# 175156-2 ✔ ACTIVE

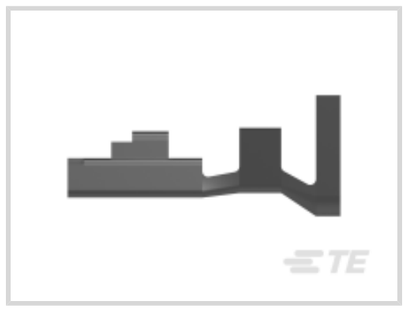
AMP Universal Power

TE Internal #: 175156-2

Tin (Sn), Receptacle Contact, 20 – 16 AWG, 300 VAC / 50 VAC, .5 – 1.42 mm² Wire, Crimp, Brass, Power, -30 – 105 °C [-22 – 221 °F], AMP Universal Power

View on TE.com >

Connectors > Contacts > Connector Contacts




Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **50 VAC, 300 VAC**

Contact Retention Within Housing: **With**

## Features

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 VAC, 300 VAC |

### Contact Features

| | |
|---|---|
| Contact Type | Receptacle |
| Contact Mating Area Plating Material | Tin (Sn) |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Retention Within Housing | With |
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 12 A |
| Mating Tab Width | 1.2 mm[.047 in] |
| Mating Tab Thickness | .64 mm[.025 in] |
| Contact Mating Area Plating Material Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |

### Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

### Mechanical Attachment

| | |
|---|---|
| Wire Insulation Support | Without |

### Dimensions

| | |
|---|---|
| Wire Size | .5 – 1.42 mm² |
| Compatible Insulation Diameter Range | 1.7 – 3.3 mm[.067 – .13 in] |

### Usage Conditions

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

### Operation/Application

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 1000 |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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 # 176274-9
AMP UNIVERSAL POWER PLUG 6P



TE Part # 178482-1
UP 3.96 5P PLUG HSG NATRL



TE Part # 6-178842-1
AMP U/P SGL ROW PLUG HSG 6P



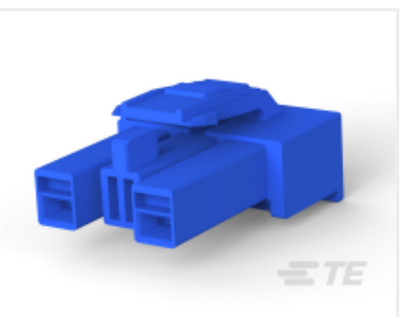
TE Part # 176276-9
AMP UNIVERSAL POWER PLUG 9P



TE Part # 176277-1
UNIV POWER PLUG HSG 10P F/H



TE Part # 176279-1
UNIV POWER PLUG HSG 15P F/H



TE Part # 178125-6
U/POWER PLUG HSG 2P 7.29



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



TE Part # 176274-1
AMP UNIVERSAL POWER PLUG 6P



TE Part # 176274-6
AMP UNIVERSAL POWER PLUG 6P



TE Part # 176270-2
UNIV POWER PLUG HSG 1P F/H



TE Part # 176272-9
AMP UNIVERSAL POWER PLUG 3P



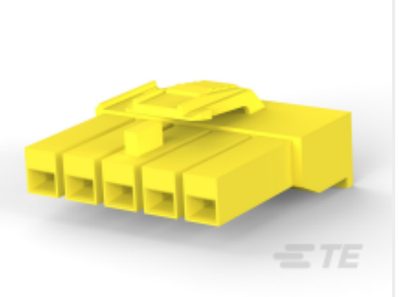
TE Part # 4-178842-1
AMP U/P SGL ROW PLUG HSG 4P



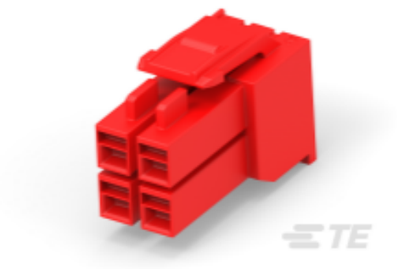
TE Part # 176275-9
UNIV POWRE PLUG HSG 8P F/H



