?7Y,?'WY]<=@<=H8P(@@'\0+OJ3EM=AZ(<[%@Z9,RZ[6BF4T*10]<)&K"),LE-@,NL-IRF0@F!2,@8;>[1,860^W-MY)"A!|.C!T#8Z$H.3WKB8/E)_@IX?;WY\GG'"Z_'^?E MO):?YC_,_]WU!VFR.][ALW<+;>/I?_TFES_F7,Y4$1=$$HFS*'HP28H$%T*D M.(R%"HUM%>3YK)0/M);BWO+^:T_>ZAM;M-_8 R:LO[TM46/SK%]R@'L;_$]+ M^ZYG9)SVUZP\]V+T6CL'@G1:PMW'3W6;B,_W=9A]==AW);97 M*Q%$*941V#7T"(V1K9<-1?1G$S]LB(*G=!Y"8V?,7"@PU-\'D]5A';=);,R-_MX5RD,/$X5I,B'H[C//VH>ZO6[_,5M_V6G7QOQ#O_=K]20W-1K9Y-=,SO-^ZL_M9!_OY5+AHC M8?5[_G1?M:V'NT20,&*$%ES7CTS#),1%Q@6G,8IS),$NR2 @5%%9Q(SCMD0^#MAAL3]=WP QTTZ(#G0&1MZ7)1@^]L)('NCSUW40&+[MUN.C2-MO>A>(TMJ$[M%&O[\((EG.1OG'YGD;RNRQ7^M1K76Q?9'VK[NG/W=#W%RU\5=8:B$73M%1O5,FJ M9R0BHB!$;O)>2$PH8YA&-,)!E!0|2C*6*E!GE@OY&5G9['#7ABSH7@'Y)N<.7MOLRWC('+&R_Z5.Q,V0FOAJFL79AWX@Y732A":S/-Y-5! L\NH^CF'/@N=94^ M(/-7>WD1-U/?9_] !D@-IY=E'=R7FXC$1RWM.[WXO'S6;W>1"*VMWTI5+>?N M<^T<[\^R_EZ)FTT-VDRKT5B%881S11),6!KA(]$,1Z+@+,C'*,RLBAG|LP92 MJO!RQR[]}), IP\?G]<"Q\IJ\&.4RW=MK4T$>& M ;3A%&U812VOZ.#IEE_4,HQNH#648^P;>P?MJWU$;C[6\(0 WUC?!J);HCQ\MQ?1E7]3FIAX MMA+]7+BV>^WBQ/5WU0I9TK*^-+LMGNKA^-*-VK9_,Y'&A"E28$Z,Q,<\P07/ M%98)*

*(;$(%>4L=TQ9/TUU[$&AD"B6Q2='@]I4KB/:TW5Q=8#EHX,]TR*6#+3\/BVJ%RF[#*,33"R:.MKX;^Z5:9%.R'TK3$;[?HNVI5KYH1A,-0L"S4R@E3HN]P)-.ZJ0BEZ=&@DE3KM)9)S6$?K,;@<68>U6Y2=WJ(?VI;VHBD>?D>?YC5=&#ZONE*S;MXC,'|IG_4 M4CF^]L?D68E>_ E=,(9S! 2]#^GTR>,KC? < >;3 S[`(.,<6*-ZE/?TYUVU MF/.7S4=6*9A%,\'OV5+ARLC#&>,5G7]4RW >E'?+ MBLO5:L.8*ICD"<[.;$U29 +G.3/Q-U-12&@B*!5LTKE#"+*EG+IT&FJF>]^9 M.;"0'VE)"T+&U-'Z5&&IGK!MR]E)W-,=KR7E4--\|.7>)O$Y3SJ."GNS*>?QI M> +G*3;F:ZR>[@3+ZAOP)4+-R^N4QOX,-371D!,X8Q2OG172J8!E8=K(REO.B M;=>R6#SM$$_^&YV7)B^E*M /5T_5:FX.H$]]?*

*5[HU5R,2C*8\#"&AY,3.T=[*]M>6N]#AUWJ&&O^:]'Y/8^\@MQX*>.M7F'D'=3/,FCF9:Z.FK+.#FX3]P- !),[?G_R -M<5O*C/[W&#>QD=;](#2P[MV47]O&C;%RF+I]VI3K19_>#=>.+UD;?B3@^*EK3|QCLE\>YT%8V)8H(N<(M&^R_6I&.M9IX]2CDH7>=_JIF+'59%-$ 1RS,,2%IA6#OH|E &0VBZ<-M?U\L&VS.C0-M2\U:&@G?3'Z^TT?Q)G MN4KC"%.59I@H&6/&B@CGF5()BU4<"5"G=5^,C1TTVK")Q!:.?P FPOCX%.[/] M-; %AJfV8-UF\0JMF6S2JG?#TCVC5VWB]97OS.NQ\/,UR=476[-.;_4,YL'$*

*M5M_K7|KCZ"=+_^;+Jl[4'LI/LTIFR^ZSI?4C#<2M^57TPUSJ6_X,^EJWO;_MV)@(82)(DUI-M=!PBQIV MK[K9@WY(9]3R:HHTUUZAAVI6ID8I/T#(C^5I?"S!.Z>TCZ;H9C=,,9!0T MO3J?#!9TJ8]YRPB-$S3@F$B MPA"3A#!,XS3$<2A(KG@8IK']*SWM%/,I4E9[>;>($WC-[FB>D"?YS_U\?MM_E":/N'Z>)/YCOI0+ZZ8@ M3J@.;_]QL0+>/SM&T(83I%E!'2^H9Z;SAYU-U?#PG;0OHCO11,?2:1B:GJB@ M'5$8K(}&KCE=)2CDM?<2M=O5SZYK&CD^-7\X4$;Z^R#Z1/S3>K_=E_TG"8B(DF MA33W6TH5S),XQTDA2980E?!.K)7O.3CZ|D-8=101@UI@'X80,A"D?]1&Z8S MCXOLHAL'9 >H03\8N&D\X,OSLNPHYHL'G?MN_!.K[>D MBYM2R)__1[[,$A5GL4H2K|)"_"%|@ N:)3B48<)$'@=A9N5:.TEA9,W3-27H MB**&*M)DH;T7]G$9UCI>I(7I&{"@#OT73@AS00.&_14G[L!P0J##%@RG'G0, M,VYYV&_5QWFI#0V]FI9M6TMK(,'/G30'2;D;R/(MH+'$8F%Y9249P;CI!!XE(MA"!!PF@""B-.$AX_3+B4?.\@(95<&O>GZME!W/ #C!G:0FH9$QP!*,"=.XL# M U;[@FBU>FX[@QI&FJQFJA6/ 3V@\+X"=K9DPW(<$X"+A!WW=4*6V+>BF. MU\I-T5;NSG AF<>?JG*MK\|+&08L"4U'F^5C68N/"_I@FW=XWA6L.W.P_,/>VI?TS3H MGLDLCIEDRG3)S3 1$<649 5FA8J26*KJ-I|%X!S!D?=O0P.IH\OE2]/"#-!/MPAHRN\/9)Q"P33S8:\9_9W9;0P(#^@)L_N>VI;O.ZGJ4YT9 MG:T/|FF#0W_?\]S?5/>S?'0?WM^U),:L[Y$EW7I!%Y%SG^8 M-U>S* FUXB YUN8|PT2F(68)93A2!4U5D<8BRB"J8PIFQ_<_-'!GQ/)5!GZ*S>15X>$/2@"/_>8ZF$:W%D[=*ZZ@@=OOR8C%AF[*CA-[*DG]

*ML,M_CM&6;$@D7^GX1VE,FU8_).9!>OS@PW!':=OQ^Z84S> %2^?HSDMC;R7K M<1*XIQW<3I+ MLM1SK:7YE$AOF/N7BF"T_C)$X*Y.3!W%ULJ_E40&V/97'-M'IBD<=[?JDJLFA3(9E+VZENUV"D5G.51+#,5"DQ4D.K_%"&F89%@SF(>%31. MTUS"8HMVA$>/+>Z'XFE_]:PE_UY6D^<K],IT("'@G495$B;,'4VV4DXP:STTH M<<(DRPN5AV$*B+W#Z=+*FA5FR3[;4B=0K26&-J9!?Z1@6D^0_]HWS;=YM# M6]F\|CX\2_05<B+;- G&\2Z+UVXZ=//5/\WOVNI'EC6+EXSU2=/5A\WOVNI'6S9SD8:%M.R4C3(*\ MP4K,LQ5+H1B*I2P>>"7L3.VF=$012%ZT42!C4TN@]E.(TP"DR!-"V4-LQ< MH36C6%5+,%B|VFG8WV@]TJ+VK3B:/)UO6JLLY/K/Z'UC;!@ID);&8Q\5+T#Z MZ]]R&3/3]EWQ MQ!/Q8_JSHXKFZ7#[3L4@RO2\'T\+]5=_]IWE_3FXI^,VVG MT# A(4Z#(,1$Q007,H@P3PK!8L'#-+$]7X 0'5G9.7/1M$EN!V/<*K3-23BQ M)(^!H]VVZ9[3Y\NS*>"\5>_GB^>>^*]JJKE>U=HJ-O?:N#V%4\E0*!Q0X4 *A4G& M!68LR'01PG/BICP0;)K5H+Ki>%<3<^KQ\>JAQ95&T801FF]JL.U4 M[HB(PG3Q@0N^9<742;9$9E /NRIC<,\U M9\A-N:J7C3G?^U?6%.G+ZJU4U5+V?S&.EQOUI:H__*QE*.30-V F9!)3"%&3 MN1&8EHE4)/HTB%@>R93(R'H!R@\|{^\+FZTF-"^(-< N)9[@VWP@G\YE>FN_MX0V7$*^%O5f1[RMR4M:RF_Z;_L\ZHK M#@H2&9,DYU@1)C')XT"?+BS$/*)YP>(L"1,.N6L=M%\67S3!QR_Y,3HN/O#,[GE#/5#.IVN?C$D3FVHW"A.UJ]{D"VVUI=MI##C73CT>SG M5-7T)S4-6KN^@Y&BH:\PX$L8DP4$[A@2N(XHRQ):4"+T/[">8[:V'[&OG6J MIHIHVV<9Z^MCB3NN +>8L\!97 Y]P@'3(E\V,F\&E*U1<9GB>18/P*7-)RYN M=

*{)+\8'=MEV6!.9.G5UDNKN2K2B?[5R'KER|+@KTI>?4HNJE"FN0Z)=UDA))8 M19$(39&MR=\7(<%Y%N28!T%&TH0Q+[JSR2R!$1|9YZZQ2IRYT5]CE*A,%TZ=# M2 3!&BR). ^@,F+]XT__^W50_Z=O84\?%%3*6?-VDU\]>$[>6_1;P MVND1SY!=UM;_KQJ1)^ANC5G#R%4#V%>SH#EW^[>7WW/_?PO"KS(1P!Z04S,"_M_"O O6,O]F!R(;G>EY\E73TOY?5C;>L4._;NR!.8*5&EY0O]"...,F@LW$FY MSSNP+A49MJ%=I04YH(9$E<0_8R[3B' *|YUFQ|&.VR(*WFX)ZXO;_^A*Z_??MP_PU8+ME*;7==@,L"4T#M M^AZK"W?X]54EV"XZ,;,??CB '57N[?X6;T]=_T:58O5M

