2174507-2 ✔ ACTIVE

TE Internal #: 2174507-2

B, Micro USB, 2.0, Receptacle, 5 Position, Top Mount, 1 Port, Right Angle, Tape & Reel, Offset, Surface Mount, Cable-to-Board

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Connectors > Audio & Video Connectors > USB Connectors







USB Type: **B**

USB Version: **2.0**

Connector Profile: **Micro**

Connector & Housing Type: **Receptacle**

Number of Ports: **1**

Features

Product Type Features

Integral Locking Latch	Without
USB Type	B
USB Version	2.0
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Ports	1
Number of Positions	5

Body Features

Shell Plating Finish	Bright
Shell Plating Material	Tin
Connector Profile	Micro

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Contact Mating Area Plating Material	Gold (Au)
Contact Current Rating (Max)	1.8 A

Termination Features

Termination Post & Tail Length	.75 mm[.03 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Locking Feature	Without
PCB Mount Location	Top Mount
PCB Connector Seating	Offset
PCB Mount Retention Type	SMT Hold-Down
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Body Orientation	Right Angle
Centerline (Pitch)	.65 mm[.025 in]

Dimensions

PCB Thickness (Recommended)	.8 – 1 mm[.031 – .039 in]

Usage Conditions

Soldering Temperature (Max)	260 °C[500 °F]
Mating Cycles (Max)	10000
Operating Temperature Range	-30 – 85 °C[-22 – 185 °F]

Operation/Application

Halogen Free	No
Assembly Process Feature	Without Pick and Place Cover
Circuit Application	Power & Signal

Industry Standards

Moisture Sensitivity Level	1
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Tape & Reel

Product Compliance

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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



TE Part #3-1469373-7
ATCA GUIDE MODULE RA FEMALE



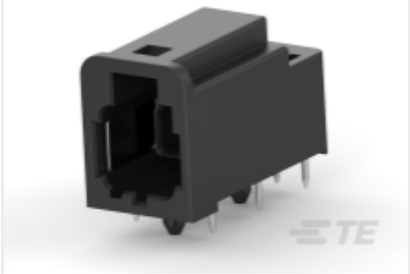
TE Part #5-1879208-9
CPF 0402 2K7 0.1% 25PPM 1K RL



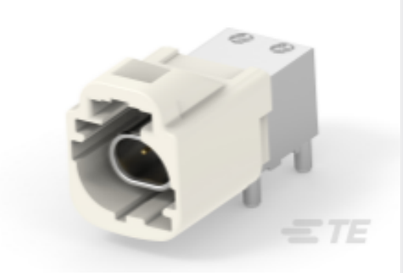
TE Part #2127933-6
C/A, SFP+, GENERIC, 5.0M



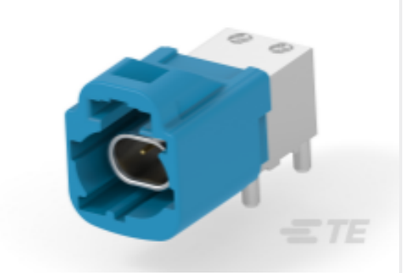
TE Part #2314170-2
1POS,FAKRA AUT,HDR ASSY,90DEG, COD B



TE Part #2349217-1
MATENET,1-PORT,TOP,LATCH,HDR ASSY,COD A



TE Part #2374901-2
GEMnet HDR, ASSY, 1P, 90deg,COD B



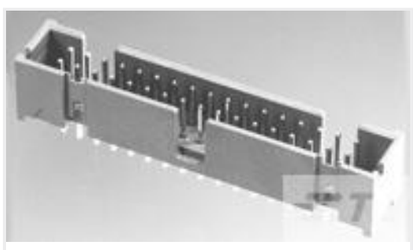
TE Part #2374901-3
GEMnet HDR, ASSY, 1P, 90deg,COD C



TE Part #2374902-1
GEMnet HDR, ASSY, 2P, 90deg,COD A



TE Part #2-2397137-1
1P,HYBRID,HDR ASSY,180DEG



TE Part #5104338-7
A/L LOW PRO HDR 34P VERT HT

Documents

Product Drawings

MICRO USB, TYPE B

English

CAD Files

Customer View Model

ENG_CVM_CVM_2174507-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2174507-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2174507-2_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

5-1773464-3_Quick_Reference_Guide_Micro_USB_Connectors

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese