



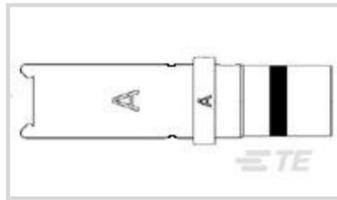
AMP | AMP GPR

TE Internal #: 1738018-1

Power Contacts, Contact, Nickel, 14 – 12 AWG Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power & Signal, Socket, AMP GPR

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Nickel**

Wire Size: **14 – 12 AWG**

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

Connector & Contact Terminates To: **Wire & Cable**

## Features

### Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

### Contact Features

Contact Mating Area Plating Material	Nickel
Contact Current Rating (Max)	23 A
Contact Type	Socket
Mating Pin Diameter	2.37 mm[.093 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]
Wire Contact Termination Area Plating Material	Nickel
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Right Angle
Contact Underplating Material	Nickel
Contact Size	12

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment



Wire Insulation Support	With
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### 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]
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### Operation/Application

Circuit Application	Power & Signal
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### Identification Marking

Color Code	Green
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### 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	Not Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (4% in Component Part) <b>Article Safe Usage Statements:</b> 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	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

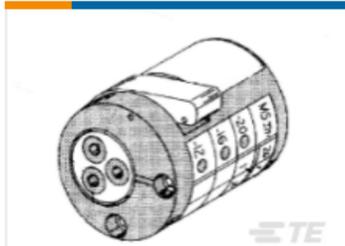
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



TE Part # 601967-1  
CRIMPING TOOL M22520/1-01

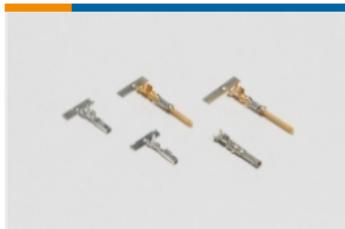


TE Part # 601967-2  
POSITIONER M22520/1-02

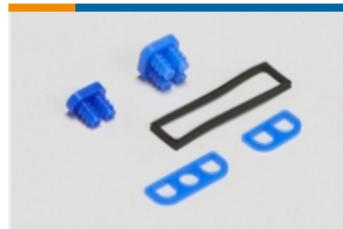
## Also in the Series | AMP GPR



Connector Contacts(2)



Power Contacts(9)



Rectangular Connector Seals(2)



Standard Rectangular Connectors(1)

## Documents

### Product Drawings

#### SOCKET CONTACT SIZE 12 GPR

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_1738018-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1738018-1\\_A.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1738018-1\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

English



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[Datasheets & Catalog Pages](#)

[ARINC 600 Next Generation Receptacle Connector](#)

English