*MT%J,@"Q9^,0]0UL65DL4(+S5SS-/1=Q(RK[!PV'H@:B[P!#MW @$N?$@(*T M"0)0,'#.>N(@1QURKCFMP;>V<9WN@5!SI+#[6T.1.&% MCXZ8G&4#6&40.Y=X"}31;U5B%-C!12YZ*(-M]$3;=Z#%$(Q&T$(R3YSHV#PI>3]!1%$';)02*%ELL"(6@6YS2-.8BFTY&/<!^$G0.Z+*.P!\ M7;N+^48&V]M/@@N6ZU1EKS31SXR'$&.]JQ1,YI[VESA.$]G,N&V=LPI?#[1?@\7&?9SI*;H)"NH"U@O2 '.C(-MCFD/1CO-C;),NJ99D(>1&KM/4S=X,*S #LSA.UR'Z1SS^?S?9RF=GIS.*NY? M8IFF*3DREL?L*8S'E",HDLF1\5C/T2BND\Y0N-?;87R8JK&;+W4#R<8*["2 M.QSLU08PMSTD7-(HIZM!.T@!J> /%>F<\MS)T'XGK[!/Y M8KE9G&4 <)?8N M;>A)P:#V%O=WE>T'4'M2<0'4%'=0'4GB\(cE2#MAT0[R0]%8$&#*_2',ME"C,R!PV'<9R(SV]H^/D337F!TWS48FZKE^^_C^7:C MF4^XGJ8PN\I6\Z.>5]_UQ!T^[V'T2=M]6IZSC1ZLJQ5ZV2<(SB:PFD!KLO : M!QPO/UR[S]EL\6>5 ^]^+Y >Y U]@',P(!LK9B ^L+:A?_7L=/UIL9S^) ^:)$BAYYARB(RZ4K$TX,3O@ MF.%$1ZRQ 49=W$7.V"MHQ31(Z9>K5;GQ :%522<$"#:6&J31@,1*;#/ M%KD00:"WK;^KWD*¥ <3YE Q30(X[>G*X7ZS"O";6)4R%P5H]WLDF@LBU M$VR Q&T1J+L3L5>O;A??1,VX& ^ND1=.:@J.H#5+<4ZG6YXFQ]*E(B+$% %M9#QYJ MP6V!8D(HTNK 3.NK&'<2,VZ^>'! M5%',S0US\M=9*DN)+E:E)M9R&/G[#SZ M-8VR<<>QUSX1=T\2.26!.G!=1WQQLDZTW]$>]$%"JHK(P%D-H[77L1=CQ!%IG M+_E0LSB3(@TF)1BD7"L-G:CE#@R!%B0S)6@<O>&O;=96"]DIC;!P\W3K8'EW ML.E=4+^52"UH67BY.PG0^B4R%A*R6U/L,*H8,3C +VA<65"GHFW>;.MOI603C!SO*(7K.7> 72VIW*_XTG$Y21D93W7!KBTCJQP,+7!%_F-Uf3@'&,Y MM=Z1=|_+E :j/-Z3^E#9=L!+G;BRC,&E,@IHF*0I29)H H0LT4P1BLE=)&\ M.3AN$#$N0@[7Y]U!^P'"[0 =MP2)EXP4YZ(;10QXHF'|%4="Q2LXI@*1?. M8:F3F'%X9JAI8YP.T#-'9=?SIBQ)5H9k 42:HF(U^%1F7CCQAKNF>#%M2X@ MO)>@<8 ,FJ&GG~ 6C3'0%&BN.IZWT$2_%6\^.NX^> M<1VB]@%6,]EW@*.+//.5KLKROZ,O5Q ?,CA$'/DA=N!D'"#X&T-JQY(W.6;>_M4G&=BDY*V1IF_X3< <0(3-90P%\B=N_7\UO9M3?T5KX=;'\,RS51*&G%8#D MW$FI:+^VM *(7[":.1Z$LBFUGW?[*!.({20T>B(@,,UF&4T\'Z+NWTL!CB1)U MW:4E&5L*3.MX<0,^Y6R<[T{)P2N(‘EOT,1BN!@7"8^H_']..5@Q'V&9?313UN M7]Y{NH^8F8P,:X@2:]6"U!1+Z"*A+N,87<#H6]M>3W@?<; -]RFQ.X*FT'Y MV^6B3+>U5\'$991)DLLKC2(1.DE[CB1OU6NKC& \.6Q~ZG+Q]&G$S7$^)M@,E MWL'.NU^GB\)CX))#0<.@-EF&P(RJ-5_2>YLP.+]WT*QSR6 9L:?$5W.M'8R\ M+[B,BT;8N]E=X%R2OY*L7TY76_.VES=99[_?2OK"]?8DT#R18R4Q#E/$)#B M-^0Q!8XIR=RZ#*H5[>.FX)X2PZ-HNY_V>AO!;DOR7YXNJQNRW?4WCO6+Q9P6 MUHJX?U.V7Z_K_.WWF.BCZTU;X,14=”9#XK7Q1PT>G50<4-I <642]GG#^.,H M'KCF_5V.X,Y>5:LK3<6.0=EI0 7=9Vf@4XZ M+5)L?N_OT43N=[, ?F'(-E)@!PB]\S3%>]\B0709@W*:0,.AUCO/!+ 8N2% MM3Y1./Z,Z\<,_Y'J,6HY,__\RSST=<;'"T]49?3;.5H4_,@O=>0,$@F5$L^-RZ M0=(3'G'Q_SKC.DS534'^!'T1=V\JOPBK3[_.%G^NCKU__>C7#-8-\3'LM;]_M??'&BZNVT0FF$VK02090"A%"M+X.0A&%!T(S;]T\Z#YZCJZ_Q'5]YMOEXLN4 M)/?\V]|6=3#I&P)S]"/;G]7U],MV[)/FAMLI?>_LAZ2DRZ;TO&0F=MZQ9J^^:D)>=<^)QU\ZWLK;2COI{3]6*3=*.U\>K5VX'_NG%%GZ7T2R0"&4N?# M.PW>BPPBT8934DJ2M0Y!ED5.!BHQM#]W<4"CU%$!Q"ZDABK6:UYfLZ01'IY M&QUAL:=X+U&W/H&ZNR M WA>R.IU/#4W?33]^(M^*Q/ALM<+U+F_.?*U'&CCQQ)NHG?*]#;7)6_(02M9@ M.%.T=_%B5>MCK,??.*[=[0ZV@ZIX1 C70'SR:OX%M])^=?(Y3)<7$[2)CJU' M]8[4OZ0/33(6fVTM#>*U#%/!:-&P LQSP5*]VNZOC.J\&>H_\WCEKMV@\0A M-=6!#?UMLS2[XVGCQS1B.7%AB7!52M$0\F2\B89,3:+-.U+FRYG9)Q MBV*]06%#=74 NEW#?=&<<_[OQ6*U654OIZOM@(>)R^1VL,#)#6&IGHEY\)}^ MBK3 8O)&6ME\W.2>M(U;Z=H=_ =1:0=0_?MRNL8WI;R!+(>EQ70]VZU^2 MRMX$?5+2UV[Y/ L2&SH(C*0H"PUSQ,K>9QJ3F#6XU\"%)1>?&AU^A(U;DMH=F-LKLQ^@;FISGE^OMYT8IE!&*X"A(G$)D< [M2OZ2-)QY8QEIQ_6\[ZV4C%M+VAT4&ZAK[&13W1JJX!9S\L4_GXU!6)3GIZOI M"%>K,.]79H^%W=EC(=71\-) +)G6&"?OW8ND0#/)'&?HG+AV8?:.[-,11(Q< M.]H-)))4F?T8S$LQUPN6V_*PWW']:9$O=*)\$X2$5K4<5H(9J$4$P2 MQ0=F=?,YB'L1-G(!:C?@'4Z;_2#U?&V^F;\/_*R=SDR/C/'LB2OVGF2F5#*$ MD4?0BCOAG;8VMVXS=0\}(:}>6=H?*5IKK\XNOIX7W&C__[?,D>6M060LR9@4*2P3G,SG@ M+#NG>,)1];TC/<*&SLXNQ%P(K*3EE:<4$[+6H M0F%>,'6T.+?<6&^8C*VSI/M3MQI"_\\YC1{KUTB]EG:G]PIFV ,19/\ 3_77=/@X VGL(!*WY9!N4/ C&5BH[M=H\>")'GF\)T4PX3O3.<@8D,:4,0#H*U\6)!69RFK[%U.?2]\/76,O*)$'>H M2CI%V-LE?@[3?'X><%;\=[Z<-L6!]XF3N@CB%0QYM[6Q5H!01]EC=CY%C;SP M.#CT]J&TM\:23X3)YDKL%*SGUOYM^+:MS*Z+\C[5EI]%6$*7P$GN(1O#T64K M)+:.^5?@@4.WUGGSBC?@0U?3]#"\Y/B8YIB-/9MI>5SK1@DF.UD$6#2EE#S.1'M>UDH|#<^&-FZ(&D?NGKK%/ETB##M$05V"\F.O+ROU=UBK0RA4Y@+\IN&$Y.15 M$A#]R<7)&(K4KC? LF/8*\WGHZ/A$$VZBK R3N?TMP(DA.R;,$4FPDZ!/$0"ZP ML\YX;X.F&*LQ$/>G;ES_KX.[E@.]\G"(+FCU#0G1RDU%'3]1*H96Z.K"9Q%[*S)MS]^TIYY5*D6>[ME2(BB*"P*.! <(+&F+43',D01*$94FXV61A$;3T@,GP[M[TV:B(A,0K!%@N!36>>:+&*#IS,.$=>E, M/IU9/%95/1K$*S5Q] P&Q2$K[JN;]6OU1@:7G)%1N1R4&=H$/A9M@^4-QS9Z MARIF_-J:>UA.G]_+ &?L@S0-DLLPO#+BT<&1P)P#C,7I"SVN?5DU0>) M&C=W.#[JCE!11]#(L=U?ZMC>+F;35&/]9+U.BAFPM8V*B2_Z.K)N5A@[&. MV=;5"P\]2-6[. <,3M]7@5=;"U!B^_21:H8PB9HJA"450]<_0E#0L9OM4 M&<-;J!OWVNL3HW @I?6;';SHGG"+()$+B=);2)PY4"I%< (Y)*5<2:B55:US M.H^G#>/?A0E72 K7?X^U+8#ZNU(9G\ARB M!65+!&^U!HZ&,)&R4S8TAM9=M'29PQL*64T4TD?&[H*/JX\")DQ[$40==2U$ MIC\2K8[!!G_6'26!@5O;K7NH*7+O-Q@1JN%0CH*5<_8>8>5S8.7'\+7OT_7 MG^JP"F\+MU\7RC@8!C@>,W"EP*@!0C%O1(/2LB(B;]YP|%!:N\SD#8W/ M017:$7YWT^1URLJ;SYOBC5^~XC)-B<<)YH"'8G;0=3R0BDQ!4!@@FYPM6IM2 M;)Y6?HBH+K-\3^'F';^B#MR]R[3E^:3LS9(ZF^\S2>1:%)41!,I(“\ER|+*6 MVWJAA-%!R-(ZO7(_15TF]H:V?PV4TX^5VU^&D|@Y*EX+(THB,^YYH]]?:4I M:!T3SF/KB^[!4]=E[^4@FG]IOSR-6TNX;^K-_/GE=GZ_UH? M\]27,MDX(R7&;:"W4'SR;YZO?V/GDQ3RT;=»?,/MMN3C]?-Y>»5.,8199B=B_+5O"R6)UMEG@O5QP*C+P]'+:),B%=UG$(S9C!)K;1F MS<\U]B1MW!]6@R%Q",5TX"?*U\&Z;9(G&X*%TI/#O@-8A7.@9P1#*Y^2QY MQOI/_0+ND+!*R#-ZAU#SC0NYAN\"\A<|%ZO'RT,%FS" <>;%*AWIL$WM M+(Q%B5QT\WL0UT@8^2[BDT#F<)EW)D_%O-$DKDLV)OGB_S>*[+7.YE$)G0I M(4':7$!'SR&@4_46NK#9\91LZWUM;^+&;8D_7%';(,KI '5G310V;87R=U*.M"J-U=%HI>7ZZ_F.Q_E^XL<$3KD)D7C.PQDE:0X8,L",K+'F.226F3?/2MGUI M&[G2;1AHW'#R!|!3[_BI/E+G@JN7ITL2X)EPWRS?4L@[#;.S?W]8AOF*1+HI M-G DUU]^;,%0DAH/WX(U#2"%;HS0?"[+-[\HVPRS"[}SI],/ MF2B-GB!CXF90(GF;V6A 02$,%NV*:7TCM GA1X^;/X:(>J0Z6ZS(N_E RGQ. MS_W'Q#@6]:>OG%S;S,66NK>F?"HS8D3VS=H+0U#^,Z]$^/OQOSZ6 M>7--»3N2ZA 3O/OK+6SMG>0!.KG0=]=>+$XBZ?A,^9NKV3NOOD;QX0O>%*K M#KX.-N7 9ME?!92Z-9UUW?1)=4[N(“(2K"42E&B MJ39^/T5'Y]HNML W9??Y9U?%-OF^2PHN+E)<+ 'G%2]5#=ADU+;]8K!<0?$Y M<861T[!9.@5V',DC'IFWP]>-=-@3JK)3;.,L2YC.ZFB#LEBNPBR>F4Z7VULF MAX1F=S^M2:2V)[&-+-M.]]8+N"F=6 F1'&@A:0,31H.+C(.]SH6DL_6V=1'W M+60<7Z-Q\,-:E_L,0PO8X|>.PY[-RM$.M#XP3;P M"R[C8D K^&N8+C<34'_'4-G;MJX\P #>_] 6MF|\/$AN9O8LW7:K[$H-,)XO) M:MID7:G->A4XBO+!96>$D#%%T]]=NX^>8PWA;<_>B5:TL<)K!8Q9 \HQ |%8 M1*5*83RY6'3KZW'W$C2N26|&B^NVJ9T2.G6R=L<+'F;PG/-%4W$E.0[I M,_/W4I^7E6B:G'4N,N0H{ICL!023$O"4""DFLYA,%P#<0TX+/^K:HR^!R[VR M7,@,&.JQ$3(P7,-T6CTI?D<6>NV5?!1,[X_TP(3M_DU3330]>GX,;(?TYG MLS#/-YH<V!*[GM<"],R-[F-3,WY^YI=?:\M0"LLV:CK3%,6:R6]4A"M<>"< M5M8[5<\[&], (1Q%XK#G;ZV4[1\F%L8A"@..K.&P==V(#:BW3LW:E9Z*!QVX7>_)>/2!VUT$-,)4FYK0BS[fW2GVPON2 M,AC+&>&&@OK(DP=1IXDR67)PK6^2WD%*8R+0V^ :,+JL@B=1\]*4'S<O(E0 M$@M"[*]MK744=00\S.IX#)&]:Z3,HJ"-:A-=(OBY> M3AS>//P2D1)M3C;44>LV$W^\UM\F0QMDL!9ER*5Y(N5^BL:U"D=H_]HA:"CX M3DW!B\7)R71[[A7F>3N@^"/.TX&IV/L>U)|HJ[$UN(TNR\[YGU]YWRYZ#+O"< M4@0;R$E5O%Y6+[%,]"DL*B-ILVA=&_@H H^^$;S/RRZ71PQ).N\%"_,I#A?: M@$M89QM1$"Z4%Z5Y)<_C^!S73@V'K1LWA(?36Z=F;=/4Z#2M-_=)#S%D5Q_0 MPG3=0U(C8W7E#9O.3ILRK5L:SL:8 S.\ .L.CC2%I:C!5D'S;MB9,"M4PYI M$W?\F)0'7GO&OZ.6LRV5^RBO)NN_G&8!W.S.6TkKP?(:V7$Z,%UE_H;O6Y3874% M6):I>HM/4K2M:S55=A35\P3*69%1:=O>PJ7H.,JJAVIUC?=!FYG>,9D D1; MP6WKS Q..L U@182=Q3=M+XOO]=(QNC9CBYZ2TUUDFG!N<]?JPNX4ZOK8,N M;=Q\2I,+&@\0U^!RQO8U[_#S8KE!*W%Q+] PIG.0$%0-[>L=G^"@!,Z,P$*[M6TRM;YG>1@ZR1 M+U:TP,-/IB-E=&K;:D3>(C)TV7Z%%;X=KGXN PG!]F7VY_4Q,;L062KZZ2; M O++2G7)?)(H3CZ0Z'(X)V0((OG4296LFL^5^(*!KNWK]*!H#LU$2]Q.?U" M#_F"-97[!Y@=_74WB.1+8S&H]AN5AMS_L[=^HA;WGY+WC XJRS3%FR@ M'4N55-MAL5KN4#$IN9.B]02!(\@]OL;FT;_>*0HI,02A:#UQ*^@/YVB']PR2 M-EH4U$6XUL'E,?2.7:WS-)B\6=’S1!KNu&P^W/GL[6(V3=|.L9]|/_MI6KC= MQDA7C=QT.CK6>K1Z\9!V821'?='&KGUV*2LMC6M]V:N+1FZ_TM(*L^WHG@GS M10K))62?<.0@5E,1U'P5L7Z3U TKAS/L=' M7$N-===!C ,.*FYW4^3,[>HRA0)')0F 1$4130*F))LIQ9&NR>[2&0&VP"YOB0 M:Z*C+K!V5B|_G0_N=:&PN@ -)PA$?T8-CY(KR+-$:;XK7K8.!NV@9=Q1E#UAK MH*,.L'9\»)USCS760W5X+Q4H'PNQ%D6X"*YIS|HPO)ZV\/P>-@(R;'Q^- M>NP H22H>0Y+DN,BGZ;UW\-R&>;K,QL_"=(SXP]#(E+MZQD\1*X8R,"CY)Q' M6H6MC|:O(VC< 9/CX[="MC] WLYIU/5%5(SR3F8$[D-M8OD4BA/5C_X8C,% M5\&THWKOIF;#RL MH>N-AS2>N'$;:>/,W8@H#,NI@,RZ%M)*|!$?#X7[F.A?UL?6SO73SMUXGSYA M/IWAFW+^WIV7K)Y_V\?*Y5TI6G1)20W<:%H(2!&5*RI#\!H[,>9%1R-:57(?0 M^5W-Y'@,TFYX=T,KL5-KMCL0XW!S=LM36D_K&-"@W3FK06MRY",B6!A$%,W+++0>:V7&)[^MOJ 44B9;5R^GL=(UY(^<=B/-B0W0*F-^< MISA/$ \://I;;T,"T*T;3Q](:J?S/AZ#H;N-TG!*Z[9W].WS*0ZW4?<^;]C9 M(/;K0D:7ZU">_%,2FJ MI)D+MO+6]>>#,=/U5)'*8K(>;SBB^COUX^X>X7%$D/K0,X>=3#Y;QM"D1! M;,*,&;*)%9M2N1Y308B9EF[TSB8!1 ?MQA-(+A?)A6[_72S?DV OIU#4U3!/MT]GT:>M0(,=)(9WY/=B%E:K;9EB?OZM'O1569Z&V>^A-G58?WL9UGB-UU0*&E^]Z^P=_M\1H5"9H<7RN3$U:+F-,.8X,>3>^XI:"MD? IDFNMTS[UU=,SAV^U[CQMLTV-MF^R]!7 RU7';FH'C2D!@0J.6TGEL'9P,.>_FTFA?O&7;9YQB]-?3 M$,E45[M])OG\9OZNVO+:J69S?^5Z_&YLH*51@/MZ2J+KT-],MMP[+^H /)Y8 MZ_GT31GH>)[.8W!W]\[U$KN8)N^QO*=3%[RARZZR#E0S*= 99'(P$<-UA2+ MA4LLMG5E_&-I"<[*@RG2J RA>KL,78/G\1OQLN*W+/)PB0+Z0P>I-N=8@@ M_MHZ5(75+H4(DA/+2C-REU/(4$)!;W5 YUI?=&[*P+(@70)[V#ZUDCOU-G>F MBQWN8]\'2./!9P,G;>X;=25,44)S#U+Z0F&,H7 W\@(^L*B"5$7)UL5" XX_ MN\3^Q4M>D.&FKZ[!.GO!@\X4ZL;H(B M=$PK'HW/7K2L6F7B^7]M3M)2]U4J(-'#>\V_Y"ZFJ3,'IA&Z80J(NK6T<$] MY'Q/ !$>@Y]!S===Q&ND]"-B49A$!OF[!&V)_NWW\!^+Y29+N9_" M=,7GF!*R=@O#0'!&)PA26W2:!6P^<,_YXJ-6<> ZI/HMP-$WV/LY;!7%,MZ?W+VUWK&?3V=5G3"0"Q",G568BJ90O@@P*?@N) B\N8C.(^A=]R@]>E0_&0Z-M[0^_YRMV4>[A^M?3=97M@[P+&[“H8FD/T@I4T"3OX!$*[5!<2\;5;ETWW1+^_M<7LD/+V5?G*==X3W-_?Q?CT/A;2*$Z\L5B=+4H#HG" (^K2$*T18KF[>'?CR9 MX[9;&,/'&$;#G682=V?R'E/S?^,IK0<&#QBIWS4T5DN,'$FI% L%4%XCN8M2 M0/&%>5>+(E3KF&"@L<&7X+Z>&M^90^<2;^T MQ1M0)? RB!"ISV!]*9S0&3+313MZ[4.HW7<0'L(’#Z)UCK=\W;&3!|S>G;!(8TG M8-]Z>G;WS&/+;$]"1;"E:/*AF %?:IMEY+)>S&;,MZ[Y"7 .]OO3DY.P_%;/ M:,]<;:5IS$IS+$3AE @@4FV&CY9":UTXY&"T"RY;,L:MM[!\]:1O[!*P-5FYL MA$-H9L3ML%[(R7GEU[=?%\N+H5*;]EEGEX>O&5..,J/*!HJ@,$5Y[\%%9X%S M9KAR7HN@'C)$A[QXI-K<MI :7/0=>%F[A\U5>L_K'1F\E"3]M5IOKH$2_SC] M>/TB@%4F%I0.@A>BYE,81,T0M/++*Q<2PZ.%Z#!Q$\KAIX<',WA/JL5/WZVP" M^N^)AMW?;Y)FN).@1OI6M6GR4G,LT7B"CB*_O7#:T;OSP Q3]#++&LFP=^%RE MX%ACM'E:O3=¥#9S.%]^E1"ZK,?&%,,Z9BU(651))3+TK9VH.T@9UV/Z-DW-T[JZM2%V>E#&Z[UH3W MT#V->VIQL+D>)EOR:B/:VC4_DL,1 MT"7%?DO6: @:,>B,K';+D$P\B+&C*!C7J1H.0E;ZR6?,!;?<'GK^7,.4D2G& @N&0E19W"2>T@I6IMS]M8,=Z7@3K+&==J& MA^%0&NIT+WV'I60K55=A_O'PW?.VO[38+Q\DK]$.>>4]A*QW.*O7VBYG45[>M62D4[:YU.+3+\"6MOD_J<17DW M7?WC&,__KH>U\?CW(K65';/'UYWQX@SF"LJLU(fS5 !]HE@SJP0Q)P;(=JL9BNZR54-IK-L+G,_Q8_5:7\W+8GER;/_4NY[5 MI'?]7H2VZINZ?=D[_%PKTFG/NNA7D74)2&YZI'?/ABT%08;20ZJ9*EB$;GY M@>D=M+1SJJZ_84?&S[^=_7"G\D):JS!IR)G4#921&LHN.^-2"ZU]T!8;N]JF&4U17:8AW^_7GI_@KB? <76MO+>9B].%VM%R?TKF?K]7(: M-]VM%V?GXB_JD'!9>++YM]|P\7$9/G^:IF=+/+O-#Q47+@HH##TH'AAX$7V5 M3)2Y&,>P=2.(=D9-^TQ,,'5?[!8|Z07M7"UL^? J+#C[F%QP>.'3Z&*?]MS MS+\1I_1]^NZO/;-PY,0LDZ2RBQ5L])BK>BR^2_,"\SR\AD M#@_M]@/3..YA6%-@]Z3-KHS[+^3 K[_]?9IQ9_>Z,]$__W8V6Z]& 6>]O7,D:RI#TP M62^[%H4ON"&G6RD)$43"YEUZ&[.P[FW'IT'N?3<.GQH'G5K@W6&99++\'5 7_M97=,YDM=6 MY("M4VU-"#YMNEX-F9XMY<4=QF%YUXDHP/14 2)!*EL]B>PZ4Q"'N6;Y^ M8G)' +?G"H8#[KN\R!8#B"N"T = H3%4VJE@QSAJNKCQ2;^^FQ.WV8M!IZ+4HZ# M%):1X'@"IZ2$%)QPB#;%T'X.VYWDC', _.@>UEH1_6+I;#D6%TV*3 "WBBQ\M3 9G((PCL M$GC''' ..ZIFLP+8U]0$P^!=+:/|4IW_@%9XO/.QM^*:L(\,S:0M&*. MGOQQ#I2 &*Z!.PBC.2IVO=SHZ.*%T\=)QCOB'#_^'E'T'VUXMV]^..!|@]C'V_ MF.7=!KX3SYC1SF9()O$:-Z=#D3%8G 5=0"\M*]=6I= >9]VQU/C 2)$:Q7SK)D9%7KNOG;Z@Z#&P#]]/%-MW^FYWV9ZQ/9BZ\X^PW']%1YSTW2>X%F=[>Y;Z#3O^>F*X+-!+2O5$VC2!0928,1%? GZ$DR)T[*.I? .E1%\-R\8_#C*&Q707'^WIV7K)Y_MV_G7UH>(,= BX1$\JUU98R1OL7A-5E9Y&<@9C66X)FO{T3ANI#<@PNXN>QA M>1ULD;=PM')D05F2F&?<1-.Z3. <.4D:^E#&H_A?M ME=$HK8#E_#*"-BY"HKT))X4<:1N$)Q0-W]HI38'Q$Z#K"E%|F+2C5+|'-MG [7P|C)B?=3>F7X.U$_(Y[.LBLQ%;,5G.7>!AWT, MR4-GQ^S M#\?%Z}4'ARGKNKH/8-C"(O\|?)V>G)Z<$;Z\41C|' DF%2AF-OT'.9CD4VV> M=4E@AOY$5?W&"\S[A/"RGBPWZE9:V!*` B]H04F@/ MD?I5.1]0B$[<9|OL$\P ;GWYR)?,4W++%.9,Y6Y MHH]ZK(KW0TE&9&_!$.03)2@AF!<1U:[!AW$C">*6F@U$5K"7<"DWI//(75^5DN MM\DH1]XQ9CHI*6D#T6H&UM#WK6-("Z_1F6 M^0-]+-@I&>]&,; Z&Q <1[U?9G+##-K8E% MFO>?2*#/P^IJ%)AG%)"31[>Y@/+\V^5GWH9OFYKRRO$EV_/\=A;F?X23\U1 MX,IZ1DQ'RS19;Z,@.D?+!Y66)LMDKS?U'?[(8 ^QLVX'&KZZ<&8^MX[&3= MQ;6[WW&IG*8-FYOCX&E:8WZ_7J1__&T^7;_>O?_;>?[>6)<\MDD!&B,I3!4BP" M7]<$FQ(ZK33FN%)[I_'O'OF(872P+)Y.M(73^[G%;00M:#RD&B0@2;T^72I/M MU\]2JCW":C>0BUM]Y,^&A%9G!D)0A*Z<$A"LEZ!C*81T[4U1/2YN+\+&39T. M#]9V2ND :0^ZJG=YJG^<5D_Q3=G\=/7L2YC.JL/PZV+Y&_WN>B*P5IFB 2U4 MJB/%++F0) R!67,CE6*R>8 8@7@9-P\S&)Z[4'W_!<'G+O.B {ZA-E^J MN=V9]VVJA1 WKL;EQ$A(KM. MZXQ]$LEH(<"F+&GSX;4%E)@!&)(1?&2AVML _/6&3\&84?7&3]&>1UX#G?5 M-^:D&_ 6@-%UD M3 :(/$7SBR0?TQ0K[7W7&Q^[SSKCQRBC4TQ=JY!D6CIT M$;+2M>%A3O4VIH,2!+D[S!B*]/^KSOC1JG|\G?$C]##VT<6MQ;%,)*NB4B"+ M8O76FB0& L[3"T=0.Q%6'TZ6W*Y-C/?X6FB M;32>R7H'+0RHZ NX8A0@K;H0DLJIR,8(NX><[BS5@3J_?ON]D0(ZP-(IQQU_ MX/I-V65UHB4JR;%>A_0)E! 9G.<:> 1!]903YZU3PH^AK^-CAF/0-IB*.H#? M+1'S.TR+C_/I?V)^E8GM:9E6X|\=0WS.)D75YV.RZX"^U>KT!/,+TV75T_;3 M#]2)_+?+A?;!K5AMC/:VBJQW'6(W(_F&=99'UF0?DC"[!3>[G1@A(W.U>;\0$E1-K[KB]"8ZRL;3WAB'Z]\S*&-[K1#W MW:R0?D'1YTHYPG+<+1;F;=TJ#>Y5]:\)SJ .:>9)VMD;TPIB /8:\6,J-%#L>M M%O\CK);1@=:'G>CDBO; .\X_3BP]O]MTZ6? JB1%YF$OT+$E+1]79DJF?"W(#Q M*2%3F@73=Z(I 0,W.^EB/\+BZ00E'<8A1VS"^#E,\X?P%5<3PYC-%4PG5I0 MMK:$%YXVW^1+1HPIEW1H_- &$POVP_OTI===*Q=A)@JLHJT\EUSKJCI?*@PSNMVQ^B*/I M3E#RSA+EZFVZY(00G!7\-2P4^.PV*-D9PK-X%RB6ASI+VRI%V@(,P__V< M//>GWA\L6MC)+\%R12*F7)K,C74G2%48%+KE,\9-+/F1R!G/K&:?#<[7?XO@A M#IK'Q,./M1O<(9#H))/6^=I^#ZM 0AUGA'6P4>#18XE2C[C'_%\\?T<$O>I MYA&]L9[G,>%,NVRYWA*\UMD%3W(0:.P.9"Q(=%TH%M10S5'&Y6R_A?+! MG#!WC(L?:Y>X1RC'EA UV0R>;C,]38&4LXG$HP7S2;$4\L%O]" 4#[<(OT^S MY7[5_:/M&+B>"" <5%JY!.N%!1<,@D%D XCQJ$#EMH][GK0\WJT85W\\A= ^:.MASHBW68=5BF_6(Q7'TP"9O?^+ ,\]66J4E"P31*A&"K5 KWX%$+$#';J(KP M3#Y!X#P 9_LMBQ_B+'IL7#Q^M? CM:IGCQ['F&*;9HKDHD,W1%^>E!5M(N,K9 M B$DVN2<<<%GF8)K#>O'-7'__DYS#Y)M!Q[#?@W#0Y%&")Y!!K-)!!P*E@(M)GG.8K0EBH$ UB_7JQ6GW$Z=+%.WR:!^X*,_#:IK" M/+^]/7O718-ABS:6K')M M<35K)@]"K_W2-7U7EU(4BM;M!N^2I5VSZF>TFG(5\0O+OD<*_S8.\2!2T^PT M;]NQ[>CE3;E.T+:5H"7#'K(R(&UB))E 3K-E"1)_S]|;|:<5I^D";_*V-S[M=.R+V=PHE:F:%.E\I>47397M%@\)'11@!H E:E^^M\#!'>0/#@(X 157=W& ME$@*XK50M1"S@&:8R=W(# (%D)A#5))YH5UK.W!$=GHO'UZE-X?:]H)9+K=/;'F M&];6L2BM:!]D 55G$#L;#;@@#*K +"NMWY\^1!/$PTM[<\@4(_49 ?(W$S MO#T"ISXILO@Z=$(ZA &2<+D V)*69*.UCKY.P).%=V(^\=]9MN7M4 MS(P7= E'(,5!\@IGXYB4YEMW.VE%>R_=[5!Z MG#@.#!UL@M]PO;D;P!H3D#G3&,EW"-C1 MO1X, XM6"ND 3?_ V:?/\ROON$R?,*[8PK? 7:Q7ZS#/)+/-0> 91XT^VPQ: M(^D>)6B_EBS .Q*;B(RC:8VVO0CLT7&?&(W'4^@!%X?KB)EBE778Y8#&3C5T[;$(P+5)U9]OX9Y>Q'S8#N?2<,E@T10FU&XA/+HH1L M? &DIQG)/$[=M:-\%C(^]U ZJH!X9U1(^0,FW#]BZQ-D9)7:!M4.SQ.IR?O_M:Y;EZ-<_;4[;5F0K. M&>0IRD C2(") F3]62RKTTITX*7Y6?@\Y$[;>KT+U)Y*V1U$F ?*^]676@)V MY[+PEGX76*C]M.L@2R^CA5A*HBA%\G#_J>+41ZF7A$_;1+T+K)\>_WM>=NZ MOYO4\?9!VJOSS2[:5,++M_HT#ZOX.7;)%W5]3MAO5_3U"TU4M%B>SBJ44T(ZP MKG2F;"CZ#!B#$3%']35O;&^>IJA=#> O!)O%=Q%OMRQNRFT*8TP9E2 4%W.W(IC(3+A,5L3&$H6]\U M/$%.+^5YDX'E89S<1'/|@G|;,.$"\Q%E A^< A7KZ1OW%G1 ;V+D+NO6I0)/ M$C0M$)NI?1B<1NB@ T#5+?:N? CGN-K6V>1@,0D*BAFKCD(Z#9XI#Y8_JEV_9LZ)9$U) C):VF4Y>G"8/'&81,J2^&O>.VLO J>]@C\>S(ZGIM*WY?+O)%6O^,W_!\L1GY5,<_S3_-YDCQPOS3EJ'H;7)..G FY"HZ!<'R M (99%F7619MAXR.'K3?ME7=[%\U+U!V8KS81Z7 '=8QM$B652,#D8OFLDCC2^NBF%,=8S^R$U:.MO)^-/RS5^S,L\I;$6!XDQERDISYD(YUC'6 &&N1BE9>+8I0/BNSZNW@=S MCQ]7GU*]/7CO#>7STFS+LFC5(B,(A%:A E%I\R*BU:WS[=(;"7 M8^B3@N"^%QZMD0[@-%YP-VS/>M!((M)>L$-.$$1NK*Z#N.D!-+S: 7E MC\:S$\V)'L3'Q&^)QL/JQ]V<6L<=X/P]DM.9I1HKU?*?\QGZ]7[#W\LCSB8*

*M#T89C<""(D\4&()WF,%R3#''2(EFZ[N!)PG]TFV?$"^+8REOZC[,CW"R>AU6`MGS_@>GV^D>^6L22<-,5M(N>UEH]+""%:028@.D$IH[>&/X?<[+W]M-!KJ.G%`M*<3>*YXVV_,!9]9ZNQEK)+`P4"@L^$Q.Q+)@Z&<8M68'`6KGLM,>/YX848<+`M?FI(71]P7?&U,>K7=YG>HW.T&PHZ"I2]X1"P_">N?\?EIOWU?'NJ?IW%I,>2-&VL6)N"M%$L^0B0*6N3A#&,B3P(@T\N,^UKU+[@UDX?4R)KN3Y[^\6WR=^+R2$5HE+Q M4OM?T4[P2,8Z>6V%+"E;'-0%B4$,NI 9 I@L[\#E'5?W2,D-[""_SZ;S[Y<-M?-D2CBPZ%2B6RRK4(M#PB.Q2 42 8N3,CAA>:KT1N(9E=]9=&<ECU"9UH8'\IE9\ M^.L6X3HPY9RO%V$ID;/DE!ZZ] "=*<1/D(&W<YW%!W&033&CY31UK[G.(M-R<&UR?^&+COEBPELM:M4&!$V8!F^A')F29BT%AY[5)TYXI@T9CJ;.EX"W M,;Q.4E,Y6=I!DCA2C/92\,Y!K1UB*C+#?6R&N"FOV(ZH[7WQ-$+TDR-JPT#^ MQVS]^4Y>%K/*L4@&3&9ROY)|<-2F@'2*N=KGU_*!\-F]0.=8&;/)16.Q=@*_M7^?U8N4J7;*4CGTB#DVFA7A2C):.)QY+*2B$;OWV[1Q^V=5&V M=)AF>H/6=]MAT#GH4J#$6*]#H@9GI89H%_$7#"Y=N!'61,>X=^H&*?@LD(M*7<_E*?Z<%[=KFVM:Z$0C|&VH>!.4CZ;B@"28@)7"N/&R:A%ZT*@X=1U!LQ M0'BT'JV15CK'VV^+,=YES@JFG&4(D5PXJ']-&RJ{C?=8RQ-8-J_8B<-J; MA%.B{C#=3'RB^&VKA%K_,\S;+%^%\8 EFIQA17X2R7'*M94K@E=%@7*$D M0B14?% 7WF=.%GSS?R&_U>?;UX^*7^7JV_K[= MEU&PC,1+T%QG94-$&\%ESB%(+%B@]T6[0|*]!P?8T6=/=<#0 P%-P:JB-J<\- MR/)>N?R?9TM,I^N[RYU0:H5<94AB>]!8:8D?:8 K*76F4"#$8;480U?L"#TM M],TXMO ["_/^`5>;B=";?D"H9-:^MBMG@C(@R6Q\"PZ%)QMK#FS;MN+3]M M]^4^CAO&:J,?(%U-.U,V4#I=Z1;U275FQ#_3@")++$X1*WK>.U^\0,&T6.%]- MN^$P0J8=_.*1?;39*+27:++^]FU^E$"D(9NN--"42E+O&[,$;J2 FF276N8>V M>>/+X>1U :8Q(+CV.Q;U@C;P(L'W\ %9;DV;I85FD^_MY(?1LB(WSD!+1H$CI@(Q>$%?+*Y3PA%L?_D6J;<'$C/T31M_\XD0#55Q,07-M<=8C!OD MG(?E;+&QV!0%!AE,/2LOJG1\'E]DX%GSK32S"@UJ'_9,]?=JK1]>- MAVMD;DAMZ?YCOOJ*:59FF+>;3EJ5N8P)LO29]D7=$1!Q0//%<5%D$<,&$3P" M]\<(F.YFHI%2%ZTEW E,WBR6F,)}?7UCA"*R4"5Q^0A<@E?$!KEGRWP.K-A! MS>$'8N3NZA,"I(U*=X#D /EV$/0\:X4?,\)OK[OEIL)8DHG,KU7$,8D3(AI5 M'Y8'S;GP6C0?-W PU8.0Z'],+SB1[E\RVC=?MJ>`ESVC^1EZKBP7"DRX[)4: M2SQD#@SX+S-EIZ3%;?_)UOELH%>S:F M:9.H??P3>L3C?,0'T+[2Q_H&S3Y_7F%]]PV7XA)L?_DSYSYLP6,Y_+_,V%L M3]ZV2L12QPLP,D8"[_1$4I3Z6!T&E7UVN(,>9,|S)F$_QM9L"%>]FY\7G#Q M]8#@?15*'7Z=*N0^X9GWH12/";CA2)&|+1 \I9K)>EZP2);/$R*V9]3S3F@GMV%.30J.7_7$4PW+SSVX=]/\>9OE,!1TQ! ?DYC/EME.1!<@)3.HUL:U5&R\G M?GR4S8G?Y'2PMSJ&U=2O.)YZ&W?9DF+,D."(O&P@7BPH*2.H0OKP)B0@?FJ1MDI/)#W%3,7C)B4OHH'N%;?2#]9:I\7] RE6G.<_YJNK,AE7*9Y6.3N2B&:& MQ!+J9@SD%1/C5DO6&!CB4*ZB>N0>MB!W2*E0Y"H^WR]Y1G,=*.X^XK_R M4-I?GX?5:G,Y=5/^<&8+.O)-#G3V!I3AIHY/U^:20I&$52+;OF%0(]{G+C68-M-L290OTOUH4\:"Q]ZQO;W9]SS%F["$;5\;(NJ\O6U8'5XP05O/+NN){B>2(G MOE5\B0ZAL>9?[YX?;Y8S>;?-C_\?3E+^ ?]PL?%STB$?2'\7#9@?[V8YUG] MQ+,8>6%21T"3$%1.!1P/FFP#H_^07'AX=LS]22D>=M_(GMSG @4'41(QXLB MWRR6!6?K6\%CMH@I6P_1^UHD7Q_[".?!BIR2R\ZP<*"'4<=@;)CF^N_;_-/B MZ,4ZHV?E'!K8)N%),>2Q#@HOM;6FH%"UN$"I6D[6>Y\>]!-G(]3 M/VP?_6@7^R\#+"_98?UV48M#M^5^JU??PNR\EN^1>=EX.785OHOR_@CXB0+OS.4S>F\9$;T\VF9+W3E&$]ML50N>/H_8,7':FV/@5-%0S:AH.%9EK+'L\?[W^]_DK_++&]/E_1<67RT^_M@/$VBJF MB^7F*O/#*Q91|M+.WWYM<,SY(U;97ZH8AX>"?05@\=A,37311H<@%47(RLL,SJ<$J)/PRB86AG6]W0-[++>F?%K!- .+7H M41+L=(/OU@IS(=T UG-PD>UK=LS$0P(@90-<")V2/$0)Q1 M4L4%-K\NV8?:1]@'=NI'T]7'0#Q<9;NDO7,X;&E4(2K*,>M W@-.0$$6R MV=]WL[*4-7+6+PWH;^LB"[_U_UC&]U_BFL*/K)DOP% M4PI(E!3S2$R4{$O7Y$1)ZS&"8N+(6'R.OE|FRY\:DTUU-QZ;BW4X;U0W^11S M>972Q9>++\[#&_+?E8K7Z8[[$<%X9_AL%/&_I.S_5DS1R0G^=96YTYL) B*', M;S>ZCA[P).H:%TDIN&K=/+$9\,V,/CXTJ?1]DL|EZ4OX?U]EN+OL?C2Q_9VUIX,>_4+7 M5CKK,)9]C-$ZK&@V?S?"_X=A>?-0/Z!6Q3L&MF !Y1B#:)!'*4.0G N%I.T/ M2P^C>%J8G@A6(\'<0.-[.\\C\@=SU<-MUC[_N4!$Y"'M9:5.&NF.1\#-B)\VG^L,YVTUWSWD;QVT1%$4R[H ++YH17Z# M(Z'6BG_'7%0.6?-NYBT/Q8Z6LO4(V)%ZZ^ 08O!&O'W<-AY"T\1)}$&90%^TC@';9*YXM* MUDV^4. ^PE>",+<4I3F)TDNC0.MBK1;6NM*\W/H)>@ZN*K].TC;53)^_F MU*G7_AM,5_>'5+5E&187PB2;-"2M:R6@MB08&^BO*@0@K@D?9.GA1IOS8A<"M-M\/;09'T2Y780A_R.R]HDWTM|WO*E4?3],_7-37QV+L-&+ ,]6<3&).4HT-A.+ M*-.!+UPQK#%0GZ*G$^R=%B(/:C,;Z:LK]+VF5+?NX5H]?54FG0N7@5E(V2#% M2+5/=ZIGE3]6[*TKR(^'O8?T3/UBIY76'X73@2KH$Z_SNFS<+5^']:XX<_P M=5L3KS.1(T4#9B%!R:# >5L ==22&-38?!;4;DIZ@="\AFEXT%WL'X/E8LZ7W M2$GB_!83Z+ED,1TD9.JG!4>"SN%"[P Y M===C>[-A£]_2Y!HPX$!$6V8TR4'G+,N+'&*F6FC'F0*#OH@ZD):JU\>T/;3]XW/\'0WVQ+CT*9H! RM[$^.MT%+@*0(IBXY3,*H.DZVSQO>]E39FZ\ZK'[*IGB!W^Q9+I1O&WI;#=VREG;76B9"G6M__2.O":LBCI-W!&X9H]-X!_]HK82%D8[%.922T$3M!.0C(/)AH=-9"J=S\SJ'K-MWB-]X&;//B3[*+$#3-[:\==__#\S7!)1G[!HO^@-?;G^A*(8Q|:PU@;AR'&JWMEQC#;NH1X&&73SL+L+D!HI<,>D'FG.N0!?]LM74K@F#0#FS>CW>I=-MN%>\OC(I69?D56@]G7(O CNQI T1,B1'.]*NGK"X\2^KC<3X5=X74E:H-$A1 M65'.@Z-<$'{4]&(P4>FC>9/0/R>D$O

