# 176270-1 ✔ ACTIVE

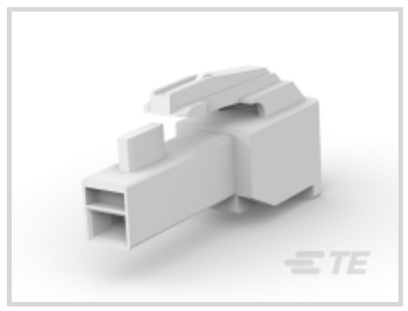
AMP Universal Power

TE Internal #: 176270-1

1 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in] Centerline, 1 Row, 300 VAC, Wire & Cable, AMP Universal Power

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

## Features

### Product Type Features

| | |
|---|---|
| Connector Product Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 1 |
| Number of Rows | 1 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Primary Product Color | Natural |

### Contact Features

| | |
|---|---|
| Contact Retention Within Housing | Without |
| Contact Type | Receptacle |

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

| | |
|---|---|
| Connector Height | 10.05 mm |
| Connector Length | 5.5 mm |

### 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 | 2000 |
| 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 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

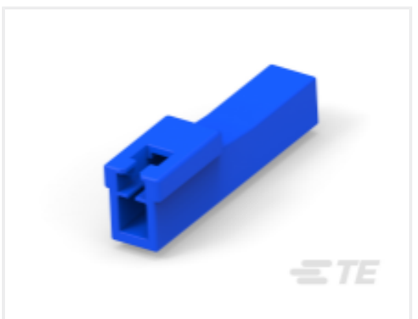
## Compatible Parts



TE Part # 176281-1
UNIV POWER CAP HSG 1P F/H



TE Part # 175155-1
UNIV POWER REC CONT L/P



TE Part # 176281-6
UNIV POWER CAP HSG 1P F/H



TE Part # 176281-3
UP, FREE HANGING CAP HSG 1POS



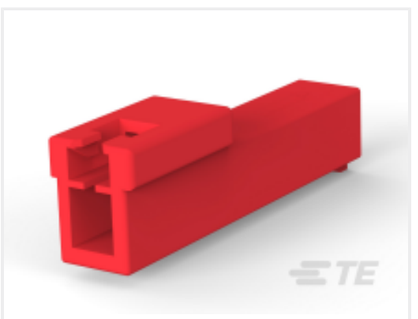
TE Part # 175151-1
AMP UNIVERSAL POWER REC CONT.



TE Part # 175151-5
AMP UNIVERSAL POWER CONN.REC C



TE Part # 175151-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 176281-2
UNIV POWER CAP HSG 1P F/H

TE Part # 176281-8
UP, FREE HANGING CAP HSG 1POS



TE Part # 175152-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 175155-2
U/P REC CONT L/P



TE Part # 175152-3
UNIV POWER REC CONT



TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16

TE Part # 176281-5
UP, FREE HANGING CAP HSG 1POS

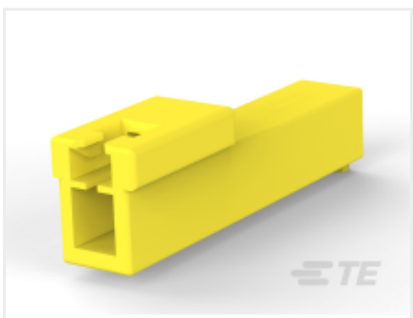
TE Part # 176281-7
UP, FREE HANGING CAP HSG 1POS



