647845-3 ✔ ACTIVE

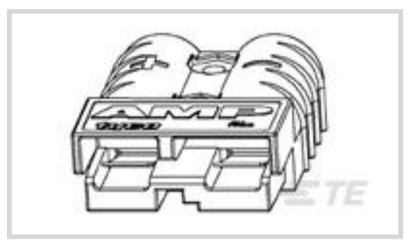
AMP Power Series - 50

TE Internal #: 647845-3

2 Position, Plug / Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 19.05 mm [.705 in] Centerline, 1 Row, 600 VAC, AMP Power Series - 50

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	Red

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	157
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

Compatible Parts



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



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



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

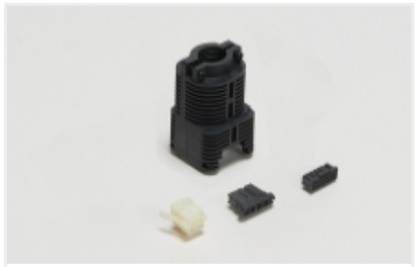


TE Part # 647877-1
SERIES 50 & 75 CONTACT,6 AWG



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

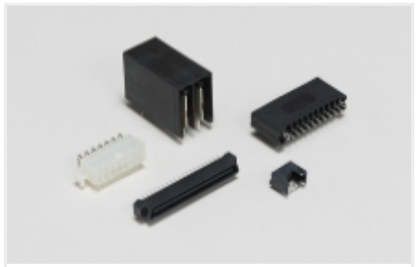
Also in the Series | AMP Power Series - 50



Rectangular Connector Housings(3)



Rectangular Power Connectors(3)



Standard Rectangular Connectors(3)

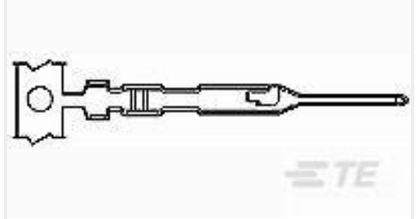
Customers Also Bought



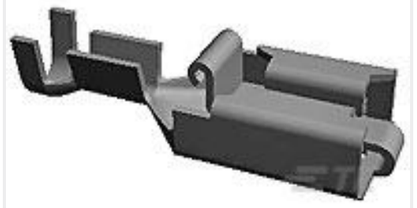
TE Part #DT8P-L012-GKT
GASKET, 8P, BLK, DT/DTM



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



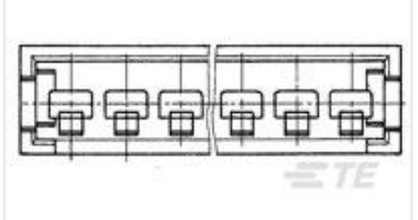
TE Part #5-104505-4
MTE PIN 22-26 AWG PLTD



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



TE Part #179228-6
CRIMP TYPE II RECPT HSG



TE Part #280631
AMPMODU II COSI PIN HSG, SGL ROW, 8 POS.



TE Part #282618-1
FFC PIN CONTACT TIN-P



TE Part #292132-6
CT P/HDR BOX V 6P NAT



TE Part #5-2176611-1
EP 2W (SS) 120R 5%

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

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English