

647893-3 ✓ ACTIVE

AMP Power Series - 50

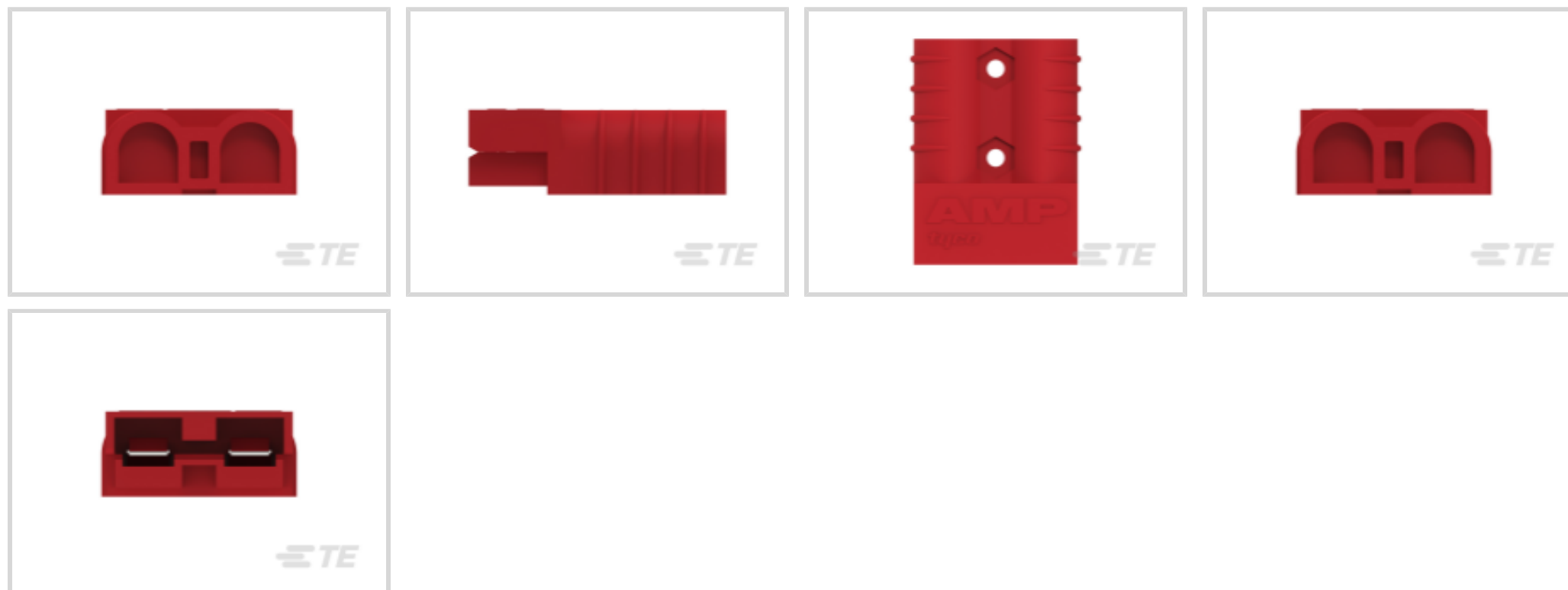
TE Internal #: 647893-3

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

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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
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Contact Features



Contact Current Rating (Max)	50 A
Contact Retention Within Housing	Without
Contact Type	Tab
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 $^{\circ}\text{C}$ [-4 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized



Agency/Standard Number	E28476
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Agency/Standard	UL
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	1
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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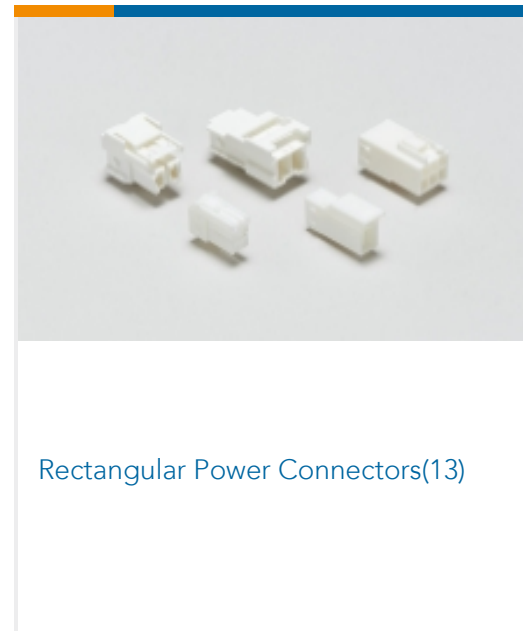
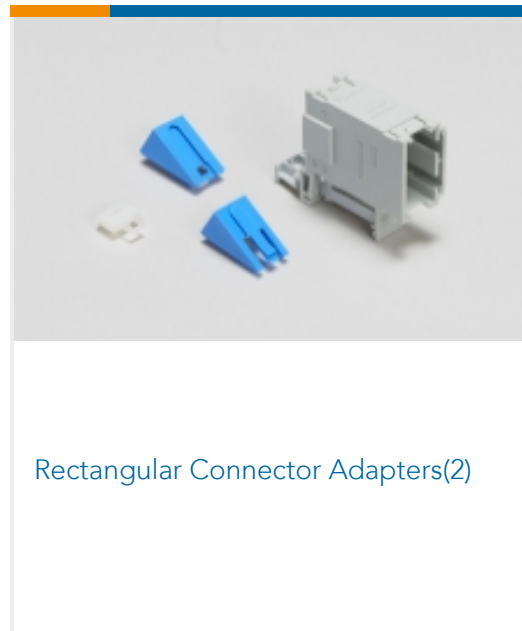
Product Compliance Disclaimer

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



Also in the Series | AMP Power Series - 50



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



Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English