1604398-4 ✔ ACTIVE

AMP Power Series - 180

TE Internal #: 1604398-4

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

View on TE.com >

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	Pin, Socket
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: JAN 2021 (211) 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

Compatible Parts



TE Part # 1604062-4
180A HOUSING SUB-ASSY,RED

Also in the Series | AMP Power Series - 180

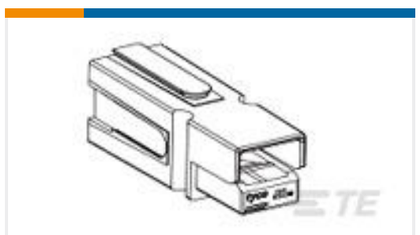


Rectangular Power Connectors(9)

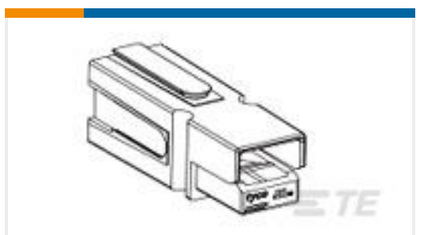
Customers Also Bought



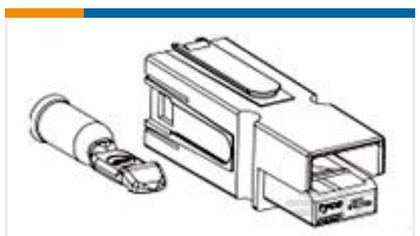
TE Part #1-794616-4
FREE HANG DBL ROW HSG 14 POS



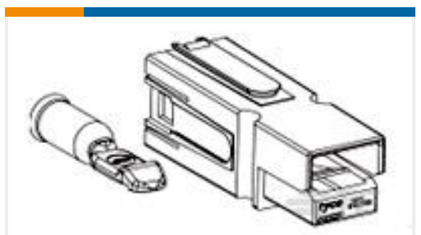
TE Part #1445715-3
75A HSG SUBASY WHITE



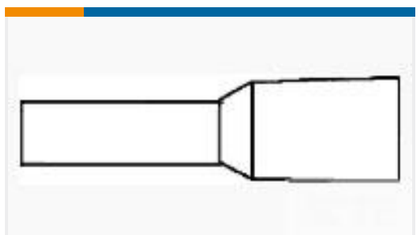
TE Part #1445715-4
75A HSG SUBASY GREEN



TE Part #1445716-6
KIT 6AWG BLUE W/LOCK



TE Part #1445716-9
KIT 6AWG GREEN W/LOCK



TE Part #1-966066-5
ADERENDHUELSE L GN



TE Part #1-2176391-5
RQ 1206 17K4 0.1% 10PPM 5K RL



TE Part #1-1879351-1
RR01 5% 7K5 AMMO

TE Part #YDTS24F13-35JNV001
D38999: Jam Nut, 13-35 Insert

TE Part #1-5111374-0
AMP-LATCH UNIVERSAL HEADERS

Documents

Product Drawings

KIT,180A,1/0 AWG,RED

English

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

ENG_CVM_CVM_1604398-4_P.3d_stp.zip

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

Product Specifications

Application Specification

English

Application Specification

English