# 176282-2 ✔ ACTIVE

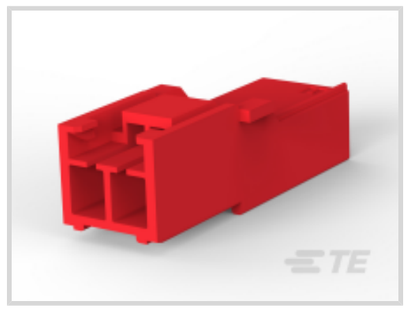
AMP Universal Power

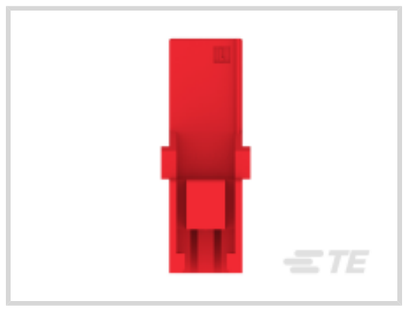
TE Internal #: 176282-2

Housing, Receptacle, Wire-to-Wire, 2 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, AMP Universal Power, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **3.96 mm [ .156 in ]**

## Features

### Product Type Features

| | |
|---|---|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 2 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 300 VAC |

### Contact Features

| | |
|---|---|
| Contact Layout | Inline |

| | |
|---|---|
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | Without |
| Contact Type | Tab |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Alignment | With |
| Panel Mount Feature | Without |
| PCB Mount Retention | With |
| Mating Retention Type | Latch |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color | Red |
| Housing Material | PA 6/6 |

## Dimensions

| | |
|---|---|
| Connector Height | 8.4 mm[.33 in] |
| Product Length | 29 mm[1.14 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1000 |

| | |
|---|---|
| Packaging Method | Bag |

## 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 | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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 # 175153-1
UNIV POWER TAB CONT L/P

TE Part # 175149-1
UNIVERSAL POWER CONN TAB

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

TE Part # 175150-1
UNIVERSAL POWER CONN TAB

TE Part # 175149-2
AMP UNIVE. POWER CONN TAB CONT

TE Part # 175150-2
AMP UNIVE. POWER CONN TAB CONT

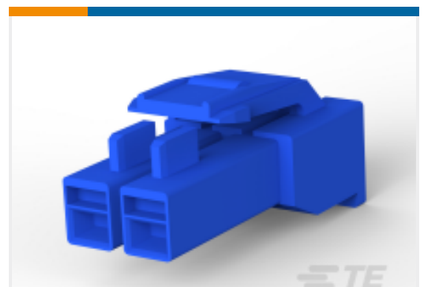
TE Part # 175153-2
U/P TAB CONT L/P

TE Part # 175154-1
UNIV POWER TAB CONT L/P

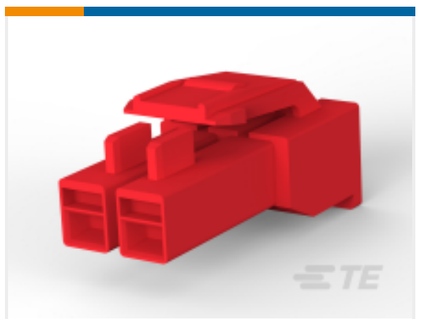
TE Part # 176271-4
AMP UNIVERSAL POWER PLUG 2P

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

TE Part # 175154-2
U/P TAB CONT L/P



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



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

TE Part # 175149-3
AMP UNIVERSAL POWER CONN.TAB C

## Also in the Series | AMP Universal Power

Connector Contacts(22)

Insertion & Extraction Tools(1)

Rectangular Power Connectors(163)

## Customers Also Bought

TE Part #794715-1
09P UMNL CAP HSG NATL,PAN MNT

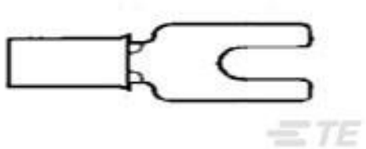
TE Part #52957-3
TERMINAL,PG SPR SPD 16-14 10

TE Part #521955-1
PL MKIII 250 REC HSG 2P NYLON NAT

TE Part #63119-1
POSITIVE LOCK 250 REC 22-18 AWG TPBR

TE Part #63604-1
250 FASTON FLAG REC 18-12 AWG NPST

TE Part #2-322695-2
TERMINAL,SOLIS R HR 16-14 10



TE Part #60124-2
RING CRIMP TAB 26-20 AWG TPBR

TE Part #353148-4
POSITIVE LOCK 187 HOUSING RECEPTACLE

TE Part #2294562-1
UMNL TWIST-N-LOK, 5POS, CAP HOUSING

TE Part #521408-2
ULTRA-POD 110 ASSY REC 22-18 AWG TPBR

## Documents

### Product Drawings

AMP UNIVERSAL POWER CAP 2P

English

### CAD Files

Customer View Model

ENG_CVM_CVM_176282-2_L.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176282-2_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176282-2_L.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### 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