

TE Internal #: 2041492-1

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

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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

Industry Standards

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

Dimensions

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

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

Contact Features

Contact Mating Area Plating Material Thickness	.76 μm [29.92 μin]
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Current Rating (Max)	1 A

Termination Features

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

Packaging Features

Packaging Quantity	700
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Packaging Method	Tape & Reel
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Housing Features

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

Mechanical Attachment

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

Body Features

Shell Plating Finish	Matte
Shell Plating Material	Nickel
Offset	0 mm
Connector Profile	Mini

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

Usage Conditions

Soldering Temperature (Max)	260 °C[500 °F]
Mating Cycles (Max)	5000



Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

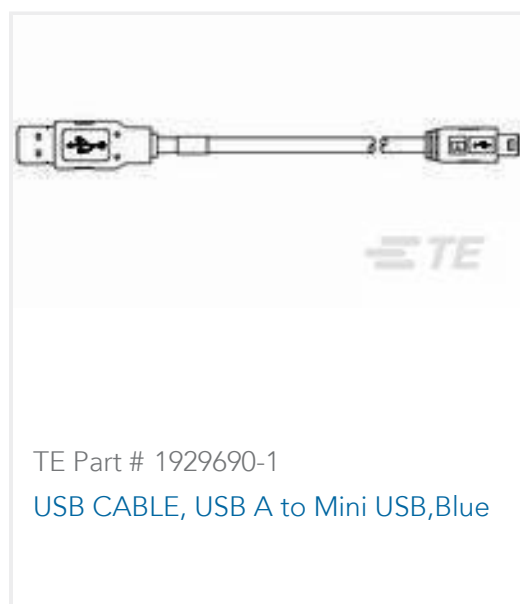
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) Candidate List Declared Against: JAN 2022 (223) 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

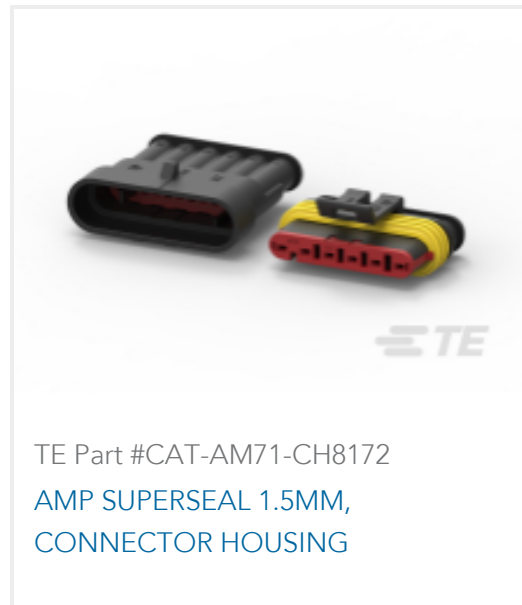
Product Compliance Disclaimer

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>

Compatible Parts



Customers Also Bought



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

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Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English