647893-3 ✔ ACTIVE

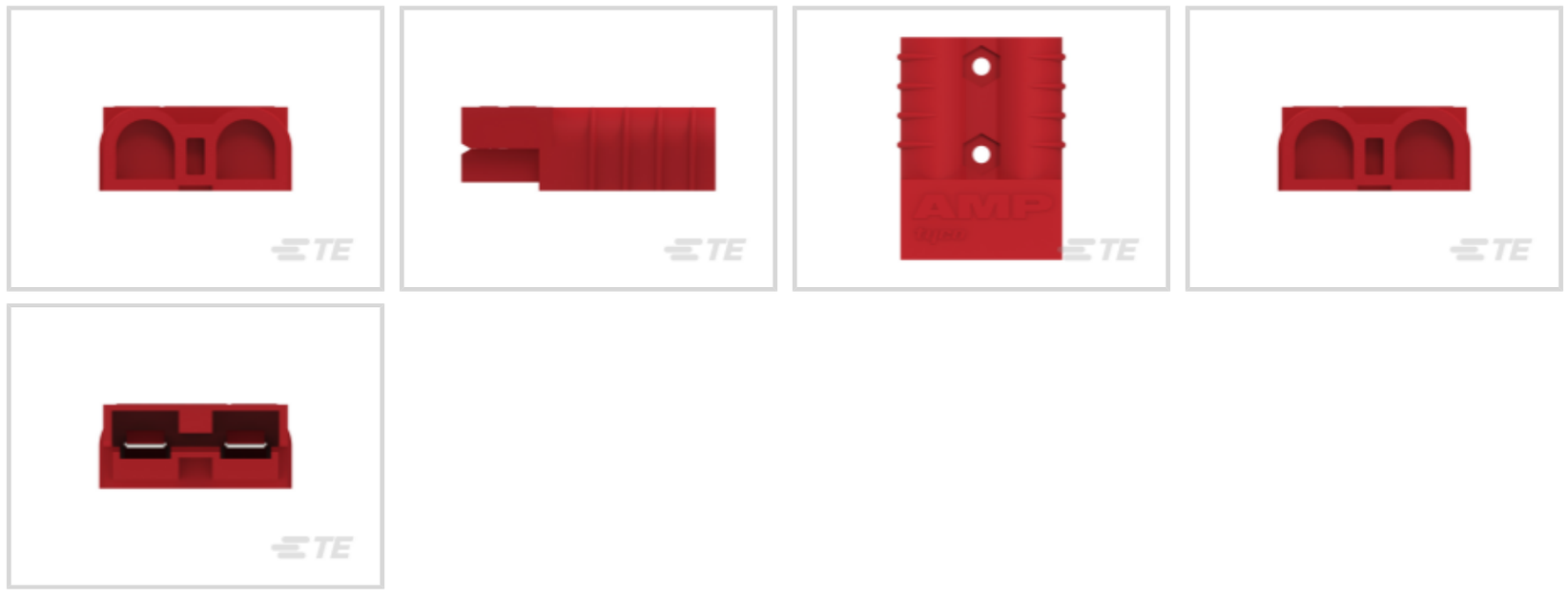
AMP Power Series - 50

TE Internal #: 647893-3

AMP Power Series - 50, Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Wire, 2 Position, 19.06mm [.75in] Centerline

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **19.06 mm [.75 in]**

Features

Product Type Features

Assembly Requirement	Unassembled Kit
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	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)	50 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 Type	Keyed
Mating Alignment	With
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	Without

Housing Features

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

Dimensions

Wire Size	6088 – 12066 CMA
Height	15.88 mm[.625 in]
Length	48.23 mm[1.9 in]
Width	35.05 mm[1.38 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	Bag
Packaging Quantity	1

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: JAN 2021 (211) Does not contain REACH SVHC
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

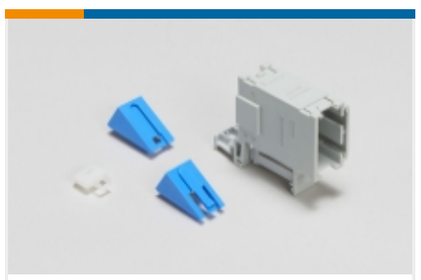
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CAT-R2456-AM71
Reducing Bushing: 16-0 AWG

Also in the Series | AMP Power Series - 50



Rectangular Connector Adapters(3)



Rectangular Power Connectors(15)

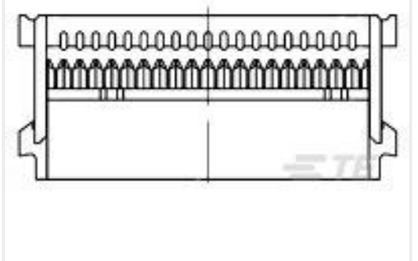
Customers Also Bought



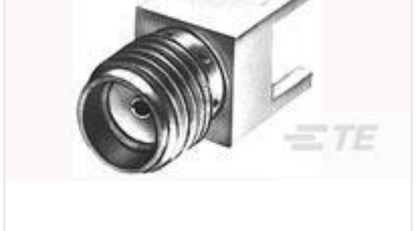
TE Part #1-1609112-5
CORCOM CU SERIES MULTI-FUNCTION INLET FI



TE Part #1-749656-1
IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm



TE Part #1-1658526-2
609-2030LF FEM SOCKT,LEAD FREE



TE Part #1053374-1
2062 8002 90

TE Part #1054425-1
2082 5133 00

TE Part #102316-6
MOD IV RECP PLTD 15 DPLX

TE Part #1-967640-1
MQS, CONNECTOR HOUSING

TE Part #YDJT16E15-97SNV001
PLUG ASSY



TE Part #1-5221185-0
PLUG 75 OHM COMM'L BNC



TE Part #1-6609122-9
CORCOM L SERIES MULTI-FUNCTION INLET FIL

Documents

Product Drawings

SRS 50 CONN KIT,RED,10-12AWG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_647893-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_647893-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_647893-3_A.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

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

AMP Power Series 50 and 75 Connectors

English

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English