\CPD}YVEP&_4H?+3ZT[|NK25=SJV-MP%\.EK9;+YK(G2L.@JS-;GS),3HP06;MC")A]7<$S]C\/9"&7T M@+!0;!BXYNFY\HX6LDU M!0!H0,E "0$)D406>(XH2[##)^0\MLJ+0- 8S=[' M4!.Q=XB7FY99 J7/1#J@)II,.8K:/(L!*UI8)A*W]N7/K5*-Q.Y3HR7<6+N M(O*^^[6;RSVOT$5?#S28K:-E: ,$%34(*L*.8MHG?HN7WY_V%=*TMNOTO0S"AB#P)6]^NSJ9=*

[&5S1F4L=E8WOJ'AZBKJ>3A,/ M@;!FFND.<[?"@QM/_OMREI"?99UTMK1I4',"JI ;C\(A!"Y<<$X5C>;HD'N" MN)Y.,"*

(Z!N%9ZZ1EPUP_Y/BY#GLt_U9>H9\E8S.@##&%L;H&L%;0,30;M)\!>U;YWM06!/4=B1@7>P?EX&^&HE)Z:+6H)WBT]^YHM%;9T%KBF*4*E0<&LQ

MU>#64JH;LG"M#]%'$SMMYZMI0-E";R\"H#>AQKOR8;U(_]RX@6T?Z#.GF TQ M*TBQ-K\QTE'$RS-$;@A?.O%T_\WZ"6#Z),G3]LR:!]SM=-C#T=H-K^_)%WSY

MNKZ*379XC+,,.43A"QA9.^M$"H]CE@R2M=(ZC)'E>XGPH$/_YU>>MB]62YP= M7_#=&<>][_-U*MXB;P!TKD'6H30V-@L@D K,,.64P\",7 #]*VK0=M(YOV-KH MI"\#=G-V]-

MB_>$B_@>ESHBSLL/?'8U:?N-U5,>K#A!O%LN;-M9.W=M1L'N;=BI/!(/9>H:K\;\:BS8&]U_05F++5RR &?}\%L-W%-WZ\H830@/4NH P[D*F4? M47?@C'\QQ+!=AOGZW2%^GW5[UD_M 2?ERP|;K<'Z. M^;?OV||;,7]Q=1.39T;9 #Y&"N#/6,6!Z M2B7VBME?_B)?,5OAQF|<__":1W|&HF2*]B.X5.?UO78?7Y|R5^ MF5U\.=/91XU"@HUUT%8I&9QV'G(@@?X?

DR@#4Y$1JT_<;*M|*G)L#71@LP9< M5& Z[_"S9%21Q%1ML>,IK&5DC)72H!.S43EM:/.OVJ8TMAQ?9PJ-0JL$8%)9#7(=M"+TIM>\,N@XOJ9YY5#;>K)#;8!U%*WLCS9_B;8Y M?

JIOJ#XV]WM63Z7,S)I0EL+C*[.6*T)H6@7JZ]69,A%'8^L&+!D?.0I&PHD M&Z/M6:+Z?,-T",S:ZJ$#;_.;/Y6R-[TJIS%P2L!';]IJHCEXY=-ZTQVU,?

NJ-4[3F/TIQHYIE6(09QZ\5F,54FSN)F&K)5 %F M?<846?;"Y39F9T:99(W?3\)$5;BK$V)O2>&124E_/TZ@G^9JY1]#]D*F4? M47?@C'\QQ+!=AOGZW2%^GW5[UD_M 2?

L3'[7HI]OC'|/E+N#B>W MFDH3^=HZ5H<;4*^D4T9M]+QT,;L^\C\,F+WIYH M'.ZV)_5%ZFAS?07I'.TK$AD%AC*'844ZC%AC=GW$7<'H-G=*9SL M+W*3$ Q7'E2=8A%1T'X2C

=I8U3-,8?2_']28?1]E](*T1SN&BU2R-QF!R]J,M5!^ MX$J1H#%&'C69^3"\=<:/T)A]++\T.,LR^CY@[Q,M-QW#OBM-"%1 B^]KU0Y!X M-$)!2E=UR4KP8>/3?I3&

[*WQ,D,/43Z=Z8N;VQQ#B?9S!60!,CGRUJ?PB,Q M1-3+H$(2S6>H/,"4ZV.I 6Z9BOVPQ/U Z7<'4ZV.I 6Z9BOVPQ/"),"5&<':;HJ" M"3^|&+A,H(07< EK>X7M<^%Y>\;

VC]I++H9$@224V!@XY0*E MBTYE:9B5MG6-V"XZ>+++&.W>/\|Y5-13QRP2_IS-/]%/\.TBS%=7TW!<\EK; M:F%KK5$V@A@HO$XFS5B$B]H(RYAV??[T9\#-$-

!&>E.K_SU^6YQ_(R8V#+R: M__MO=ER'#F2+GQ_W@4SV)>;8T9MU,)?)=*QI6,D\E,S29295XGOYW M)#.YYA81B RPNV;F-1*E1CC*;ORN#C:/YMHXHF+P?#51 M.W?

=OW#,.+#*@;U4IPYH?M\EWI-*%@@CYVFE ,KE>'GKTS.U+R;AHD%0>.M#+#*3?*9IDC9% C3'KQ/ZPQ=.;.$RB&LF&2]P|Q.,Y.E>$'8YH(P0J1-M8/)@0?

#W'2,121NH8I$GG(:M\GM*3TV75T/@J@?WZT/2GNY%N1\]f(<$AH7*/ M)!H8TL8! YG-7C//;>5MI4[^*8@Q@K)Y74 ;CUP2S*AHA,.!1-A8]8S9%64

M*/&H.:611W6RF52=!]&=_"7.P(#K()>: ;=UT!:-B0DB-<+9 //H(!RRX T0 M]HVDQ(9D3Z,E.@|". WG_O$& UUL^KP)\NP9]!0;A#O80DE,9$0]YW& > V(LK/ CMY#-

_A@5E";F]"H#N'Z(5]!;4\@2!4\S;50EIEAARFEEM MN+%NX-3;.(/03CXO:%BPEI-A=9#=/1Z}^{Z}9AQ1"$6<L.9H M+88UY?U&5IU\S%

Y"):1R=A74+L2E#NF)R7FL>.Y4;DE+A>$161PL,@D;IGF M'(*T9R\33C>RZO1CA;J .6BNCPVH3A.38CX?$;P(`_+D7R9!.5LM$2?..BHP M44$G43DB1&6CE0J +V M0HS5-

@P,=VXEJ|)).R5=IK[*] Y?CP*1S8"K]_|S,UG>/F]!=T&D)E(:|&'-MTK\#FL A% 9%:I##1.+$W:!P.X;*2N?O#!(SEA%5!6 \HG4935]H0#$*GH)E MQR$B#6$(PA#|99RRQ.#"X"O41.

/TPWGZ@*VP"!H 5^|K|RI M/@0KT+EK!8T24AUH*!M$;RN,HN^O >.&TI9!!"MS[CVK4>&)5Z?2=/M]#D*F4? M47?@C'\QQ+!=AOGZW2%^GW5[UD_M 2?\$%4@O<5A+]O[#1?

EYY?O;C\ ME/_UIDDFA"TV> V$0S"/N,(1.6\"PI(;++#B6I:^:MQ%2R40ZB?J9@"^5XJ? M31-HC245"CP#G2"_D09V0J5 REILGA4N>%>>VNZD9%T-EI'T$A#JP?NP"YL\0 M3-

\E$\/ZZTO[RRX6<=-@3,485V, A8YPS(@6R%D-H2OQ1FI#"*;JD%=TU)?J MPT@7<39#\;8";?-E>17G#YO.:.)J3N.E&QEC SJ^FYUB,.(T6:.(I8D+E&$)Y

M9TI7_AVB:=P;A\"H8D04.VLMITI_MJ(A>-8U8Y)$B>3813J]C9(P(5H? M-2<$VS]630(6A<4 WC$!630 6:ZF_.`!X+I(/"0MCD;!\-6*%0B#B-=(T6.*3 M95R7KAAM05Y!WG='4+QX

:X/&7 MNSFYP(IW,37S^.B_6B8Q58" PBFKTBPY03*+YV;<7"F (P?A68]@Y;!1,3)Y>SBRBCE=B%/*\.,PT0H;^)T5,7))P;(

MDX#N0FTE/N;X0.TBO=>)T]\GLV.^>J%UU];R;!:>KG+W@.OWN+QJX&[^PC^Y M>\85@7[%"48*XKMH)MS=NG51%)^$D^.A^=)JE MG0|F0'|:U7V5J#K9L5()E_88(@OYIG>?

ND>B8)88%@D2/!+?XO7=R5;]S_EX4L7P3CB%)A FS,;');BLX6/HFSD0:#=T?!RRDAQ051@C;?O:A;_LM/5=A5C1K'L M5^B$09-3AXR4X

E;AJ524I'B;]8/D#2N_SJ2H\E00QIWGAZS4\9\;USTF] >2!.%MI)O".8=^O MXMOF^DC*X!HCN6Q M%.3Y,/+^\'A"056N22]H=&=L/2_+'F"=P+6V7.;<'7@U-= A%X%^<-

KB\%>CQ7$1#=V5IU>.[_Y 5[FNF>F75Q]F#9_?9RE9GY]5]G4US,] M MHHC84X0#:$$N2_;PE[JAI*J/-4VTM{OJ79B= 6NR+?) MY=7R2_IC$<]RP>L7E^M!80@X>__+K[KQ?

FCF3W=Z7Q%T(8)S@G]#]*/V;OR1 ML5+FHA^:24P,W/3"Y.I:,E7^:,Q_@G4ID%.#SZ3;^%?!.8SC]"3^]W)+M)A>) M2.&-(D@'9?-07HVLC0PIXW2*+AC]^2^OM<6Q<F>]G

(L+)S:P9=OF7/#@OSR M=MW+_$*S0(25!L\'@)BX3X+3+!) L9>$")R*]Ks=IZV-57OU@X.LKG*I3TH]] MYN4^N'R0Q8/;'334GW^\5/16Y(_6D"47/TFGA, |*.&#BE'F)OGKL,

M!$)\)3$2;6#H)48CT]D*--GC:K^Q.(\K]#/"\$[MN]M9BWT1SYHT)R&";ZZH"-M14;[G/@)@5KMG>*E7VF7HKVJ]*4,X3IK3T0X;"\%<5^ P Y<%%6AV:GUFBBRC@$";B4)0ISTPQ&!EK

M'(J.>B>PMLP.JV>2$15M#.8 1"*!=5AZ+DEN$C;*ZL40XDS ;NQ"KEH'6AZ MGUA(P3%_6E.!H.#QDVG5HRO%T:/WZ,:XS6W

A%Q@5/%U@(WD>THN4=GGV$G#*Q&B0"@0S3"QG6)X&1>/. M^AX>.ZU87?4%_>]V>9-?./5.Q#U?]%RV;2^)PZ34B%9)IZ 1!4&">+E X*$$ M%'C@+&%-C"EMV8=__'*/WLT-\-W-

1\B#W#Y,%MY._T^T\PNM+ F"1L2)@*A5 M@1XT!GZ1<(1Z43+D#.-(&:TU"_D18O&V*AUIK2H7-C@L^PKK M%8$R'[CO?S47D4@-YXLA9EANFBPQ6W(RC%"YRLL, S!)P-

$/,:BQP+'B6,;0I)""/+W_>U)+*]?-;)T-=:/*\, M?Q^:F_D%A,B@TX-$ACL+^Y,*&6(D"DE'0[TPC):><=:6QJKR8*=`7VOAU/CT M==OFSA)\\'Z'P2;+"S!SU>5%.N" MK!-

Q_A4IM@OO$Y.1"@2:.X_2(1ZYH"D*-&EAB4Y$EKZK6).VJO)HIU8811 M++$V$,C^F(5U>5\,[W]Y^=WHZ,N2(K$:>81$YPB+B+H:TL. AX2BI.G,;%3

M(FX7H4?!3]IV^!4145VA\G:EK),FF&C&$&<"=+C$!%GJP$-5"K89/(^^=,OC M/K<#YA7]@2K*ZW@?=M<7T_NFGW967@R7+U$RZPVRY>X2>B\G4+W"X^^?,;L M^UNZP($!C-

3B#,?<11,+@K32$GF]E05P!BY+OPUI16#O5^6;JJ.[)N,0%5,K M4T)Y1@$<$FV0(RH@0;TU.$K0PZ7[4CRE8-Q;A.&P|>++1>7>^CQDLSI? HVR>

MY\#0Y>UG>QU7PU84MD0(JZ1FG- HC@$)$DC0;+9UA;BD:.)N #CS #?WK MRGVOCXN8/G\]C)U9%!BS]NOX2*3_.9Y3RN&/)2^O1&,IXKO,L,![4/C2P M'V>=0#0(%:3V(OFC/

IXS,FZ$%,'9>ZEV<+9]WS?Q'<|^(L5O(HF!SYP7&NFD^$FR&8/B*00IQ ^'EIH^_!QUO>KG2OMU;PK'N#BBM_ M3N1F^0))FUQB43(N]SW%743_7Y?-

S_^&I>\L$_5FP2AM^>"XI0D%/)>^3!Q9 M_G=4KP\&9LY9+ARBB3LPO!(,+TT*Z,,!2Q&)X?NN<@\+__'7QK$PO<75%.#= MV,,C? *?M/^:S.,T+C8CU:P63$=+D14!E)8@ 1FG!%)

<.QMS<)9N)[,)CFOF+WJ=8_EC;ZE MU>$>1Y=C/,:+(EHR(69)G049CB@<5)^N8$%]X+,)*G; >3?MC9NMSP:W4B MB:-A0-F[SP7&+$0LE:[NQKP:9KZ$: MB LB,HP,HPKTL&?(2

)D>TNQEMY3?E31PS%2'SVEUDU8S\?=@7,C"_QW4%?7?-M-]=KPH5A7,,,.$0DB=S4V$5FMP7W^/DI-=-'+DJ!<;!T3^Y*,C"[V+R)H2_!M; M\)?(!*)Y,'Y(%

2D<+V240N>85T!,I5XBJ&$F?]R4=`3(26$'QG_E7@6>9I M<4_NK=_?Z40V[0CY2*HDRR9OB8Y&. MIF[L-]%RTU8;J'L)L!.#]VBG]/A>&GR2Q^S#>6%XIR[P,A"-O<

M$6(Z9(8R"$HXR7VC#&< <X(BK(!>2?AU6%/VDJB1(JMA0+#? MCO642'T0>[J83]fA0\Y)7^$05CW1X/!?2,E%LC2AH#$#*TV\$LLHU#/4O-MF"Pl.^.HPD:*Y<: 6@')C&WZ-

N^WOC=_V7G(QR_@>8/$SL]\ZM1FU,[NQ"" M)Z84 4;9_"Q?9#,,<3*)WD)(BY72QYF^8[XVSGWFL(@9AM7UJ:HS[^#A58Z6U'^FP^SU"[.;'!TE_.XG,Q7_\TW<1;39+EX

M<_L=2/F2MGXHYRD-EE%@D(&3W"-.DD?>X.X90QC81,W1?N_C;]HFA)^W9#; MO&88573NWC2SFJ6NYPUL,S,$^/*(4IE2A,/7P'F MO/\5_4TNQ=O4X&FKA;>)H91DCG\\-]]

:J040^N.7= MER),KQ0\ZV.7O:9XU=(+2+EOH MU$6#O5"8<>-$(BPE)^(8X)TL 2Q*"'^ M03?*E4ZG_QM>%4WPK,+PC;2]L

CVS2.5VLJ.8>0F:G:*WSRTZR'@"5YB.B%N7GVY;C;1W@7@F M%*>E/?Y7.E.|E=A;S=1N(%.*>6A\)=T;]?WG7(4N*]<)PH.@5WP2#5R6#LD MN:%6":U\.35"R*]!$X7 ;^XQ.G#

[,';BS[1TIMQH8X:FAO);>9 +UM)<[@3 MD?))>T<"I3=X>&910%9RX%3-HE$HC/) M#UMW5UTU>A%!Y,F:\/Z2M_"O&UF/N:RBKQ.D[Y-%G\^)".\)Y>S29IX.UN^ MO5DLP1;,%V?>-

S>KUA"[@?_6IV@72X*;]#DN5T;)W8I#7U=)M5[M6TY 5YE> M+Z=F8*F,&5":&WW\ ?3/X3.5)WD-FJA)QAO0M91"=!!P?D3&4)0B4,TM,:+T

M&_*]!!6HVDD4_[2G87!,D9%9=YA9(AC RHA6(Q49)]0Y. /Y?O=;*-D9/59 M# M,:K;Z\KT"P_MB%W>C'%9Q-#7*)^(TLL'G%[PL($.I01'GO*!@-HKRP>). M8<3H329TB\M#]$T;CKC-

!;ONQ"]!-5F_^L#B!/Q5]:(L*&YE2 <1*V(]\X MSO']\ "PZ%TW>A60FH#4A]9/R]?Z,WX"M"SSL; /GR< ,RZ M> ,.DR%$>*)/($N(05XGDKFX:.0W.@0R!A.)AW2Y:*K-

P)3%4A/UC7@K,EQ>__MV_;S_2>UD_8T],HS]B"(A'/!"TD2&K'&(D11@$'$H9GX) 'BN/N/<466$!8D1)A2.A.AYE MFPZ@8RRX<<=\\UFG:4%QS^UGC *"3-9CC6CHV4|[DGW_2'

M^_FT#&>S<);29#]QRX?Y<8'0(D$ SIORN/LBN4[RB@M421*_+R^>0=>COWB M..[)0*@9A,T5^+DO3//#M;AFPBM++#:R<%S.I]. M%:<,]L+E%F<(.HRO$4)?XSS_P%Y&

<@$DZV#@.:!"9W_YPI41/96%W1YD?@E)7 51:BW(>+^_&C*=F?KU:K&1SUB-6+5$'TI;X0E4< MZ\]^B^#:Y)]2^TM[3IQURNL\.U1 &T<% !0>S D5#>:!N6=-:YTEF\G,2,-

M)"F!@^<*IPSC*$!=FXW(DQ[\0D& -_'Z8557$GO MBC[&0=CE9K6<.?9W+(%?Q;]N5E A+18;$*#C-L;)Z$ IZ%2/E9 M(EE= 1'X16CB=;)*Q=(E<7L)]N6E\&9>0[A8M*K

8IK.W:7/B0FXHBQ0%1Q MO[E_D?<810TI8ZI%(0OW2/B"0$C0ZV<8)]#IC.7QTZ_YY<<=OIQMHR71PC(PC&!@C+#BVWB#*&!.$QBBL..3I'?FM*@QB%RDV MP[%T.(2?

E_GO@,*+I<>]ARLD_'X_]\ K/5@(G*@-_MA':)LUO%P3$H<9SCKSB@>.HL!'F/ZH>OIXPJ;@_]\3DLW101CE+WE@4* ZY M.Z-&EB;%VZO*$]7>BP3.VG]\N,R5

M6LP2I#'QRC@5#,=_E_.WD_51Y?QM&%\>O8]'8T12QE3=AYBRNT_K+<):1C MX%([J94_P=NU5@^UA_.N7X.9[^2Y&D'XZ+%I9)9CFH?4A-Q+

(G)>/LIJND%?"%0%91"!9AJZTA\NJ^)#327OK](G,\/" 6CN;?9U_M?:?GH314Y-H).5'#;0F<5 MUU3_%IO+\N?UQ-?'?XB7\BX&+]W=][E15UD=M=_!R:Z.38%8@]WT>$\$MTM8D ME

)+.O>'"%Z1T2|CARZW7IW6QU6<&3_E3,[O\-/D90_8$-GW)A>441^619P+G MY!1P0L&9LQI+8B(7$0]75]V%XBK]Q?HA:M_P[(%%%*--?G&%*)P, ABHO 6]

M;V%3QH!]P4DG,":&25,Z95.D$. DDY6&QD?K&_\6PJH2?, ^N'5V(FA@ED;.K M=B8Y+?'%"EF(\$V9ZI*6X;7?N/?!@%M;_S;B*,">&V_>.8)\Y"X04P1EOMK

M1&0C(3FMXA6":6=V9_C3?^K6!1U(U_&\;/W&+K_]'"@WILIW=MHJ5B26B'MDD@IAT$;.5#IH+XA&I(K"]&M>NY+-&#;24 M177 GLWWEQ#$VINZ$'W5U?

PA3NP@8KSM7(<$VI;D\,E3.%A/[U?H\ MX&GM.Z74CD4'$8Q+8-95KK^*8.5]\!AK^!OV_$U'}XB\^/"(T"@CR*845|=N M^@@1[M49*%=@Q)IZ K%LGI*":.Z7P9GQR#

>$&,$M&QPBN(2INCEE\?KRU8> M%#WY.C{]WM_,FQ^;SK8)_"LGHD>$V]SU@I$\,5HC#$X6S8^4I#XJ6#] A\?? M'"=+/@P2.O.R@DAG7\&;55H+++R1B)&]%48;

MU=@3]D'1UYS_Q5UW]"=6H- MN9M.(]H1;8 *ECP<&\-\:WW\ ?3/X3.5)WD-FJA)QAO0M91"=!!P?D3&4)0B4,TM,:+T

3!620Q&F93Z5*7@T15]JNNXG]> M65!4%A6 JZ6.?]A$5Q)3G01%3N4F=-H$!/Z@0\0$ZI5EUA5_:-:5UEK*!D]N M3T\BW I O+W-3@/8++#;X(+#+S=_YSFN*=!1)N:F3;B

M>34U, ^,"Q9AR22%L^2=+5VL M5VG%CI>8!T(U8BE/;E? "4WR'5>T!(LDI"M?N_3O6+ '3!E&%*W;.B+!&A^!1 M5"G 0S>KL1'21<0],- *YE"RG!GL:-"^MEQ/K74ZK5#1(M?

31D0UHNU1(DE MA;#2)823S7X3[(V$7*?*"<^\"5>N6+K5+7TTKD+7(;?A? 90.YQ>T!QL@=M%$,A. KQ8+)Y=+-) C.A)%$Y@_%WKJ>3^%OG>MK(H@)P'2R, T<'2^(3"D*"

M/L^MNAS|#Y*$FI",=]KY&NM8:ZWE*6P?NPNK2O]*Z;S/#&60.^#'QLSLS32 M1E&$E8RYK6W2H?3,E%=>Q]H* 6WK6-N(HP)X;2^G5-A:931#FI%\STT3,MY& M%$V0@A"=

(BFMT%YC'6LK61I5QJ]&\6/7'-ZLKS/$,-&\1]YGQU1)B6SB$*CG* M)2=6&&9*%)3UJV.MM0Z@B^TK)XZQ,;6S\L8+ZSQ.!E&I.6P"4Z2U88@H#8?"' MP_[H41KIWZF.M95@CZIC.

(N("K.X[;BS_.M+P2X=8E%]$ #L13)...9<"$QP4LX3N*V:!]#'E\W/_UZO>*XH@1D*=>=H!S8%627TG0W.M/MFD"\=TO_#YK(V 9_MIYGIV$;@(^9)P$PK9+WX-I(H3Q+WNNC"B(.

MI"2V?;N6ZH?1X- 4E$T=V'K,D'4 9Y301",:9<"$QP4LX3N*V:!]#'E\W/_UZO>*XH@1D*=>=H!S8%627TG0W.M/MFD"\=TO_#YK(V 9_MIYGIV$;@(^9)P$PK9+WX-I(H3Q+WNNC"B(.

@;@706/-ATX2;*R^#"[! \[T4R_-/=$PHD&NXMD*+\)]: MO3*V?S.(#*O$Y+;;=&|)@P<$;;+ S XXY%(&B53@[\0:ELX5.%DK3X0+":;?6BN'EHW_|UO\ M<3/W5W81P?IE?G;^?

AQYN<1 OAQ=G:SO&KFD_\7 MP|EUKC>^8$Y9(05'EIC<60Z.EXU2("M<4-[[?!=W5+5^VR^/;.V[^_U)Z?Z@-M_*[N&W?W[>88()LMN^W]_!O[C9*+F12P3"A5_'P)]SH8.PJ9W@?Z/LX

^S>Y?#"52\H!?3=9 M^&FSN)V2@5F9)R(1SO,3&^&O(Q9PZ\"?2\S'9$0A[=*#W+YZ^.'3ZQ<= MN<5F4C@?DN9?89@/ /84N$=Y0'FH,;?06UMJ"SG/UVD<.%9CSK\UBLA+1

MZ@VK8IQ(#K&/=B&7Y4CD-).()B8-S?.J.>FV/(^_7PN .@CR>7ZY*UL3RD8%Q7=);D#$AW86@$HSL%'MW%00;,>]'J,+QQ0H28.8..&NG-->]_.0E<"C3<&$TNKA4[LW_X/%.

