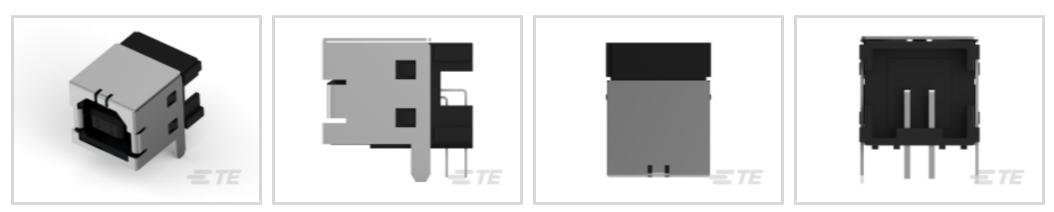
# 292317-4 - ACTIVE

TE Internal #: 292317-4 B, 2.0, Standard Profile, Receptacle, 1 Port, Top, Right Angle, Box & Tray / Tray, Flush, Through Hole - Solder, Cable-to-Board, USB Connectors

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Connectors > Audio & Video Connectors > USB Connectors





USB Adapter Type: **B** 

USB Version: 2.0

Connector Profile: Standard

Connector & Housing Type: Receptacle

Number of Ports: 1

#### Features

Product Type Features



Integral Locking Latch	Without
USB Adapter Type	В
USB Version	2.0
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board
USB Connector Type	USB 2.0 Type-B
Configuration Features	
Number of Ports	1
Number of Positions	4
Body Features	
Shell Plating Finish	Matte
Shell Plating Material	Nickel
Offset	0 mm

#### 292317-4

B, 2.0, Standard Profile, Receptacle, 1 Port, Top, Right Angle, Box & Tray / Tray, Flush, Through Hole - Solder, Cable-to-Board, USB Connectors



