1903815-1 ✔ ACTIVE

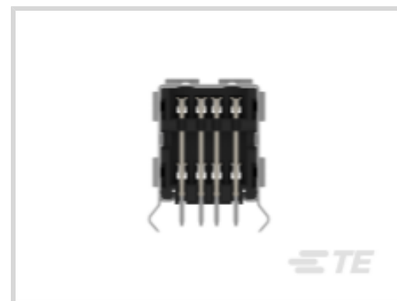
Industrial USB IP20

TE Internal #: 1903815-1

USB Connectors, A, 2.0, Standard Profile, Receptacle, 2 Port, Top, Right Angle, Tray / Box & Tray, IP20, Offset, 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: **Receptacle**

Number of Ports: **2**

Features

Product Type Features

USB Adapter Type	A
USB Version	2.0
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
USB Connector Type	USB 2.0 Type-A

Configuration Features

Number of Ports	2
Number of Positions	4

Body Features

Shell Plating Finish	Bright
Shell Plating Material	Tin over Nickel
Connector Profile	Standard

Contact Features

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

Termination Features

Termination Post & Tail Length	2.84 mm[.112 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Locking Feature	Without
PCB Mount Location	Top
PCB Connector Seating	Offset
PCB Mount Retention Type	Kinked Legs
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Body Orientation	Right Angle

Dimensions

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

Usage Conditions

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

Operation/Application

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

Industry Standards

Industry Standard	USB 2.0
IP Rating	IP20

Packaging Features

Packaging Quantity	70

Packaging Method	Box & Tray, 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: 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	Wave 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

TE Part # 1734372-1
Std USB, Type A, Plug

Also in the Series | Industrial USB IP20

USB Connectors(9)

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1903815-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903815-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903815-1_B.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

CONNECTIVITY SOLUTIONS FOR INFOTAINMENT APPLICATIONS

English

Product Specifications

INDUSTRIAL USB REC CONNECTOR APPLICATION SPECIFICATION

Japanese

Application Specification

Japanese

Product Environmental Compliance

Product Compliance

English

Product Compliance

English