

176271-1 ✓ ACTIVE

AMP Universal Power

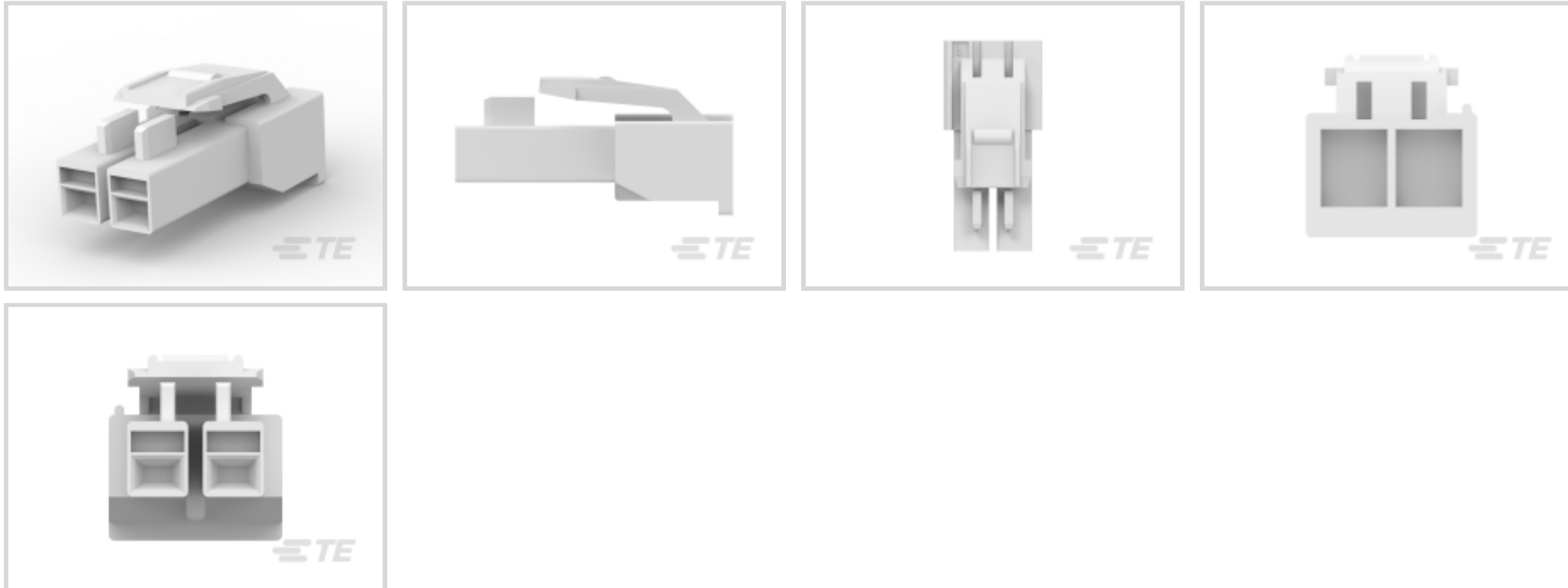
TE Internal #: 176271-1

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

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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          | Plug         |
| 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 Retention Within Housing | Without |
|----------------------------------|---------|

|              |            |
|--------------|------------|
| Contact Type | Receptacle |
|--------------|------------|

### Termination Features

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

### Mechanical Attachment

|               |         |
|---------------|---------|
| Strain Relief | Without |
|---------------|---------|

|                       |              |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

|                  |      |
|------------------|------|
| Mating Retention | With |
|------------------|------|

|                  |         |
|------------------|---------|
| Mating Alignment | Without |
|------------------|---------|

|                     |         |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

|                     |         |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

|                       |       |
|-----------------------|-------|
| Mating Retention Type | Latch |
|-----------------------|-------|

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

|                    |                   |
|--------------------|-------------------|
| Centerline (Pitch) | 3.96 mm [.156 in] |
|--------------------|-------------------|

|               |         |
|---------------|---------|
| Housing Color | Natural |
|---------------|---------|

|                  |        |
|------------------|--------|
| Housing Material | PA 6/6 |
|------------------|--------|

### Dimensions

|                  |          |
|------------------|----------|
| Connector Height | 10.05 mm |
|------------------|----------|

|                |         |
|----------------|---------|
| Product Length | 9.06 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 | 1000 |
|--------------------|------|

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

## Product Compliance


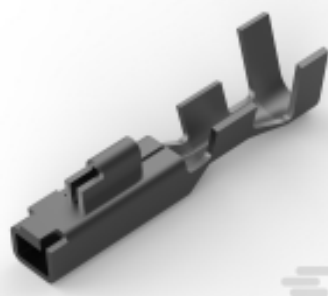

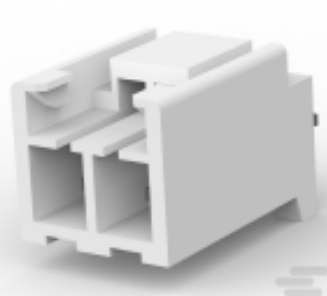
[For compliance documentation, visit the product page on TE.com>](#)

