

66594-1 ✓ ACTIVE

AMP | AMP Type IV

TE Internal #: 66594-1

Power Contacts, Contact, 250 VAC, 250 VDC, Tin, 24 – 20 AWG

Wire Size, .2 – .6 mm<sup>2</sup> Wire Size, Wire-to-Wire, 1 Position, Wire & Cable, AMP Type IV

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **24 – 20 AWG**

## Features

### Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	1
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### Electrical Characteristics

Test Current	13 A
Operating Voltage	250 VDC

### Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	1.8 A
Contact Type	Socket
Contact Retention Within Housing	With



Mating Pin Diameter	1.57 mm[.062 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	1.02 μm[40 μin]
Contact Mating Area Plating Material Finish	Semi-Bright
Wire Contact Termination Area Plating Thickness	1 – 3 μm[40 – 118 μin]
Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Size	16

### Termination Features

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

Connector Mounting Type	Panel Mount
Wire Insulation Support	With

### Dimensions

Wire Size	.2 – .6 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	1.02 – 2.03 mm[.04 – .08 in]

### Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
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### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Method	Carton
Packaging Quantity	1500

### Other

Wire/Cable Type	Discrete Wire
For Use With	G Series Connectors
Comment	Wire strip length-- 3.96 [.156] for all wire sizes.

### 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: JUNE 2022 (224) Does not contain REACH SVHC
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

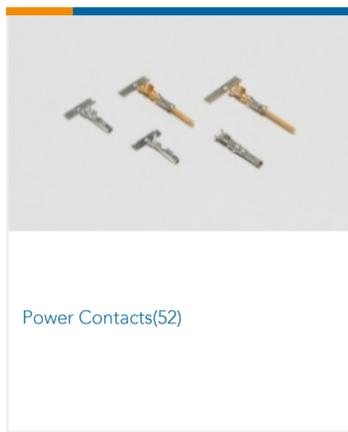
#### Product Compliance Disclaimer

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 Type IV**



## Documents

### Product Drawings

[TYPE VI SKT CONT,MULTIMATE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_66594-1\\_M.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_66594-1\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_66594-1\\_M.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_66594-1\\_G.3d\\_igs.zip](#)

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Customer View Model

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English

[3D PDF](#)

English

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### Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English



### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

Japanese

#### Instruction Sheet (U.S.)

English