

796966-1 ✓ ACTIVE

AMP | AMP Type II

TE Internal #: 796966-1

Power Contacts, Contact, Gold, 18 – 16 AWG Wire Size, .8 – 1.31 mm² Wire Size, Wire-to-Wire, 1 Position, Wire & Cable, Crimp, Power, AMP Type II

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Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.8 – 1.31 mm²**

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

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	23 A
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Contact Features

Louvertac Band Plating Material	Gold
Louvertac Band Material	Beryllium Copper
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	23 A
Contact Type	Socket



Contact Retention Within Housing	With
Mating Pin Diameter	1.57 mm[.062 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.25 μm[10 μin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	5.08 μm[200 μin]
Wire Contact Termination Area Plating Material	Silver
Wire Contact Termination Area Plating Material Finish	Semi-Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.02 μm[40 μin]
Contact Size	16

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	.8 – 1.31 mm ²
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Usage Conditions

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

Circuit Application	Power
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Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

Wire/Cable Type	Discrete Wire
For Use With	AMP Multimate Connectors
Comment	Mates with Part Number 193844-1.

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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



TE Part # CAT-AM71-C83998C
Circular Plastic Connector, CMC Series 1



TE Part # CAT-AM71-C83998Y
One-Piece Connector, Sealed, CPC Series 1



TE Part # CAT-AM71-C83998J
Cable/Panel Mount Connector, CPC Series 1



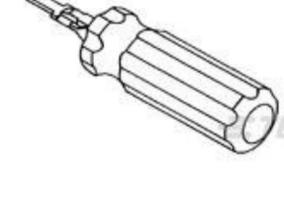
TE Part # CAT-AM71-C83998K
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part # 194264-1
PIN ASSY, SIZE 16 SOLDER TAIL



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



TE Part # 1-305183-1
EXTRACT TOOL MATE-N-LOK P



TE Part # 1-601967-5
POSITIONER TYPE II CONTACTS

Also in the Series | AMP Type II



Insertion & Extraction Tools(4)



Power Contacts(35)

Documents

Product Drawings

[SKT ASSY,18-16 AWG,HI CURRENT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_796966-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_796966-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_796966-1_A.3d_stp.zip](#)

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English

[3D PDF](#)

English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

[Power Contacts](#)

English



Product Environmental Compliance

Product Compliance

English

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