



Connectors > Audio & Video Connectors > USB Connectors



USB Adapter Type: **A**

USB Version: **2.0**

Connector Profile: **Standard**

Connector & Housing Type: **Receptacle**

Number of Ports: **1**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| USB Adapter Type                  | A                     |
| 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                | USB 2.0 Type-A        |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Ports     | 1 |
| Number of Positions | 4 |

Body Features

|                        |                 |
|------------------------|-----------------|
| Shell Plating Finish   | Bright          |
| Shell Plating Material | Tin over Nickel |
| Connector Profile      | Standard        |



Contact Features

|                                                |                   |
|------------------------------------------------|-------------------|
| Contact Mating Area Plating Material Thickness | .76 µm[29.92 µin] |
| Contact Mating Area Plating Material           | Gold              |
| Contact Underplating Material                  | 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    | Offset      |
| PCB Mount Retention Type | Kinked Legs |
| Connector Mounting Type  | Board Mount |

Housing Features

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
| Housing Color    | Black         |
| Body Orientation | Right Angle   |

Dimensions

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

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Soldering Temperature (Max) | 350 °C[662 °F]            |
| Mating Cycles (Max)         | 1500                      |
| Operating Temperature Range | -55 - 85 °C[-67 - 185 °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 | 70 |
|--------------------|----|



|                  |                  |
|------------------|------------------|
| Packaging Method | Box & Tray, 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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

|                                                                                                                                            |                                                                                                                                             |                                                                                                                                                     |                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 2013798-1<br>INDUSTRIAL USB PLUG CONN KIT | <br>TE Part # 1827525-1<br>MECHATROLINK II CONNECTOR KIT | <br>TE Part # 2083112-3<br>CABLE ASSY IND. USB-IND. USB TYPE A | <br>TE Part # 2083112-4<br>CABLE ASSY IND. USB-IND. USB TYPE A |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|





TE Part # 2083112-2  
CABLE ASSY IND. USB-IND. USB TYPE A



TE Part # 2083112-5  
CABLE ASSY IND. USB-IND. USB TYPE A

Also in the Series | Industrial USB IP20



USB Connectors(9)

Customers Also Bought



TE Part # 5821997-3  
72 ME .050 VERT AU M/L PB-FREE



TE Part # 4-1437646-2  
3PCV-04-006=733004600



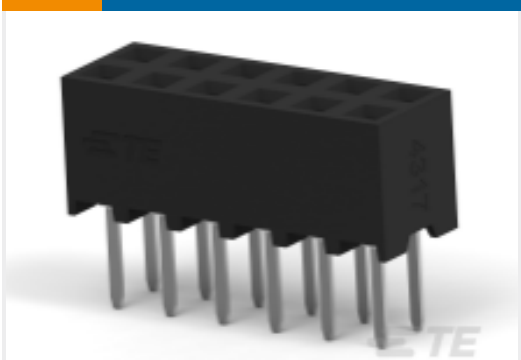
TE Part # 2-2176405-0  
3550 10K 5%



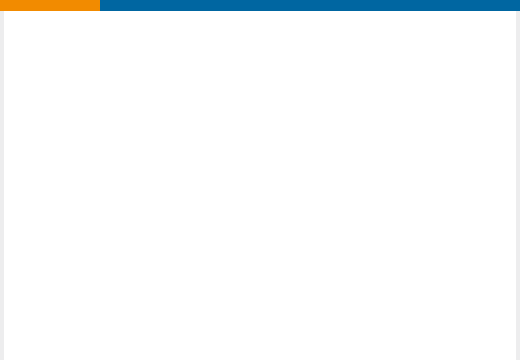
TE Part # 3-6437285-1  
SUPER SEAL 34POS CAP ASSY H AU



TE Part # 3-5175475-5  
CHAMP 050 B/B REC V W/LEG 40P



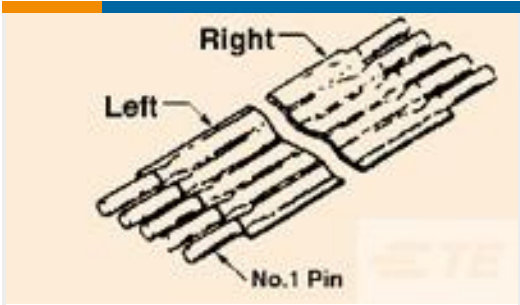
TE Part # 1-2314820-2  
12P,2MM,B-B,REC,DRVT,2.7,0.1AU,TB



TE Part # 1-1734579-7  
MOD-JK,8P8C,SHD Reverse, thick, 30u" Au



TE Part # 3-5917351-8  
CHAMP 050-1 BTB REC ASSY V 68P



TE Part # 9-1447182-8  
FSN-11.5A-25=JUMPER NOMEX



TE Part # 6-1447179-8  
FSA-11.5A-20 (FSN-11.5A-20)



Documents

Product Drawings

INDUSTRIAL USB REC ASSY R/A 1ROW

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1903814-1\_B.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1903814-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1903814-1\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773463-4\_INDUSTRIAL\_USB\_CONNECTORS

English

CONNECTIVITY SOLUTIONS FOR INFOTAINMENT APPLICATIONS

English

Product Specifications

INDUSTRIAL USB REC CONNECTOR APPLICATION SPECIFICATION

Japanese

Application Specification

Japanese