Contact Mating Area Plating Material Thickness.76 µm(29.99 µin)Contact Mating Area Plating MaterialGold Flash over Palladium NickelContact Current Rating (Max)1AFermination Features3.01 nm(.119 in)Termination Post & Tail Length3.01 nm(.119 in)Termination Method to PCBThrough Hole - SolderMechanical Attachment10pPCB Mount LocationIopPCB Connector SeatingFlushPCB Mount Retention TypeBoard MountContect SeatingStraight LegPCB Mount Retention TypeBoard MountConnector SeatingFlushPCB Mount Retention TypeBlackConnector SeatingFlushPCB Mount Retention TypeBlackConnector SeatingFlushPCB Mount Retention TypeBlackHousing ColorBlackHousing MaterialThermoplasticPCB Thickness (Recommended)I.57 nm(.062 in]PCB Thickness (Recommended)Scon (CS00 °T]Soldering Temperature (Max)Scon (CS00 °T]Mating Cycles (Max)Scon (Scon °T)Operating Temperature RangeSci Sci Sci Sci Sci Sci Sci Sci Sci Sci	Connector Profile	Standard
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Termination Method to PCBThrough Hole: SolderKechanical AttachmentWithCocking FeatureWithPCB Mount LocationTopPCB Connector SeatingFlushPCB Mount Retention TypeBackConnector Mounting TypeBackHousing ColorBlackHousing ColorRight AngleRody OrientationRight AngleBody OrientationStarm(J088 in)Centreline (Ptch)Schmi, D88 in)PCB Thickness (Recommended)1.57 mm (J062 in)Soldering Temperature (Max)Sold CiGOO "FIMaing Cycles (Max)SolOperating Temperature RangeSolCircuit ApplicationSignalCircuit ApplicationSignalIndustry StandardUSB 20Industry StandardUSB 20Industry StandardUSB 20	Termination Features	
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Locking Feature         With           PCB Mount Location         Top           PCB Connector Seating         Fush           PCB Mount Retention Type         Straight Leg           Connector Mounting Type         Board Mount           Housing Color         Black           Housing Material         Themoplastic           Body Orientation         Right Angle           Contector Mounting Type         Single Angle           Housing Color         Black           Housing Material         Themoplastic           Body Orientation         Right Angle           Centerline (Pitch)         Single Angle           PCB Thickness (Recommended)         1.57 mm[.092 in]           Soldering Temperature (Max)         Sold CipCotor "J           Atting Cycles (Max)         100           Operating Temperature Range         Signal           Atting Cycles (Max)         Signal           Industry Standards         Signal           Industry Standard         Signal	Termination Method to PCB	Through Hole - Solder
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PCB Mount Retention TypeStraight LegConnector Mounting TypeBoard MountHousing FeaturesBlackHousing ColorBlackHousing MaterialRight AngleBody OrientationRight AngleCenterline (Pitch)2.5 mn(.098 in)PCB Thickness (Recommended)Johr (Doing Color Type)PCB Thickness (Recommended)Sofor (Type)Soldering Temperature (Max)60° (Stoor °T)Mating Cycles (Max)1500Operating Temperature RangeJohr (Stoor ST)Prestion/ApplicationSofor (Stoor ST)Halogen FreeNoCircuit ApplicationSignalIndustry StandardUSB 2.0Industry StandardUSB 2.0Housing StandardStor (Stoor ST)Industry StandardStor (Stoor ST)Industry StandardStor (Stor (Stor ST)Industry StandardStor (Stor (Stor ST)Industry StandardStor (Stor	PCB Mount Location	Тор
Connector Mounting Type       Board Mount         Housing Features       Black         Housing Color       Black         Housing Material       Thermoplastic         Body Orientation       Right Angle         Centerline (Pitch)       2.5 mm[.098 in]         Dimensions       Thermoplastic         PCB Thickness (Recommended)       1.57 mm[.062 in]         Vage Conditions       260 °C[500 °F]         Soldering Temperature (Max)       260 °C[500 °F]         Mating Cycles (Max)       1500         Operating Temperature Range       Solder °F]         Halogen Free       No         Halogen Free       Signal         Industry Standard       USB 2.0         Mointy Standard       USB 2.0	PCB Connector Seating	Flush
Housing Features Housing Color Housing Material Body Orientation Body Orientation Centerline (Pitch) Centerline (Pitch) Centerline (Pitch) Centerline (Pitch) Centerline (Max) CB Thickness (Recommended) CB Thick	PCB Mount Retention Type	Straight Leg
Housing ColorBlackHousing MaterialThermoplasticBody OrientationRight AngleCenterline (Pitch)2.5 mm[.098 in]Centerline (Pitch)1.57 mm[.062 in]Dimensions1.57 mm[.062 in]Vage Conditions260 °C[500 °F]Soldering Temperature (Max)260 °C[500 °F]Operating Temperature Range-55 - 85 °C[-67 - 185 °F]Peretion/ApplicationIsionalCircuit ApplicationSignalIndustry StandardsUSB 2.0Industry StandardUSB 2.0Moisture Sensitivity Level1	Connector Mounting Type	Board Mount
NoteHousing MaterialThermoplasticBody OrientationRight AngleCenterline (Pitch)2.5 mm[.098 in]DimensionsDimensionsPCB Thickness (Recommended)1.57 mm[.062 in]Usage Conditions260 °C[500 °F]Soldering Temperature (Max)260 °C[500 °F]Mating Cycles (Max)1500Operating Temperature Range55 - 85 °C[-67 - 185 °F]Operating Temperature RangeSoldering Temperature RangeOperation/ApplicationSignalIndustry StandardsUSB 2.0Industry StandardLSB 2.0Moisture Sensitivity Level1	Housing Features	
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Centerline (Pitch)       2.5 mm[.098 in]         Dimensions       1.57 mm[.062 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Usage Conditions       260 °C[500 °F]         Value Conditions       260 °C[500 °F]         Mating Cycles (Max)       1500         Operating Temperature Range       -55 - 85 °C[-67 - 185 °F]         Operation/Application       -55 - 85 °C[-67 - 185 °F]         Halogen Free       No         Industry Standards	Housing Material	Thermoplastic
PCB Thickness (Recommended)       1.57 mm[.062 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Usage Conditions       260 °C[500 °F]         Soldering Temperature (Max)       260 °C[500 °F]         Mating Cycles (Max)       1500         Operating Temperature Range       55 - 85 °C[-67 - 185 °F]         Peration/Application       55 - 85 °C[-67 - 185 °F]         Preation/Application       Signal         Industry Standards       Signal         Industry Standard       USB 2.0         Mature Sensitivity Level       1	Body Orientation	Right Angle
PCB Thickness (Recommended)       1.57 mm[.062 in]         Usage Conditions       260 °C[500 °F]         Soldering Temperature (Max)       260 °C[500 °F]         Mating Cycles (Max)       1500         Operating Temperature Range       55 – 85 °C[-67 – 185 °F]         Operation/Application       Signal         Industry Standards       Visiture Sensitivity Level         Industry Standard       USB 2.0	Centerline (Pitch)	2.5 mm[.098 in]
Sage Conditions       260 °C[500 °F]         Soldering Temperature (Max)       1500         Mating Cycles (Max)       1500         Operating Temperature Range       55 - 85 °C[-67 - 185 °F]         Operation/Application       Soldering Temperature Range         I halogen Free       No         Circuit Application       Signal         Industry Standards       USB 2.0         Industry Standard       1	Dimensions	
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Mating Cycles (Max)1500Operating Temperature Range-55 - 85 °C[-67 - 185 °F]Operation/Application-55 - 85 °C[-67 - 185 °F]Halogen FreeNoCircuit ApplicationSignalIndustry StandardsUSB 2.0Industry Standard1	Usage Conditions	
Operating Temperature Range-55 - 85 °C[-67 - 185 °F]Operation/ApplicationNoHalogen FreeNoCircuit ApplicationSignalIndustry StandardsUSB 2.0Moisture Sensitivity Level1	Soldering Temperature (Max)	260 °C[500 °F]
Operation/Application         Halogen Free       No         Circuit Application       Signal         Industry Standards       VSB 2.0         Moisture Sensitivity Level       1	Mating Cycles (Max)	1500
Halogen FreeNoCircuit ApplicationSignalIndustry StandardsUSB 2.0Noisture Sensitivity Level1	Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Industry Standards USB 2.0 Industry Level 1	Halogen Free	No
Industry Standard       USB 2.0         Moisture Sensitivity Level       1	Circuit Application	Signal
Moisture Sensitivity Level 1	Industry Standards	
	Industry Standard	USB 2.0
Test Identification (TID) 60001136	Moisture Sensitivity Level	1
	Test Identification (TID)	60001136