TE Part # 175151-4
UNIVESAL POWER REC CONT #26-22



TE Part # 175156-1
UNIV POWER REC CONT L/P



TE Part # 176281-4
UNIV POWER CAP HSG 1P F/H

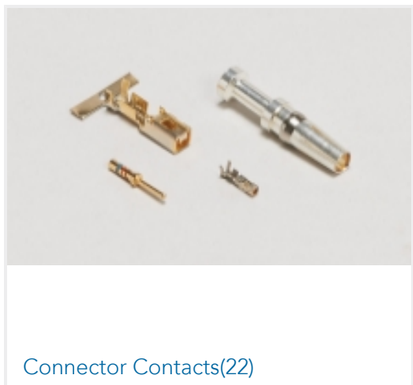


TE Part # 175156-2
U/P REC CONT L/P



TE Part # 175152-1
UNIVERSAL POWER REC

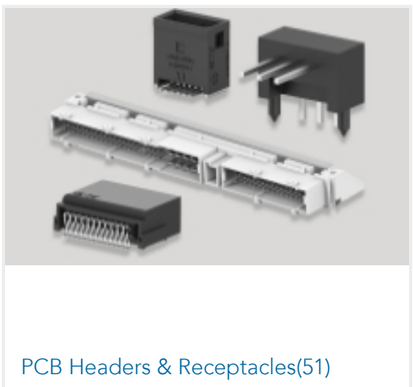
## Also in the Series | AMP Universal Power



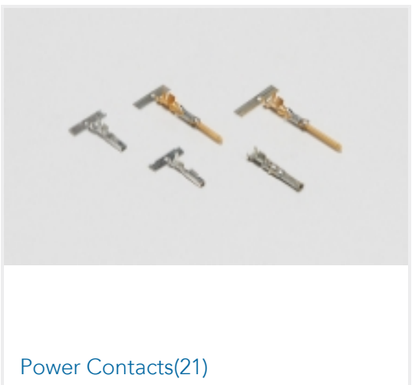
Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



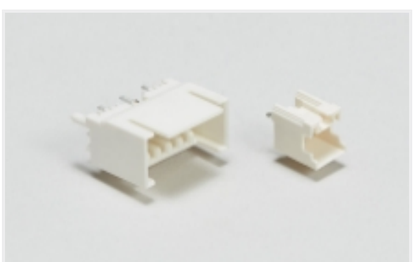
Power Contacts(21)



Rectangular Power Connectors(163)



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



Wire-to-Board Headers & Receptacles (51)

## Customers Also Bought



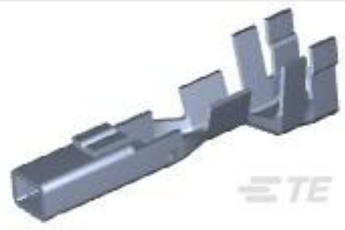
TE Part #1-172157-2
2CIR MINI U-M-N-L CAP RED



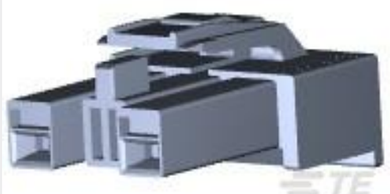
TE Part #175152-1
UNIVERSAL POWER REC



TE Part #CAT-P87024-P729
STD Temp Power Double Lock Plug



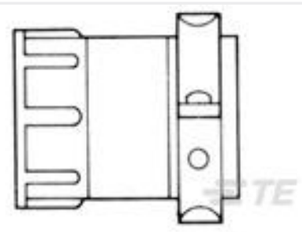
TE Part #177914-2
AMP POWER DBL LOCK REC (S)



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



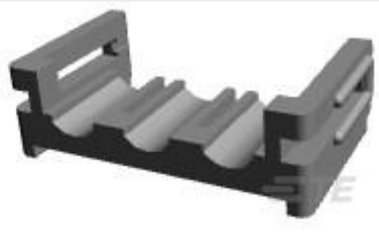
TE Part #179955-3
DYNAMIC D-5 REC CONT. S FORM.



TE Part #206322-6
CABLE CLAMP KIT,BULK PKG



TE Part #1-1565082-2
GRACE INERTIA CONNECTOR 3.5 3P



TE Part #5-1565090-1
GIC 3.5 3P DBL LOCK PLATE PBT (BLACK)

## Documents

### Product Drawings

UNIV POWER PLUG HSG 1P F/H

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176270-1_E1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176270-1_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176270-1_E1.3d_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