



TE Internal #: 2041517-1  
 USB Connectors, B, 2.0, Mini Profile, Receptacle, 1 Port, Top,  
 Vertical, Tape & Reel, Flush, Through Hole - Solder, Cable-to-  
 Board, 5000, 5 Position

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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	Cable-to-Board
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 Finish	Bright
Shell Plating Material	Tin over Nickel
Connector Profile	Mini

#### Contact Features

Contact Mating Area Plating Material Thickness	.76 $\mu$ m[29.92 $\mu$ in]
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	1 A

#### Termination Features

Termination Post & Tail Length	2 mm[.079 in]
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Termination Method to Printed Circuit Board

Through Hole - Solder

### Mechanical Attachment

Locking Feature	With
PCB Mount Location	Top
PCB Connector Seating	Flush
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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### 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
Circuit Application	Power & Signal

### Industry Standards

Moisture Sensitivity Level	1
Industry Standard	USB 2.0
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	1200
Packaging Method	Tape & Reel

### Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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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 2023 (233) 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

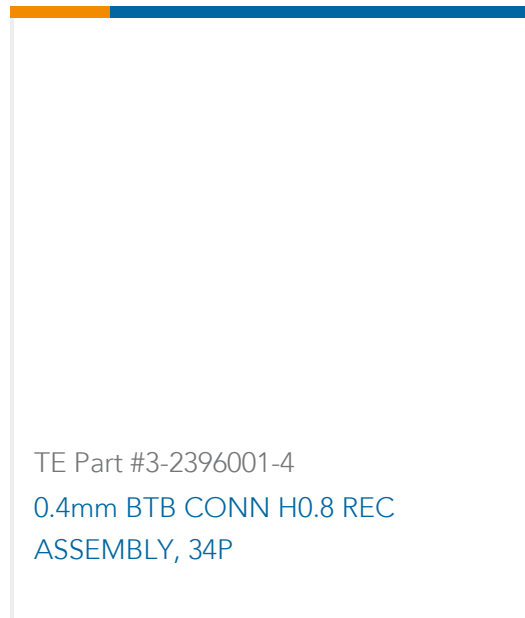
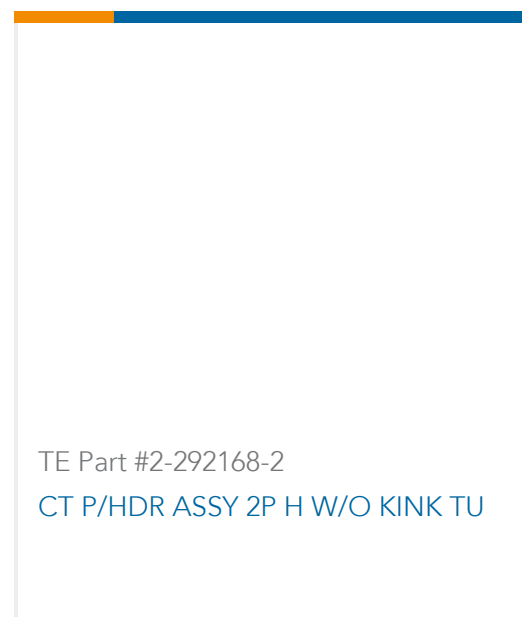
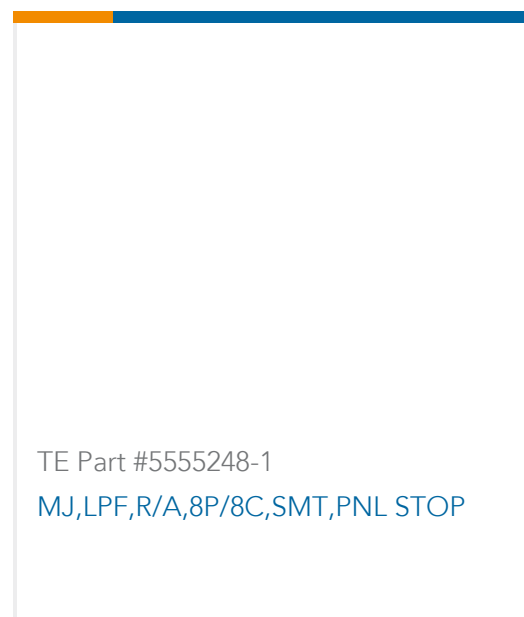
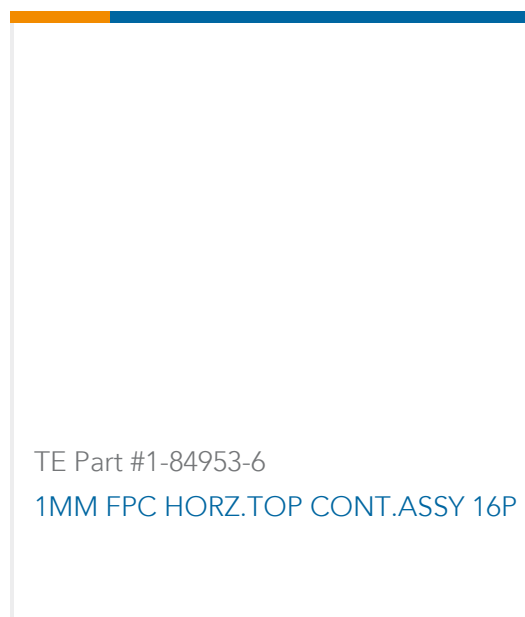
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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
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### Customers Also Bought

TE Part #1-1462039-9 IM42DGR=IM RELAY 100mW 4.5V BIS	TE Part #1-292173-2 CT BOX HDR H SMT 2P O/TAPE NAT	TE Part #292174-8 CT BOX HDR V SMT 8P O/TAPE NAT	TE Part #2-1445100-4 MICRO MNL HDR ASSY S/ROW LF
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## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2041517-1\\_A.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2041517-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2041517-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

Product Specification

English

Product Specification

English

### Product Environmental Compliance

[MD\\_2041517-1\\_07302014635\\_dmtec](#)

English

[MD\\_2041517-1\\_07302014635\\_dmtec](#)

English