1738017-1 ! PRELIMINARY

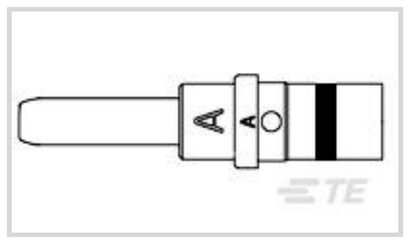
AMP | AMP GPR

TE Internal #: 1738017-1

AMP GPR, Power Contacts, Contact, Operating Voltage 440 VAC, Operating Voltage 279.84 VDC, Gold, 14 – 12AWG Wire Size, Wire-to-Wire

View on TE.com >

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **279.84 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **14 – 12 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

Operating Voltage	279.84 VDC

Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	23 A
Contact Type	Pin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 – 76 µm[30 µin]
Wire Contact Termination Area Plating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material	Gold
Contact Orientation	Right Angle
Contact Underplating Material	Nickel
Contact Size	12

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Wire Insulation Support	With

Dimensions

Wire Size	14 – 12 AWG
Accepts Wire Insulation Diameter Range	3.4 mm

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Circuit Application	Signal

Identification Marking

Color Code	Green

Packaging Features

Packaging Method	Package
Packaging Quantity	1

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	Not Yet Reviewed
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: JUN 2018 (191) SVHC > Threshold: Pb (1% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

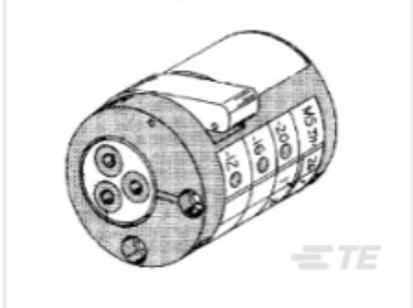
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 601967-1
CRIMPING TOOL M22520/1-01

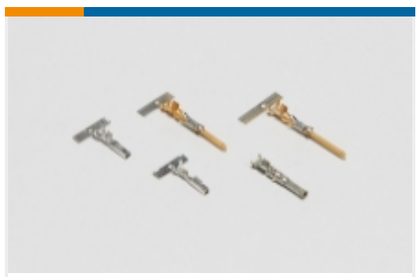


TE Part # 601967-2
POSITIONER M22520/1-02

Also in the Series | AMP GPR



Connector Contacts(2)



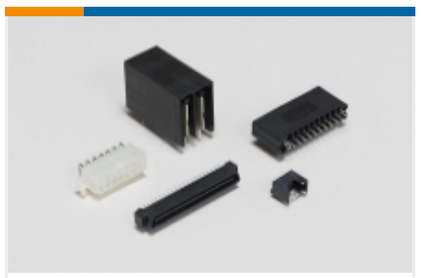
Power Contacts(15)



Rectangular Boots & Strain Relief(1)



Rectangular Connector Seals(2)

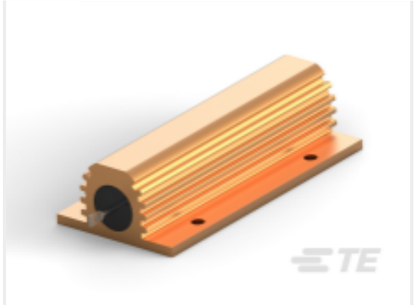


Standard Rectangular Connectors(1)

Customers Also Bought



TE Part #1735482-2
Free Height Receptacle Conn: Board-Board, Vertical, 60, 0.8mm



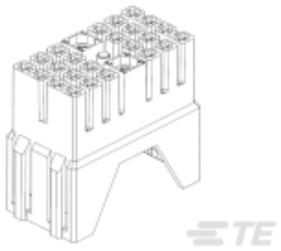
TE Part #3-1630027-2
Power Resistors: Aluminum Housed, HSC



TE Part #926895-7
UNIVERSAL M-N-L SOCKET



TE Part #1614770-4
Resistor Power BDS2A250



TE Part #284874-1
24 POS PLUG HOUSING ASS'Y



TE Part #4-1393243-2
RT423024



TE Part #55992-1
AMPOWER TERMINAL 2 STUD HOLES



TE Part #1241390-2
AMP MCP, RECEPTACLE AND TAB



TE Part #ASA158F12390235000
623 PLUG



TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20, 120MM2 - FXP

Documents

Product Drawings

PIN CONT,SIZE 12,GPR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1738017-1_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1738017-1_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1738017-1_3.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

ARINC 600 Next Generation Receptacle Connector

English