



Industrial USB IP20

TE Internal #: 2013798-1

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

[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

Operation/Application

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

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Current Rating (Max)	1.5 A

Industry Standards

UL Flammability Rating	UL 94V-0
Industry Standard	USB 2.0
IP Rating	IP20

Packaging Features

Packaging Quantity	1
Packaging Method	Tray



Housing Features

Housing Color	Black
Housing Material	Plastic
Body Orientation	Straight

Mechanical Attachment

Locking Feature	With
PCB Mount Location	Cable Mount
PCB Mount Retention Type	None
Connector Mounting Type	Cable Mount (Free-Hanging)

Body Features

Shell Plating Material	Nickel over Copper
Connector Profile	Standard

Product Type Features

USB Adapter Type	A
USB Version	2.0
Connector & Housing Type	Plug
Connector System	Wire-to-Board
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

Usage Conditions

Soldering Temperature (Max)	350 °C[662 °F]
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

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: JUNE 2024 (241) 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 # 1903741-1
USB SERIES A REC ASSY R/A 1ROW
THRU-HOLE



TE Part # 1903814-1
INDUSTRIAL USB REC ASSY R/A
1ROW

Also in the Series | Industrial USB IP20



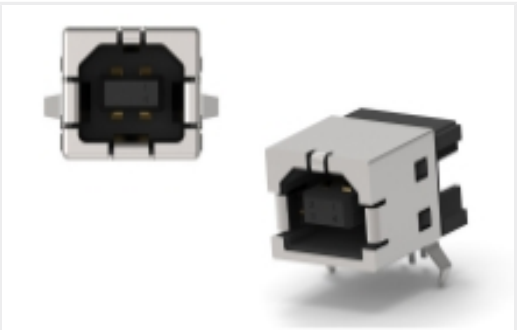
USB Connectors(9)



USB Mini Connectors(1)



USB Type A Connectors(8)



USB Type B Connectors(1)



Customers Also Bought

TE Part #9-1879223-1
CPF 0603 2K43 0.1% 25PPM 1K RL

TE Part #2-1879134-5
RN 0603 17K4 0.1% 10PPM 1K RL

TE Part #9-1676970-9
RN 0603 787R 0.1% 10PPM 1K RL

TE Part #2-1879746-6
RP 1J 10K7 0.1% 15PPM CUT LENGTH

TE Part #6-1879746-6
RP 1J 28K 0.1% 15PPM CUT LENGTH

TE Part #8-1879134-8
RN 0603 78K7 0.1% 10PPM 1K RL

TE Part #1617145-7
JMGAC-26L = M39016/17-036L

TE Part #1634308-1
ASSEMBLY AC PANEL 220V - 240V

TE Part #2385135-1
BACKING PLATE ASSY,HC-STAK35

TE Part #960975-1
BATTERY PACK ASSEMBLY

Documents

Product Drawings
INDUSTRIAL USB PLUG CONN KIT
English

CAD Files
Customer View Model
ENG_CVM_CVM_2013798-1_C.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2013798-1_C.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2013798-1_C.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

USB Quick Reference Guide (English)

English

1-1773463-4_INDUSTRIAL_USB_CONNECTORS

English

Product Specifications

INDUSTRIAL USB PLUG CONNECTOR KIT

Japanese

Application Specification

Japanese