

1604398-4 ✓ ACTIVE



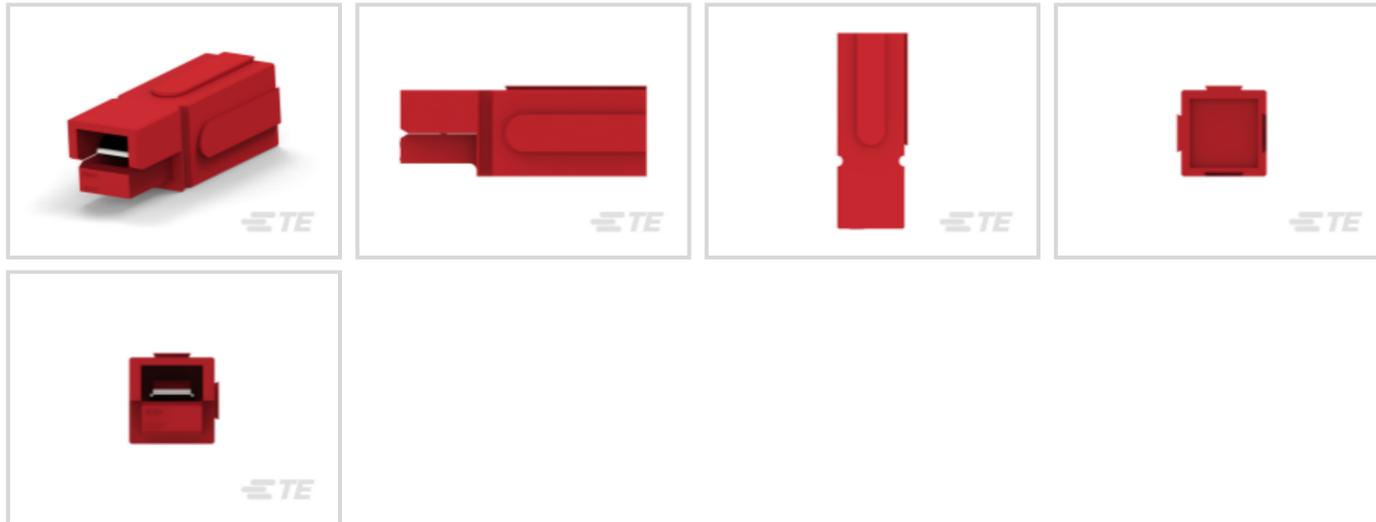
AMP Power Series - 180

TE Internal #: 1604398-4

Rectangular Power Connectors, Connector Assembly, Receptacle / Plug, Wire-to-Wire, 2 Position, Wire & Cable, UL 94V-0, AMP Power Series - 180

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Plug, Receptacle**

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

Number of Positions: **2**

Sealable: **No**

### Features

#### Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Assembly Requirement              | Unassembled Kit    |
| Rectangular Power Connector Type  | Connector Assembly |
| Connector & Housing Type          | Plug, 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 | 600 VDC |
|-------------------|---------|

#### Contact Features



|  |                 |
|--|-----------------|
| Contact Current Rating (Max)                   | 180 A           |
| Contact Retention Within Housing               | Without         |
| Contact Type                                   | Blade           |
| Wire Contact Termination Area Plating Material | Silver          |
| Contact Mating Area Plating Material           | Silver          |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

|                  |               |
|------------------|---------------|
| Housing Color    | Red           |
| Housing Material | Polycarbonate |

### Dimensions

|           |                    |
|-----------|--------------------|
| Wire Size | 78941 – 118412 CMA |
| Height    | 28.25 mm[1.112 in] |
| Length    | 82.6 mm[3.25 in]   |
| Width     | 28.56 mm[1.12 in]  |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |
|-----------------------------|---------------------------|

### Operation/Application

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

### Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| UL Rating              | Recognized                    |
| Agency/Standard Number | E28476                        |



|                 |    |
|-----------------|----|
| Agency/Standard | UL |
|-----------------|----|

**Packaging Features**

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

**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                   | Not Yet Reviewed   |
| 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 2022 (224)<br>Not Yet Reviewed |
| Halogen Content                               | Not Yet Reviewed for halogen content                             |
| Solder Process Capability                     | Not reviewed 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>

**Also in the Series | AMP Power Series - 180**



**Documents**

[Product Drawings](#)  
[KIT,180A,1/0 AWG,RED](#)



English

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**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1604398-4\\_P.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1604398-4\\_P.3d\\_igs.zip](#)

English

**Customer View Model**

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English

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**Datasheets & Catalog Pages**

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

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**Product Specifications**

[Application Specification](#)

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