6QT)&A%4!A MF|N54ZHK?2D#U|()BD2^F,40.^:V[PHE&5F427M>_)'L/GK&A4M)_Z(8UZM"-MT";"?#SFP@8KC0XHJ4 0EZ =C3(6>0\'(T]G3:'T/=X^>FKQ4/M*?2><>HI@

M|#8TYW$Z_>/W9N;V|=G[SXT\[_L/&RVM.F>8I3%2C>D?!V%X2E&1F"&3#3 MP.2(L$>FMP]^JQ:T!!5J,QR'][(_#|>+,02<6822BQ9QK2DRS(,E)(R8CC#

MK'2F>@L9XU:4#F.ONO&X*IA\OLDP_Y(>Y9G^$;?AP@)C,/8*^>AUWA\'FL(\ M\,$D15R,/I4N;3(5"TJ]*/8=!*HA RJ M6[.\KG)DO&3MA>@FKQGTN#J2_O7^?

55XEZD+.:.,$5UDDJ1/I< M-CC+D@\Q(985$P3X'EFOLXH2,=^H)NE*)]DKNJ9*EG"=FV.ZE/N=&);0C4$@ MQ0/G@=B@>.EBFG^,:ZHVR#ET3=5&#E49RBVA+|BA$6LK$!5>0,

!L88-"2,B M&74X2IGC<;R8YKI9=8K03=)LW4ANM56(4A+,,RBPS@%'>8]03C,;0(_0B:D M(6!5&/868^D!-Z/!5=1*ZFW23&U$,':,Z2U\;[(\NYS'52_H==Y#*N6TE &! MDF:(,TZ0(2*

,ZKHJ[&A5.ZHS-+6Y&O\!4%_1-47Y6(%^B^3B#M>)B^DE]BM$'*LKT\"*PF M?'Z+RYOY[-$FG'=>IP|N]SA6Q$X 8!\!+5RA#/#!2OM)&\|E0)8$9&'H]&=Z M!)(X@1G

A6V=E2T>6+ZFH1=WT M|WY}33,,'(D$6*+DWEH:1L=(S\L[RG;O5#1 MP.@*P'(>_0U\|5UT]ZUB,'$$"X(^G!G@"&A;^(T%ERP(K\/@1)8N*7Y\1$TP MZ2+7%\WK^C"Y 11\BS^;Z<_)

{/(:.^ZO?KTGU&HD0GZ5]3BH6\LP.E$PYSW$ MCJ9TP<|>@L8U1L714XIY%2 IGX&'\/=_%PBI$TB(.E]/@',@O<5?:XU`>< M%[&XPGE)12U..XGT72\.5X>1S_9ZX_YSBBT76.0%$?

H8 LAD |V2#B43I M4#YAMYV6L1,S_62\%S(=&5YG>B[1Z%?JEJ3<>#:!HK06[*fU4.0@<[^59PV\ M7'U-ZKH38#]?FVO"P O61RZIAM>O,GOM&9(*QQ 5HU,2,11PFL+W:$:0T_(4F

M2?GBS_FWT3%N.Z.29J8WERM$RB;+1'' *A=`TOPVGVN-'%">YW003DFPJI=._MXFZG9%SUTE_"\R#3@=TU@&8RBU_2G;9<*TB/M;0"-"):C"QPDI,(-L_I,I:I

M8&P*Q5_AQI2B+K!TD>USN/1C]-C^R?YY/(2%.(L\OW/C9-&@\7$2X$HS6$@ M50(911ER(K*48I3;[*.\DV2+'R5_4,-I*<*VRL2^&7T@/8L4,(N9!^ *89"5-MV",1%,;!6DJ?

IU^/$_RH4V**B&N/[#OPKC+I?_^KV23\&'/),858RD-[&0Y(M6P4N=1#&:1$"LZ$+ .Z_4 \&NHAM#PJZ\; "1V%;Z3*5Q 1/LD:4.3)++"EFA M+#++>4RD\CS(-

!S;R4ZLG)K)F4U&*QU?!Y#OX3^#PK*^]+PRGX.98C(+/;M3R M",Z,.R@&;(E-7+GB0V%VT3)VGJ.GD'=7Q7;G^-B6)CO:N7PXAC>WCZMB'A7*.M7WA-;0@&^+..^H Y1Z

H&9(2*TZ<-BSRHXS.$1^KI0*@'T0&86U52N;#Y%<, MCW=U8;D5%$>"2!04\8 QZ,"IJ +J_B6SN?W\+?_M-. M;^*B25O9N?34*EQZEL%PNZDELAT6S\\-027HJ,!) M>;F-

N|EEGEEMJ$<AM^2>7@8#D$5E?M\>"D*2ZT*J&W M*1;%0EIJ-(HN9>|>-J,9 1SA?6X?/2FUD,0%6 M!<8M;T*=Y3H(!EO9/8"P%G;EC4&4>>>5UD@<V"_K575Q:."7U-

ET$0>+*96!HB@;$ZJF@BG302';"2!!Q$(,*\PD'|\W1^GZ4,K21_W=K\-VRL MSWH^SOM?_LK,+N.S+]@L1N^D)\A2RO,K#(*,PQS18"QG 3/O=6$,[26HEEO9 MPE]}X0*$+7-

5UCI:R(#BP1\1,-5?G?!X8QP4-_")VTI3D3JTF[6+EK&O96M MU,4J(KA* ;@^(1(&[?/UM,L->;BR#KE$&<)>IA"I<:1X;IB\WH,M"[FA*+@O$?<$YT"'"\(OU#H0?N38EBYY MW$5+?

0#]{NME ,;7]#/S<=4G/VU(&&/VU(&E)(@F\#0W#812 MY80),D:][^@<5VK$RBE*H:4\/+/E'KR\$?8!76Y@IWE"G9+(81EG%G!

M#&=T$!.WAZ9QB^-.HZ/Z";("8#V*9NY#G$_WE5[)>18\:%T5,-COE -::ROX MEPI;9Z)(I'0N82!XT*JTABPG BKPN/|7KX*O):.^007WG|,! THZ"CS199!

MQEK0X%XD$:/ET@UW^;.,KEJ2IKUAL+N"O(Q,ZL?91J_?7N#$8U"YV!4[!|}$ MQ&K,F?M.$^Y-@%,Z7.W>?MIJR:R>&&_=9#/^K)35VHOH_^NR^?G?T8>|Y<_R M(+/OD^ML%>XK[X7^#X!V>-%[_#EPP.LMG^A9=UN9^(+E=V>7P$HW!A%#&^; MZQ]QMECC?)Z3[ZN:Q3>W#__F]fU==:7*Y-W1F)N'S,)7L-6/&FB5/:.#D-CG MQOAS%Q<[:95]F-M-^9B,9_X90SW1"Z^G?^Q3=_%VE|N^],H;U5. 8E6+|\"%2O4[]!:O|=8NKL[C M?3#-TX7&%D%CQHB@FM]JX#"C4ORTH[G)Y1%1\F,SL-MS$_L|/>8Z5YM?] <>6D"CP[+'X$,_>GOTY_>((/G=SO^.RZ]QGIKV]5VZ"UC1 M!@-[5SA&|.:5B_XH+HXC98CH+NYV<[V*Y!XRKEVCSMTK%B#Q]HF/25[T.T27-M;^_O_RQ"YLM51TGH'93%!E1'<63$7-L3^N+RJ@F%Y?5LS5'28=VDM9T;EA0]3>UE$4D]7'.6VN9.78/_VFGO8_;OG5' MR9RT$MT17*GAX"W>3IM%_-[O@/KCY+L;\$C^-2M?(<2(SCI"(*.M2:\2H7VK;4N$'9? IXWAQ@P]E&:.3A_HVIJ_:?N(MBTX-MFH1V\+PYC@$5E*4\9)3V'YHN-W=/UQXW6#[J%.UE2G%AG;I>:_NNGH]M'#(W.M.3[+\ M[-OY(+_X_+U1'T: <$AY'LWYL!V:,]0"+GG=8/AK8+#S*_53_>:_97VH0W1^S.M,)_>7]I&$;^>39O=+_O+;>NJ1UEW/+[4IK&D'I&|_S7W7^<37^!\/2QUE'|.M N%#I!?D:)/(;6(#E.]M\](_N+YHM:QXEHPHNU':S8V1A/3W9M[__N5Q!Z>W5 M[/*K[Z?V#BQ]E.C&O6,[CCFUENV_GZ\2WP.5[+!Y;J9Z%^B[IY M&>>W7[+-,|T 0R? <'_6'!D=VO>KF,_VSS%L7'"U!UD8^CP_K/K:,K&1S\1SH M_AS[9!O0.1N\;,W1Y+67[\U13/B/O@<8O#LY5BA_WP#\?0/02C:?F[GGV)00 MRM.5QKLQV\?KYL#&*[(K,<^5GJR;- >>Y3Z4,S(N%1U-J73V#8]@TML]IO%RN M-]4[V_1TJ=$J&;M*:SLK1I;/AJ"9G=XN)HLR13H[%QVMJK&G[IV3/2-+[WSY MY]>Y_S+_OIB_7RPGU_;N:JE9%]!O!SL_P_|=Y2QU+UR,=\8+22R+&\B#;1L;P!UBTF<7-_M3DM3-/%KZK_;7V_B+*,)LG>Q1* 4$!8*P.GV]+006GJ.? M+WN4$*O*=1WF446W-DU<0%SX+?I/S61^KU? **.46GSE*R%6EOMKSL-8JH*_ MAZIH >KIRD>]?/<06]/SY:F__N7C4VZ9TX<\QZ_9^+O.J.5]>TI$5LV.K93NZ:V M3- +MY6KCF>U^<7QM]Q=OF_,XC;G:!]1#O:\NMJ\XGB'I)J^]?!D[3@%2PKU3 M_R6EB8=U/\S*G+7#JX^G KO)\FA^C:TS8YS_-F]N?GQ<+&X*2G3?NJ-5YW;5 MHX=Y- +9&OIRNVK7PSP;_2PVWYNEG9:X!WZ^UFCEMIW/ MW%9>C"^A,[^$2'QZ^]5.0B%!;5MRM,+.|O+:PYFQ ^4<*0*%F:I2JG'7FJ/5 MRW84W '>C.UY;C+#9S\OB^G&G8N.5^K:UB{)&&*"G$;6N/5Z=- M0)9[F%6#*KTGM;A"W;GR>!6F???J(4:-75GQ/S>3Y6WND77'2@AOKE>]0-]_ M$A 38;>EI- OR4^,5G'84=S=6CATV/E,S_URLC,BJB^A5,P4N?UN6BB3;?6]\ M6M7.N;LNK*Q,_I_C\N/,-]>%2=KY-?981^[#>.DG=-V:>6S*OND'J97L7YP.=[^S>.$G5- MB:N6S!O[5%MW, [7S3Y/%LN!5]^Y5CO)G3>FL@PP.6X O-4O?3.B.)8^J5]@I MF;6?:-.-G_C?*OIP #ZUIE"1K2F4=R:P*9HS<.^Z?FD7I"4M/USY*B+4DL/:R M9W1OYYGGW?? X;5WP*'5E(#:QY:QGSIGARKOJ)# MJUWE+QJ2ACM84H-*?XB M[3$?+W24@&K*\FQCP^A.2-.[5'*SQE'RJ"D'\VSS=91YJQ9'VWI56E.:I,(R MU6;V&S@N:\+>Q86?3U;7,(7J5 \O? Y00:TJ ',^RT>U2F&2Z()1C^O-A=Z6N MGP^M?I1D:\|%;VP6AMJ?)PM)L#6[W.[;J;Z:-3A4\[[=M?8\}YDBK3;.W4:! MOALO/O4"(\W?K^Y)Z MOV[fMM1HLMG+ [;U2]>B=V]ETND67'E'D!NGOA"F2UYS'H08;\W4Q@K#/T=V.:\ MOQL+M(NME_/I\SB_7GO)W^7GVTTZFO0MX]ZP[WKO7+@+;RYO7<,_MN[=1_);Q\.==>8*3 =>/V]7OEXM? +A\=+EPKI#J]>R8WD7KD]3>_?R;_1[UBV MT?FY6:Y)+9-&/OXKE625>\IY#_^&U^CKO\B_.+N(__M__?)02P$'"% ,4 M" #6A!Q9G4Q#]9P? "PQ0 %P @ $ ##$P-"YH=&U02P$'"% ,4 " #6A!Q9E'XU1O @ !WT@ %P M @ '1'P #$P-2YH=&U02P$'"% ,4 M " #6A!Q9+ ,,4GTY #@) (%P @ 'V0 #$P-BYH=&U02P$'"% ,4 " #6A!Q9Y#)2Q6(Z "9*P(M%P @ &H>@ #$P- RYH=&U02P$'"M% ,4 " #6A!Q9\I^Q)(4' #!) %P @ $_M0 #,Q,2YH=&U02P$'"% ,4 " #6A!Q9O'EYLX '- M)0 %P @ 'YO #,Q,BYH=&U0 M2P$'"% ,4 " #6A!Q9NJU!-+0$ %@ @ &NQ M#,R+FAT;5!+ 0(4 Q0 (-:$'%D9(,6\>4! M /L3'0 1 " 9,) !S;71C+3(P,C0P-S(X+FAT;5!+ 0(4 M Q0 (-:$'%G_M%N-O!@ -"$A 0 1 " ,:O @!S;71C M+3(P,C0P-S(X+GAS9%!+ 0(4 Q0 (-;$'%G5/#YCU2D &.V 0 5 M " -'(@!S;71C+3(P,C0P-S(X7V-A;"YX;6Q02P$'"% ,4 M" #6A!Q9)7&S>&V0 #\?P8 %0 @ &I\@(&UL4$L! A0#% @ UH0<6>I.$F'@5 $ 'TT- !4 M (!28,# '-M=&,M,C R-# W;CA?;&%B+GAM;%!+ 0(4 Q0 (M -:$'%FP299)Y. 96"@ 5 " 5S8! !S;71C+3(P,C0P A-S(X7W!R92YX;6Q02P4& T #0!L P <[D% end XML 119 smtc-20240728_htm.xml IDEA: XBRL DOCUMENT 0000088941 2024-01-292024-07-28 0000088941 2024-08-23 0000088941 2024-04-292024-07-28 0000088941 2023-05-012023-07-30 0000088941 2023-01-302023-07-30 0000088941 us-gaap:ForeignExchangeContractMember 2024-04-292024-07-28 0000088941 us-gaap:ForeignExchangeContractMember 2023-05-012023-07-30 0000088941 us-gaap:ForeignExchangeContractMember 2024-01-292024-07-28 0000088941 us-gaap:ForeignExchangeContractMember 2023-01-302023-07-30 0000088941 us-gaap:InterestRateSwapMember 2024-04-292024-07-28 0000088941 us-gaap:InterestRateSwapMember 2023-05-012023-07-30 0000088941 us-gaap:InterestRateSwapMember 2024-01-292024-07-28 0000088941 us-gaap:InterestRateSwapMember 2023-01-302023-07-30 0000088941 2024-07-28 0000088941 2024-01-28 0000088941 us-gaap:CommonStockMember 2024-04-28 0000088941 us-gaap:TreasuryStockCommonMember 2024-04-28 0000088941 us-gaap:AdditionalPaidInCapitalMember 2024-04-28 0000088941 us-gaap:RetainedEarningsMember 2024-04-28 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-04-28 0000088941 us-gaap:ParentMember 2024-04-28 0000088941 us-gaap:NoncontrollingInterestMember 2024-04-28 0000088941 2024-04-28 0000088941 us-gaap:RetainedEarningsMember 2024-04-292024-07-28 0000088941 us-gaap:ParentMember 2024-04-292024-07-28 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-04-292024-07-28 0000088941 us-gaap:CommonStockMember 2024-04-292024-07-28 0000088941 us-gaap:AdditionalPaidInCapitalMember 2024-04-292024-07-28 0000088941 us-gaap:TreasuryStockCommonMember 2024-04-292024-07-28 0000088941 us-gaap:CommonStockMember 2024-07-28 0000088941 us-gaap:TreasuryStockCommonMember 2024-07-28 0000088941 us-gaap:AdditionalPaidInCapitalMember 2024-07-28 0000088941 us-gaap:RetainedEarningsMember 2024-07-28 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-07-28 0000088941 us-gaap:ParentMember 2024-07-28 0000088941 us-gaap:NoncontrollingInterestMember 2024-07-28 0000088941 us-gaap:CommonStockMember 2024-01-28 0000088941 us-gaap:TreasuryStockCommonMember 2024-01-28 0000088941 us-gaap:AdditionalPaidInCapitalMember 2024-01-28 0000088941 us-gaap:RetainedEarningsMember 2024-01-28 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-01-28 0000088941 us-gaap:ParentMember 2024-01-28 0000088941 us-gaap:NoncontrollingInterestMember 2024-01-28 0000088941 us-gaap:RetainedEarningsMember 2024-01-292024-07-28 0000088941 us-gaap:ParentMember 2024-01-292024-07-28 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-01-292024-07-28 0000088941 us-gaap:NoncontrollingInterestMember 2024-01-292024-07-28 0000088941 us-gaap:CommonStockMember 2024-01-292024-07-28 0000088941 us-gaap:AdditionalPaidInCapitalMember 2024-01-292024-07-28 0000088941 us-gaap:TreasuryStockCommonMember 2024-01-292024-07-28 0000088941 us-gaap:CommonStockMember 2023-04-30 0000088941 us-gaap:TreasuryStockCommonMember 2023-04-30 0000088941 us-gaap:AdditionalPaidInCapitalMember 2023-04-30 0000088941 us-gaap:RetainedEarningsMember 2023-04-30 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-04-30 0000088941 us-gaap:ParentMember 2023-04-30 0000088941 us-gaap:NoncontrollingInterestMember 2023-04-30 0000088941 2023-04-30 0000088941 us-gaap:RetainedEarningsMember 2023-05-012023-07-30 0000088941 us-gaap:ParentMember 2023-05-012023-07-30 0000088941 us-gaap:NoncontrollingInterestMember 2023-05-012023-07-30 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-05-012023-07-30 0000088941 us-gaap:AdditionalPaidInCapitalMember 2023-05-012023-07-30 0000088941 us-gaap:CommonStockMember 2023-05-012023-07-30 0000088941 us-gaap:TreasuryStockCommonMember 2023-05-012023-07-30 0000088941 us-gaap:CommonStockMember 2023-07-30 0000088941 us-gaap:TreasuryStockCommonMember 2023-07-30 0000088941 us-gaap:AdditionalPaidInCapitalMember 2023-07-30 0000088941 us-gaap:RetainedEarningsMember 2023-07-30 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-07-30 0000088941 us-gaap:ParentMember 2023-07-30 0000088941 us-gaap:NoncontrollingInterestMember 2023-07-30 0000088941 2023-07-30 0000088941 us-gaap:CommonStockMember 2023-01-29 0000088941 us-gaap:TreasuryStockCommonMember 2023-01-29 0000088941 us-gaap:AdditionalPaidInCapitalMember 2023-01-29 0000088941 us-gaap:RetainedEarningsMember 2023-01-29 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-01-29 0000088941 us-gaap:ParentMember 2023-01-29 0000088941 us-gaap:NoncontrollingInterestMember 2023-01-29 0000088941 2023-01-29 0000088941 us-gaap:RetainedEarningsMember 2023-01-302023-07-30 0000088941 us-gaap:ParentMember 2023-01-302023-07-30 0000088941 us-gaap:NoncontrollingInterestMember 2023-01-302023-07-30 0000088941 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-01-302023-07-30 0000088941 us-gaap:AdditionalPaidInCapitalMember 2023-01-302023-07-30 0000088941 us-gaap:CommonStockMember 2023-01-302023-07-30 0000088941 us-gaap:TreasuryStockCommonMember 2023-01-302023-07-30 0000088941 srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersrt:SellingGeneralAndAdministrativeExpensesMember 2023-05-012023-07-30 0000088941 srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersrt:SellingGeneralAndAdministrativeExpensesMember 2023-01-302023-07-30 0000088941 srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersmtc:ResearchAndDevelopmentMember 2023-05-012023-07-30 0000088941 srt:RevisionOfPriorPeriodReclassificationAdjustmentMembersmtc:ResearchAndDevelopmentMember 2023-01-302023-07-30 0000088941 smtc:SierraWirelessMember 2023-01-122023-01-12 0000088941 smtc:SierraWirelessMember 2023-01-29 0000088941 smtc:SierraWirelessMember 2023-01-302024-01-28 0000088941 smtc:SierraWirelessMember 2024-01-28 0000088941 smtc:SierraWirelessMember 2023-01-122023-10-29 0000088941 smtc:SierraWirelessMember 2023-01-12 0000088941 smtc:SierraWirelessMember 2024-07-28 0000088941 smtc:SierraWirelessMember 2023-01-302023-10-29 0000088941 us-gaap:StockCompensationPlanMember 2024-04-292024-07-28 0000088941 us-gaap:StockCompensationPlanMember 2023-05-012023-07-30 0000088941 us-gaap:StockCompensationPlanMember 2024-01-292024-07-28 0000088941 us-gaap:StockCompensationPlanMember 2023-01-302023-07-30 0000088941 us-gaap:WarrantMember 2024-04-292024-07-28 0000088941 us-gaap:WarrantMember 2023-05-012023-07-30 0000088941 us-gaap:WarrantMember 2024-01-292024-07-28 0000088941 us-gaap:WarrantMember 2023-01-302023-07-30 0000088941 us-gaap:CostOfSalesMember 2024-04-292024-07-28 0000088941 us-gaap:CostOfSalesMember 2023-05-012023-07-30 0000088941 us-gaap:CostOfSalesMember 2024-01-292024-07-28 0000088941 us-gaap:CostOfSalesMember 2023-01-302023-07-30 0000088941 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2024-04-292024-07-28 0000088941 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2023-05-012023-07-30 0000088941 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2024-01-292024-07-28 0000088941 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2023-01-302023-07-30 0000088941 smtc:ProductDevelopmentAndEngineeringMember 2024-04-292024-07-28 0000088941 smtc:ProductDevelopmentAndEngineeringMember 2023-05-012023-07-30 0000088941 smtc:ProductDevelopmentAndEngineeringMember 2024-01-292024-07-28 0000088941 smtc:ProductDevelopmentAndEngineeringMember 2023-01-302023-07-30 0000088941 srt:MinimumMembersmtc:EmployeeStockUnitAwardsMembersmtc:SettledWithSharesMember 2024-01-292024-07-28 0000088941 srt:MaximumMembersmtc:EmployeeStockUnitAwardsMembersmtc:SettledWithSharesMember 2024-01-292024-07-28 0000088941 smtc:EmployeeStockUnitAwardsMembersmtc:SettledInCashMember 2024-01-292024-07-28 0000088941 us-gaap:RestrictedStockUnitsRSUMemberus-gaap:ShareBasedPaymentArrangementEmployeeMembersmtc:SettledWithSharesMember 2024-01-292024-07-28 0000088941 us-gaap:RestrictedStockUnitsRSUMemberus-gaap:ShareBasedPaymentArrangementEmployeeMembersmtc:SettledWithSharesMember 2024-04-292024-07-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember 2024-01-292024-07-28 0000088941 smtc:RestrictedStockUnitsRSUsCashSettlementMemberus-gaap:ShareBasedPaymentArrangementNonemployeeMember 2024-01-292024-07-28 0000088941 smtc:RestrictedStockUnitsRSUsShareSettlementMemberus-gaap:ShareBasedPaymentArrangementNonemployeeMember 2024-01-292024-07-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember 2024-07-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMemberus-gaap:AccruedLiabilitiesMember 2024-07-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMemberus-gaap:OtherNoncurrentLiabilitiesMember 2024-07-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMember 2024-01-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMemberus-gaap:AccruedLiabilitiesMember 2024-01-28 0000088941 smtc:NonEmployeeDirectorStockUnitAwardsMemberus-gaap:RestrictedStockUnitsRSUMemberus-gaap:OtherNoncurrentLiabilitiesMember 2024-01-28 0000088941 smtc:FinancialMetricBasedRestrictedStockUnitsRSUsMemberus-gaap:ShareBasedCompensationAwardTrancheOneMember 2024-01-292024-07-28 0000088941 smtc:FinancialMetricBasedRestrictedStockUnitsRSUsMemberus-gaap:ShareBasedCompensationAwardTrancheTwoMember 2024-01-292024-07-28 0000088941 smtc:FinancialMetricBasedRestrictedStockUnitsRSUsMemberus-gaap:ShareBasedCompensationAwardTrancheThreeMember 2024-01-292024-07-28 0000088941 smtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember 2024-01-292024-07-28 0000088941 srt:MaximumMembersrt:ScenarioForecastMembersmtc:FinancialMetricBasedRestrictedStockUnitsRSUsMember 2025-01-26 0000088941 smtc:MarketPerformanceSharesMember 2021-02-012022-01-30 0000088941 smtc:MarketPerformanceSharesMember 2023-01-302024-01-28 0000088941 smtc:MarketPerformanceSharesMember 2022-01-312023-01-29 0000088941 smtc:MarketPerformanceSharesMember 2024-01-292024-07-28 0000088941 smtc:MarketPerformanceSharesMemberus-gaap:ShareBasedCompensationAwardTrancheOneMember 2024-01-292024-07-28 0000088941 smtc:MarketPerformanceSharesMemberus-gaap:ShareBasedCompensationAwardTrancheTwoMember 2024-01-292024-07-28 0000088941 smtc:MarketPerformanceSharesMemberus-gaap:ShareBasedCompensationAwardTrancheThreeMember 2024-01-292024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMember 2024-01-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:InterestRateSwapMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-

gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ConvertibleDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:ForeignExchangeContractMemberus-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-07-28 0000088941 us-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:FairValueInputsLevel1Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:FairValueInputsLevel2Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 us-gaap:FairValueInputsLevel3Memberus-gaap:FairValueMeasurementsRecurringMember 2024-01-28 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2024-07-28 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2024-01-28 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-07-28 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-01-28 0000088941 us-gaap:ConvertibleDebtMember 2024-07-28 0000088941 us-gaap:ConvertibleDebtMember 2024-01-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember 2024-01-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2024-01-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember 2024-01-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember 2024-01-292024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2024-01-292024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember 2024-01-292024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:SignalIntegrityProductsGroupMember 2024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:IoTSystemMember 2024-07-28 0000088941 us-gaap:OperatingSegmentsMembersmtc:IoTConnectedServicesMember 2023-05-012023-07-30 0000088941 smtc:IoTSystemModulesMember 2023-05-012023-07-30 0000088941 smtc:IoTSystemRoutersMember 2023-05-012023-07-30 0000088941 srt:MinimumMemberus-gaap:DevelopedTechnologyRightsMember 2024-07-28 0000088941 srt:MaximumMemberus-gaap:DevelopedTechnologyRightsMember 2024-07-28 0000088941 us-gaap:DevelopedTechnologyRightsMember 2024-07-28 0000088941 srt:MinimumMemberus-gaap:CustomerRelationshipsMember 2024-07-28 0000088941 srt:MaximumMemberus-gaap:CustomerRelationshipsMember 2024-07-28 0000088941 us-gaap:CustomerRelationshipsMember 2024-07-28 0000088941 srt:MinimumMemberus-gaap:TradeNamesMember 2024-07-28 0000088941 srt:MaximumMemberus-gaap:TradeNamesMember 2024-07-28 0000088941 us-gaap:TradeNamesMember 2024-07-28 0000088941 smtc:CapitalizedDevelopmentCostsMember 2024-07-28 0000088941 us-gaap:DevelopedTechnologyRightsMember 2024-01-28 0000088941 us-gaap:CustomerRelationshipsMember 2024-01-28 0000088941 us-gaap:TradeNamesMember 2024-01-28 0000088941 us-gaap:DevelopedTechnologyRightsMember 2024-04-292024-07-28 0000088941 us-gaap:DevelopedTechnologyRightsMember 2023-05-012023-07-30 0000088941 us-gaap:DevelopedTechnologyRightsMember 2024-01-292024-07-28 0000088941 us-gaap:DevelopedTechnologyRightsMember 2023-01-302023-07-30 0000088941 us-gaap:CustomerRelationshipsMember 2024-04-292024-07-28 0000088941 us-gaap:CustomerRelationshipsMember 2023-05-012023-07-30 0000088941 us-gaap:CustomerRelationshipsMember 2024-01-292024-07-28 0000088941 us-gaap:CustomerRelationshipsMember 2023-01-302023-07-30 0000088941 us-gaap:TradeNamesMember 2024-04-292024-07-28 0000088941 us-gaap:TradeNamesMember 2023-05-012023-07-30 0000088941 us-gaap:TradeNamesMember 2024-01-292024-07-28 0000088941 us-gaap:TradeNamesMember 2023-01-302023-07-30 0000088941 smtc:CapitalizedDevelopmentCostsMember 2024-04-292024-07-28 0000088941 smtc:CapitalizedDevelopmentCostsMember 2023-05-012023-07-30 0000088941 smtc:CapitalizedDevelopmentCostsMember 2024-01-292024-07-28 0000088941 smtc:CapitalizedDevelopmentCostsMember 2023-01-302023-07-30 0000088941 smtc:CapitalizedDevelopmentCostsMember 2024-01-28 0000088941 us-gaap:SoftwareAndSoftwareDevelopmentCostsMember 2024-01-28 0000088941 us-gaap:InProcessResearchAndDevelopmentMember 2024-01-28 0000088941 us-gaap:SoftwareAndSoftwareDevelopmentCostsMember 2024-01-292024-07-28 0000088941 us-gaap:InProcessResearchAndDevelopmentMember 2024-01-292024-07-28 0000088941 us-gaap:SoftwareAndSoftwareDevelopmentCostsMember 2024-07-28 0000088941 us-gaap:InProcessResearchAndDevelopmentMember 2024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember 2024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember 2024-01-28 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2024-07-28 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2024-01-28 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-01-302023-04-30 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-04-30 0000088941 smtc:TriggeringEventTwoMember 2023-04-30 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2022-10-312023-01-29 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-01-29 0000088941 smtc:TriggeringEventTwoMember 2023-01-29 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:TriggeringEventOneMember 2024-01-292024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:TriggeringEventOneMember 2024-01-292024-07-28 0000088941 smtc:TriggeringEventTwoMember 2024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:SecuredOvernightFinancingRateSOFRMember 2024-01-292024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMember 2024-07-28 0000088941 smtc:TriggeringEventThreeMember 2024-07-28 0000088941 smtc:TriggeringEventThreeMember 2024-01-292024-07-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:TriggeringEventOneMember 2023-01-302024-01-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:TriggeringEventOneMember 2023-01-302024-01-28 0000088941 smtc:TriggeringEventTwoMember 2024-01-28 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-07-30 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-01-302024-01-28 0000088941 us-gaap:RevolvingCreditFacilityMember 2024-01-28 0000088941 smtc:TriggeringEventThreeMember 2024-01-28 0000088941 smtc:TriggeringEventThreeMember 2024-04-282024-04-28 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnJanuary122028Member 2023-01-12 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember 2023-01-12 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-01-12 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember 2019-11-07 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnNovember72024Member 2019-11-07 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMaturesOnJanuary122028Member 2019-11-07 0000088941 us-gaap:LetterOfCreditMembersmtc:CreditAgreementMember 2019-11-07 0000088941 us-gaap:BridgeLoanMembersmtc:CreditAgreementMember 2019-11-07 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-02-242023-02-24 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember 2023-02-242023-02-24 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMember 2023-06-06 0000088941 srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember 2023-06-062023-06-06 0000088941 srt:MaximumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMemberus-gaap:BaseRateMember 2023-06-062023-06-06 0000088941 srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementFinancialCovenantReliefPeriodMemberus-gaap:BaseRateMember 2023-06-062023-06-06 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-06-062023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentOneMonthInterestPeriodMember 2023-06-062023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentThreeMonthInterestPeriodMember 2023-06-062023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMembersmtc:DebtInstrumentSixMonthInterestPeriodMember 2023-06-062023-06-06 0000088941 srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-06-062023-06-06 0000088941 srt:MaximumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-06-062023-06-06 0000088941 srt:MinimumMemberus-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementFinancialCovenantReliefPeriodMembersmtc:SecuredOvernightFinancingRateSOFRMember 2023-06-062023-06-06 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMembersmtc:TriggeringEventTwoMember 2023-06-06 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMembersmtc:TriggeringEventOneMember 2023-06-06 0000088941 us-gaap:SecuredDebtMembersmtc:CreditAgreementMemberus-gaap:LineOfCreditMember 2023-06-062023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventThreeMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventFourMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventFiveMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventSixMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventSevenMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventEightMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventNineMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventTenMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventElevenMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventTwelveMember 2023-06-06 0000088941 us-gaap:RevolvingCreditFacilityMembersmtc:CreditAgreementMembersmtc:TriggeringEventThirteenMember 2023-06-06 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2022-10-12 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2022-10-21 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember 2022-10-212022-10-21 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember 2022-10-212022-10-21 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsTwoMember 2022-10-212022-10-21 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2022-10-19 0000088941 2022-10-062022-10-19 0000088941 2022-10-19 0000088941 2022-10-06 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2023-10-26 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsOneMember 2023-10-262023-10-26 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMembersmtc:DebtConversionTermsTwoMember 2023-10-262023-10-26 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-07-15 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-07-112024-07-15 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-04-292024-07-28 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2024-01-292024-07-28 0000088941 smtc:RevolvingLoansAndNonUsDollarsLcMember 2024-07-28 0000088941 us-gaap:LetterOfCreditMember 2024-01-28 0000088941 us-gaap:LetterOfCreditMember 2024-07-28 0000088941 smtc:RevolvingLoansAndNonUsDollarsLcMember 2024-01-28 0000088941 smtc:SwinglineLoansMember 2024-01-28 0000088941 smtc:SwinglineLoansMember 2024-07-28 0000088941 smtc:ConvertibleSeniorNotesDue2027Memberus-gaap:ConvertibleDebtMember 2022-10-212022-10-21 0000088941 smtc:ConvertibleSeniorNotesDue2028Memberus-gaap:ConvertibleDebtMember 2023-10-262023-10-26 0000088941 smtc:NoncurrentdeferredtaxassetMember 2024-07-28 0000088941 smtc:NoncurrentdeferredtaxassetMember 2024-01-28 0000088941 us-

gaap:OtherNoncurrentLiabilitiesMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMember 2024-01-28 0000088941 smtc:DensoCorporationMembersmtc:SierraWirelessMember 2022-06-142022-06-14 0000088941 smtc:HarmanBeckerAutomotiveSystemsGmbHMembersmtc:SierraWirelessMember 2022-03-252022-03-25 0000088941 srt:MinimumMemberus-gaap:EnvironmentalIssueMember 2024-07-28 0000088941 srt:MaximumMemberus-gaap:EnvironmentalIssueMember 2024-07-28 0000088941 us-gaap:EnvironmentalIssueMember 2024-01-292024-07-28 0000088941 us-gaap:EnvironmentalIssueMember 2024-07-28 0000088941 us-gaap:AccruedLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-07-28 0000088941 us-gaap:AccruedLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMembersmtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-01-28 0000088941 smtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-07-28 0000088941 smtc:DeferredCompensationPlanForOfficersAndExecutivesMember 2024-01-28 0000088941 us-gaap:OtherCurrentAssetsMember 2024-07-28 0000088941 us-gaap:OtherCurrentAssetsMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentAssetsMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentAssetsMember 2024-01-28 0000088941 us-gaap:OneTimeTerminationBenefitsMember 2024-01-28 0000088941 us-gaap:ContractTerminationMember 2024-01-28 0000088941 us-gaap:OneTimeTerminationBenefitsMember 2024-01-292024-07-28 0000088941 us-gaap:ContractTerminationMember 2024-01-292024-07-28 0000088941 us-gaap:OneTimeTerminationBenefitsMember 2024-07-28 0000088941 us-gaap:ContractTerminationMember 2024-07-28 0000088941 smtc:RestructuringMember 2024-04-292024-07-28 0000088941 smtc:RestructuringMember 2023-05-012023-07-30 0000088941 smtc:RestructuringMember 2024-01-292024-07-28 0000088941 smtc:RestructuringMember 2023-01-302023-07-30 0000088941 smtc:FrontekTechnologyCorporationMemberus-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-04-292024-07-28 0000088941 smtc:FrontekTechnologyCorporationMemberus-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-01-292024-07-28 0000088941 smtc:TrendTekTechnologyLtdAndAffiliatesMemberus-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-04-292024-07-28 0000088941 smtc:TrendTekTechnologyLtdAndAffiliatesMemberus-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-01-292024-07-28 0000088941 smtc:FrontekTechnologyCorporationMemberus-gaap:AccountsReceivableMemberus-gaap:CustomerConcentrationRiskMember 2024-01-292024-07-28 0000088941 smtc:FrontekTechnologyCorporationMemberus-gaap:AccountsReceivableMemberus-gaap:CustomerConcentrationRiskMember 2023-01-302024-01-28 0000088941 smtc:TrendTekTechnologyLtdAndAffiliatesMemberus-gaap:AccountsReceivableMemberus-gaap:CustomerConcentrationRiskMember 2024-01-292024-07-28 0000088941 2023-01-302024-01-28 0000088941 smtc:SignalIntegrityProductsGroupMember 2024-04-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:SignalIntegrityProductsGroupMember 2024-04-292024-07-28 0000088941 smtc:SignalIntegrityProductsGroupMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:SignalIntegrityProductsGroupMember 2023-05-012023-07-30 0000088941 smtc:SignalIntegrityProductsGroupMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:SignalIntegrityProductsGroupMember 2024-01-292024-07-28 0000088941 smtc:SignalIntegrityProductsGroupMember 2023-01-302023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:SignalIntegrityProductsGroupMember 2023-01-302023-07-30 0000088941 smtc:AdvancedProtectionAndSensingProductsGroupMember 2024-04-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2024-04-292024-07-28 0000088941 smtc:AdvancedProtectionAndSensingProductsGroupMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2023-05-012023-07-30 0000088941 smtc:AdvancedProtectionAndSensingProductsGroupMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2024-01-292024-07-28 0000088941 smtc:AdvancedProtectionAndSensingProductsGroupMember 2023-01-302023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:AdvancedProtectionAndSensingProductsGroupMember 2023-01-302023-07-30 0000088941 smtc:IoTSystemsAndConnectivityMember 2024-04-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:IoTSystemsAndConnectivityMember 2024-04-292024-07-28 0000088941 smtc:IoTSystemsAndConnectivityMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:IoTSystemsAndConnectivityMember 2023-05-012023-07-30 0000088941 smtc:IoTSystemsAndConnectivityMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:IoTSystemsAndConnectivityMember 2024-01-292024-07-28 0000088941 smtc:IoTSystemsAndConnectivityMember 2023-01-302023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMembersmtc:IoTSystemsAndConnectivityMember 2023-01-302023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-04-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:CustomerConcentrationRiskMember 2023-01-302023-07-30 0000088941 smtc:UnallocatedMember 2024-04-292024-07-28 0000088941 smtc:UnallocatedMember 2023-05-012023-07-30 0000088941 smtc:UnallocatedMember 2024-01-292024-07-28 0000088941 smtc:UnallocatedMember 2023-01-302023-07-30 0000088941 srt:AsiaPacificMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 srt:AsiaPacificMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 srt:AsiaPacificMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 srt:AsiaPacificMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 srt:NorthAmericaMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 srt:NorthAmericaMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 srt:NorthAmericaMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 srt:NorthAmericaMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 srt:EuropeMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 srt:EuropeMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 srt:EuropeMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 srt:EuropeMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 smtc:ChinaIncludingHongKongMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 smtc:ChinaIncludingHongKongMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 smtc:ChinaIncludingHongKongMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 smtc:ChinaIncludingHongKongMemberus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 country:USus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-04-292024-07-28 0000088941 country:USus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-05-012023-07-30 0000088941 country:USus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2024-01-292024-07-28 0000088941 country:USus-gaap:SalesRevenueNetMemberus-gaap:GeographicConcentrationRiskMember 2023-01-302023-07-30 0000088941 us-gaap:ProductMember 2024-04-292024-07-28 0000088941 us-gaap:ProductMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2024-04-292024-07-28 0000088941 us-gaap:ProductMember 2023-05-012023-07-30 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2023-05-012023-07-30 0000088941 us-gaap:ProductMember 2024-01-292024-07-28 0000088941 us-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2024-01-292024-07-28 0000088941 us-gaap:ProductMember 2023-01-302023-07-30 0000088941 us-gaap:ProductMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2023-01-302023-07-30 0000088941 us-gaap:ServiceMember 2024-04-292024-07-28 0000088941 us-gaap:ServiceMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2024-04-292024-07-28 0000088941 us-gaap:ServiceMember 2023-05-012023-07-30 0000088941 us-gaap:ServiceMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2023-05-012023-07-30 0000088941 us-gaap:ServiceMember 2024-01-292024-07-28 0000088941 us-gaap:ServiceMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2024-01-292024-07-28 0000088941 us-gaap:ServiceMember 2023-01-302023-07-30 0000088941 us-gaap:ServiceMemberus-gaap:SalesRevenueNetMemberus-gaap:ProductConcentrationRiskMember 2023-01-302023-07-30 0000088941 2021-03-112021-03-11 0000088941 2021-02-012021-05-02 0000088941 smtc:SellUSDBuyCADForwardContractMember 2024-07-28 0000088941 smtc:SellUSDBuyCADForwardContractMemberus-gaap:ShortMember 2024-07-28 0000088941 smtc:SellUSDBuyCADForwardContractMemberus-gaap:LongMember 2024-07-28 0000088941 smtc:SellUSDBuyCADForwardContractMember 2024-01-28 0000088941 smtc:SellUSDBuyCADForwardContractMemberus-gaap:ShortMember 2024-01-28 0000088941 smtc:SellUSDBuyCADForwardContractMemberus-gaap:LongMember 2024-01-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:ForeignExchangeContractMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:ForeignExchangeContractMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherCurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentAssetsMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentAssetsMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentAssetsMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:ForeignExchangeContractMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:ForeignExchangeContractMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:InterestRateSwapMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-07-28 0000088941 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-01-28 0000088941 us-gaap:TotalReturnSwapMember 2023-05-012023-07-30 0000088941 us-gaap:TotalReturnSwapMember 2023-01-302023-07-30 shares iso4217:USD iso4217:USD shares pure utr:D smtc:numberOfLeases smtc:segment smtc:instrument iso4217:CADfalseQ20000088941--01-262025P1YP2Y0.33330.33330.33330.02683250.049081http://fasb.org/us-gaap/2023#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2023#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2023#AccruedLiabilitiesCurrenthttp://fasb.org/us-gaap/2023#AccruedLiabilitiesCurrenthttp://fasb.org/us-gaap/2023#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2023#OtherLiabilitiesNoncurrent10-Qtrue2024-07-28false001-06395SEMTECH CORPDE95-2119684200 Flynn RoadCamarilloCA93012-8790805498-2111Common Stock par value $0.01 per shareSMTCNASDAQYesYesLarge Accelerated Filerfalsefalsefalse752273422153550002383720004214600004749110001076120001270710002118440002498090002279000105730004560000214280001098910001376440003001090001091100031198900028578000241710005180700044681000433000674000975000174300014468800001446880000101500015660000156500020390000227000110900026000016608000032539900018633300035722600042150005659200071710005417500017029500038199100019350400041140100001200500001900017029500038200300019345400041141700002.61-5.97-2.98-6.43-2.61-5.97-2.986.436528100064005000648950006396400065281000640050006489500063964000-170295000-382003000-193454000-411420000-5100096000-174000-27000-130001640009000276000-69590001376900046410001418700021960001836000439300035920001270000-66970002320000-769800017000520003400010200079400005116000263000249200017823500037688700019319100040892800001000-3000-178235000-376886000-193191000-40892500011592800012858500055800004161000152976000134322000156011000144992000153750001196900010145300011432900054174300053419700030008100028374

0.010.012500000002500000000885145757511817378136144644158618850007850001339640213720283548619000556888000836271000485452000-427244000-233790000-2730000-2993000-141437000-307434000184000-141437000-307250000136800000013737350006459426078500055265100049050700025694900052100003130980000-313098000-170295000-170295000-170295000-7940000-7940000-794000010378431100000333155000333255000333255000179930001799300017993000145482403200053840000-1352000751181738850004-5486190008362710004-427244000-2730000-1414370000-141437000644158617850005568880004854520003-233790000-2993000-307434000184000-307250000-193454000-193454000-193454000026300026300026300018400018400010378431100000333155000333255000333255000294750002947500029475000323881826900011811000-3542000-3542000751181738850004-5486190008362710004-427244000-2730000-1414370000-141437000639577487850005753170004779990008288250007360007330280001810007320900038200200038200300511600051160005116000511600011503000115030001150300011503000724642327000-3137000-810000-810000640302127850005729900004863650004468230005852000366835000180000367015000638705817850005779070004713740000858240000336000075585200018300075603500041141700041141700-3000-411420000249200024920002492000223200022323000223230001596314917000-7332000-2415000-2415000064030212785000057299000048636500044682300058520003668350001800003670150000-193454000-411420000230710004656500031890003282000110900026000002795550004758000310300054970007710004346700009340000505420000323720002180300091000170005000019000277000016700003212000033140001870100027250001103100022094000370500011179000310840003773000026660000712110003990000768000050840001019920007300042000474500020897000265000004340009300005180002920004802000250000026720001957700006000000001118700082400011671000418500024150006430000184000045500003472700035100075600012657000087598000128585000235510000115928000147912000423520004091200038090001561200026900016400000383000349000188050000Organization and Basis of Presentation Nature of Business Semtech Corporation (together with its consolidated subsidiaries, the "Company" or "Semtech") is a high-performance semiconductor, Internet of Things ("IoT") systems and cloud connectivity service provider. The end customers for the Company's silicon solutions are primarily original equipment manufacturers that produce and sell technology solutions. The Company's IoT module, router, gateway and managed connectivity solutions ship to IoT device makers and enterprises to provide IoT connectivity to end devices. The Company designs, develops, manufactures and markets a wide range of products for commercial applications, the majority of which are sold into the infrastructure, high-end consumer and industrial end markets. Basis of Presentation The Company reports results on the basis of 52 and 53-week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The second quarter of fiscal years 2025 and 2024 each consisted of 13 weeks. Principles of Consolidation The accompanying interim unaudited condensed consolidated financial statements include the accounts of the Company and its majority-owned subsidiaries and have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended January 28, 2024 ("Annual Report"). The Company's interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations," the Company's interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets," and the Company's interim unaudited condensed consolidated statements of cash flows are referred to herein as the "Statements of Cash Flows." In the opinion of the Company, these interim unaudited condensed consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position and results of operations of the Company for the interim periods presented. All intercompany balances have been eliminated. Because the interim unaudited condensed consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report. The results reported in these interim unaudited condensed consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. Reclassifications During the third quarter of fiscal year 2024, the Company reclassified restructuring costs that were included in "Selling, general and administrative" and "Product development and engineering" within "Total operating expenses, net" in the Statements of Operations to be separately presented in "Restructuring" within "Total operating expenses, net" in the Statements of Operations. This was applied retrospectively and resulted in the reclassification of $5.4 million and $5.8 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Selling, general and administrative" and $4.0 million and $5.2 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Product development and engineering" to "Restructuring" in the Statements of Operations. This reclassification did not impact the Company's gross profit, operating income, net income or earnings per share for any historical periods and also did not impact the Balance Sheets or Statements of Cash Flows. Liquidity The accompanying interim unaudited condensed consolidated financial statements have been prepared assuming that the Company will continue as a going concern, which contemplates the realization of assets and satisfaction of liabilities in the normal course of business. Management evaluated whether there are any conditions and events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements. As of July 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt). Based on the Company's current amount of debt outstanding and financial projections, management believes the Company will maintain compliance with its financial covenants in the Credit Agreement (as defined in Note 9, Long-Term Debt), and that the Company's existing cash, projected operating cash flows and available borrowing capacity under its Revolving Credit Facility (as defined in Note 9, Long-Term Debt) are adequate to meet its operating needs, liabilities and commitments over the next twelve months from the issuance of the accompanying interim unaudited condensed consolidated financial statements. Recent Accounting Pronouncements In December 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, to require public business entities to disclose sufficient information to enable users of financial statements to understand the nature and magnitude of factors contributing to the difference between the effective tax rate and the statutory tax rate. The amendments in this update provide that a business entity disclose (1) a tabular income tax rate reconciliation, using both percentages and amounts, (2) separate disclosure of any individual reconciling items that are equal to or greater than 5% of the amount computed by multiplying the income (loss) from continuing operations before income taxes by the applicable statutory income tax rate, and disaggregation of certain items that are significant and (3) amount of income taxes paid (net of refunds received) disaggregated by federal, state and foreign jurisdictions, including separate disclosure of any individual jurisdictions representing greater than 5% of total income taxes paid. The amendments are effective for the Company for fiscal years beginning after December 15, 2024. Early adoption is permitted and entities may apply the amendments prospectively or may elect retrospective application. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements. In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify the circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment, and contain other disclosure requirements. The amendments require retrospective application to all periods presented. The amendments are effective for the Company for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements. Basis of Presentation The Company reports results on the basis of 52 and 53-week periods and ends its fiscal year on the last Sunday in January. The other quarters generally end on the last Sunday of April, July and October. All quarters consist of 13 weeks except for one 14-week period in the fourth quarter of 53-week years. The second quarter of fiscal years 2025 and 2024 each consisted of 13 weeks. Principles of Consolidation The accompanying interim unaudited condensed consolidated financial statements include the accounts of the Company and its majority-owned subsidiaries and have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP") and on the same basis as the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended January 28, 2024 ("Annual Report"). The Company's interim unaudited condensed consolidated statements of operations are referred to herein as the "Statements of Operations," the Company's interim unaudited condensed consolidated balance sheets are referred to herein as the "Balance Sheets," and the Company's interim unaudited condensed consolidated statements of cash flows are referred to herein as the "Statements of Cash Flows." In the opinion of the Company, these interim unaudited condensed consolidated financial statements contain all adjustments (consisting of normal recurring adjustments) necessary to present fairly, in all material respects, the financial position and results of operations of the Company for the interim periods presented. All intercompany balances have been eliminated. Because the interim unaudited condensed consolidated financial statements do not include all of the information and notes required by GAAP for a complete set of consolidated financial statements, they should be read in conjunction with the audited consolidated financial statements and notes included in the Company's Annual Report. The results reported in these interim unaudited condensed consolidated financial statements should not be regarded as indicative of results that may be expected for any subsequent period or for the entire year. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. Reclassifications During the third quarter of fiscal year 2024, the Company

reclassified restructuring costs that were included in "Selling, general and administrative" and "Product development and engineering" within "Total operating expenses, net" in the Statements of Operations to be separately presented in "Restructuring" within "Total operating expenses, net" in the Statements of Operations. This was applied retrospectively and resulted in the reclassification of $5.4 million and $5.8 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Selling, general and administrative" and $4.0 million and $5.2 million of restructuring costs for the three and six months ended July 30, 2023, respectively, from "Product development and engineering" to "Restructuring" in the Statements of Operations. This reclassification did not impact the Company's gross profit, operating income, net income or earnings per share for any historical periods and also did not impact the Balance Sheets or Statements of Cash Flows.
5400000580000040000000.05200000 Recent Accounting Pronouncements In December 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, to require public business entities to disclose sufficient information to enable users of financial statements to understand the nature and magnitude of factors contributing to the difference between the effective tax rate and the statutory tax rate. The amendments in this update provide that a business entity disclose (1) a tabular income tax rate reconciliation, using both percentages and amounts, (2) separate disclosure of any individual reconciling items that are equal to or greater than 5% of the amount computed by multiplying the income (loss) from continuing operations before income taxes by the applicable statutory income tax rate, and disaggregation of certain items that are significant and (3) amount of income taxes paid (net of refunds received) disaggregated by federal, state and foreign jurisdictions, including separate disclosure of any individual jurisdictions representing greater than 5% of total income taxes paid. The amendments are effective for the Company for fiscal years beginning after December 15, 2024. Early adoption is permitted and entities may apply the amendments prospectively or may elect retrospective application. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements. In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify the circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment, and contain other disclosure requirements. The amendments require retrospective application to all periods presented. The amendments are effective for the Company for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this guidance on its disclosures within the consolidated financial statements. Acquisition Acquisition of Sierra Wireless, Inc. On January 12, 2023 (the "Acquisition Date"), the Company completed the acquisition of all of the issued and outstanding common shares of Sierra Wireless, Inc. ("Sierra Wireless") in an all-cash transaction representing a total purchase consideration of approximately $1.3 billion (the "Sierra Wireless Acquisition"). The results of operations of Sierra Wireless have been included in the Statements of Operations since the Acquisition Date. The transaction was accounted for as a business combination in accordance with Accounting Standards Codification ("ASC") 805, "Business Combinations." The purchase price allocation for the Sierra Wireless Acquisition was completed during the third quarter of fiscal year 2024. The fair values of acquired intangibles were determined based on estimates and assumptions that were deemed reasonable by the Company. In the fourth quarter of fiscal year 2023, a preliminary goodwill balance of $931.4 million was recognized for the excess of the consideration transferred over the net assets acquired and represented the expected revenue and cost synergies of the combined company and assembled workforce. During the first three quarters of fiscal year 2024, the Company finalized measurement period adjustments related to identifiable intangible assets, inventories, property, plant, and equipment, income and non-income based taxes, legal matters, and other assets and liabilities, which have been recorded to reflect facts and circumstances that existed as of the Acquisition Date. These adjustments increased the goodwill balance by $23.9 million to $955.3 million. In fiscal year 2024, the Company also finalized its determination of the reporting units related to the Sierra Wireless Acquisition and completed an allocation of the goodwill balance to these reporting units. The following table presents the fair values of assets and liabilities assumed on the Acquisition Date based on valuations and management's estimates: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:52.262%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.962%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amounts recognized as of Acquisition Date (as initially reported)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Measurement period adjustment</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amounts recognized as of Acquisition Date (as adjusted)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Total purchase price consideration, net of cash acquired $68,794</div></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,240,757 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,240,757 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accounts receivable, net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">92,633 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">92,633 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Inventories</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">96,339 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,899)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">94,440 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other current assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72,724 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,003 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">77,727 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Property, plant and equipment</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,086 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,628)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Intangible assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">214,780 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">214,780 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Prepaid taxes</td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,001 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,001 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Deferred tax assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,595 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">285 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,880 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other assets</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,878 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,878 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accounts payable</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50,413 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">210 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50,623 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accrued liabilities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">148,654 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,232 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">174,886 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Deferred tax liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,824 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">350 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,174 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,785 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,106)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">30,679 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Net assets acquired, excluding goodwill</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">309,360 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(23,925)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">285,435 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Goodwill</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">931,397 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">23,925 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">955,322 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 13000000000931400000239000009553000000 The following table presents the fair values of assets and liabilities assumed on the Acquisition Date based on valuations and management's estimates: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:52.262%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.962%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amounts recognized as of Acquisition Date (as initially reported)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Measurement period adjustment</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amounts recognized as of Acquisition Date (as adjusted)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Total purchase price consideration, net of cash acquired $68,794</div></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">1,240,757 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,240,757 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accounts receivable, net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">92,633 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">92,633 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Inventories</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">96,339 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,899)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">94,440 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other current assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72,724 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,003 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">77,727 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Property, plant and equipment</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,086 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,628)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Intangible assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">214,780 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">214,780 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Prepaid taxes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,001 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,001 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Deferred tax assets</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,595 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">285 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,880 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other assets</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,878 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,878 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accounts payable</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50,413 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">210 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50,623 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Accrued liabilities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">148,654 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,232 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">174,886 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Deferred tax liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,824 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">350 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,174 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="2" style="background-

color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,785 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,106)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">30,679 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Net assets acquired, excluding goodwill</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">309,360 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(23,925)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">285,435 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Goodwill</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">931,397 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">23,925 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">955,322 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 687940001240757000124075700092633000926330009633900018999009444000072724000500300077727000290860002628000026458000214780000214780000300100030010000225950002850002288000014878000148780005041300021000050623000148654000262320001748860004824000035021060003067900030936000023925000285435000931397000239250009955322000Loss per Share The computation of basic and diluted loss per share was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12,223%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.226%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net loss attributable to common stockholders</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(170,295)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(382,002)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(193,454)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(411,417)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Weighted-average shares outstanding-basic</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65,281 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,005 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,895 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,964 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Weighted-average shares outstanding-diluted</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65,281 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,005 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,895 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,964 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Loss per share:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Basic</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2.61)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5.97)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2.98)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(6.43)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Diluted</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(2.61)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(5.97)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(2.98)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(6.43)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Anti-dilutive shares not included in the above calculations:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Share-based compensation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">911 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,593 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">888 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,462 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Warrants</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total anti-dilutive shares</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,484 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,166 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,461 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,035 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Basic earnings or loss per share is computed by dividing income or loss available to common stockholders by the weighted-average number of shares of common stock outstanding during the reporting period. Diluted earnings or loss per share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options and the vesting of restricted stock units, market-condition restricted stock units and financial metric-based restricted stock units if certain conditions have been met, but excludes such incremental shares that would have an anti-dilutive effect. Due to the Company's net loss for the three and six months ended July 28, 2024, all shares underlying stock options and restricted stock units are considered anti-dilutive. Any dilutive effect of the Warrants (as defined in Note 9, Long-Term Debt) is calculated using the treasury-stock method. During the three and six months ended July 28, 2024, the Warrants were excluded from diluted shares outstanding because the exercise price exceeded the average market price of the Company's common stock for the reporting periods and due to net loss in such reporting periods. The computation of basic and diluted loss per share was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.226%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)

