# 175156-1 ✔ ACTIVE

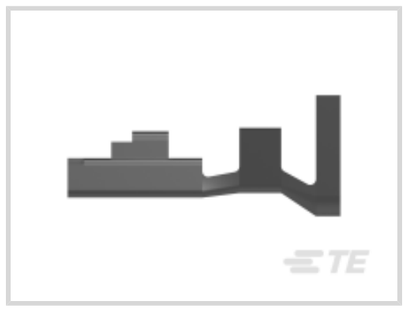
AMP Universal Power

TE Internal #: 175156-1

Receptacle Contact, Tin, 50 VAC / 300 VAC, Locking Lance Contact Retention, 20 - 16 AWG Wire Size, .5 - 1.42 mm² Wire Size, Crimp, AMP Universal Power

View on TE.com >

Connectors > Contacts > Connector Contacts




Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin**

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

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

Contact Retention Within Housing: **With**

## Features

### Product Type Features

| | |
|---|---|
| Discrete Wire Type | Stranded |

### Electrical Characteristics

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

### Contact Features

| | |
|---|---|
| Mating Tab Width | 1.2 mm[.047 in] |
| Mating Tab Thickness | .64 mm[.025 in] |
| Wire Contact Termination Area Plating Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .8 µm[31.49 µin] |
| Contact Orientation | Straight |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material | Tin |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Retention Within Housing | With |

| | |
|---|---|
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 12 A |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Wire Insulation Support | Without |
| Contact Retention Type Within Housing | Locking Lance |

## Dimensions

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

## 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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 # 176280-1
UNIV POWER PLUG HSG 18P F/H



TE Part # 176280-9
UNIV POWER PLUG HSG 18P F/H



TE Part # 176275-1
UNIV POWER PLUG HSG 8P F/H



TE Part # 176276-1
AMP UNIVERSAL POWER PLUG 9P



TE Part # 176278-9
UNIV POWER PLUG HSG 12P F/H



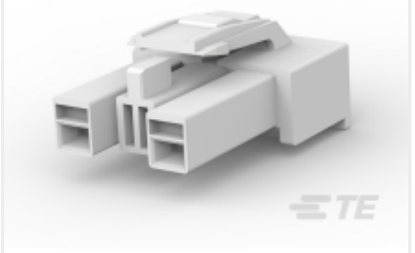
TE Part # 178481-1
UP 3.96 4P PLUG HSG NATRL



TE Part # 178483-1
UP 3.96 6P PLUG HSG NATRL



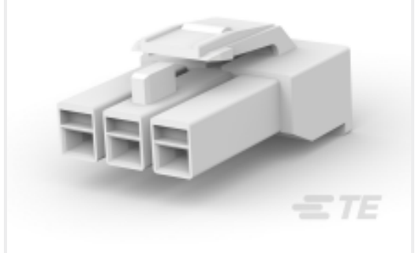
TE Part # 178482-1
UP 3.96 5P PLUG HSG NATRL



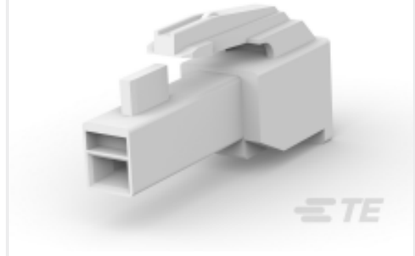
TE Part # 178125-1
U/POWER PLUG HSG 2P 7.92M/M



TE Part # 176273-1
AMP UNIVERSAL POWR PLUG 4P



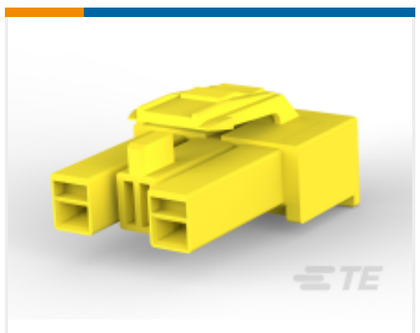
TE Part # 176272-1
AMP UNIVERSAL POWER PLUG 3P



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



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



TE Part # 178125-4
U/POWER PLUG HSG 2P 7.29MM



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



TE Part # 176279-9
UNIV POWER PLUG HSG 15P F/H



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



TE Part # 913923-1
EXTRACTON TOOL FOR 175150



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



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

## Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(163)

## Customers Also Bought



TE Part # 1-917807-3
DYNAMIC D-5200M REC HSG 6P X-X



TE Part # 176299-1
UNVI POWER CAP HSG 12P PNL MTG



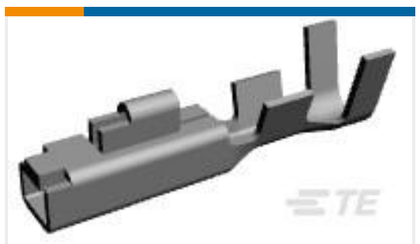
TE Part # 176295-1
UNIV POWER CAP HSG 6P P/MOUNT



TE Part # 176286-1
UNIV POWER CAP HSG 8P F/H



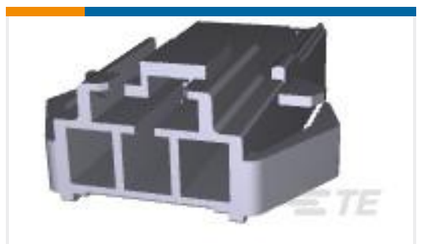
TE Part # 176284-1
AMP UNIVERSAL POWER CAP 4P



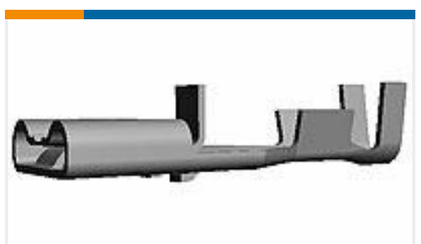
TE Part # 175151-1
AMP UNIVERSAL POWER REC CONT.



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



TE Part # 176293-1
UNIV POWER CAP HSG 3P P/MOUNT



TE Part # 170334-1
250 PL MIII,REC.,18-14 AWG,PTBR

# Documents

## Product Drawings

UNIV POWER REC CONT L/P

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_175156-1_R.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_175156-1_R.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_175156-1_R.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof 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