



Industrial USB IP20

TE Internal #: 2013798-1

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

[View on TE.com >](#)

Connectors > Audio & Video Connectors > USB Connectors



USB Type: A

USB Version: 2.0

Connector Profile: **Standard**

Connector & Housing Type: **Plug**

Number of Ports: 1

Features

Product Type Features

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

Configuration Features

Number of Ports	1
Number of Positions	4

Body Features

Shell Plating Material	Nickel
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Gold (Au)
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Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Contact Current Rating (Max)	1.5 A
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Mechanical Attachment

Locking Feature	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Color	Black
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Housing Material	Plastic
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Body Orientation	Straight
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Usage Conditions

Soldering Temperature (Max)	350 $^{\circ}\text{C}$ [662 $^{\circ}\text{F}$]
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Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power, Signal & High Speed Data
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Industry Standards

UL Flammability Rating	UL 94V-0
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IP Rating	IP20
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Packaging Features

Packaging Quantity	1
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Packaging Method	Tray
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900
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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



Also in the Series | Industrial USB IP20



Customers Also Bought





TE Part #22-0363-031-000
923 RECEPTACLE, ANGLED,
ROTATABLE, SPEEDTEC

TE Part #40-A293-000-P00
923 INSULATION INSERT, 9-PIN

TE Part #960975-1
Valve regulated lead acid (VRLA)
battery

TE Part #2-1393560-9
V42254A 162V 1=SUB D SCHRAUBE

TE Part #1991044-2
Valve regulated lead acid (VRLA)
battery

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