# 1604042-3 ✔ ACTIVE

AMP Power Series - 175

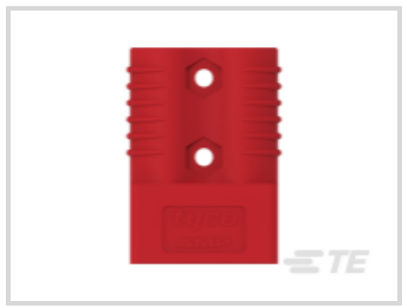
TE Internal #: 1604042-3

Connector Assembly, Plug / Receptacle, Wire-to-Wire, 2 Position, 19.06 mm [.75 in] Centerline, AMP Power Series - 175, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Connector Assembly**

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

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

## Features

### Other

| | |
|---|---|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

### Product Type Features

| | |
|---|---|
| Compatible With Discrete Wire Type | Stranded |
| Assembly Requirement | Unassembled Kit |
| Rectangular Power Connector Type | Connector Assembly |
| Connector & Housing Type | Receptacle, 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 | 600 VDC |

## Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material | Silver |
| Contact Current Rating (Max) | 175 A |
| Contact Retention Within Housing | Without |
| Contact Type | Blade |
| Wire Contact Termination Area Plating Material | Silver |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |

## Termination Features

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

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 19.06 mm[.75 in] |
| Housing Color | Red |
| Housing Material | Polycarbonate |

## Dimensions

| | |
|---|---|
| Product Width | 53.5 mm[2.11 in] |
| Product Length | 78.2 mm[3.08 in] |
| Connector Height | 25.4 mm[1 in] |
| Wire Size | 98676 – 118412 CMA |

## Usage Conditions

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

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

## Packaging Features

| | |
|---|---|
| Packaging Method | 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 2024 (241)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 # 1604038-1
CONTACT,175A/180A,1/0 AWG,L/P

## Also in the Series | AMP Power Series - 175



Connector Strain Relief(1)



Rectangular Power Connectors(11)

## Customers Also Bought



TE Part #1-175218-2
DYNAMIC D-3 REC CONT. L AU 0.38 L /P



TE Part #206426-1
CPC PLUG ASSEMBLY SIZE 17-3



TE Part #206226-1
CPC PLUG ASSEMBLY SIZE 23-7



TE Part #208489-1
CMC RECEPTACLE ASSY,SIZE 22



TE Part #206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part #66261-4
MALE CONTACT ASSY. (L.P.)



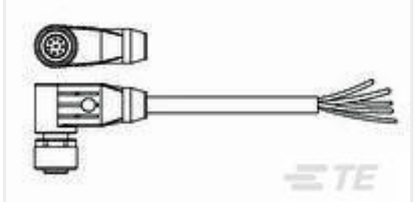
TE Part #66361-3
III+ PIN,18-14,15AU/FL,LP



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #1604042-4
KIT,175A,1/0 AWG,GRAY



TE Part #2273095-1
M12 x 1.0 angled socket pigt A

# Documents

## Product Drawings

KIT,175A,1/0 AWG,RED

English

## CAD Files

### Customer View Model

ENG_CVM_1604042-3_O.3d_igs.zip

English

### Customer View Model

ENG_CVM_1604042-3_O.3d_stp.zip

English

### Customer View Model

ENG_CVM_1604042-3_O.2d_dxf.zip

English

### 3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

## Product Specifications

### Application Specification

English