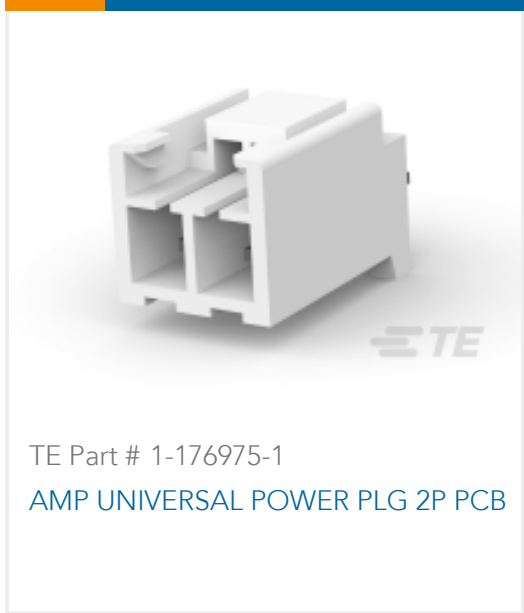
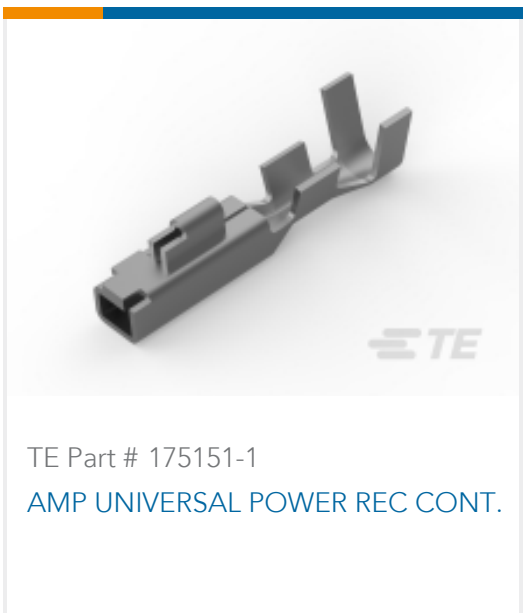
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | 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

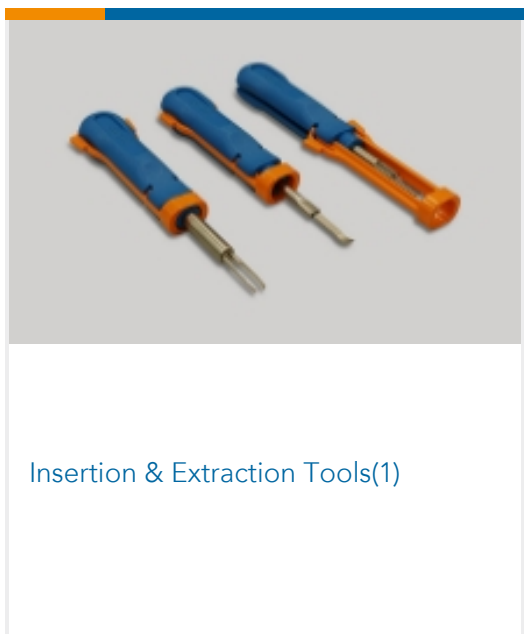
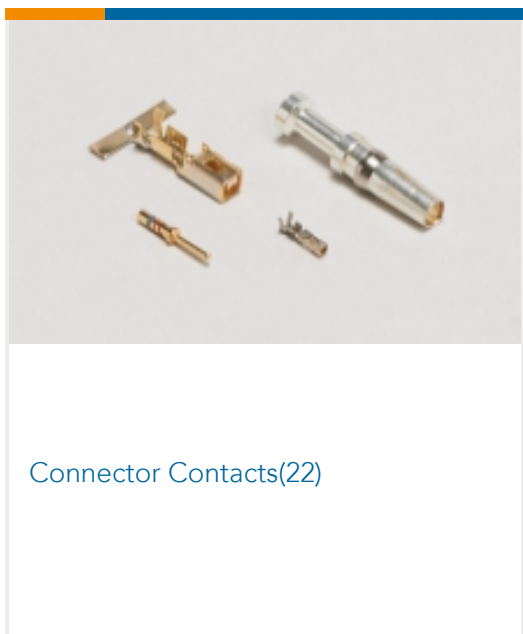
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

|  |   |  |  |
|--|---|--|--|
|  <p>TE Part # 175156-2<br/>U/P REC CONT L/P</p> |  <p>TE Part # 175155-1<br/>UNIV POWER REC CONT L/P</p> |  <p>TE Part # 178495-1<br/>UP 3.96 2P DIP HDR NAT</p> |  <p>TE Part # 9-176975-1<br/>AMP UNIVERSAL POWER PLG 2P PCB</p> |
|--|---|--|--|



Also in the Series | AMP Universal Power



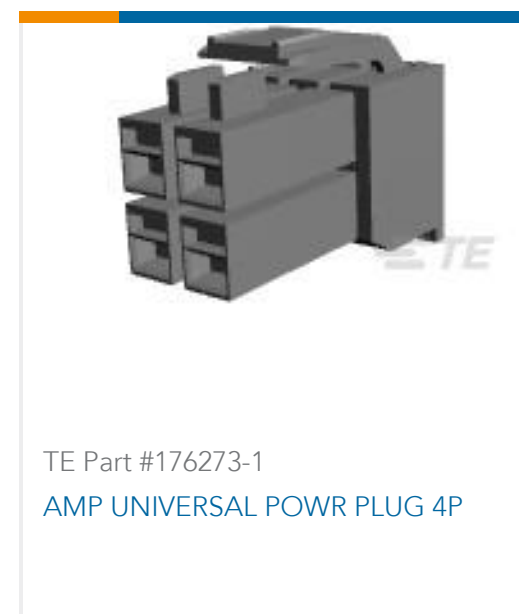
Customers Also Bought



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



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



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



TE Part #176283-1  
AMP UNIVERSA POWR CAP 3P



TE Part #175152-1  
UNIVERSAL POWER REC



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



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



TE Part #1-292228-2  
1.5 MINI CT SGL H SMT W/O BOSS

## Documents

### Product Drawings

#### AMP UNIVERSAL POWER PLUG 2P

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176271-1\\_H.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176271-1\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176271-1\\_H.3d\\_stp.zip](#)

English

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### 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

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### Agency Approvals

#### UL Report

English