**C** For support call+1 800 522 6752

#### 292317-4

B, 2.0, Standard Profile, Receptacle, 1 Port, Top, Right Angle, Box & Tray / Tray, Flush, Through Hole - Solder, Cable-to-Board, USB Connectors

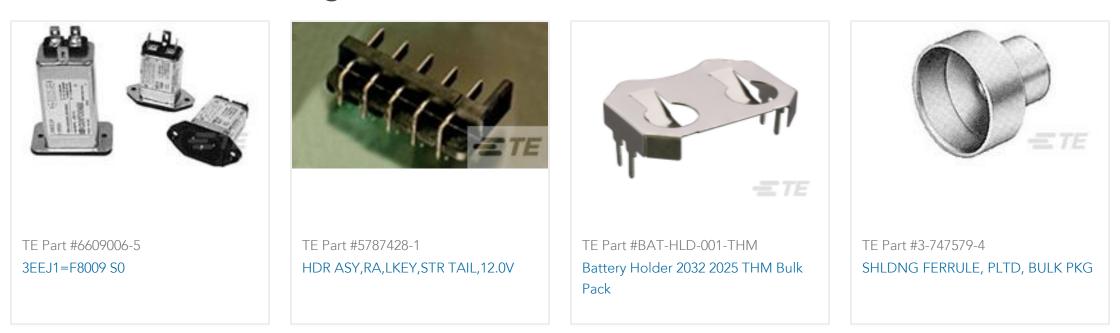


UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	273
Packaging Method	Box & Tray, Tray
<b>Product Compliance</b> For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

