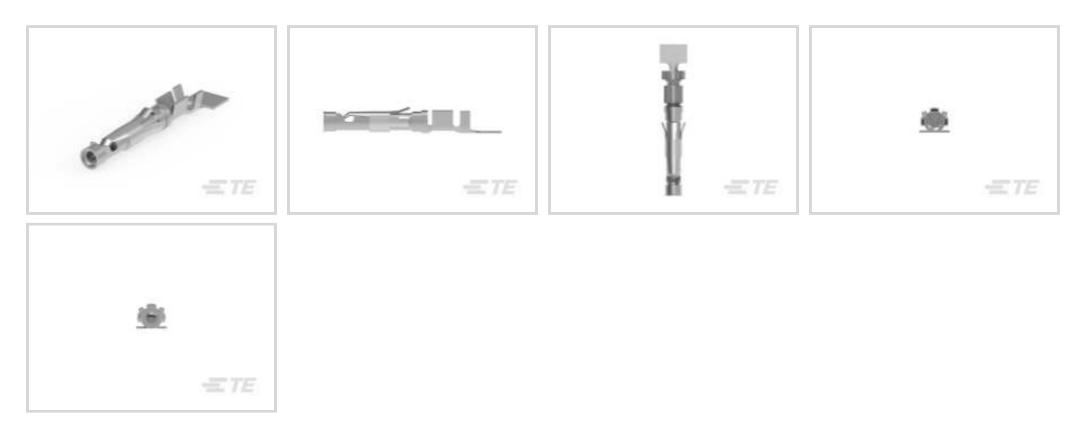


### AMP | AMP Type III+

TE Internal #: 1-66101-9 Power Contacts, Contact, Tin, 18 – 16 AWG Wire Size, .8 – 1.4 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power & Signal, Socket, AMP Type |||+

### View on TE.com >





Power Contact Type: Contact

Contact Mating Area Plating Material: Tin

Wire Size: .8 – 1.4 mm<sup>2</sup>

Connector & Contact Terminates To: Wire & Cable

### All Pin and Socket Contacts, Type III, LP (53)



### Features

### **Product Type Features**

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable
Contact Features	
Contact Size	Size 16
Contact Mating Area Plating Material	Tin
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	2.54 μm[100 μin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]

