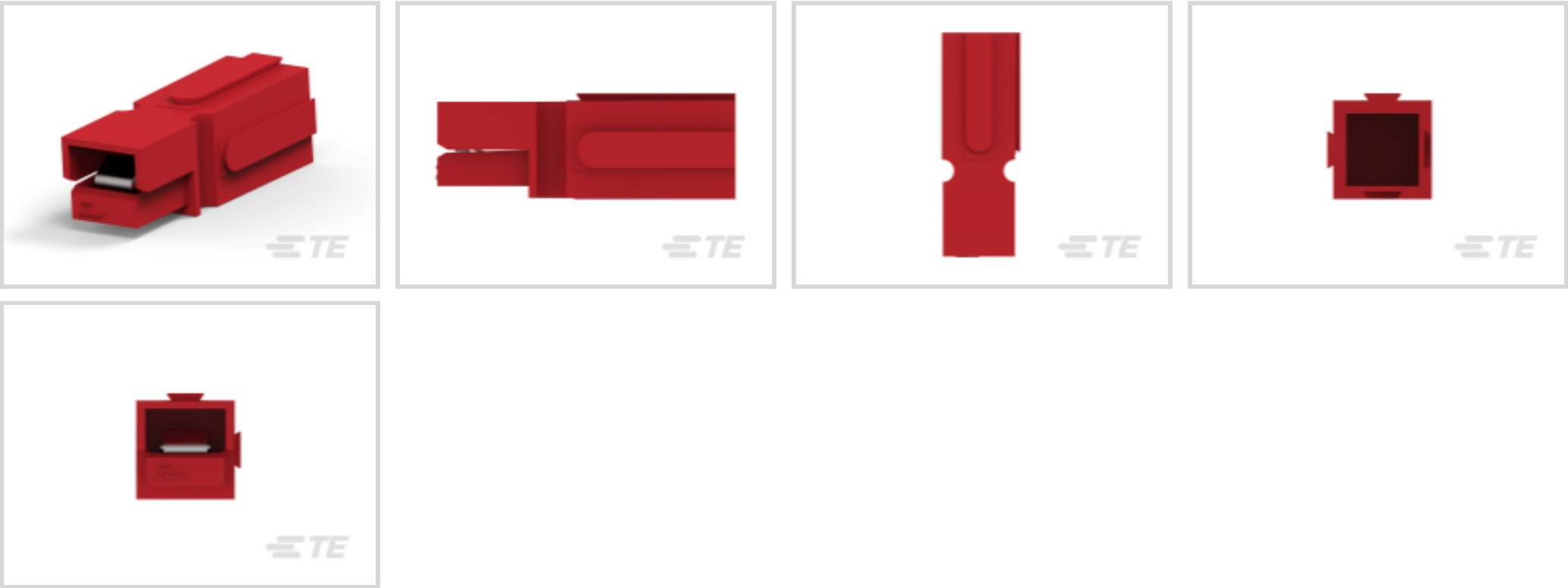




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Connector Assembly**

Housing Type: **Plug/Receptacle**

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

Number of Positions: **1**

Sealable: **No**

Features

Product Type Features

Assembly or Kit	Kit
Product Type	Connector Assembly
Housing Type	Plug/Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Contact Type	Pin/Socket

Configuration Features

Number of Positions	1
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Current Rating (Max)	75 A
Contact Retention	Without

KIT 6AWG RED

TE Part # 1445716-5
TE Internal #: 1445716-5



Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating 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	Without

Housing Features

UL Flammability Rating	UL 94V-0
Housing Color	Red
Housing Material	Polycarbonate

Dimensions

Wire Size	25656 – 27629 CMA
Height	17.15 mm[.675 in]
Length	48 mm[1.89 in]
Width	17.15 mm[.675 in]

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard Number	E28476
Agency/Standard	UL

Packaging Features

Packaging Method	Bag
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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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） SvHCs候选清单的声明更新至: 2019年1月（197）
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 647877-1
SERIES 50 & 75 CONTACT,
6 AWG

Also in the Series | AMP Power Series - 75

KIT 6AWG RED

TE Part # 1445716-5
TE Internal #: 1445716-5

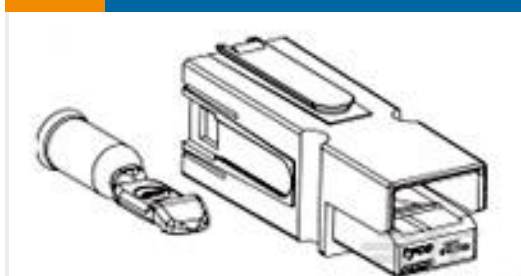


Rectangular Power
Connectors(18)

Customers Also Bought



TE Part #1445716-2
KIT 6AWG BLACK



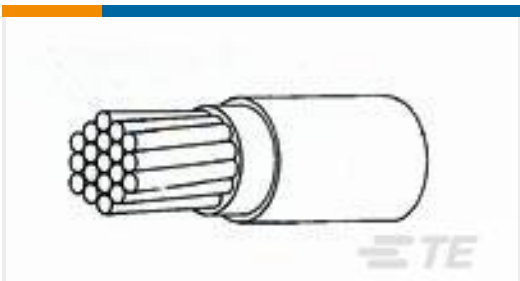
TE Part #1445716-7
KIT 6AWG BLACK W/LOCK



TE Part #1744041-1
L/P CONTACT,12-16AWG



TE Part #1744042-1
L/P CONTACT,16-20AWG



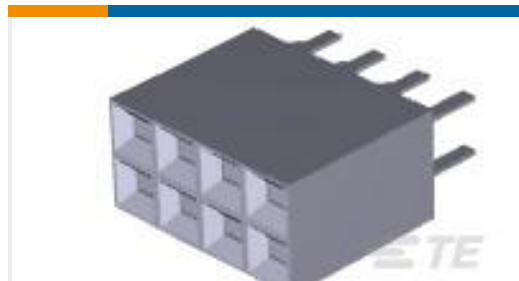
TE Part #285752-009
44A0111-26-2-US



TE Part #7-1437514-1
8134-HC-8P3=TIN/LEAD
PER 3.3.2



TE Part #CR2100-000
CPGI-WC-TG-TN-BULK



TE Part #534206-4
08 MODII VRT DR CE 100
/115



TE Part #1445716-4
KIT 6AWG GREEN

Documents

Product Drawings

KIT 6AWG RED

English

CAD Files

Customer View Model

ENG_CVM_1445716-5_A.3d_igs.zip

English

Customer View Model



[ENG_CVM_1445716-5_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1445716-5_A.2d_dxf.zip](#)

English

[3D PDF](#)

English

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Specifications

[Application Specification](#)

English