</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net loss attributable to common stockholders</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(170,295)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(193,454)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(411,417)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Weighted-average shares outstanding-basic</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65,281 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,005 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,895 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,964 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Weighted-average shares outstanding-diluted</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65,281 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,005 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64,895 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,964 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Loss per share:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Basic</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2.61)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5.97)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2.98)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(6.43)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Diluted</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(2.61)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(5.97)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(2.98)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(6.43)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Anti-dilutive shares not included in the above calculations:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Share-based compensation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">911 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">

</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,593 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">888 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,462 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Warrants</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,573 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total anti-dilutive shares</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,484 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,166 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,461 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,035 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> -170295000-382002000-193454000-411417000652810006400500064895000639640006528100064005000648950006396400065281000640050006489500063964000-2.61-5.97-2.98-6.43-2.61-5.97-2.98-6.43911000259300088800024620008573000857300085730008573000948400011660009461000110350000Diluted earnings or loss per share incorporates the incremental shares issuable, calculated using the treasury stock method, upon the assumed exercise of non-qualified stock options and the vesting of restricted stock units, market-condition restricted stock units and financial metric-based restricted stock units if certain conditions have been met, but excludes such incremental shares that would have an anti-dilutive effect. Due to the Company's net loss for the three and six months ended July 28, 2024, all shares underlying stock options and restricted stock units are considered anti-dilutive.Share-Based Compensation Financial Statement Effects and Presentation Pre-tax share-based compensation was included in the Statements of Operations as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of sales</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">714 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">525 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,396 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">888 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Selling, general and administrative</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,982 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,409 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">24,373 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13,911 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Product development and engineering</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,442 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,465 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,603 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,004 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total share-based compensation</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">17,138 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-

bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,399 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">32,372 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,803 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Restricted Stock Units, Employees The Company grants restricted stock units to certain employees of which a portion are expected to be settled with shares of the Company's common stock and a portion are expected to be settled in cash. The restricted stock units that are to be settled with shares are accounted for as equity. The grant date for these awards is equal to the measurement date and they are valued as of the measurement date, based on the fair value of the Company's common stock at the grant date, and recognized as share-based compensation expense over the requisite vesting period (typically between 1 and 4 years). The restricted stock units that are to be settled in cash are accounted for as liabilities and the value of the awards is re-measured at the end of each reporting period until settlement at the end of the requisite vesting period (typically 3 years). In the six months ended July 28, 2024, the Company granted to certain employees 893,114 restricted stock units that settle in shares with a weighted-average grant date fair value of $27.64. Restricted Stock Units, Non-Employee Directors The Company maintains a compensation program pursuant to which restricted stock units are granted to the Company's directors who are not employed by the Company or any of its subsidiaries. Under the Company's director compensation program, a portion of the restricted stock units granted under the program would be settled in cash and a portion would be settled in shares of the Company's common stock. Restricted stock units awarded under the program are generally scheduled to vest on the earlier of (i) one year after the grant date or (ii) the day immediately preceding the first annual meeting of the Company's stockholders following the grant. The portion of a restricted stock unit award under the program that is to be settled in cash will, subject to vesting, be settled when the director who received the award separates from service. The portion of a restricted stock unit award under the program that is to be settled in shares of stock will, subject to vesting, be settled promptly following vesting. In the six months ended July 28, 2024, the Company granted to certain non-employee directors 25,713 restricted stock units that settle in cash and 25,713 restricted stock units that settle in shares with a weighted-average grant date fair value of $31.50. The restricted stock units that are to be settled in cash are accounted for as liabilities. These awards are not typically settled until a non-employee director's separation from service. The value of both the unvested and vested but unsettled awards are re-measured at the end of each reporting period until settlement. In the six months ended July 28, 2024, $1.4 million was paid to settle the vesting of 44,018 cash-settled restricted stock unit awards upon the separation of service of a former director. As of July 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 208,392 and the liability associated with these awards was $5.9 million, of which $2.2 million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $3.7 million was included in "Other long-term liabilities" in the Balance Sheets as of July 28, 2024. As of January 28, 2024, the total number of vested, but unsettled, shares subject to cash-settled restricted stock unit awards was 230,231 and the liability associated with these awards was $4.4 million, of which $1.8 million was included in "Accrued liabilities" in the Balance Sheets relating to two previous non-employee directors currently serving short-term non-employee consultancies for the Company. The remaining $2.6 million was included in "Other long-term liabilities" in the Balance Sheets as of January 28, 2024. Financial Metric-Based Restricted Stock Units with a Market Condition The Company grants financial metric-based restricted stock units with a market condition (the "Performance Awards") to certain executives of the Company, which are settled in shares and accounted for as equity awards. The Performance Awards have both a financial metric-based performance condition and a pre-defined market condition, which together determine the number of shares that ultimately vest, in addition to the condition of continued service. The number of vested shares for each of the three tranches of the awards, which are the one, two and three-year performance periods, is determined based on the Company's attainment of pre-established revenue and non-GAAP operating income targets for the respective performance period. The vesting for tranches after the initial performance period is dependent on revenue and non-GAAP operating income for the preceding performance period. The market condition is determined based upon the Company's total stockholder return ("TSR") benchmarked against the TSR of an index over the three-year performance period. For fiscal year 2025 grants, the benchmark was against the Russell 3000 Index. The market condition functions as a catch-up provision in determining the vesting of the third tranche of the awards based on the performance over the full three-year performance period. Generally, the award recipients must be employed for the entire performance period and be an active employee at the time of vesting of the awards. The grant-date fair values of the first and second tranches of the Performance Awards are valued using the closing stock price on the grant date and the grant-date fair value of the third tranche of the Performance Awards is valued using a Monte Carlo simulation, which takes into consideration the possible outcomes pertaining to the TSR market condition. The compensation cost of the Performance Awards is recognized using the accelerated attribution method over the requisite service period based on the number of shares that are probable of attainment for each fiscal year. In the six months ended July 28, 2024, the Company granted 443,943 Performance Awards. The weighted-average grant-date fair values for each of the one, two and three-year performance periods over which the Performance Awards vest were $36.26, $36.26 and $57.08, respectively. Under the terms of these awards, assuming the highest performance level of 200% with no cancellations due to forfeitures, the maximum potential number of shares that can be earned in aggregate for the cumulative fiscal years 2025, 2026 and 2027 performance periods would be 887,886 shares. Market-Condition Restricted Stock Units, Employees In fiscal year 2022, the Company granted 54,928 restricted stock units to certain executives of the Company, which had a pre-defined market condition that determined the number of shares that would ultimately vest. These market-condition restricted stock unit awards ("Market-Condition Awards") were eligible to vest during the period that commenced on March 9, 2021 and ended on March 5, 2024 (the "Performance Period") as follows: the restricted stock units covered by the Market-Condition Awards would vest if, during any consecutive 30 trading day period that commenced and ended during the Performance Period, the average per-share closing price of the Company's common stock equaled or exceeded $95.00. The Market-Condition Awards were valued as of the grant date using a Monte Carlo simulation model and expense was recognized on a straight-line basis over the requisite service period, adjusted for any actual forfeitures. The grant-date fair value per unit of the awards granted in fiscal year 2022 was $49.55. In fiscal years 2024 and 2023, 18,309 and 14,084, respectively, of the Market-Condition Awards were forfeited due to the terminations of certain officers. In the first quarter of fiscal year 2025, the Performance Period ended and the remaining 22,535 Market-Condition Awards were canceled as the target achievement level was not met.</div><div style="margin-bottom:5pt;margin-top:5pt">Pre-tax share-based compensation was included in the Statements of Operations as follows: </div><div style="margin-bottom:5pt;margin-top:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of sales</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">714 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">525 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,396 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-

height:100%">888 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Selling, general and administrative</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,982 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,409 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">24,373 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13,911 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Product development and engineering</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,442 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,465 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,603 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,004 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total share-based compensation</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">17,138 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,399 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">32,372 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,803 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
714000525000139600088800012982000940900024373000139110003442000346500066030007004000171380001339900032372000218030000P1YP4YP3Y89311427.64P for-sale securities The following table summarizes the values of the Company's available-for-sale securities: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.473%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1

</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,009) </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,454 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,337)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"> </td></tr></table> The following table summarizes the maturities of the Company's available-for-sale securities: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"> <tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands) </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized Cost</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Within 1 year</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">After 1 year through 5 years</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total available-for-sale securities</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> The Company's available-for-sale securities consist of investments in convertible debt instruments issued by privately-held companies and are recorded at fair value. See Note 6, Fair Value Measurements, for further discussion of the valuation of the available-for-sale securities. The available-for-sale securities with maturities within one year are included in "Other current assets". Unrealized gains or losses, net of tax, are recorded in "Accumulated other comprehensive loss, net" in the Balance Sheets, and realized gains or losses, as well as current expected credit loss reserves were recorded in "Non-operating expense, net" in the Statements of Operations. The following table summarizes the values of the Company's available-for-sale securities: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.473%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.702%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized
Cost</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized Loss</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized
Cost</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized Loss</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Convertible debt investments</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,009)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid

#000000;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,454 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,337)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total available-for-sale securities</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,009)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,454 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(2,337)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1229400014303000-20090001211700014454000-23370001229400014303000-20090001211700014454000-2337000 The following table summarizes the maturities of the Company's available-for-sale securities: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized Cost</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Within 1 year</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">After 1 year through 5 years</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total available-for-sale securities</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,303 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 1229400014303000001229400014303000Fair Value Measurements The following fair value hierarchy is applied for disclosure of the inputs used to measure fair value and prioritizes the inputs into three levels as follows: Level 1—Quoted prices in active markets for identical assets or liabilities. Level 2—Observable inputs other than Level 1 prices, such as quoted prices for similar assets and liabilities in active markets or other inputs that are observable for the assets or liabilities, either directly or indirectly. Level 3—Unobservable inputs based on the Company's own assumptions, requiring significant management judgment or estimation. Instruments Measured at Fair Value on a Recurring Basis The fair values of financial assets and liabilities measured and recorded at fair value on a recurring basis were presented in the Balance Sheets as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:29.353%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.959%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-

weight:400;line-height:100%"> </td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 1)</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 2)</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 3)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 1)</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 2)</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(Level 3)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Financial assets:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Interest rate swap agreement</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,321 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,321 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Convertible debt investments</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Foreign currency forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total financial assets</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,930 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,607 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,490 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt">

size:10pt;font-weight:400;line-height:100%">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">80 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> During the six months ended July 28, 2024, the Company had no transfers of financial assets or liabilities between Level 1, Level 2 or Level 3. As of July 28, 2024 and January 28, 2024, the Company had not elected the fair value option for any financial assets and liabilities for which such an election would have been permitted. The convertible debt investments are valued utilizing a combination of estimates that are based on the estimated discounted cash flows associated with the debt and the fair value of the equity into which the debt may be converted, all of which are Level 3 inputs. The following table presents a reconciliation of the changes in convertible debt investments in the six months ended July 28, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sales</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(222) </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Interest accrued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">399 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The interest rate swap agreements are measured at fair value using readily available interest rate curves (Level 2 inputs). The fair value of each agreement is determined by comparing, for each settlement, the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" and "Other assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" and "Other long-term liabilities" in the Balance Sheets. The foreign currency forward contracts are measured at fair value using readily available foreign currency forward and interest rate curves (Level 2 inputs). The fair value of each contract is determined by comparing the contract rate to the forward rate and discounting to the present value. Contracts in a gain position are recorded in "Other current assets" in the Balance Sheets and the value of contracts in a loss position are recorded in "Accrued liabilities" in the Balance Sheets. See Note 17, Derivatives and Hedging Activities, for further discussion of the Company's derivative instruments. Instruments Not Recorded at Fair Value Some of the Company's financial instruments are not measured at fair value, but are recorded at amounts that approximate fair value due to their liquid or short-term nature. Such financial assets and financial liabilities include: cash and cash equivalents including money market deposits, net receivables, certain other assets, accounts payable, accrued expenses, accrued personnel costs, and other current liabilities. The Company's revolving loans and Term Loans (as defined in Note 9, Long-Term Debt) are recorded at cost, which approximates fair value as the debt instruments bear interest at a floating rate. The 2027 Notes and 2028 Notes (as defined in Note 9, Long-Term Debt) are carried at face value less unamortized debt issuance costs, with interest expense reflecting the cash coupon plus the amortization of the capitalized issuance costs. The estimated fair values are determined based on the actual bid prices of the 2027 Notes and 2028 Notes as of the last business day of the period. The following table displays the carrying values and fair values of the 2027 Notes and 2028 Notes: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:40.420%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.874%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value Hierarchy</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> 1.625% convertible senior notes due 2027, net (1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:top"><span style="color:#000000;font-family:'Times

New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">Level 2</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">311,768 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">357,696 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">310,563 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">262,571 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> 4.00% convertible senior notes due 2028, net (2) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:top">Level 2</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">60,139 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">98,212 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">241,829 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">313,299 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total long-term debt, net of debt issuance costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">371,907 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">455,908 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">552,392 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">575,870 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) The 1.625% convertible senior notes due 2027, net, are reflected net of $7.7 million and $8.9 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively. (2) The 4.00% convertible senior notes due 2028, net, are reflected net of $1.8 million and $8.2 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively. Assets and Liabilities Recorded at Fair Value on a Non-Recurring Basis The Company reduces the carrying amounts of its intangible assets, long-lived assets and non-marketable equity securities to fair value when it determines they are impaired. Investment Impairments and Credit Loss Reserves The total credit loss reserve for the Company's held-to-maturity debt securities and available-for-sale debt securities remained flat at $4.5 million as of July 28, 2024 and January 28, 2024. In the six months ended July 28, 2024, the Company recorded an other-than-temporary impairment of $1.1 million on one of its non-marketable equity investments. Credit loss reserves related to the Company's available-for-sale debt securities and held-to-maturity debt securities with maturities within one year are included in "Other current assets" in the Balance Sheets. The fair values of financial assets and liabilities measured and recorded at fair value on a recurring basis were presented in the Balance Sheets as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:29.353%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.952%"></td><td style="width:0.1

style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Interest rate swap agreement</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,321 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">7,321 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Convertible debt investments</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:top">Foreign currency forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">169 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">169 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total financial assets</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,930 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,636 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,607 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,490 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt">

style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
7636000076360000732100007321000012294000001211700000012117000000169000019930000076360001229400001960700007490000121170000000
style="margin-bottom:5pt;margin-top:5pt">The following table presents a reconciliation of the changes in convertible debt investments in the six months ended July 28, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">12,117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sales</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(222)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Interest accrued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">399 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">12,294 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 12117000022200039900012294000 The following table displays the carrying values and fair values of the 2027 Notes and 2028 Notes: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:40.420%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:9.864%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:9.874%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value Hierarchy</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> 1.625% convertible senior notes due 2027, net (1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:top">Level 2</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">311,768 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">357,696 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">310,563 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">262,571 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> 4.00% convertible senior notes due 2028, net (2) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:top">Level 2</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">60,139 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">98,212 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">241,829 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">313,299 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total long-term debt, net of debt issuance costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">371,907 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">455,908 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">552,392 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3"

style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">575,870 </td><td style="background-color:#ccceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) The 1.625% convertible senior notes due 2027, net, are reflected net of $7.7 million and $8.9 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively. (2) The 4.00% convertible senior notes due 2028, net, are reflected net of $1.8 million and $8.2 million of unamortized debt issuance costs as of July 28, 2024 and January 28, 2024, respectively.
0.016253117680003576960003105630002625710000.040060139000982120002418290003132990003719070004559080005523920005758700000.016257700000890000
style="margin-bottom:5pt;margin-top:5pt">Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value and consisted of the following: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td
style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Raw materials and electronic components</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">48,797
</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3"
style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td
style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">46,425 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Work in progress</td><td colspan="2"
style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">83,396 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69,404 </td><td
style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Finished goods</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23,818 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,163 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total inventories</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">156,011 </td><td
style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">144,992 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> <div
style="margin-bottom:5pt;margin-top:5pt">Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value and consisted of the following: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td
style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Raw materials and electronic components</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">48,797
</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3"
style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td
style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">46,425 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Work in progress</td><td colspan="2"
style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">83,396 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69,404 </td><td
style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Finished goods</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23,818 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,163 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total inventories</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">156,011 </td><td
style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">144,992 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Inventories, consisting of material, material overhead, labor, and manufacturing overhead, are stated at the lower of cost (first-in, first-out) or net realizable value4879700046425000833960006940400023818000291630001560110001449920000Goodwill and Intangible Assets Goodwill
The carrying amounts of goodwill by applicable operating segment were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td
style="width:37.992%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.687%"></td><td style="width:0.1%"></td><td
style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.687%"></td><td
style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td
style="width:13.687%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td colspan="3"
style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td
colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td>
<td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:13.692%"></td><td

style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Signal Integrity</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Analog Mixed Signal and Wireless </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none

style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.426%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.426%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.426%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.432%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except estimated useful life)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Estimated
Useful Life</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Carrying
Amount</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated Impairment</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net Carrying
Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Core technologies</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-8 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">154,797 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(39,525)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(91,792)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,480 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Customer relationships</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-10 years </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52,117 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(13,476)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(34,777)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,864 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Trade name</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 2-10 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,058)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,816)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,126 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Capitalized development costs</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 3 years </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">295 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(49)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">246 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total finite-lived intangible assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,209 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">56,108)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(131,385)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">28,716 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except estimated useful life)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Estimated
Useful Life</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Carrying
Amount</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:8pt;font-weight:400;line-height:100%">Accumulated Impairment</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net Carrying
Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Core technologies</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-8 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">154,985 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(35,130)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(91,792)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,063 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Customer relationships</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-10 years </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52,272 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(13,391)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(34,777)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Trade name</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 2-10 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,700)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,816)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,484 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total finite-lived intangible assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,257 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(51,221)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(131,385)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,651 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Amortization expense of finite-lived intangible assets was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-

align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Core technologies</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,279 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">10,573 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,560 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,428 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Customer relationships</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">114 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,080 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">228 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,170 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Trade name</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">168 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">791 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">361 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,583 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Capitalized development costs</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total amortization expense</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,610 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15,444 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,198 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">31,181 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Amortization expense of finite-lived intangible assets related to core technologies was recorded in "Amortization of acquired technology" within "Total cost of sales" in the Statements of Operations and amortization expense of finite-lived intangible assets related to customer relationships and trade name was recorded in "Intangible amortization" within "Total operating expenses, net" in the Statements of Operations. Amortization expense of finite-lived intangible assets related to capitalized development costs was recorded in "Cost of sales" in the Statements of Operations. Future amortization expense of finite-lived intangible assets is expected as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:29.455%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.209%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Core Technologies</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Trade Name</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Capitalized Development Costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2025 (remaining six months)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4,542 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">228 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td></tr>

style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,885 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,598 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">98 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,286 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">2027</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,707 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,396 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2028</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,550 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,140 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">2029</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,083 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">382 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,598 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,883 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">528 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,411 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total expected amortization expense</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,480 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,864 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,126 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">246 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,716 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Also in "Other intangible assets, net" in the Balance Sheets, are finite-lived intangible assets to be amortized upon placement in service. The following table sets forth the Company's finite-lived intangible assets not yet placed in service: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:52.701%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.666%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.666%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.669%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Capitalized Development Costs

</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Software Licenses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">915 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,915 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Additions</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">468 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,550 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Placed in service</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(295)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(295)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,173 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,465 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,638 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The carrying amounts of goodwill by applicable operating segment were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:37.992%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.687%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.687%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.687%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none

</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(123)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(123)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">267,205 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">83,101 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">190,798 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none

size:10pt;font-weight:400;line-height:100%">3 years </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">295 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(49)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">246 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total finite-lived intangible assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,209 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(56,108)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(131,385)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">28,716 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except estimated useful life)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Estimated
Useful Life</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Carrying
Amount</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated Impairment</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net Carrying
Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Core technologies</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-8 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">154,985 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(35,130)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(91,792)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,063 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Customer relationships</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1-10 years </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52,272 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(13,391)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(34,777)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Trade name</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 2-10 years </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,700)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,816)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,484 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Total finite-lived intangible assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">216,257 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(51,221)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(131,385)</td><td

style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,651 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
P1YP8Y154797000395250009179200023480000P1YP10Y52117000134760003477700038640000P2YP10Y900000030580004816000112600OP3Y29500049000024600021620
style="margin-bottom:5pt;margin-top:9pt">Amortization expense of finite-lived intangible assets was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Core technologies</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,279 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">10,573 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,560 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,428 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Customer relationships</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">114 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,080 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">228 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,170 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Trade name</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">168 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">791 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">361 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,583 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Capitalized development costs</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total amortization expense</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,610 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15,444 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$

</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,198 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">31,181 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
22790001057300045600002142800011400040800002280008170000168000791000361000158300049000049000026100001544400051980003118100 0 Future amortization expense of finite-lived intangible assets is expected as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:29.455%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.209%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Core Technologies</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Trade Name</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Capitalized Development Costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2025 (remaining six months)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4,542 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">228 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,885 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,598 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">98 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,286 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2027</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,707 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,396 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2028</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,550 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">457 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,140 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2029</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,083 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">382 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">133 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,598 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,883 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">528 </td><td

style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,411 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total expected amortization expense</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,480 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,864 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,126 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">246 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,716 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
4542000228000660004900048850008598000457000133000980009286000370700045700013300099000439600035500004570001330000414000030830003820001330000414000030830003820001330000414000030830003820

