

66589-2 ✓ ACTIVE

AMP | AMP Type IV

TE Internal #: 66589-2

Power Contacts, Contact, 250 VAC, 250 VDC, Gold, 18 – 16 AWG

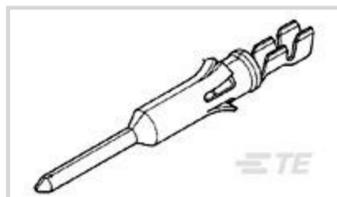
Wire Size, .8 – 1.4 mm² Wire Size, Wire-to-Wire, 1 Position, Wire &

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: **Gold**

Wire Size: **18 – 16 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	Gold
Contact Current Rating (Max)	1.8 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	1.57 mm[.062 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]



Wire Contact Termination Area Plating Material	Tin-Lead
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
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	.8 – 1.4 mm ²
Accepts Wire Insulation Diameter Range	2.03 – 2.54 mm[.08 – .1 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Method	Carton
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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	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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: JUNE 2022 (224)

SVHC > Threshold:

Pb (13% 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

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 # 58495-2
PROCRIMPER DIE ASSY MULTIMATE



TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE



TE Part # 91523-1
CCII TYPE III+ PIN SKT 24-16 ASSY



TE Part # 91505-1
CCII TYPE III+ 24-16 ASSY

Also in the Series | AMP Type IV



Power Contacts(52)



Documents

Product Drawings

TYPE VI PIN,MULTI-MATE,L.P.

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_66589-2_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66589-2_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66589-2_K.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_66589-2_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_66589-2_F.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_66589-2_F.2d_dxf.zip](#)

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

Instruction Sheets

Instruction Sheet (U.S.)

Japanese



[Instruction Sheet \(U.S.\)](#)

English

[Agency Approvals](#)

[Agency Approval Document](#)

English