

647845-3 ✓ ACTIVE

AMP Power Series - 50

TE Internal #: 647845-3

Housing, Plug / Receptacle, Crimp, Wire-to-Wire, UL 94V-0, 2

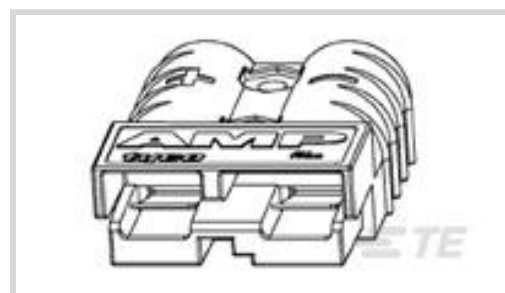
Position, AMP Power Series - 50, Rectangular Wire & Cable

Connectors & Housings

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug, Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **19.05 mm [.705 in]**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Housing
Connector & Housing Type	Plug, Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
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Body Features

Primary Product Color	Red
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	19.05 mm[.705 in]
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Dimensions

Compatible Insulation Diameter Range	10 mm[.394 in]
Connector Width	35.05 mm[1.38 in]



Connector Height	15.88 mm[.625 in]
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Connector Length	48.23 mm[1.9 in]
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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

Compatible With Agency/Standards Products	UL
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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Packaging Features

Packaging Quantity	157
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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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



TE Part # 647754-1
COLD HD CONT 50A BAT CONN TAPE



TE Part # 647879-1
SERIES 50&75 CONTACT,10-12 AWG



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



TE Part # 647878-1
SERIES 50 & 75 CONTACT,8 AWG



TE Part # 647755-1
COLD HD CONT 50A BAT CONN TAPE




TE Part # 647756-1
COLD HD CONT 50A BAT CONN TAPE

Also in the Series | AMP Power Series - 50




Connector Strain Relief(2)



Rectangular Connector Housings(4)



Rectangular Power Connectors(10)



Standard Rectangular Connectors(10)

Customers Also Bought



TE Part #2-2176523-0
3503G 2B 80R6 1% 1K RL



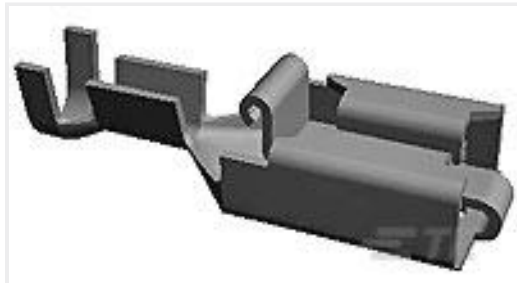
TE Part #282764-1
JPT SPLASH-PROOF FEM.CONN4 POS



TE Part #160759-3
250 PL MKI REC. 20-15AWG TPBR



TE Part #1-2176345-4
CRGCQ 1210 120R 1%



TE Part #160831-3
250 PL MKI REC. 17-13AWG TPBR



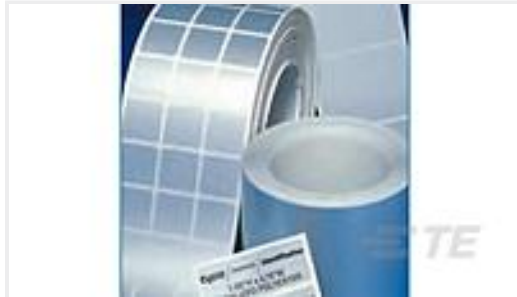
TE Part #3-1614883-3
CPF 0805 27R 0.1% 25PPM 5K RL



TE Part #K1129576
Battery Disconnecter 35-511-100-R



TE Part #928794-2
FF 110 TAB PTP CUZN30



TE Part #F77529-000
WP-381191-5-9



TE Part #1-776279-1
8POS, PIN DIA 1.3, HDR ASSY, 90DEG,
COD 1

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_647845-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_647845-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_647845-3_B.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

Agency Approvals

[Agency Approval Document](#)

English

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Housing, Plug / Receptacle, Crimp, Wire-to-Wire, UL 94V-0, 2 Position, AMP Power Series - 50, Rectangular Wire & Cable Connectors & Housings

