



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

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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-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

Body Features

Shell Plating Material	Nickel over Copper
Connector Profile	Standard

Contact Features



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

Mechanical Attachment

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

Housing Features

Housing Color	Black
Housing Material	Plastic
Body Orientation	Straight

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Quantity	1
Packaging Method	Tray

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1903814-1
INDUSTRIAL USB REC ASSY R/A 1ROW

TE Part # 1903741-1
USB SERIES A REC ASSY R/A 1ROW THRU-HOLE

Also in the Series | Industrial USB IP20

USB Connectors(9)

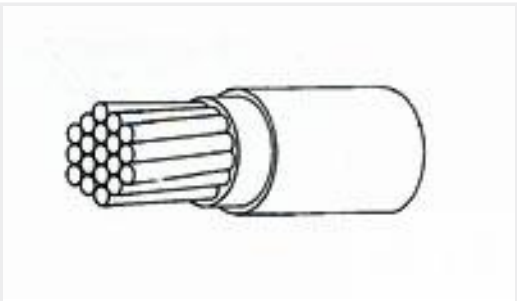
USB Mini Connectors(1)

USB Type A Connectors(8)

USB Type B Connectors(1)

Customers Also Bought

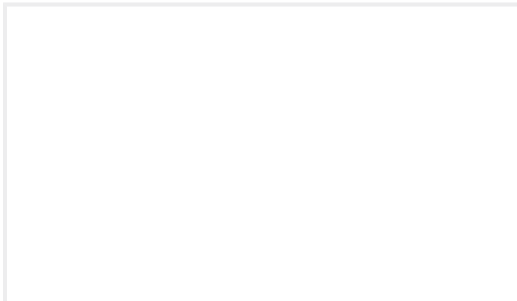




TE Part #184523-000
22759/43-10-9



TE Part #5745175-1
CABLE CLAMP KIT,SZ 5



TE Part #YCTJ-3A-03C0160000
RAIL ASSY



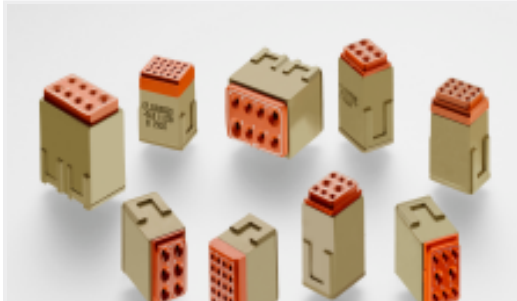
TE Part #504777-000
55A4121-20-9/96-9CS2275



TE Part #2083112-4
CABLE ASSY IND. USB-IND. USB
TYPE A



TE Part #5-1478762-3
Metal backshell 25 way Top Ent



TE Part #YCTJ122E04FC015000
ELEC MODULE



TE Part #1-2176511-7
CJP 600W 33R 5% Lead



TE Part #T4012019041-000
M8,SCREW, FEMALE,R/A,SHIELD,4P,
GOLD



TE Part #6485470001
CM-SCE-1/4-4H-9

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