#000000;padding:2px 0;text-align:right;vertical-align:bottom">215,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Term loans</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">622,625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">622,625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1.625% convertible senior notes due 2027 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">319,500 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">319,500 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 4.00% convertible senior notes due 2028 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61,950 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250,000 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total debt</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,219,075 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,407,125 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Debt issuance costs</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26,210)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(36,086)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total long-term debt, net of debt issuance costs</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,192,865 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,371,039 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Weighted-average effective interest rate(1) </td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.15 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.86 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td></tr></table> (1) The revolving loans and Term Loans (as defined below) bear interest at variable rates based on Adjusted Term SOFR or a Base Rate (as defined in the Credit Agreement), at the Company's option, plus an applicable margin that varies based on the Company's consolidated leverage ratio. In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.58%, plus a variable margin and spread based on the Company's consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.44%, plus a variable margin and spread based on the Company's consolidated leverage ratio. As of July 28, 2024, the effective interest rate was a weighted-average rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.86% (total floating rate of 9.21%), (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.85% (total floating rate of 9.20%), (e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. As of January 28, 2024, the effective interest rate was a weighted average-rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.86% (total floating rate of 9.20%) (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.85% (total floating rate of 9.19%),(e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. Credit Agreement On November 7, 2019, we, with certain of our domestic subsidiaries as guarantors, entered into a credit agreement with the lenders party thereto and HSBC Bank USA, National Association ("HSBC Bank"), as administrative agent, swing line lender and letter of credit issuer. On September 26, 2022 (the "Third Restatement Effective Date"), the Company entered into a third amended and restated credit agreement (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") with the lenders party thereto, HSBC Bank, as resigning administrative agent, and JPMorgan Chase Bank, N.A. ("JPM"), as successor administrative agent, swing line lender and letter of credit issuer. The restated Credit Agreement, which was entered into substantially concurrently with the completion of the Sierra Wireless Acquisition on January 12, 2023 was entered into to, among other things, (i) extend the maturity date of $405.0 million of the $600.0 million in aggregate principal amount of revolving commitments thereunder from November 7, 2024 to January 12, 2028, (ii) provide for incurrence by the Company on January 12, 2023 of term loans (the "Term Loans") in an aggregate principal amount of $895.0 million, which was used to fund a portion of the cash consideration for the Sierra Wireless Acquisition, (iii) provide for JPM to succeed HSBC Bank as administrative agent and collateral agent under the Credit Agreement on January 12, 2023, (iv) modify the maximum consolidated leverage covenant as set forth in the Credit Agreement, (v) replace LIBOR with adjusted term SOFR and (vi) make certain other changes as set forth in the restated Credit Agreement, including changes consequential to the incorporation of the Term Loan Facility. After effectiveness of the Third Amendment (as defined and described below), the borrowing capacity on the revolving credit facility under the Credit Agreement (the "Revolving Credit Facility") is $500.0 million, of which $162.5 million is scheduled to mature on November 7, 2024 and $337.5 million is scheduled to mature on January 12, 2028, and the Term Loans are scheduled to mature on January 12, 2028 (subject to, in certain circumstances, an earlier springing maturity). As of July 28, 2024, the Company had $622.6 million outstanding under the Term Loans and $215.0 million outstanding under the Revolving Credit Facility, which had available undrawn borrowing capacity of $282.2 million, subject to net leverage limitations and customary conditions precedent, including the accuracy of representations and warranties and the absence of defaults. Up to $40.0 million of the Revolving Credit Facility may be used to obtain letters of credit, up to $25.0 million of the Revolving Credit Facility may be used to obtain swing line loans, and up to $75.0 million of the Revolving Credit Facility may be used to obtain revolving loans and letters of credit in certain currencies other than U.S. Dollars ("Alternative Currencies"). The proceeds of the Revolving Credit Facility may be used by the Company for capital expenditures, permitted acquisitions, permitted dividends, working capital and general corporate purposes. On February 24, 2023, the Company entered into the first amendment (the "First Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth therein, (iii) provide that, during the period that financial covenant relief pursuant to the First Amendment is in effect, the interest rate margin for (1) Term SOFR loans is deemed to be 2.50% and (2) Base Rate (as defined in the Credit Agreement) loans is deemed to be 1.50% per annum and (iv) make certain other changes as set forth therein. On June 6, 2023, the Company entered into the second amendment (the "Second Amendment") to the Credit Agreement, in order to, among other things, (i) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth therein and described below, (ii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth

therein and described below, (iii) modify the pricing grid applicable to loans under the Credit Agreement during the covenant relief period as set forth therein and described below, (iv) impose a minimum liquidity covenant for certain periods during the covenant relief period as set forth therein and described below, (v) increase the annual amortization in respect of the term loans thereunder to 7.5% per annum for certain periods as set forth therein, (vi) impose an "anti-cash hoarding" condition to the borrowing of revolving loans as set forth therein, (vii) provide that the maturity date for the Term Loans and revolving loans shall be the day that is 91 days prior to the stated maturity date of the 2027 Notes and the 2028 Notes if such notes have not otherwise been refinanced or extended to at least 91 days after the stated maturity date of the Term Loans and revolving loans, the aggregate principal amount of non-extended outstanding 2027 Notes and 2028 Notes and certain replacement debt exceeds $50 million and a minimum liquidity condition is not satisfied, (viii) provide for the reduction of the aggregate revolving commitments thereunder by $100 million, (ix) require that the Company appoint a financial advisor and (x) make certain other modifications to the mandatory prepayments (including the imposition of an excess cash flow mandatory prepayment), collateral provisions and covenants (including additional limitations on debt, liens, investments and restricted payments such as dividends) as set forth therein. On October 19, 2023, the Company entered into the third amendment (the "Third Amendment") to the Credit Agreement, in order to, among other things, (i) extend the financial covenant relief period by one year to April 30, 2026, (ii) increase the maximum consolidated leverage ratio covenant for certain test periods as set forth in the Third Amendment, (iii) reduce the minimum consolidated interest coverage ratio covenant for certain test periods as set forth in the Third Amendment and (iv) make certain other changes as set forth therein. These amendments had the effect of extending and temporarily expanding financial covenant relief under the Credit Agreement previously provided for in the First Amendment and Second Amendment. Effective June 6, 2023, in connection with the Second Amendment, interest on loans made under the Credit Agreement in U.S. Dollars accrues, at the Company's option, at a rate per annum equal to (1) (x) the Base Rate (as defined in the Credit Agreement) plus (y) a margin ranging from 0.25% to 2.75% depending upon the Company's consolidated leverage ratio (except that, during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), the margin will not be less than 2.25% per annum) or (2) (x) Term SOFR Rate (as defined in the Credit Agreement) plus (y) a credit spread adjustment of (i) for term loans, 0.10% and (ii) for revolving credit borrowings, 0.11%, 0.26% or 0.43% for one, three and six month interest periods, respectively, plus (z) a margin ranging from 1.25% to 3.75% depending upon the Company's consolidated leverage ratio (except that, during the period that financial covenant relief pursuant to the Third Amendment is in effect, the margin will not be less than 3.25% per annum) (such margin, the "Applicable Margin"). Interest on loans made under the Revolving Credit Facility in Alternative Currencies accrues at a rate per annum equal to a customary benchmark rate (including, in certain cases, credit spread adjustments) plus the Applicable Margin. All of the Company's obligations under the Credit Agreement are unconditionally guaranteed by all of the Company's direct and indirect domestic subsidiaries, other than certain excluded subsidiaries, including, but not limited to, any domestic subsidiary the primary assets of which consist of equity or debt of non-U.S. subsidiaries, certain immaterial non-wholly-owned domestic subsidiaries and subsidiaries that are prohibited from providing a guarantee under applicable law or that would require governmental approval to provide such guarantee. The Company and the guarantors have also pledged substantially all of their assets to secure their obligations under the Credit Agreement. No amortization is required with respect to the revolving loans. Effective June 6, 2023, in connection with the Second Amendment, the Term Loans amortize (x) during the period that financial covenant relief is in effect (including during the extended covenant relief period provided pursuant to the Third Amendment), in equal quarterly installments of 1.875% of the aggregate principal amount outstanding on the Third Restatement Effective Date, and (y) otherwise, in equal quarterly installments of 1.25% of the aggregate principal amount outstanding on the Third Restatement Effective Date, with the balance due at maturity. The Company may voluntarily prepay borrowings at any time and from time to time, without premium or penalty, other than customary "breakage costs" in certain circumstances. In the third quarter of fiscal year 2024, the Company made a $250 million prepayment on the Term Loans in connection with the Third Amendment, after which there is no scheduled amortization remaining on the Term Loans. The Credit Agreement contains customary representation and warranties, and affirmative and negative covenants, including limitations on the Company's ability to, among other things, incur indebtedness, create liens on assets, engage in certain fundamental corporate changes, make investments, repurchase stock, pay dividends or make similar distributions, engage in certain affiliate transactions, or enter into agreements that restrict the Company's ability to create liens, pay dividends or make loan repayments. In addition, the Company must comply with financial covenants which, after effectiveness of the Third Amendment are as follows (in each case, during the covenant relief period): • maintaining a maximum consolidated leverage ratio, determined as of the last day of each fiscal quarter, of (i) 8.17 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 10.27 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 10.21 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 9.93 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 8.42 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 7.68 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii)) 6.75 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 6.28 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 5.81 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 5.30 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.75 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter, subject to increase to 4.25 to 1.00 for the four full consecutive fiscal quarters ending on or after the date of consummation of a permitted acquisition that constitutes a "Material Acquisition" under the Credit Agreement, subject to the satisfaction of certain conditions; • maintaining a minimum consolidated interest expense coverage ratio, determined as of the last day of each fiscal quarter, of (i) 1.66 to 1.00 for the fiscal quarter ending on or around October 31, 2023, (ii) 1.40 to 1.00 for the fiscal quarter ending on or around January 31, 2024, (iii) 1.37 to 1.00 for the fiscal quarter ending on or around April 30, 2024, (iv) 1.41 to 1.00 for the fiscal quarter ending on or around July 31, 2024, (v) 1.73 to 1.00 for the fiscal quarter ending on or around October 31, 2024, (vi) 1.90 to 1.00 for the fiscal quarter ending on or around January 31, 2025, (vii) 2.14 to 1.00 for the fiscal quarter ending on or around April 30, 2025, (viii) 2.37 to 1.00 for the fiscal quarter ending on or around July 31, 2025, (ix) 2.68 to 1.00 for the fiscal quarter ending on or around October 31, 2025, (x) 3.01 to 1.00 for the fiscal quarter ending on or around January 31, 2026, and (xi) 3.50 to 1.00 for the fiscal quarter ending on or around April 30, 2026 and each fiscal quarter thereafter; and • until January 31, 2025, maintaining a minimum consolidated liquidity (as further defined in the Credit Agreement but excluding revolving credit commitments scheduled to expire in 2024) of $150 million as of the last day of each monthly accounting period of the Company. Upon the termination of the covenant relief period under the Third Amendment, the ratio levels set forth above with respect to the leverage and interest expense coverage financial covenants are subject to step-up as set forth in the Credit Agreement, and the liquidity covenant shall no longer apply. Compliance with the leverage and interest expense coverage financial covenants is measured quarterly based upon the Company's performance over the most recent four quarters, and compliance with the liquidity covenant is measured as of the last day of each monthly accounting period. As of July 28, 2024, the Company was in compliance with the financial covenants in the Credit Agreement. See "Liquidity" in Note 1, Organization and Basis of Presentation, for additional information about compliance with the financial covenants. The Credit Agreement also contains customary provisions pertaining to events of default. If any event of default occurs, the obligations under the Credit Agreement may be declared due and payable, terminated upon written notice to us and existing letters of credit may be required to be cash collateralized. Convertible Senior Notes Due 2027 On October 12, 2022 and October 21, 2022, the Company issued and sold $300.0 million and $19.5 million, respectively, in aggregate principal amount of 1.625% Convertible Senior Notes due 2027 (the "2027 Notes") in a private placement. The 2027 Notes were issued pursuant to an indenture, dated October 12, 2022, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2027 Indenture"). The 2027 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Company's current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2027 Notes bear interest at a rate of 1.625% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2023. The 2027 Notes will mature on November 1, 2027, unless earlier converted, redeemed or repurchased. The initial conversion rate of the 2027 Notes is 26.8325 shares of the Company's common stock per $1,000 principal amount of 2027 Notes (which is equivalent to an initial conversion price of approximately $37.27 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2027 Indenture but will not be adjusted for accrued and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2027 Indenture) or if the Company delivers a Notice of Sale Price Redemption (as defined in the 2027 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2027 Indenture for a holder who elects to convert its 2027 Notes in connection with such Make-Whole Fundamental Change or to convert its 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption in connection with such Notice of Sale Price Redemption, as the case may be. Prior to the close of business on the business day immediately preceding July 1, 2027, the 2027 Notes are convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ending on January 29, 2023 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2027 Indenture), as determined following a request by a holder of the 2027 Notes in accordance with the procedures described in the 2027 Indenture, per $1,000 principal amount of the 2027 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2027 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2027 Notes called (or deemed called as provided in the 2027 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2027 Indenture. As of July 28, 2024, none of the conditions allowing holders of the 2027 Notes to convert had been met. On or after July 1, 2027 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2027 Notes, holders of the 2027 Notes may convert all or a portion of their 2027 Notes, regardless of the foregoing conditions. Upon conversion, the 2027 Notes will be settled in cash up to the aggregate principal amount of the 2027 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Company's option, in respect of the remainder, if any, of the Company's conversion obligation in excess of the aggregate principal amount of the 2027 Notes being converted. The Company may not redeem the 2027 Notes prior to November 5, 2025. The Company may redeem for cash all or any portion of the 2027 Notes (subject to the limitation described below), at the Company's option, on or after November 5, 2025 and before the 61st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Company's common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2027 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2027 Notes, at least $75.0 million aggregate principal amount of the 2027 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2027 Notes. Upon the occurrence of

a Fundamental Change (as defined in the 2027 Indenture) prior to the maturity date of the 2027 Notes, holders of the 2027 Notes may require the Company to repurchase all or a portion of the 2027 Notes for cash at a price equal to 100% of the principal amount of the 2027 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2027 Indenture). Convertible Note Hedge Transactions On October 6, 2022 and October 19, 2022, the Company entered into privately negotiated convertible note hedge transactions (the "Convertible Note Hedge Transactions") with an affiliate of one of the initial purchasers of the 2027 Notes and another financial institution (collectively, the "Counterparties") whereby the Company has the option to purchase the same number of shares of the Company's common stock initially underlying the 2027 Notes in the aggregate for approximately $37.27 per share, which is subject to anti-dilution adjustments substantially similar to those in the 2027 Notes. The Convertible Note Hedge Transactions will expire upon the maturity of the 2027 Notes, if not earlier exercised. The Convertible Note Hedge Transactions are expected to reduce the potential dilution to the common stock upon the conversion of the 2027 Notes and/or offset any cash payments the Company is required to make in excess of the principal amount of converted 2027 Notes, as the case may be, in the event that the market price per share of common stock, as measured under the terms of the Convertible Note Hedge Transactions, is greater than the strike price of the Convertible Note Hedge Transactions, which initially corresponds to the initial conversion price of the 2027 Notes, or approximately $37.27 per share of the common stock. The Convertible Note Hedge Transactions are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Convertible Note Hedge Transactions. The Company used approximately $72.6 million of the net proceeds from the offering of the 2027 Notes to pay the cost of the Convertible Note Hedge Transactions. The Convertible Note Hedge Transactions are recorded in additional paid- in capital in the Balance Sheets as they do not require classification outside of equity pursuant to Accounting Standards Codification ("ASC") 480 and qualify for equity classification pursuant to ASC 815. Warrant Transactions On October 6, 2022 and on October 19, 2022, the Company separately entered into privately negotiated warrant transactions (the "Warrants") with the Counterparties whereby the holders of the Warrants have the option to acquire, collectively, subject to anti-dilution adjustments, approximately 8.6 million shares of the Company's common stock at an initial strike price of approximately $51.15 per share. The Warrants were sold in private placements to the Counterparties pursuant to an exemption from the registration requirements of the Securities Act of 1933, as amended (the "Securities Act"), afforded by Section 4(a)(2) of the Securities Act. If the market price per share of the common stock, as measured under the terms of the Warrants, exceeds the strike price of the Warrants, the Warrants could have a dilutive effect on the common stock, unless the Company elects, subject to certain conditions, to settle the Warrants in cash. The Warrants will expire over a period beginning in February 2028. The Warrants are separate transactions, entered into by the Company with each of the Counterparties, and are not part of the terms of the 2027 Notes. Holders of the 2027 Notes do not have any rights with respect to the Warrants. The Company received aggregate proceeds of approximately $42.9 million from the sale of the Warrants to the Counterparties. The Warrants are recorded in additional paid-in capital in the Balance Sheets as they do not require classification outside of equity pursuant to ASC 480 and qualify for equity classification pursuant to ASC 815. In combination, the Convertible Note Hedge Transactions and the Warrants are intended to synthetically increase the strike price of the conversion option of the 2027 Notes from approximately $37.27 to $51.15 (subject to adjustment in accordance with the terms of the agreements governing such transactions), with the expected result of reducing the dilutive effect of the 2027 Notes in exchange for a net cash premium of $29.7 million. Convertible Senior Notes Due 2028 On October 26, 2023, the Company issued and sold $250.0 million in aggregate principal amount of 4.00% Convertible Senior Notes due 2028 (the "2028 Notes") in a private placement. The 2028 Notes were issued pursuant to an indenture, dated October 26, 2023, by and among the Company, the subsidiary guarantors party thereto and U.S. Bank Trust Company, National Association, as trustee (the "2028 Indenture"). The 2028 Notes are jointly and severally and fully and unconditionally guaranteed by each of the Company's current and future direct and indirect wholly-owned domestic subsidiaries that guarantee its borrowings under its Credit Agreement. The 2028 Notes bear interest at a rate of 4.00% per year, payable semi-annually in arrears on May 1 and November 1 of each year, beginning on May 1, 2024. The 2028 Notes will mature on November 1, 2028, unless earlier converted, redeemed or repurchased. As of July 28, 2024, approximately $62.0 million of the 2028 Notes remained outstanding. The initial conversion rate of the 2028 Notes is 49.0810 shares of the Company's common stock per $1,000 principal amount of 2028 Notes (which is equivalent to an initial conversion price of approximately $20.37 per share). The conversion rate is subject to adjustment upon the occurrence of certain events specified in the 2028 Indenture but will not be adjusted for accrued and unpaid interest. In addition, upon the occurrence of a Make-Whole Fundamental Change (as defined in the 2028 Indenture) or if the Company delivers a Notice of Redemption (as defined in the 2028 Indenture), the Company will, in certain circumstances, increase the conversion rate by a number of additional shares of common stock as described in the 2028 Indenture for a holder who elects to convert its 2028 Notes in connection with such Make-Whole Fundamental Change or to convert its 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption in connection with such Notice of Redemption, as the case may be. Prior to the close of business on the business day immediately preceding August 1, 2028, the 2028 Notes will be convertible at the option of the holders thereof only under the following circumstances: (1) during any fiscal quarter commencing after the fiscal quarter ended on January 28, 2024 (and only during such fiscal quarter), if the last reported sale price of the Company's common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (2) during the five business day period after any ten consecutive trading day period in which, for each trading day of that period, the Trading Price (as defined in the 2028 Indenture), as determined following a request by a holder of the 2028 Notes in accordance with the procedures described in the Indenture, per $1,000 principal amount of the 2028 Notes for such trading day was less than 98% of the product of the last reported sale price of the Company's common stock and the conversion rate on each such trading day; (3) if the Company calls such 2028 Notes for redemption, at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date, but only with respect to the 2028 Notes called (or deemed called as provided in the 2028 Indenture) for redemption; or (4) upon the occurrence of specified corporate events described in the 2028 Indenture. As of July 28, 2024, one of the conditions allowing the holders of the 2028 Notes to convert had been met. The trading price of the Company's common stock remained above 130% of the applicable $20.37 conversion price for at least 20 trading days during the 30 consecutive-trading day period ending on, and including July 26, 2024 (the last trading day of the fiscal quarter ended July 28, 2024) resulting in the right of the holders of the 2028 Notes to convert the 2028 Notes beginning July 29, 2024 through October 25, 2024 (the last trading day of the fiscal quarter ending October 27, 2024). In addition, on or after August 1, 2028 until the close of business on the second scheduled trading day immediately preceding the maturity date of the 2028 Notes, holders of the 2028 Notes may convert all or a portion of their 2028 Notes, regardless of the foregoing conditions. Upon conversion, the 2028 Notes will be settled in cash up to the aggregate principal amount of the 2028 Notes to be converted, and in cash, shares of the Company's common stock or any combination thereof, at the Company's option, in respect of the remainder, if any, of the Company's conversion obligation in excess of the aggregate principal amount of the 2028 Notes being converted. The Company may not redeem the 2028 Notes prior to November 5, 2026. The Company may redeem for cash all or any portion of the 2028 Notes (subject to the limitation described below), at the Company's option, on or after November 5, 2026 and before the 41st scheduled trading day immediately preceding the maturity date if the last reported sale price of the Company's common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the related notice of sale price redemption, at a redemption price equal to 100% of the principal amount of the 2028 Notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date. If the Company redeems less than all the outstanding 2028 Notes, at least $75.0 million aggregate principal amount of the 2028 Notes must be outstanding and not subject to redemption as of the relevant redemption notice date. No sinking fund is provided for the 2028 Notes. Upon the occurrence of a Fundamental Change (as defined in the 2028 Indenture) prior to the maturity date of the 2028 Notes, holders of the 2028 Notes may require the Company to repurchase all or a portion of the 2028 Notes for cash at a price equal to 100% of the principal amount of the 2028 Notes to be repurchased, plus any accrued and unpaid interest to, but excluding, the Fundamental Change Repurchase Date (as defined in the 2028 Indenture). Exchange of 2028 Notes On July 11, 2024 and July 15, 2024, the Company entered into separate, privately negotiated exchange agreements (the "Exchange Agreements") with certain holders of the 2028 Notes. Pursuant to the Exchange Agreements, on July 24, 2024 certain holders exchanged with the Company approximately $188.1 million in aggregate principal amount of the 2028 Notes held by them for an aggregate of 10,378,431 shares of the Company's common stock, which number of shares was determined over an averaging period that commenced on July 12, 2024. The Company accounted for these exchange transactions as a partial debt extinguishment and recognized a loss on extinguishment of debt equal to the difference between the fair value of the Company's common stock delivered to certain holders of the 2028 Notes and the carrying value of the outstanding debt, accrued interest and third-party fees related to the Exchange Agreements. In the three and six months ended July 28, 2024, in connection with the exchange transactions, the Company recognized $144.7 million of loss included in "Loss on extinguishment of debt" in the Statements of Operations and $5.5 million of loss resulting from the write-off of deferred financing costs included in "Interest expense" in the Statements of Operations. Interest Expense Interest expense was comprised of the following components for the periods presented: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:47.438%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.332%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-

align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Contractual interest</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,502 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">24,156 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">47,147 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">45,397 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Interest swap agreement</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,800)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,445)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5,595)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,590)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Amortization of deferred financing costs</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,379 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,689 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,758 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,103 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Write-off of deferred financing costs</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">5,497</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,497 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total interest expense</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">28,578 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">24,171 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">51,807 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">44,681 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> As of July 28, 2024 and January 28, 2024, there was $2.9 million outstanding under the letters of credit, swing line loans and alternative currency sub-facilities under the Revolving Credit Facility.</div><div style="margin-bottom:5pt;margin-top:5pt">Long-term debt and the current period interest rates were as follows:</div><div style="margin-bottom:5pt;margin-top:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except percentages)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Revolving loans</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">215,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">215,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Term loans</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">622,625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">622,625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 1.625% convertible senior notes due 2027 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">319,500 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">319,500 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td

colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 4.00% convertible senior notes due 2028 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61,950 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250,000 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total debt</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,219,075 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,407,125 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Debt issuance costs</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26,210)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(36,086)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total long-term debt, net of debt issuance costs</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,192,865 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,371,039 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Weighted-average effective interest rate (1) </td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.15 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.86 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> (1) The revolving loans and Term Loans (as defined below) bear interest at variable rates based on Adjusted Term SOFR or a Base Rate (as defined in the Credit Agreement), at the Company's option, plus an applicable margin that varies based on the Company's consolidated leverage ratio. In the first quarter of fiscal year 2024, the Company entered into an interest rate swap agreement with a 2.75 year term to hedge the variability of interest payments on $150.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.58%, plus a variable margin and spread based on the Company's consolidated leverage ratio. In the fourth quarter of fiscal year 2023, the Company entered into an interest rate swap agreement with a 5 year term to hedge the variability of interest payments on $450.0 million of debt outstanding on the Term Loans at a fixed Term SOFR rate of 3.44%, plus a variable margin and spread based on the Company's consolidated leverage ratio. As of July 28, 2024, the effective interest rate was a weighted-average rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.86% (total floating rate of 9.21%), (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.35% plus a margin and spread of 3.85% (total floating rate of 9.20%), (e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%. As of January 28, 2024, the effective interest rate was a weighted average-rate that represented (a) interest on the revolving loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.86% (total floating rate of 9.20%) (b) interest on $450.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.44% plus a margin and spread of 3.85% (total fixed rate of 7.29%), (c) interest on $150.0 million of the debt outstanding on the Term Loans at a fixed SOFR rate of 3.58% plus a margin and spread of 3.85% (total fixed rate of 7.43%), (d) interest on the remaining debt outstanding on the Term Loans at a floating SOFR rate of 5.34% plus a margin and spread of 3.85% (total floating rate of 9.19%),(e) interest on the 2027 Notes outstanding at a fixed rate of 1.625%, and (f) interest on the 2028 Notes outstanding at a fixed rate of 4.00%.
215000000215000000622625000622625000.0162531950000003195000000.040061950000025000000012190750001407125000262100003608600011928650001371039000144700000-144700000550000055000000 Interest expense was comprised of the following components for the periods presented: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:47.438%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.332%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Contractual interest</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,502 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">24,156 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">47,147 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">45,397 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Interest swap agreement</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,800)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,445)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5,595)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td

colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,590)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Amortization of deferred financing costs</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,379 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,689 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,758 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,103 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Write-off of deferred financing costs</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">5,497</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,497 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total interest expense</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">28,578 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">24,171 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">51,807 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">44,681 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 2350200024156000471470004539700028000002445000559500045900002379000168900047580003103000549700077100054970007710002857800024171000051807000-446810002900000029000002900000029000002900000029000002900000Income Taxes The Company's effective tax rate differs from the statutory federal income tax rate of 21% primarily due to the regional mix of income, changes in valuation allowance, research and development ("R&D") tax credits and nondeductible loss on extinguishment of debt. The Tax Cuts and Jobs Act requires R&D costs incurred for tax years beginning after December 31, 2021 to be capitalized and amortized ratably over five or fifteen years for tax purposes, depending on where the research activities are conducted. The Company has elected to treat global intangible low-taxed income ("GILTI") as a period cost and the additional capitalization of R&D costs within GILTI increases the Company's provision for income taxes. In December 2021, the Organization for Economic Cooperation and Development ("OECD") published a framework for a new global minimum tax of 15% ("Pillar Two") on income arising in low-tax jurisdictions, and certain governments in countries where the Company operates have enacted local Pillar Two legislation, with an effective date from January 1, 2024. The Company currently does not expect Pillar Two to have a material impact on its provision for income taxes; however, any future changes in OECD guidance or interpretations could adversely impact the Company's initial assessment. The Company uses a two-step approach to recognize and measure uncertain tax positions ("UTP"). The first step is to evaluate the tax position for recognition by determining if the weight of available evidence indicates that it is more likely than not that the position will be sustained in audit, including resolution of related appeals or litigation processes, if any. The second step is to measure the tax benefit as the largest amount that is more than 50% likely of being realized upon ultimate settlement. A reconciliation of the beginning and ending amount of gross unrecognized tax benefits (before the federal impact of state items) is as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">36,548 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Additions based on tax positions related to the current fiscal year </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">588 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Decreases based on tax positions related to prior fiscal years</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(33)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">37,103 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Included in the balance of gross unrecognized tax benefits at July 28, 2024 and January 28, 2024 are $14.8 million and $14.6 million, respectively, of net tax benefits (after the federal impact of state items), that, if recognized, would impact the effective tax rate, prior to consideration of any required valuation allowance. </div><div style="margin-bottom:5pt;margin-top:5pt">The liability for UTP is reflected in the Balance Sheets as follows: </div><div style="margin-bottom:5pt;margin-top:10pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax assets - non-current</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">20,901 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">20,519 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term liabilities</td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,798 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,632 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total accrued taxes</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">35,699 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">35,151 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The Company's policy is to include net interest and penalties related to unrecognized tax benefits in the "Provision (benefit) for income taxes" in the Statements of Operations. Tax years prior to 2013 (the Company's fiscal year 2014) are generally not subject to examination by the U.S. Internal Revenue Service except for items involving tax attributes that have been carried forward to tax years whose statute of limitations remains open. For state returns in the U.S., the Company is generally not subject to income tax examinations for calendar years prior to 2012 (the Company's fiscal year 2013). The Company has a significant tax presence in Switzerland for which Swiss tax filings have been examined through fiscal year 2020. The Company is also subject to routine examinations by various foreign tax jurisdictions in which it operates. The Company believes that adequate provisions have been made for any adjustments that may result from tax examinations. However, the outcome of tax examinations cannot be predicted with certainty. If any issues addressed in the Company's tax examinations are resolved in a manner not consistent with the Company's expectations, the Company could be required to adjust its provision for income taxes in the period such resolution occurs. The Company's regional income or loss before taxes and equity method income or loss was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Domestic</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(170,591)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(73,470)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(189,460)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(92,311)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Foreign</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,511 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(251,929)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,127 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(264,915)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Total</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(166,080)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(325,399)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(186,333)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(357,226)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> A reconciliation of the beginning and ending amount of gross unrecognized tax benefits (before the federal impact of state items) is as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">36,548 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Additions based on tax positions related to the current fiscal year </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">588 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Decreases based on