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



Wire Contact Termination Area Plating MaterialTinWire Contact Termination Area Plating Material FinishMatteContact OrientationStraightContact Underplating MaterialNickelContact Underplating Material Thickness.76 µm[30 µin]Termination FeaturesTermination Method to Wire & CableMechanical AttachmentCrimpWire Insulation SupportWithDimensions.8 – 1.4 mm²Vire Size.8 – 1.4 mm²Compatible Insulation Diameter Range.203 – 2.54 mm[.08 – .1 in]Usage Conditions.55 – 90 °C[.67 – 194 °F]Operating Temperature Range.55 – 90 °C[.67 – 194 °F]Operation/ApplicationPower & SignalPackaging Features		
Contact OrientationStraightContact Underplating MaterialNickelContact Underplating Material Thickness.76 μm(30 μin)Termination FeaturesCrimpTermination Method to Wire & CableCrimpMechanical AttachmentWithWire Insulation SupportWithDimensions.8 – 1.4 mm²Compatible Insulation Diameter Range.803 – 2.54 mm[.08 – .1 in]Usage Conditions	Wire Contact Termination Area Plating Material	Tin
Contact Underplating MaterialNickelContact Underplating Material Thickness.76 µm[30 µin]Termination FeaturesTermination Method to Wire & CableTermination Method to Wire & CableCrimpMechanical AttachmentWithWire Insulation SupportWithDimensions.8 – 1.4 mm²Compatible Insulation Diameter Range.803 – 2.54 mm[.08 – .1 in]Usage Conditions.55 – 90 °C[-67 – 194 °F]Operating Temperature Range.55 – 90 °C[-67 – 194 °F]Circuit ApplicationPower & Signal	Wire Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material Thickness   .76 µm[30 µin]     Termination Features     Termination Method to Wire & Cable   Crimp     Mechanical Attachment   With     Wire Insulation Support   With     Dimensions   .8 – 1.4 mm²     Compatible Insulation Diameter Range   .203 – 2.54 mm[.08 – .1 in]     Usage Conditions   .00     Operating Temperature Range   -55 – 90 °C[-67 – 194 °F]     Operation/Application	Contact Orientation	Straight
Termination Features     Termination Method to Wire & Cable   Crimp     Mechanical Attachment   Vite     Wire Insulation Support   With     Dimensions   Second tion Support     Wire Size   .8 – 1.4 mm²     Compatible Insulation Diameter Range   .8 – 2.54 mm[.08 – .1 in]     Usage Conditions   -55 – 90 °C[-67 – 194 °F]     Operating Temperature Range   -55 – 90 °C[-67 – 194 °F]     Circuit Application   Power & Signal	Contact Underplating Material	Nickel
Termination Method to Wire & CableCrimpMechanical AttachmentWithWire Insulation SupportWithDimensionsSecond Second Secon	Contact Underplating Material Thickness	.76 μm[30 μin]
Wachanical Attachment     Wire Insulation Support   With     Dimensions     Wire Size   .8 – 1.4 mm²     Compatible Insulation Diameter Range   .203 – 2.54 mm[.08 – .1 in]     Usage Conditions   -55 – 90 °C[-67 – 194 °F]     Operating Temperature Range   -55 – 90 °C[-67 – 194 °F]     Circuit Application   Power & Signal	Termination Features	
Wire Insulation SupportWithDimensionsWire Size.8 – 1.4 mm²Compatible Insulation Diameter Range2.03 – 2.54 mm[.08 – .1 in]Usage Conditions	Termination Method to Wire & Cable	Crimp
Dimensions     Wire Size   .8 – 1.4 mm²     Compatible Insulation Diameter Range   2.03 – 2.54 mm[.08 – .1 in]     Usage Conditions   Usage Conditions     Operating Temperature Range   -55 – 90 °C[-67 – 194 °F]     Operation/Application   Vert & Signal	Mechanical Attachment	
Wire Size.8 – 1.4 mm²Compatible Insulation Diameter Range2.03 – 2.54 mm[.08 – .1 in]Usage Conditions-55 – 90 °C[-67 – 194 °F]Operating Temperature Range-55 – 90 °C[-67 – 194 °F]Operation/Application-55 – 90 °C[-67 – 194 °F]Circuit ApplicationPower & Signal	Wire Insulation Support	With
Compatible Insulation Diameter Range2.03 – 2.54 mm[.08 – .1 in]Usage Conditions-Operating Temperature Range-55 – 90 °C[-67 – 194 °F]Operation/Application-Circuit ApplicationPower & Signal	Dimensions	
Usage Conditions     Operating Temperature Range   -55 – 90 °C[-67 – 194 °F]     Operation/Application     Circuit Application	Wire Size	.8 – 1.4 mm <sup>2</sup>
Operating Temperature Range-55 – 90 °C[-67 – 194 °F]Operation/Application-55 – 90 °C[-67 – 194 °F]Circuit ApplicationPower & Signal	Compatible Insulation Diameter Range	2.03 – 2.54 mm[.08 – .1 in]
Operation/Application   Circuit Application   Power & Signal	Usage Conditions	
Circuit Application Power & Signal	Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
	Operation/Application	
Packaging Features	Circuit Application	Power & Signal
	Packaging Features	

Packaging Quantity

Packaging Method

1000

Carton, Loose Piece

# 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

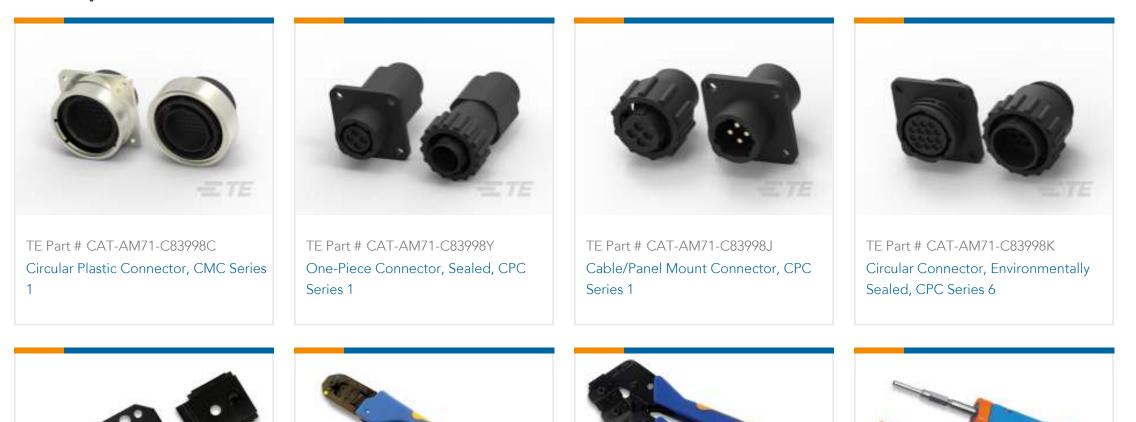
Power Contacts, Contact, Tin, 18 – 16 AWG Wire Size, .8 – 1.4 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power & Signal, Socket, AMP Type III+

