

66181-1 ✓ ACTIVE

AMP | AMP Type III+

TE Internal #: 66181-1

Power Contacts, Contact, Gold, 18 – 16 AWG Wire Size, .8 – 1.4 mm<sup>2</sup> Wire Size, Wire & Cable, Solder, Power & Signal, Socket, AMP Type III+

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Connectors > Power Connectors > Power Contacts > TYPE III CONTACTS LP



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.8 – 1.4 mm<sup>2</sup>**

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

[All TYPE III CONTACTS LP \(53\)](#)

## Features

### Product Type Features

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Test Current	13 A
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### Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	13 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	.76 µm[30 µin]
Contact Mating Area Plating Material Finish	Bright



Wire Contact Termination Area Plating Thickness	.25 µm[10 µin]
Wire Contact Termination Area Plating Material	Gold
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.76 µm[30 µin]
Contact Size	16

### Termination Features

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

Wire Insulation Support	With
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### Dimensions

Wire Size	.8 – 1.4 mm <sup>2</sup>
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### Usage Conditions

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

Circuit Application	Power & Signal
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### Packaging Features

Packaging Method	Carton
Packaging Quantity	1000

### Other

Wire/Cable Type	Discrete Wire
For Use With	CPC Connectors, M Series Connectors
Comment	These contacts can be used in MultiMate contact positions of all connector housings.

### 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

TE Part # CAT-AM71-C83998C  
CMC SERIES 1

TE Part # CAT-AM71-C83998Y  
CPC SERIES 1 SEALED ONE-PIECE

TE Part # CAT-AM71-C83998J  
CPC SERIES 1

TE Part # CAT-AM71-C83998K  
CPC SERIES 6

TE Part # 58495-2  
PROCRIMPER DIE ASSY MULTIMATE

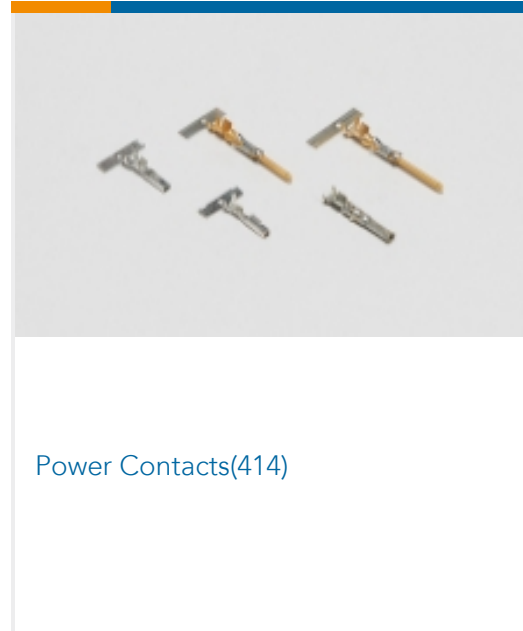
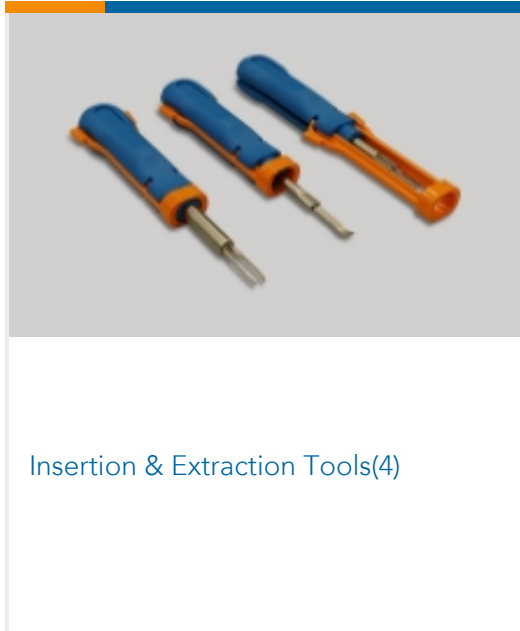
TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY

TE Part # 200893-2  
INSERTION TOOL CONT

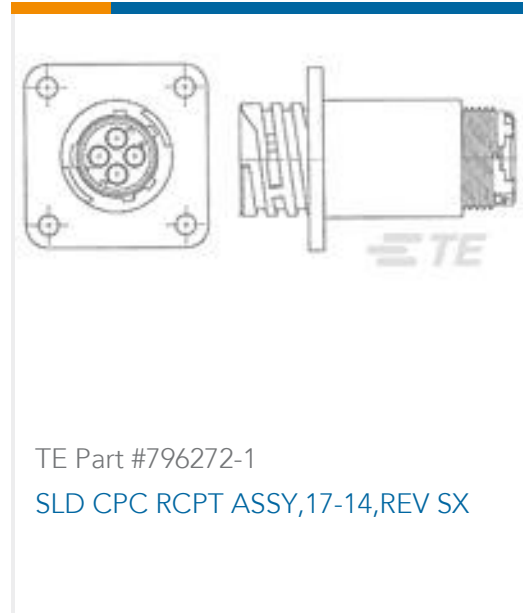
TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



Also in the Series | AMP Type III+



Customers Also Bought



Documents

Product Drawings

III+ SKT,SOLDER,30AU,10AU FLASH,LP

English

CAD Files

3D PDF

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_66181-1\\_K.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_66181-1\\_K.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_66181-1\\_K.3d\\_stp.zip](#)

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**3D PDF**

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**Customer View Model**[ENG\\_CVM\\_66181-1\\_J.2d\\_dxf.zip](#)

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English

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**Datasheets & Catalog Pages**[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

**Signal Contacts**

English

[M\\_SERIES\\_PIN\\_AND\\_SOCKET\\_CONNECTORS](#)

English

**Product Specifications**[Application Specification](#)

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**Product Environmental Compliance**[Product Compliance](#)

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