

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] |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 1 A |

Mechanical Attachment

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

Housing Features

| | |
|------------------|----------|
| Housing Material | Plastic |
| Housing Color | Black |
| Body Orientation | Straight |

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

| | |
|-----------|------|
| IP Rating | IP20 |
|-----------|------|

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|---------------------------------|-------------------|
| Audio & Video Connector Comment | Latching USB Plug |
|---------------------------------|-------------------|

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 2023 (235)

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



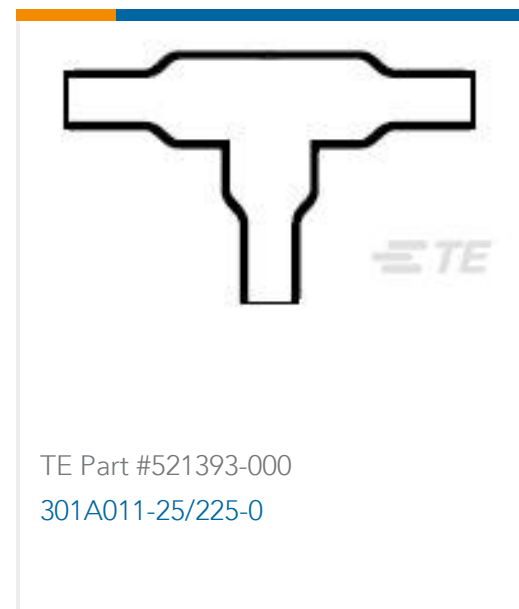
TE Part # 5787745-1
USB A R/A STAK ASSY THRU HOLE



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



Customers Also Bought





TE Part #2069577-1
MINI I/O PLUG CONN KIT(100 PC) D1



TE Part #173716-2
040 HDIO REC CONT



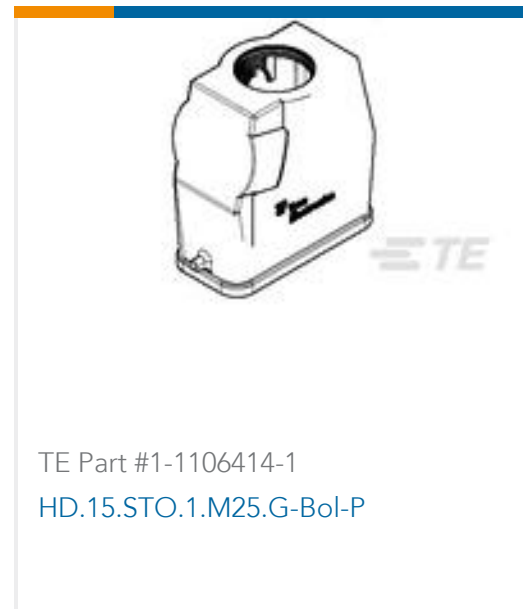
TE Part #YDTS20W25-37PNV001
RECP ASSY



TE Part #AS212-35PA
RECEPT.BOX MNTG.TYPE 2



TE Part #AS212-35SN
RECEPT.BOX MTG. TYPE 2



TE Part #1-1106414-1
HD.15.STO.1.M25.G-Bol-P

Documents

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

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



Instruction Sheets

Instruction Sheet (non U.S.)

Japanese