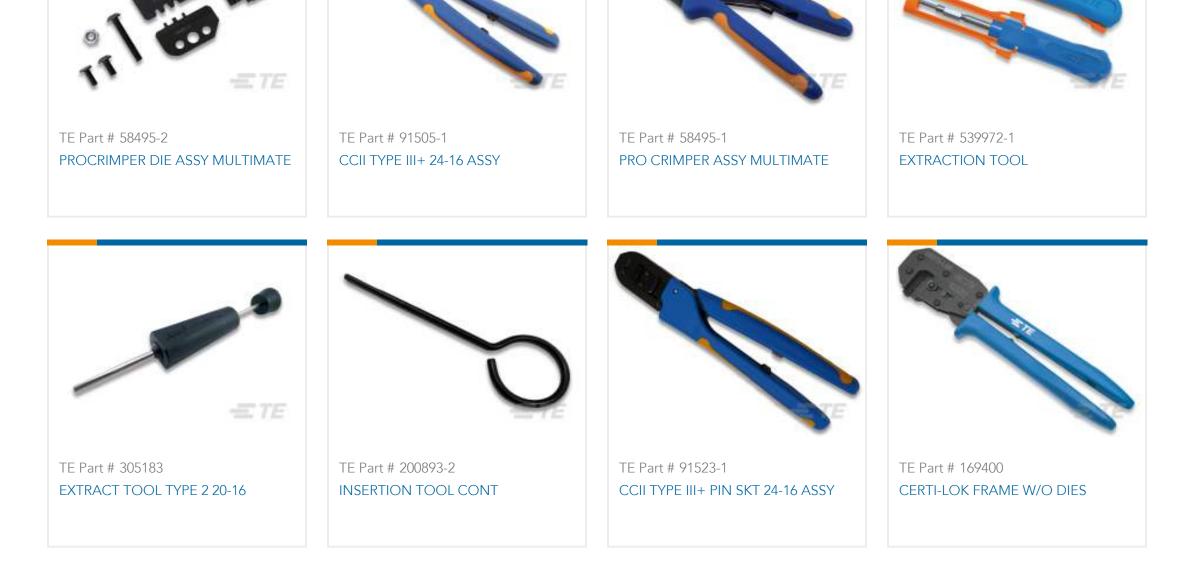


#### Product Compliance Disclaimer

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**

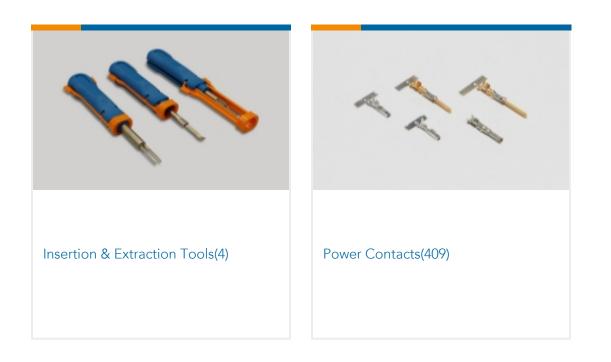




Also in the Series | AMP Type III+

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





# **Customers Also Bought**



## Documents

**Product Drawings** III+ SKT,18-16,TIN ,LP

English

### **CAD** Files

**Customer View Model** 

ENG\_CVM\_CVM\_1-66101-9\_Z.2d\_dxf.zip

English

### 3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-66101-9\_Z.3d\_igs.zip

English

**Customer View Model** ENG\_CVM\_CVM\_1-66101-9\_Z.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Signal Contacts

English

M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

Power Contacts, Contact, Tin, 18 – 16 AWG Wire Size,  $.8 - 1.4 \text{ mm}^2$  Wire Size, Wire & Cable, Crimp, Power & Signal, Socket, AMP Type III+



Product Specifications **Application Specification** 

English

Product Environmental Compliance MD\_1-66101-9\_052920181155\_dmtec

English

MD\_1-66101-9\_052920181155\_dmtec

English