1-66105-9 ACTIVE

AMP | AMP Type III+

TE Internal #: 1-66105-9

Power Contacts, Contact, Tin, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Wire & Cable, Crimp, Power & Signal, Socket, AMP Type

|||+

View on TE.com >



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











Power Contact Type: Contact

Contact Mating Area Plating Material: Tin

Wire Size: .2 – .6 mm²

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
Contact Features	
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]
Wire Contact Termination Area Plating Material	Tin
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	Crimp
Mechanical Attachment	
Wire Insulation Support	With
Dimensions	
Wire Size	.2 – .6 mm²
Accepts Wire Insulation Diameter Range	1.02 – 2.03 mm[.04 – .08 in]
Usage Conditions	
Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
Operation/Application	
Circuit Application	Power & Signal
Packaging Features	
Packaging Method	Carton, Loose Piece
Packaging Quantity	1000
Other	
Wire/Cable Type	Discrete Wire
For Use With	CPC Connectors, G Series Connectors, M Series Connectors

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-onreach

Compatible Parts



CMC SERIES 1

TE Part # 91515-1

ASSY

CCII TYPE III+ MNL PIN SKT 30-20



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



TE Part # CAT-AM71-C83998J CPC SERIES 1

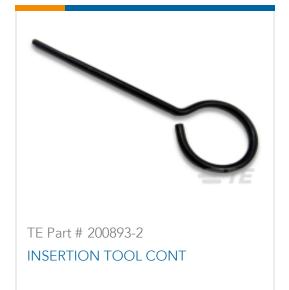




TE Part # 58495-2 PROCRIMPER DIE ASSY MULTIMATE



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





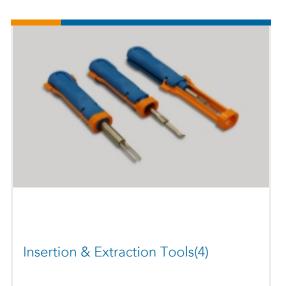


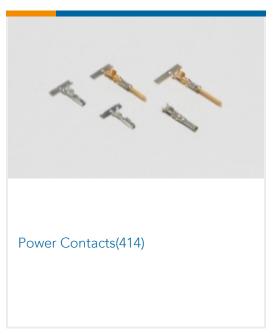






Also in the Series | AMP Type III+





Documents

Product Drawings

III+ SKT,24-20,TIN,LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66105-9_AE.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66105-9_AE.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66105-9_AE.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

Power Contacts, Contact, Tin, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Wire & Cable, Crimp, Power & Signal, Socket, AMP Type III+



English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1-66105-9_103120171031_dmtec

English

MD_1-66105-9_103120171031_dmtec

English