

1604342-1 ✓ ACTIVE



AMP Power Series - 50

TE Internal #: 1604342-1

AMP Power Series - 50, Rectangular Power Connectors, Housing, Receptacle / Plug, Wire-to-Wire, 2 Position, 19.06mm [.75in] Centerline, Wire & Cable

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

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

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

Number of Positions: **2**

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

Features

Product Type Features

Rectangular Power Connector 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
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin, Socket



Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Wire Size	6088 – 27629 CMA
Width	35.05 mm[1.38 in]
Accepts Wire Insulation Diameter Range	10 mm[.394 in]
Height	17.19 mm[.677 in]
Length	55.98 mm[2.2 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

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	UL
UL Rating	Recognized

Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	150

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



Also in the Series | [AMP Power Series - 50](#)

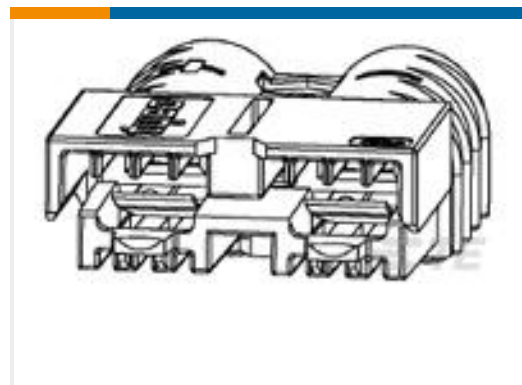
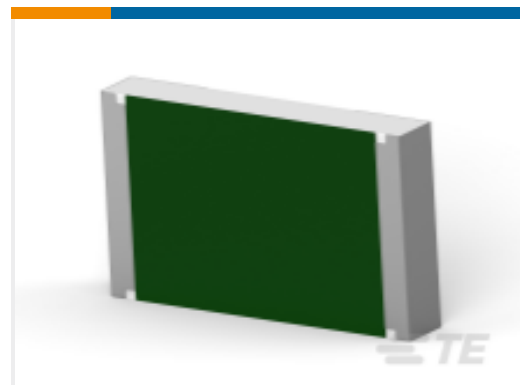
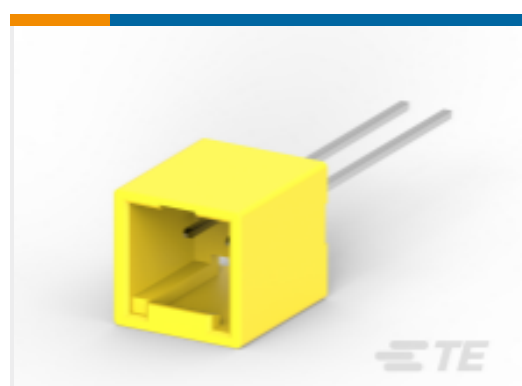
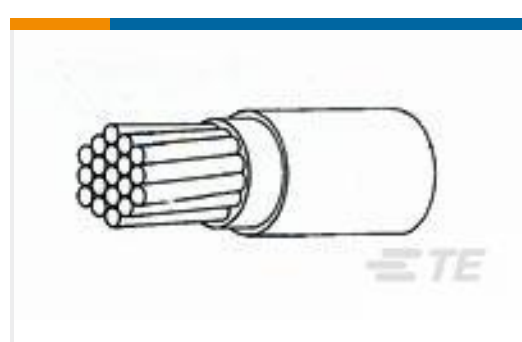


Rectangular Connector Adapters(3)



Rectangular Power Connectors(15)

Customers Also Bought

TE Part #1604342-2
SER 50 POWER CONN,FPRTE Part #3-2176401-4
3540 330K 1%TE Part #2-1734598-4
AMP HPI 1.25MM HEADERSTE Part #2-2303813-1
DEUTSCH DT Series Housings &
ConnectorsTE Part #3-2232546-3
STD Temp Sig GRACE INERTIA
HeaderTE Part #2-1649328-8
RT334005TE Part #2-2170785-2
CAGE ASSY, 1X4, QSFP28, GASKET,
HS, LPTE Part #2-2170808-5
QSFP28, 1X2, CAGE ASSY, SPRING,
HS, LPTE Part #285758-010
44A0111-26-8-USTE Part #YDIV44E15-35SNC001
RECP ASSY

Documents

Product Drawings

[SER 50 POWER CONN,FPR](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1604342-1_O.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_1604342-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1604342-1_O.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