2041492-1 ✔ ACTIVE

TE Internal #: 2041492-1

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

View on TE.com >

Connectors > Audio & Video Connectors > USB Connectors



USB Type: **B**

USB Version: **2.0**

Connector Profile: **Mini**

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	Matte
Shell Plating Material	Nickel
Connector Profile	Mini

Contact Features

Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold Flash
Contact Current Rating (Max)	1 A

Termination Features

Termination Post & Tail Length	1.15 mm[.045 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Locking Feature	With
PCB Mount Alignment Type	Locating Posts
PCB Mount Location	Top Mount
PCB Connector Seating	Flush
PCB Mount Retention Type	SMT Hold-Down
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Black
Housing Material	PA 9T GF
Body Orientation	Right Angle
Centerline (Pitch)	.8 mm[.031 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Soldering Temperature (Max)	260 °C[500 °F]
Mating Cycles (Max)	5000
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Halogen Free	No
Assembly Process Feature	Carrier Tape
Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	700
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: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

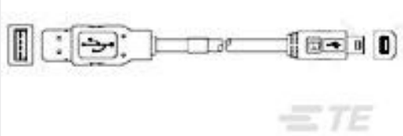
Product Compliance Disclaimer

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

Compatible Parts



TE Part # 1734205-1
MINI USB, TYPE B, PLUG. CABLE-KIT



TE Part # 1496476-1
STD USB-A TO MINI-B ASSY, 1M



TE Part # 1929690-1
USB CABLE, USB A to Mini USB,Blue

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



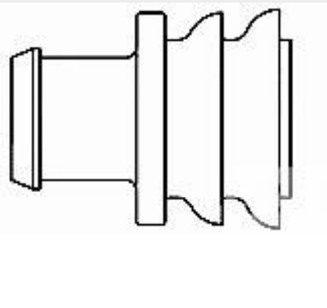
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

MINI USB, TYPE B, R/A, SMT, MYLAR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2041492-1_B1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2041492-1_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2041492-1_B1.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Product Specification

English