



Connectors > Audio & Video Connectors > USB Connectors



USB Connector 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 Connector Type                | B                     |
| USB Version                       | 2.0                   |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |
| Product Type                      | Connector             |
| LED                               | Without               |

Configuration Features

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

Body Features

|                      |       |
|----------------------|-------|
| Offset               | .8 mm |
| Shell Plating Finish | Matte |
| Connector Profile    | Micro |



|                        |                 |
|------------------------|-----------------|
| Shell Plating Material | Tin over Nickel |
|------------------------|-----------------|

Contact Features

|                                       |                   |
|---------------------------------------|-------------------|
| Contact Current Rating (Max)          | 1.8 A             |
| Contact Mating Area Plating Material  | Gold              |
| Contact Mating Area Plating Thickness | .76 µm[29.52 µin] |

Termination Features

|                                             |               |
|---------------------------------------------|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---------------------------------------------|---------------|

Mechanical Attachment

|                          |               |
|--------------------------|---------------|
| Locking Feature          | Without       |
| Locating Posts           | Without       |
| PCB Mount Location       | Top           |
| PCB Connector Seating    | Offset        |
| PCB Mount Retention Type | SMT Hold-Down |
| Panel Mount Feature Type | Flange        |
| Connector Mounting Type  | Board Mount   |

Housing Features

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

Dimensions

|                             |                            |
|-----------------------------|----------------------------|
| Tail Length                 | .85 mm[.034 in]            |
| 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           |
| Industry Standard          | USB 2.0     |
| UL Flammability Rating     | UL 94V-0    |
| Degree of Protection       | Splashproof |

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Method   | Tape & Reel |
| Packaging Quantity | 1000        |

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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 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 #1-5499160-0  
AMP-LATCH UNIVERSAL HEADERS



TE Part #1744417-3  
3 POS EP 2.5 HSG, GLOW WIRE



TE Part #1-640383-5  
15P MTA156 HDR ASSY STR SQ SN



TE Part #1744423-1  
EP 2.5 RCPT CONTACT, 24-20 AWG



TE Part #1546927-3  
3P .325 TRI-BARRIER W/COVER



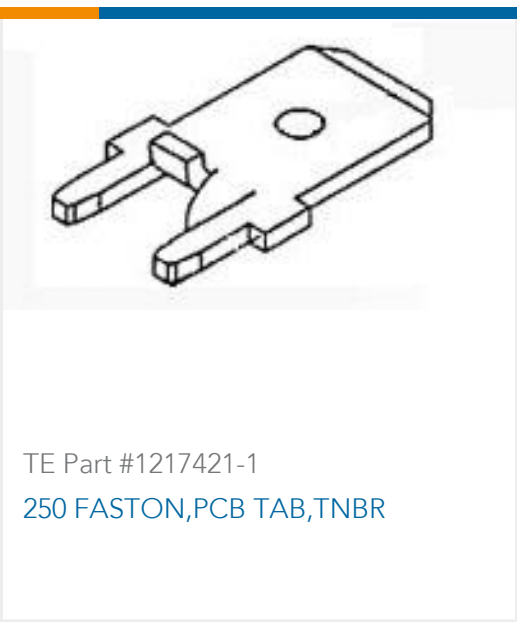
TE Part #T4141412051-000  
M12 Panel Mount PCB



TE Part #104346-2  
04 MODII HDR SRST B/A W/HD



TE Part #1551629-2  
MICRO USB, TYPE A/B,  
SPLASHPROOF



TE Part #1217421-1  
250 FASTON,PCB TAB,TNBR



TE Part #1-1775333-5  
0.5mm FPC Connectors

Documents

Product Drawings  
MICRO USB, TYPE B, SPLASHPROOF  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2173157-2\_A\_c-2173157-2-a.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2173157-2\_A\_c-2173157-2-a.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2173157-2\_A\_c-2173157-2-a.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

Product Environmental Compliance

TE Material Declaration

English