647845-7 × OBSOLETE

AMP Power Series - 50

TE Internal #: 647845-7

TE Internal Description: SERIES 50 HOUSING,BLACK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

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

Termination Method to Wire & Cable: **Crimp**

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

Contact Retention Within Housing: **Without**

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
Number of Rows	1
Number of Power Positions	0
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Retention Within Housing	Without
Contact Type	Tab

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	19.05 mm[.705 in]
Housing Material	Polycarbonate

Dimensions

Compatible Insulation Diameter Range	10 mm[.394 in]
Connector Width	35.05 mm[1.38 in]
Connector Height	15.88 mm[.625 in]
Connector Length	48.23 mm[1.9 in]
Wire Size	6088 – 27629 CMA

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	175
Packaging Method	Bag

Product Compliance

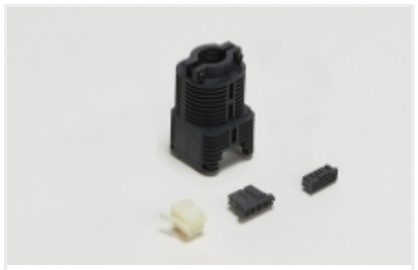
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

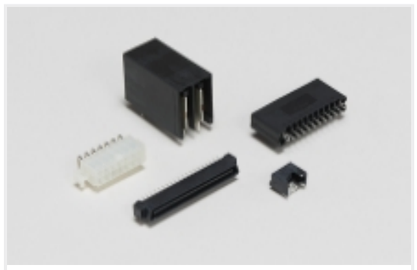
Also in the Series | AMP Power Series - 50



Rectangular Connector Housings(3)



Rectangular Power Connectors(3)



Standard Rectangular Connectors(3)

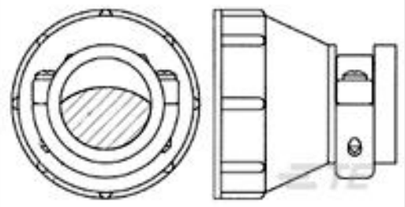
Customers Also Bought



TE Part #5070054026
RNF-100-3/16-X-SP



TE Part #0460-215-1631
PIN, SOLID, SIZE 16, 14AWG, AU



TE Part #182663-1
13 SIZE CPC STD CLAMP



TE Part #CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part #647845-4
SERIES 50 HOUSING,GRAY



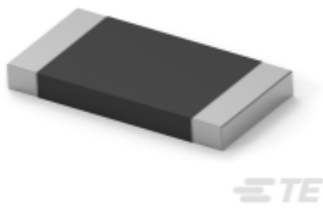
TE Part #5-1419102-2
T9AP5D52-24



TE Part #1658612-4
09 POS HDF RCPT, MS, LEAD FREE



TE Part #1658613-4
09 POS HDF PLUG, MS, LEAD FREE



TE Part #6-2176422-3
TLRP 2512 3.0W R035 1% 50PPM 4K RL

Documents

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

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English