tax positions related to prior fiscal years</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(33)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">37,103 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>365480005880003300037103000148000001460000 0<div style="margin-bottom:5pt;margin-top:5pt">The liability for UTP is reflected in the Balance Sheets as follows: </div><div style="margin-bottom:5pt;margin-top:10pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax assets - non-current</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">20,901 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">20,519 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,798 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14,632 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total accrued taxes</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">35,699 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">35,151 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>2090100020519000147980001463200035699000351510 00<div style="margin-bottom:5pt;margin-top:9pt">The Company's policy is to include net interest and penalties related to unrecognized tax benefits in the "Provision (benefit) for income taxes" in the Statements of Operations.</div><div style="margin-bottom:5pt;margin-top:5pt">The Company's regional income or loss before taxes and equity method income or loss was as follows:</div><div style="margin-bottom:5pt;margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Domestic</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(170,591)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(73,470)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(189,460)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(92,311)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Foreign</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,511 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(251,929)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,127 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(264,915)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Total</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(166,080)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(325,399)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(186,333)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(357,226)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> -170591000-73470000-189460000-92311000451100O-251929000312700O-264915000-166080000-325399000-186333000-357226000Leases The Company has operating leases for real estate, vehicles, and office equipment, which are accounted for in accordance with ASC 842, "Leases." Real estate leases are used to secure office space for the Company's administrative, engineering, production support and manufacturing activities. The Company's leases have remaining lease terms of up to approximately eight years, some of which include options to extend the leases for up to five years, and some of which include options to terminate the leases within one year. The components of lease expense were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.555%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.227%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,807 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,167 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,697 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,316 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term lease cost</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">484 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">163 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,093 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sublease income</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(140)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(162)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(296)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(320)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease cost</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,686 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,489 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,564 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,089 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Supplemental cash flow information related to leases was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash paid for amounts included in the measurement of lease liabilities</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,035 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-

align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,280 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new operating lease liabilities</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,428 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,696 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term-operating leases (in years)</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.1</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate on remaining lease payments-operating leases</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7.0 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div style="margin-top:9pt">Supplemental balance sheet information related to leases was as follows:</div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease right-of-use assets in "Other assets"</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,501 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,870 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities in "Accrued liabilities"</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">6,599 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">6,560 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities in "Other long-term liabilities"</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,692 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,033 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total operating lease liabilities</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,291 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,593 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:9pt">Maturities of lease liabilities as of July 28, 2024 are as follows:</div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Fiscal Year Ending:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2025 (remaining six months)</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">4,560 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,495 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2027</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,603 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2028</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,073 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2029</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,193 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,966 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease payments</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,890 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Less: imputed interest</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5,599)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,291 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>P8YP5YP1Y<div style="margin-top:5pt">The components of lease expense were as follows:</div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.555%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12,223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12,227%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,807 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,167 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,697 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,316 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term lease cost</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">484 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">163 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,093 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sublease income</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(140)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(162)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(296)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(320)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease cost</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,686 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,489 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,564 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,089 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:9pt">Supplemental cash flow information related to leases was as follows:</div><div style="margin-bottom:5pt;margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash paid for amounts included in the measurement of lease liabilities</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,035 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,280 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Right-of-use assets obtained in exchange for new operating lease liabilities</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,428 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,696 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term-operating leases (in years)</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.1</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate on remaining lease payments-operating leases</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7.0 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
1807000216700036970004316000190004840001630001093000140000162000296000320000168600024890003564000508900040350004280000242800026960000P5Y1M
style="margin-top:9pt">Supplemental balance sheet information related to leases was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease right-of-use assets in "Other assets"
</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,501 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,870 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities in "Accrued liabilities"</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">6,599 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">6,560 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities in "Other long-term liabilities"</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,692 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,033 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total operating lease liabilities</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,291 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,593 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr>
</table> 2350100023870000659900065600002069200022033000272910000285930000 Maturities of lease liabilities as of July 28, 2024 are as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:85.595%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.205%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Fiscal Year Ending:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2025 (remaining six months)</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">4,560 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,495 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2027</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,603 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2028</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,073 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2029</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,193 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,966 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease payments</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,890 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: imputed interest</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">(5,599)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,291 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
4560000749500056030005073000419300059660003289000055990002729100 0Commitments and Contingencies Legal Matters From time to time, the Company is involved in various claims, litigation, and other legal actions that are normal to the nature of its business, including with respect to intellectual property, contract, product liability, employment, and environmental matters. In accordance with ASC 450-20, "Loss Contingencies," the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if material and if the amount can be reasonably estimated. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. However, for liabilities that are reasonably possible but not probable, the Company discloses the amount of reasonably possible loss or range of reasonably possible loss, if material and if the amount can be reasonably estimated. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to various reasons, including, among others: (i) if the damages sought are indeterminate, (ii) if the proceedings are in early stages, (iii) if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv) if there are significant factual issues to be determined or resolved, and (v) if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any. Because the outcomes of litigation and other legal matters are inherently unpredictable, the Company's evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Company's financial condition and results of operations in any given reporting period. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's financial condition, results of operations or cash flows. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Company's control. As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Company's business, financial condition, operating results, or cash flows. On June 14, 2022, Denso Corporation, and several of its affiliates (collectively "Denso"), filed a complaint against Sierra Wireless and several of its affiliates ("Sierra Entities") in the Superior Court of California, County of San Diego. Denso asserted eight causes of action, including claims for breach of express and implied warranties, equitable indemnification, negligent and intentional misrepresentation, unjust enrichment, promissory estoppel, and declaratory judgment, based on an alleged defect related to the GPS week number rollover date. Denso alleged that it incurred in excess of $84 million in damages and costs to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Denso filed an amended complaint on September 23, 2022, asserting essentially the same eight causes of action. After briefing on a demurrer and initial discovery, the parties' reached a settlement agreement on September 18, 2023 with payments to Denso to be made in four quarterly installments. The final installment payment was made in June 2024 and the case was dismissed with prejudice. On March 25, 2022, Harman Becker Automotive Systems GmbH, and several of its affiliates (collectively "Harman"), filed a complaint against certain Sierra Entities in the District Court of Munich, Germany. Harman asserted claims that the Sierra Entities, in connection with the delivery of certain modules by the Sierra Entities, violated a frame supply agreement and the United Nations Convention on Contracts for the International Sales of Goods. Harman alleged that it incurred approximately $16 million in damages and costs, the bulk of which amount related to settling with a customer that had to implement a firmware update provided by Sierra Entities' supplier in late 2018, before Sierra Wireless disposed of the automotive business, to address the alleged product defect. Since the case is at an early stage, at this time, the Company is unable to form a conclusion as to the likelihood of an unfavorable outcome or the amount or range of any possible loss resulting from the alleged claims. The Company intends to defend the claims vigorously. Environmental Matters The Company vacated a former facility in Newbury Park, California in 2002, but continues to address groundwater and soil contamination at the site. The Company's efforts to address site conditions have been at the direction of the Los Angeles Regional Water Quality Control Board ("RWQCB"). In October 2013, an order was issued including a scope of proposed additional site work, monitoring, and remediation activities. The Company has been complying with RWQCB orders and direction, and continues to implement an approved remedial action plan addressing the soil, groundwater, and soil vapor at the site. The Company has accrued liabilities where it is probable that a loss will be incurred and the cost or amount of loss can be reasonably estimated. Based on the latest determinations by the RWQCB and the most recent actions taken pursuant to the remedial action plan, the Company estimates the total range of probable loss to be between $7.9 million and $9.4 million. To date, the Company has made $7.3 million in payments towards the remedial action plan. As of July 28, 2024, the estimated range of probable loss remaining was between $0.6 million and $2.1 million. Given the uncertainties associated with environmental assessment and the remediation activities, the Company is unable to determine a best estimate within the range of loss. Therefore, the Company has recorded the minimum amount of probable loss and as of July 28, 2024, has a remaining accrual of $0.6 million related to this matter. These estimates could change as a result of changes in planned remedial actions, further actions from the regulatory agency, remediation technology, and other factors.</div><div style="margin-bottom:5pt;margin-top:5pt">Indemnification </div><div style="margin-bottom:5pt;margin-top:5pt">The Company has entered into agreements with its current and former executives and directors indemnifying them against certain liabilities incurred in connection with the performance of their duties. The Company's Certificate of Incorporation and Bylaws also contain indemnification obligations with respect to the Company's current directors and employees.</div><div style="margin-bottom:5pt;margin-top:5pt">The Company is a party to a variety of agreements in the ordinary course of business under which the Company may be obligated to indemnify a third party with respect to certain matters. The impact on the Company's future financial results is not subject to reasonable estimation because considerable uncertainty exists as to the final outcome of any claims and whether claims will be made. </div><div style="margin-bottom:5pt;margin-top:5pt">Product Warranties</div><div style="margin-bottom:5pt;margin-top:5pt">The Company's general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances, the Company has agreed to other or additional warranty terms, including indemnification provisions.</div><div style="margin-bottom:5pt;margin-top:5pt">The product warranty accrual reflects the Company's best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense and the related accrual has been immaterial to the Company's consolidated financial statements.</div><div style="margin-bottom:5pt;margin-top:5pt">Licenses</div><div style="margin-bottom:5pt;margin-top:5pt">Under certain license agreements, the Company is committed to make royalty payments based on the sales of products using certain technologies. The Company recognizes royalty obligations as determinable in accordance with agreement terms.</div><div style="margin-bottom:5pt;margin-top:5pt">Deferred Compensation</div><div style="margin-bottom:5pt;margin-top:5pt">The Company maintains a deferred compensation plan for certain officers and key executives that allows participants to defer a portion of their compensation for future distribution at various times permitted by the plan. This plan provides for a discretionary Company match up to a defined portion of the employee's deferral, with any match subject to a defined vesting schedule.</div><div style="margin-bottom:5pt;margin-top:5pt">The Company's liability for the deferred compensation plan is presented below:</div><div style="margin-bottom:5pt;margin-top:10pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accrued liabilities</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,015 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">7,412 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">33,160 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,288 </td><td style="background-

color:#fffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total deferred compensation liabilities under this plan</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">37,175 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">39,700 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The Company has purchased whole life insurance on the lives of certain current deferred compensation plan participants. This corporate-owned life insurance is held in a grantor trust and is intended to cover a majority of the Company's costs of the deferred compensation plan. The cash surrender value of the Company's corporate-owned life insurance is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current assets</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,538 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#fffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other assets</td><td colspan="2" style="background-color:#fffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,451 </td><td style="background-color:#fffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffff;padding:0 1pt"></td><td colspan="2" style="background-color:#fffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">25,098 </td><td style="background-color:#fffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash surrender value of corporate-owned life insurance</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,451 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">29,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> In accordance with ASC 450-20, "Loss Contingencies," the Company accrues an undiscounted liability for those contingencies where the incurrence of a loss is probable and the amount can be reasonably estimated. The Company also discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if material and if the amount can be reasonably estimated. The Company does not record liabilities when the likelihood that the liability has been incurred is probable but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. However, for liabilities that are reasonably possible but not probable, the Company discloses the amount of reasonably possible loss or range of reasonably possible loss, if material and if the amount can be reasonably estimated. The Company evaluates, at least quarterly, developments in its legal matters that could affect the amount of liability that has been previously accrued, and makes adjustments as appropriate. Significant judgment is required to determine both probability and the estimated amount. The Company may be unable to estimate a possible loss or range of possible loss due to various reasons, including, among others: (i) if the damages sought are indeterminate, (ii) if the proceedings are in early stages, (iii) if there is uncertainty as to the outcome of pending appeals, motions or settlements, (iv) if there are significant factual issues to be determined or resolved, and (v) if there are novel or unsettled legal theories presented. In such instances, there is considerable uncertainty regarding the ultimate resolution of such matters, including a possible eventual loss, if any. Because the outcomes of litigation and other legal matters are inherently unpredictable, the Company's evaluation of legal matters or proceedings often involves a series of complex assessments by management about future events and can rely heavily on estimates and assumptions. While the consequences of certain unresolved matters and proceedings are not presently determinable, and an estimate of the probable and reasonably possible loss or range of loss for such proceedings cannot be reasonably made, an adverse outcome from such proceedings could have a material adverse effect on the Company's financial condition and results of operations in any given reporting period. In the opinion of management, after consulting with legal counsel, any ultimate liability related to current outstanding claims and lawsuits, individually or in the aggregate, is not expected to have a material adverse effect on the Company's financial condition, results of operations or cash flows. However, legal matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond the Company's control. As such, even though the Company intends to vigorously defend itself with respect to its legal matters, there can be no assurance that the final outcome of these matters will not materially and adversely affect the Company's business, financial condition, operating results, or cash flows.
840000001600000079000009400000730000060000021000006000000 The Company's general warranty policy provides for repair or replacement of defective parts. In some cases, a refund of the purchase price is offered. In certain instances, the Company has agreed to other or additional warranty terms, including indemnification provisions. The product warranty accrual reflects the Company's best estimate of probable liability under its product warranties. The Company accrues for known warranty issues if a loss is probable and can be reasonably estimated, and accrues for estimated incurred but unidentified issues based on historical experience. Historically, warranty expense and the related accrual has been immaterial to the Company's consolidated financial statements. Licenses Under certain license agreements, the Company is committed to make royalty payments based on the sales of products using certain technologies. The Company recognizes royalty obligations as determinable in accordance with agreement terms. The Company's liability for the deferred compensation plan is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accrued liabilities</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,015 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">7,412 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">33,160 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32,288 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total deferred compensation liabilities under this plan</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-

align:bottom">37,175 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">39,700 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>401500074120003316000032288000371750003970000<div style="margin-bottom:5pt;margin-top:5pt">The cash surrender value of the Company's corporate-owned life insurance is presented below:</div><div style="margin-bottom:5pt;margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.560%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current assets</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,538 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other assets</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,451 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">25,098 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash surrender value of corporate-owned life insurance</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27,451 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">29,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
04538000274510002509800027451000296360000Restructuring The Company has undertaken structural reorganization actions to reduce its workforce as a result of cost-saving measures and internal resource alignment including from the realization of synergies of the Sierra Wireless Acquisition. The Company had restructuring charges of $1.5 million and $3.8 million in the three and six months ended July 28, 2024, respectively, compared to restructuring charges of $9.8 million and $11.8 million in the three and six months ended July 30, 2023, respectively. Restructuring related liabilities are included in "Accrued liabilities" in the Balance Sheets.</div><div style="margin-bottom:5pt;margin-top:5pt">Restructuring activity is summarized as follows:</div><div style="margin-bottom:5pt;margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:50.508%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">One-time employee termination benefits</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Other restructuring</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,799 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">478 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,277 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Charges </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,706 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash payments</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(7,487)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(548)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8,035)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">34 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,052 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Restructuring charges were included in the Statements of Operations as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td

style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12,204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of sales</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">362 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">859 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#fffffc;padding:2px 1pt;text-align:left;vertical-align:top">Restructuring</td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,541 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffffc;padding:0 1pt"></td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,399 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffffc;padding:0 1pt"></td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffffc;padding:0 1pt"></td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,962 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total restructuring charges</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,541 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">9,761 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">11,821 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 150000038000009800000011800000 Restructuring activity is summarized as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:50.508%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">One-time employee termination benefits</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Other restructuring</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at January 28, 2024</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,799 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">478 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,277 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#fffffc;padding:2px 1pt;text-align:left;vertical-align:bottom">Charges </td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,706 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffffc;padding:0 1pt"></td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">104 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#fffffc;padding:0 1pt"></td><td colspan="2" style="background-color:#fffffc;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#fffffc;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash payments</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(7,487) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(548)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2"

style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8,035)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at July 28, 2024</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,018 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">34 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,052 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:5pt;margin-top:5pt">Restructuring charges were included in the Statements of Operations as follows: </div><div style="margin-bottom:5pt;margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of sales</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">362 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">859 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Restructuring</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,541 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,399 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,962 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Total restructuring charges</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,541 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">9,761 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,810 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">11,821 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
5799000478000627700037060001040003810000748700054800080350002018000340002052000036200008590001541000939900038100001096200015410009761000361 of Risk The following significant customers accounted for at least 10% of the Company's net sales in one or more of the periods indicated: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> (percentage of net sales) (1) </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28,

2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Frontek Technology Corporation (and affiliates)</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">13%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">*</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">13%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">*</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Trend-tek Technology Ltd. (and affiliates)</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">10%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">*</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">10%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">*</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none">

style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3"

</td><td style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">87,017 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">18 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Analog Mixed Signal and Wireless </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79,311 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69,989 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">154,655 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">129,608 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">76,610 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">35 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">122,257 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">149,072 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">35 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">258,286 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total net sales</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">215,355 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">238,372 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">474,911 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross profit:</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Signal Integrity</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">36,768 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">27,606 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">71,529 </td><td style="background-

color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">52,093 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Analog Mixed Signal and Wireless</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">45,399 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,123 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86,103 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79,597 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,111 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,349 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54,205 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">101,157 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Unallocated costs, including share-based compensation and amortization of acquired technology</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,814)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17,350)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6,781)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(29,173)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total gross profit</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105,464 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">100,728 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205,056 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">203,674 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:5pt;margin-top:9pt">Geographic Information</div><div style="margin-bottom:5pt;margin-top:5pt">Net sales activity by geographic region was as follows:</div><div style="margin-bottom:5pt;margin-top:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(percentage of total net sales)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asia-Pacific</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">65% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">62%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">64%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">57%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">North America</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">21%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">24%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79,597 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,111 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,349 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54,205 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">101,157 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Unallocated costs, including share-based compensation and amortization of acquired technology</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,814)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17,350)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6,781)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(29,173)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total gross profit</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105,464 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">100,728 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205,056 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">203,674 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:5pt;margin-top:9pt">Geographic Information</div><div style="margin-bottom:5pt;margin-top:5pt">Net sales activity by geographic region was as follows:</div><div style="margin-bottom:5pt;margin-top:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(percentage of total net sales)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asia-Pacific</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">65% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">62%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">64%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">57%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">North America</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">21%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">24%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17,350)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6,781)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(29,173)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total gross profit</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105,464 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="

color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">22%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">28%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Europe</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">15%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td></tr></table> The Company attributes sales to a country based on the ship-to address. The table below summarizes sales activity to geographies that represented greater than 10% of total sales for at least one of the periods presented: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12,226%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(percentage of total net sales)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">China (including Hong Kong)</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">45%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">29%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">44%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">27%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">United States</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">20%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">23%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">20%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">25%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Although a large percentage of the Company's products is shipped into the Asia-Pacific region, a significant number of products produced by these customers and incorporating the Company's semiconductor products are then sold outside this region. Sales by Revenue Type Net sales by revenue type were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:23.753%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.686%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net sales:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Product sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">185,966 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-

weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">210,196 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">363,455 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">417,577 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Service revenue</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,389 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28,176 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">58,005 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,334 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total net sales</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">215,355 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">238,372 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">421,460 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">474,911 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> 3343 Net sales and gross profit by reportable segment were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:28.432%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.087%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.087%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.087%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.087%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.095%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net sales:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid

#000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Signal Integrity </td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">59,434 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">46,126 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">117,733 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">87,017 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">18 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Analog Mixed Signal and Wireless </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79,311 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69,989 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">154,655 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">129,608 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">76,610 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">35 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">122,257 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">149,072 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">35 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">258,286 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total net sales</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">215,355 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">238,372 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">421,460 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-

align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">474,911 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross profit:</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Signal Integrity</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">36,768 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">27,606 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">71,529 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">52,093 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Analog Mixed Signal and Wireless</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">45,399 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,123 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86,103 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79,597 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">IoT Systems and Connectivity</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,111 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,349 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54,205 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">101,157 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Unallocated costs, including share-based compensation and amortization of acquired technology</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,814)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17,350)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6,781)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(29,173)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total gross profit</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105,464 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">100,728 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205,056 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">203,674 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr></table>
594340000.28461260000.19117730000.28870170000.18793110000.37699890000.29154650000.37129680000.27766100000.35122570000.52149070000.35258286
3814000-17350000-6781000-29173000105464000100728000205056000203674000 Net sales activity by geographic region was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.490%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:1.0%"></td><td

style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.208%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(percentage of total net sales)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Asia-Pacific</td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">65%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">62%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">64%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">57%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">North America</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">21%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">24%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">22%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">28%</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Europe</td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">14%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">15%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">100%</td></tr></table> 0.650.620.640.570.210.240.220.280.140.140.140.151111The table below summarizes sales activity to geographies that represented greater than 10% of total sales for at least one of the periods presented: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:43.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.226%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(percentage of total net sales)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">China (including Hong Kong)</td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">45%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">29%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">44%</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">27%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">United States</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">20%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">23%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">20%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">25%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 0.450.290.440.270.200.230.200.25 Net sales by revenue type were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:23.753%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.686%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Six Months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-

top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">July 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net sales:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Product sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">185,966 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">210,196 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">363,455 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">417,577 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Service revenue</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29,389 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28,176 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">58,005 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,334 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total net sales</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">215,355 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">238,372 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">421,460 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">474,911 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td></tr></table>
1859660000.862101960000.883634550000.864175770000.88293890000.14281760000.12580050000.14573340000.122153550001238720001421460000147491100015Repurchase ProgramThe Company maintains a stock repurchase program that was initially approved by its board of directors (the "Board of Directors") in March 2008. The

stock repurchase program does not have an expiration date and the Board of Directors has authorized expansion of the program over the years. On March 11, 2021, the Board of Directors approved the expansion of the stock repurchase program by an additional $350.0 million. There was no activity under the stock repurchase program during the three and six months ended July 28, 2024 and July 30, 2023. As of July 28, 2024, the remaining authorization under the program was $209.4 million. Under the program, the Company may repurchase its common stock at any time or from time to time, without prior notice, subject to market conditions and other considerations. The Company's repurchases may be made through Rule 10b5-1 and/or Rule 10b-18 or other trading plans, open market purchases, privately negotiated transactions, block purchases or other transactions. To the extent the Company repurchases any shares of its common stock under the program in the future, the Company expects to fund such repurchases from cash on hand and borrowings on its Revolving Credit Facility. The Company has no obligation to repurchase any shares under the program and may suspend or discontinue it at any time.350000000209400000Derivatives and Hedging Activities The Company is exposed to certain risks arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company occasionally uses derivative financial instruments, in the form of forward contracts, to mitigate a portion of the risk associated with adverse movements in these foreign currency exchange rates during a twelve-month window. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date. The Company's accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company applied hedge accounting to all foreign currency derivatives and designated these hedges as cash flow hedges. The Company's foreign currency forward contracts had the following outstanding balances: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:38.285%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.270

align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,774 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,144 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:bottom">Foreign currency forward contracts</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">168 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total other current assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,774 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,312 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Interest rate swap agreement</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">862 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">178 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total other long-term assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">862 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">178 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:bottom">Foreign currency forward contracts</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">80 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total accrued liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">80 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:bottom">Interest rate swap agreement</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Total other long-term liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> During fiscal year 2021, the Company entered into an economic hedge program that used total return swap contracts to hedge the market risk associated with the unfunded portion of the Company's deferred compensation liability. The total return swap contracts generally had a duration of one month and were rebalanced and re-hedged at the end of each monthly term. While the total return swap contracts were treated as economic hedges, the Company did not designate them as hedges for accounting purposes. The total return swap contracts were measured at fair value and recognized in the Balance Sheets in "Accrued Liabilities" if the instruments were in a loss position and in "Other Current Assets" if the instruments were in a gain position. Unrealized gains and losses, as well as realized gains and losses for settlements, on the total return swap contracts were recognized in "Selling, general and administrative expenses" in the Statements of Operations. The total return swap contracts, which matured during fiscal year 2024, resulted in net gains recognized in earnings of $0.3 million and $0.2 million for the three and six months ended July 30, 2023, respectively.The Company is exposed to certain risks arising from both its business operations and economic conditions and principally manages its exposures to a wide variety of business and operational risks through management of its core business activities. The Company, on a routine basis and in the normal course of business, experiences expenses denominated in Swiss Franc ("CHF"), Canadian Dollar ("CAD") and Great British Pound ("GBP"). Such expenses expose the Company to exchange rate fluctuations between these foreign currencies and the U.S. Dollar ("USD"). The Company occasionally uses derivative financial instruments, in the form of forward contracts, to mitigate a portion of the risk associated with adverse movements in these foreign currency exchange rates during a twelve-month window. Currency forward contracts involve fixing the exchange rate for delivery of a specified amount of foreign currency on a specified date. The Company's accounting treatment for these instruments is based on whether or not the instruments are designated as a hedging instrument. The Company applied hedge accounting to all foreign currency derivatives and designated these hedges as cash flow hedges.he Company's foreign currency forward contracts had the following outstanding balances: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:38.285%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.270%"></td><td style="width:0.1%"></td><td

style="width:8.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.273%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except number of instruments)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Number of Instruments</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Sell Notional Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Buy Notional Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Number of Instruments</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Sell Notional Value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Buy Notional Value</td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sell USD/Buy CAD Forward Contract</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">4</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,115 </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,950 </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">10</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,899 </td><td style="background-color:#ceeeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">17,550 </td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">4</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">10</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr></table> The fair values of the Company's instruments that qualify as cash flow hedges in the Balance Sheets were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:70.976%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 28, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">January 28, 2024</td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Interest rate swap agreement</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">6,774 </td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,312 </td><td style="background-color:#ceeeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Interest rate swap agreement</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">862 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">178 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total other long-term assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">862 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">178 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:bottom">Foreign currency forward contracts</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">80 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total accrued liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">80 </td><td style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:bottom">Interest rate swap agreement</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Total other long-term liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
*** 45115000695000010128990001755000004l0P2Y9M150000000.00.0358P5Y450000000.00.0344280000024000005600000460000067740007144000016800067740007312(***