647879-1 ✔ ACTIVE

TE Internal #: 647879-1

Power Contacts, Contact, Operating Voltage 600 VAC, Operating Voltage 600 VDC, Silver, 12 – 10AWG Wire Size, 3.085 – 6.114mm² Wire Size

View on TE.com >

Connectors > Power Connectors > Power Contacts







Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Silver**

Wire Size: **12 – 10 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Contact Mating Area Plating Material	Silver
Contact Current Rating (Max)	50 A
Contact Type	Tab
Contact Retention Within Housing	With
Mating Tab Width	7.11 mm[.28 in]
Mating Tab Thickness	3.35 mm[.131 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material Thickness	1.27 µm[50 µin]

Wire Contact Termination Area Plating Material	Silver
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	50 µm[1.27 µin]
Barrel Type	Closed Barrel

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Wire Size	6088 – 12066 CMA

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Agency/Standard	UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
UL File Number	E28476

Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded

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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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



TE Part # 647893-4
SRS 50 CONN KIT,GRAY,10-12AWG

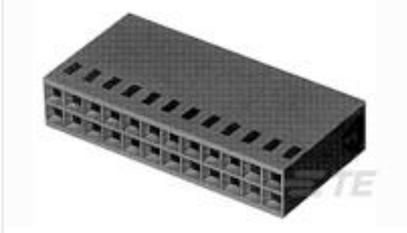


TE Part # 647845-3
SERIES 50 HOUSING,RED



TE Part # 647893-5
SRS 50 CONN KIT,BLUE,10-12AWG

Customers Also Bought



TE Part #144095-2
HOUSING MODU IV 2X3 P NEUTRAL



TE Part #1217094-2
RCPT 250 POS-LOCK 18-14 TPBR



TE Part #1445715-2
75A HSG SUBASY BLACK



TE Part #1445715-5
75A HSG SUBASY RED



TE Part #1445715-7
75A HSG SUBASY BLACK



TE Part #794280-1
12P UMNL WIRE SEAL



TE Part #130058
SOLIS, R 22-16 M6



TE Part #1-2176045-2
EP 5W 470R 5%



TE Part #1437284-9
SUPERSEAL 1.0 CONTACTS



TE Part #1-1969595-0
HSG,REC,FREE-HANGING,GWT,
DUALROW,EP2.5

Documents

Product Drawings

SERIES 50&75 CONTACT,10-12 AWG

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_647879-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_647879-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_647879-1_A.2d_dxf.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

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English