# 9-176975-1 ✔ ACTIVE

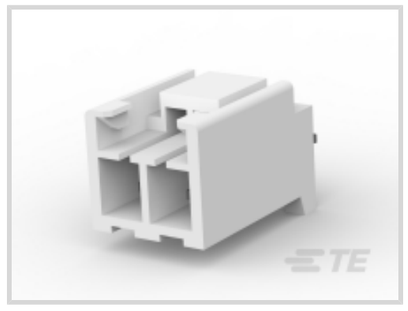
AMP Universal Power

TE Internal #: 9-176975-1

Header, Plug, Wire-to-Board, 2 Position, 3.96 mm [.155 in] Centerline, Printed Circuit Board, AMP Universal Power, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **3.96 mm [ .155 in ]**

## Features

### Product Type Features

| | |
|---|---|
| Header Type | Fully Shrouded |
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 2 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 2 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 VAC |

## Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | Without |
| Contact Type | Tab |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 3.96 mm[.155 in] |
| Housing Color | Natural |
| Housing Material | Nylon 6/6 GF |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 400 |
| Packaging Method | Bag & Box |

# 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 |

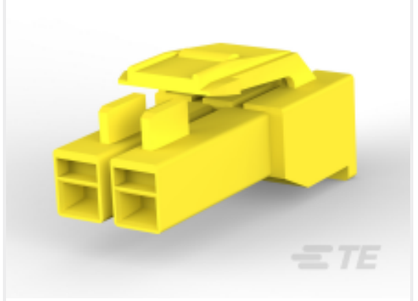
| | |
|---|---|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°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

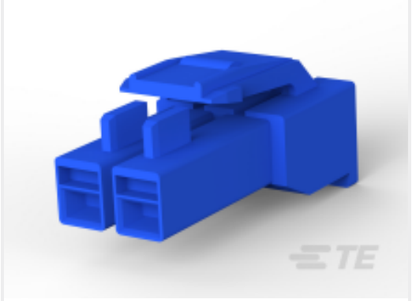
## Compatible Parts

TE Part # 176271-1
AMP UNIVERSAL POWER PLUG 2P

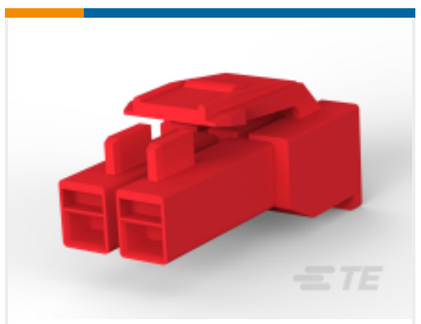


TE Part # 176271-4
AMP UNIVERSAL POWER PLUG 2P

TE Part # 176271-9
AMP UNIVERSAL POWER PLUG 2P



TE Part # 176271-6
AMP UNIVERSAL POWER PLUG 2P



TE Part # 176271-2
AMP UNIVERSAL POWER PLUG 2P

## Also in the Series | AMP Universal Power

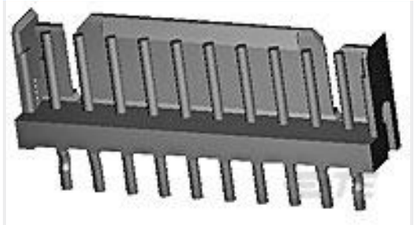
Connector Contacts(22)

Insertion & Extraction Tools(1)

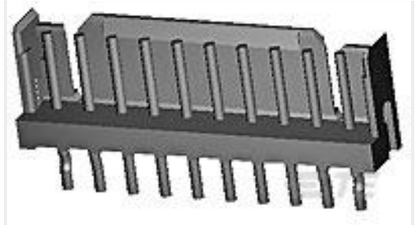
Rectangular Power Connectors(163)

## Customers Also Bought

TE Part #2-353082-2
DYNAMIC D-5200 HDR V ASSY 3P



TE Part #1-292161-2
CT P/HDR ASSY V 12P W/KINK NAT

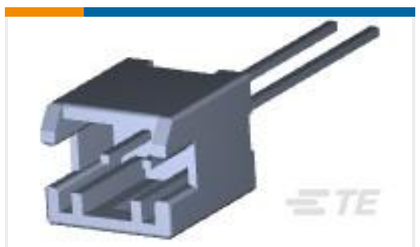


TE Part #292161-7
CT P/HDR ASSY V 7P W/KINK NAT

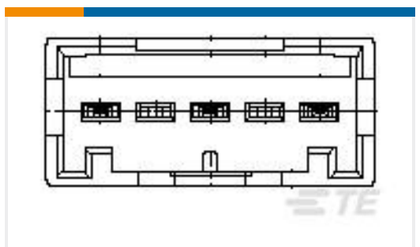
TE Part #179846-6
STD Temp Power Double Lock Header

TE Part #179838-2
AMP POWER D/LOCK T/HDR ASSY 2P

TE Part #3-176976-2
UNIV POWER HDR ASSY 3P RED



TE Part #6-1376492-2
2.5 SMC HDR 2POS RED TAPE



TE Part #2013485-1
GIC 2.5 HDR ASSY TIN VERSION 3/5P

## Documents

### Product Drawings

AMP UNIVERSAL POWER PLG 2P PCB

Japanese

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-176975-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-176975-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-176975-1_F.3d_stp.zip

English

## Product Specifications

### Crimping of Universal Power Contact

English

### Product Specification

Japanese

### AMP Universal Power Connector

Japanese

## Instruction Sheets

### AMP UNIVERSAL POWER CONNECTOR SERIES

English

### Instruction Sheet (non U.S.)

English

## Agency Approvals

### UL Report

English