TE Part # 4-178842-4
AMP U/P SGL ROW PLUG HSG 4P

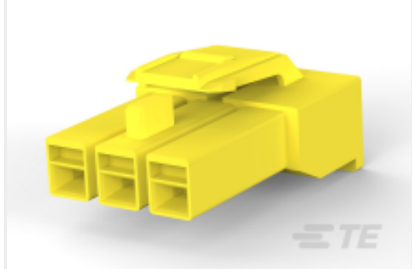


TE Part # 178482-4
UP 3.96 5P PLUG HSG YELLOW



TE Part # 176273-2
AMP UNIVERESAL POWER PLUG 4P

TE Part # 1213783-1
CCII UNVRLS POWER CON REC 26-16 ASSY



TE Part # 176272-4
AMP UNIVERSAL POWER PLUG 3P



TE Part # 176270-1
UNIV POWER PLUG HSG 1P F/H

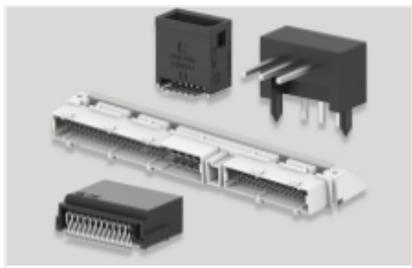
## Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



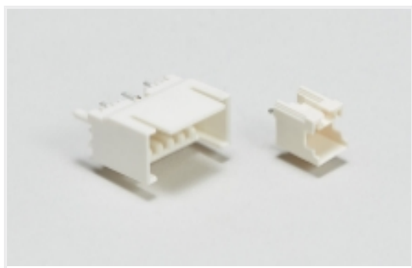
Power Contacts(21)



Rectangular Power Connectors(163)



Wire-to-Board Connector Assemblies & Housings(13)



Wire-to-Board Headers & Receptacles (51)

## Customers Also Bought



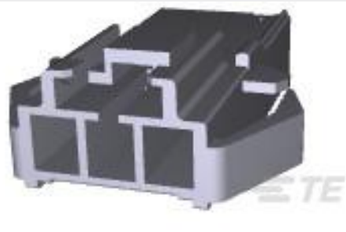
TE Part #175154-1
UNIV POWER TAB CONT L/P



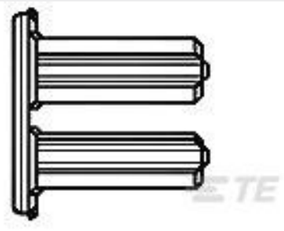
TE Part #1-175218-5
DYNAMIC D-3 REC CONT. L PRE-TIN L/P



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



TE Part #176293-4
UNIV POWER CAP HSG 3P P/MOUNT



TE Part #968271-1
2. KONT-SICHERUNG 6P



TE Part #3-1318120-3
DYNAMIC D-2 REC HSG 3P Z-KEY



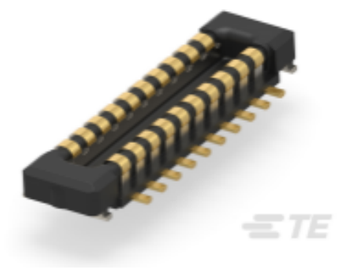
TE Part #2119142-1
CCII D1000 2L REC TAB 22-18 ASSY



TE Part #2119144-1
CCII D1000 S REC TAB CONT 30-28 ASSY



TE Part #8-2176416-2
9W STD M/OX 5% 120K



TE Part #2-2363962-0
0.4mm BTB CONN H0.8 PLUG ASSEMBLY, 20P

## Documents

### Product Drawings

U/P REC CONT L/P

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175156-2_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175156-2_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175156-2_R.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

Extraction Tool for UP(913923-1)

English

Instruction Sheet (non U.S.)

English

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Hand Tool, PN 914181-1, Universal Power Contact (Was IS-505J)

Japanese

Instruction Sheet (non U.S.)

English

## Agency Approvals

TUV Certificate

English