



AMP Power Series - 50

TE Internal #: 647845-7

Rectangular Power Connectors, Housing, Receptacle / Plug, Wire-to-Wire, 2 Position, .705 in [19.05 mm] Centerline, Wire & Cable, AMP Power Series - 50

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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): **19.05 mm [.705 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 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 Retention Within Housing	Without
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Contact Type	Tab
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	Cable Mount (Free-Hanging)
Housing Features	
Centerline (Pitch)	19.05 mm[.705 in]
Housing Color	Black
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	15.88 mm[.625 in]
Length	48.23 mm[1.9 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
Agency/Standard Number	E28476
Agency/Standard	UL
UL Rating	Recognized
Packaging Features	
Packaging Method	Bag
Packaging Quantity	175



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: JUNE 2022 (224) 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

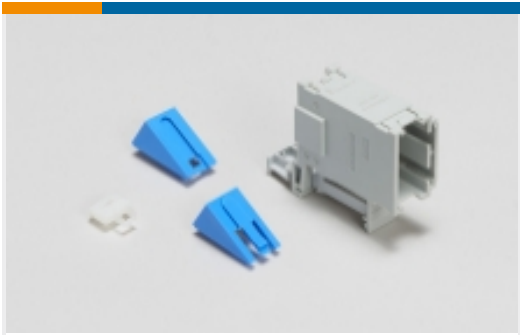
Product Compliance Disclaimer

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



Also in the Series | AMP Power Series - 50



Rectangular Connector Adapters(1)



Rectangular Power Connectors(13)

Customers Also Bought



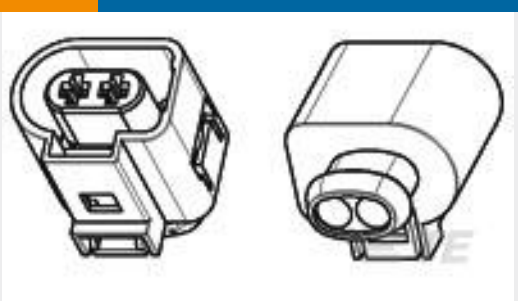
TE Part #HDP26-24-47SE
PLG, 47P, BLK, E, 16/20, S



TE Part #DT04-08PA-C015
REC, 8P, GRY, E, A



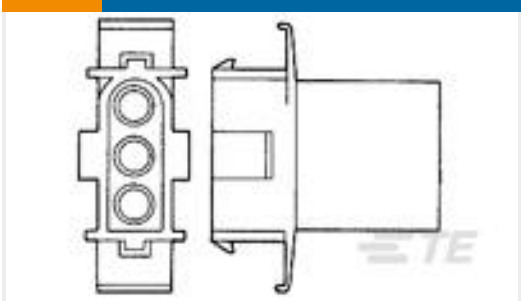
TE Part #1563111-1
COVER,180



TE Part #1-967412-2
JPT GEH ASSY 2P



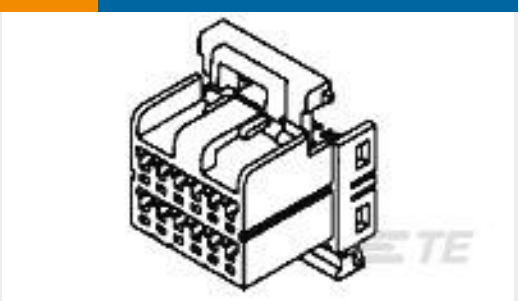
TE Part #1718758-1
MCON 1.2 LL TAB SWS SN



TE Part #1-350345-0
02P .140 MNL CAP P/M NAT



TE Part #42281-2
FF 250 REC 18-14AWG TPBR



TE Part #174045-2
040 MULTILOCK PLUG 12P

Documents

Product Drawings

SERIES 50 HOUSING,BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_647845-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_647845-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_647845-7_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