

1827525-1 ✓ ACTIVE



Industrial USB IP20

TE Internal #: 1827525-1

USB Connectors, A, 2.0, Standard Profile, Plug, 1 Port, Cable Mount, Straight, Box, IP20, Wire-to-Wire, 1500, 4 Position, Industrial USB IP20

[View on TE.com >](#)

Connectors > Audio & Video Connectors > USB Connectors



USB Adapter Type: **A**

USB Version: **2.0**

Connector Profile: **Standard**

Connector & Housing Type: **Plug**

Number of Ports: **1**

Features

Product Type Features

USB Adapter Type	A
USB Version	2.0
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
USB Connector Type	USB 2.0 Type-A

Configuration Features

Number of Ports	1
Number of Positions	4

Body Features

Shell Plating Material	Nickel over Copper
Connector Profile	Standard

Contact Features



Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
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Contact Mating Area Plating Material	Gold
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Contact Current Rating (Max)	1 A
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Mechanical Attachment

Locking Feature	Without
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PCB Mount Location	Cable Mount
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PCB Mount Retention Type	None
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Plastic
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Housing Color	Black
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Body Orientation	Straight
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Usage Conditions

Soldering Temperature (Max)	350 °C[662 °F]
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Mating Cycles (Max)	1500
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Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Assembly Process Feature	None
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Circuit Application	Power, Signal & High Speed Data
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Industry Standards

IP Rating	IP20
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Packaging Features

Packaging Method	Box
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Other

Audio & Video Connector Comment	Latching USB Plug
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUL 2021 (219)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

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 # 5787617-3
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part # 1775690-2
Std USB Type A, VT, T/H, 2.5A



TE Part # 5787617-4
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part # 1-292303-1
Std USB Type A, R/A, SMT



TE Part # 292303-5
Std USB Type A, R/A, T/H, Natural



TE Part # 5787745-5
USB A R/A STAK ASSY THRU HOLE



TE Part # 1734366-3
Std USB Type A, VT, T/H, Blue



TE Part # 5787745-1
USB A R/A STAK ASSY THRU HOLE



Also in the Series | **Industrial USB IP20**



Documents

Product Drawings

MECHATROLINK II CONNECTOR KIT

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_1827525-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1827525-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1827525-1_E.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

Product Specifications

[Application Specification](#)

Japanese

Product Environmental Compliance

[MD_1827525-1_06082016947_dmtec](#)

English

[MD_1827525-1_06082016947_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

Japanese