

2172034-1 ✓ ACTIVE



Industrial USB IP20

TE Internal #: 2172034-1

USB Connectors, B, 2.0, Mini Profile, Receptacle, 1 Port, Top, Right Angle, Box & Tray, IP20, Flush, Through Hole - Solder, Industrial USB IP20

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Connectors > Audio & Video Connectors > USB Connectors



USB Adapter 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 Adapter Type | B |
| USB Version | 2.0 |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| USB Connector Type | Mini USB 2.0 Type-B |

Configuration Features

| | |
|---------------------|---|
| Number of Ports | 1 |
| Number of Positions | 5 |

Body Features

| | |
|------------------------|--------|
| Shell Plating Material | Nickel |
| Connector Profile | Mini |



Contact Features

| | |
|--|----------------------------------|
| Contact Mating Area Plating Material Thickness | .762 μ m[30 μ in] |
| Contact Mating Area Plating Material | Gold Flash over Palladium Nickel |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 2.84 mm[.112 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|----------------|
| Locking Feature | Without |
| PCB Mount Location | Top |
| PCB Connector Seating | Flush |
| PCB Mount Retention Type | Hold-Down Post |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|----------------|
| Housing Material | PBT GF30 |
| Housing Color | Black |
| Body Orientation | Right Angle |
| Centerline (Pitch) | .8 mm[.031 in] |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|---|
| Soldering Temperature (Max) | 350 $^{\circ}$ C[662 $^{\circ}$ F] |
| Mating Cycles (Max) | 5000 |
| Operating Temperature Range | -55 – 85 $^{\circ}$ C[-67 – 185 $^{\circ}$ F] |

Operation/Application

| | |
|--------------------------|---------------------------------|
| Assembly Process Feature | None |
| Circuit Application | Power, Signal & High Speed Data |

Industry Standards

| | |
|-------------------|---------|
| Industry Standard | USB 2.0 |
| IP Rating | IP20 |

Packaging Features

| | |
|--|--|
| | |
|--|--|



| | |
|--------------------|------------|
| Packaging Quantity | 95 |
| Packaging Method | Box & Tray |

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 2023 (235) 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 | 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>

Compatible Parts

| | | |
|--|---|---|
|  <p>TE Part # 1496476-3 STD USB-A TO MINI-B ASSY 2.0M</p> |  <p>TE Part # 1496476-2 STD USB-A TO MINI-B ASSY 1.5M</p> |  <p>TE Part # 1496476-1 STD USB-A TO MINI-B ASSY, 1M</p> |
|--|---|---|

Also in the Series | Industrial USB IP20



USB Connectors(9)

Customers Also Bought



TE Part #1-316130-5
DYNAMIC D-3200 HDR ASSY 5P H



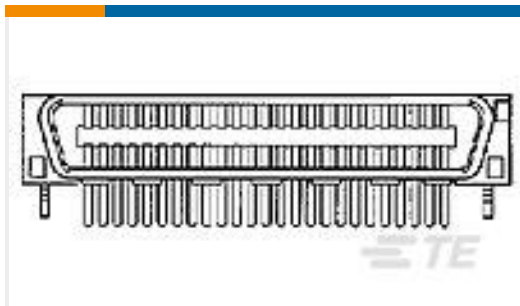
TE Part #5650118-2
CONN SEC II 10 POS 100C/L R/A



TE Part #1903815-1
INDUSTRIAL USB REC ASSY R/A
2ROW



TE Part #2229800-1
D3950 REC 6POS 2ROW MARKED



TE Part #3-5179275-8
CHAMP 050-I PLUG H ASSY 68P



TE Part #1-2176315-6
MELF SMA_A 1K8 0.1% 15PPM 0204
0.4W



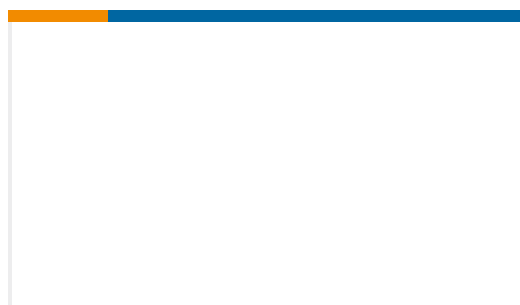
TE Part #2176315-8
MELF SMA_A 390R 0.1% 15PPM 0204
0.4W



TE Part #2-2176315-0
MELF SMA_A 3K9 0.1% 15PPM 0204
0.4W



TE Part #2-2176315-3
MELF SMA_A 6K8 0.1% 15PPM 0204
0.4W



TE Part #1734753-2
MINI USB, TYPE B, VERTICAL, T/H

Documents

Product Drawings

MINI USB B, RCPT, R/A, T/H, PBT, Tray

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2172034-1_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2172034-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2172034-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[1-1773463-4_INDUSTRIAL_USB_CONNECTORS](#)

English

Product Specifications

[Product Specification](#)

English