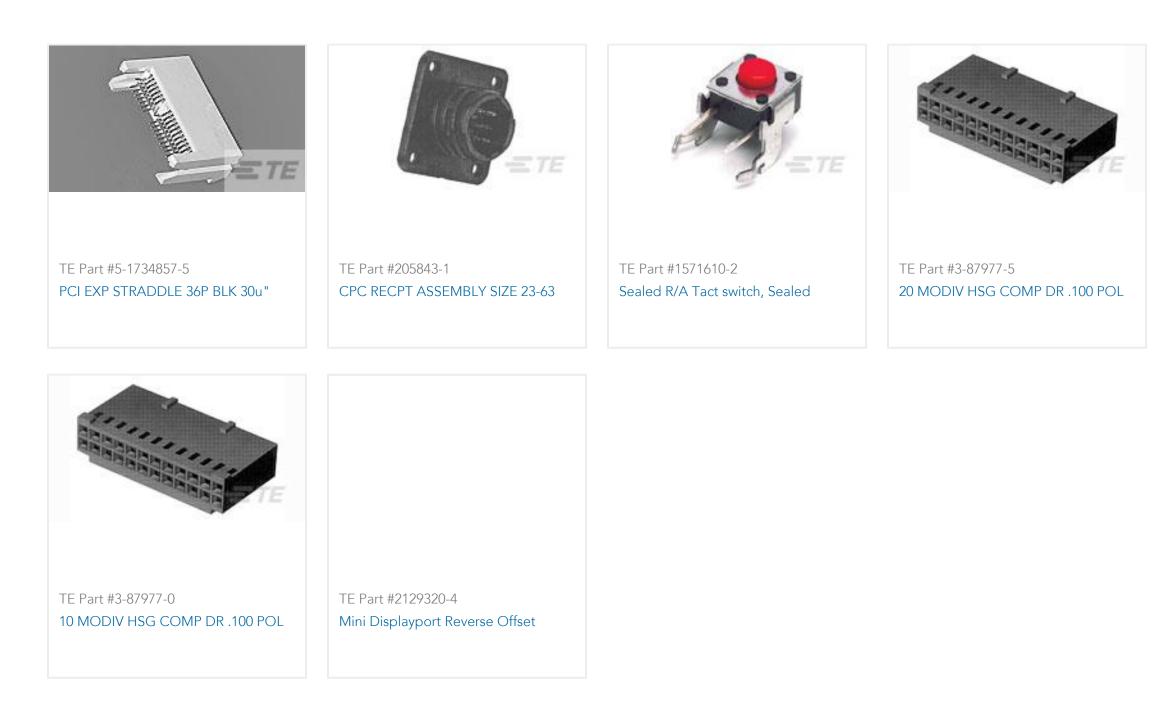
## Customers Also Bought



#### 292317-4

B, 2.0, Standard Profile, Receptacle, 1 Port, Top, Right Angle, Box & Tray / Tray, Flush, Through Hole - Solder, Cable-to-Board, USB Connectors





### Documents

Product Drawings STD USB TYPE B, R/A, T/H

English

CAD Files 3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_292317-4\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_292317-4\_C.3d\_igs.zip

English

Customer View Model

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ENG_CVM_CVM_292317-4_C.3d_stp.zip
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English

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Product Specifications Application Specification

English

Agency Approvals UL Report

English