



AMP | AMP Type III+

TE Internal #: 1-66103-5

Power Contacts, Contact, Precious Metal, 24 – 20 AWG Wire Size, .2 – .6 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power & Signal, Pin, AMP Type III+

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Precious Metal**

Wire Size: **.2 – .6 mm<sup>2</sup>**

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

## 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	Precious Metal
Contact Current Rating (Max)	13 A
Contact Type	Pin
Mating Pin Diameter	1.57 mm[.062 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
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	Matte
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
------------------------------------	-------

### Mechanical Attachment

Wire Insulation Support	With
-------------------------	------

### Dimensions

Wire Size	.2 – .6 mm <sup>2</sup>
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	Box, Loose Piece
Packaging Quantity	100

### 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	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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 # 91515-1  
CCII TYPE III+ MNL PIN SKT 30-20  
ASSY



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



TE Part # 539972-1  
EXTRACTION TOOL



TE Part # 305183  
EXTRACT TOOL TYPE 2 20-16



TE Part # 91515-3  
CCII TYPE III+ MNL PIN SKT 30-20  
HEAD



TE Part # 169400  
CERTI-LOK

Also in the Series | **AMP Type III+**

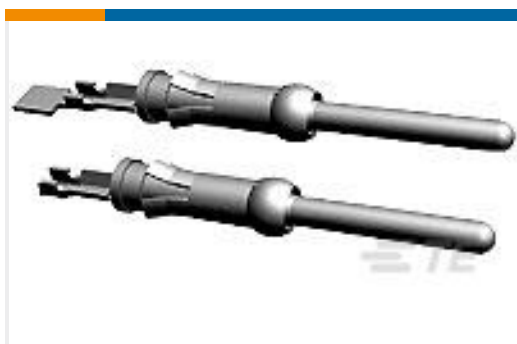


Insertion &amp; Extraction Tools(4)



Power Contacts(414)

## Customers Also Bought

TE Part #5745413-1  
37 PLUG SP/MS STDTE Part #3-1437567-3  
MPA206R=SW P/B MOM DPDTTE Part #2-32949-1  
PG R 22-16 COMM 22-18 MIL 10TE Part #1393766-9  
R10-E1X2-V700=R10TE Part #1-66099-2  
III+ PIN,18-16,TIN-LEAD,SMPACKTE Part #745414-1  
50 PLUG SP/MS STDTE Part #203618-1  
MALE J.S. ASSY. - SHORTTE Part #203540-1  
GROUNDING CONN,14 POSTE Part #204814-1  
GROUNDING CONN. 34 POS. ASY.TE Part #DT06-3S-KIT  
3WY PL W/WEG

## Documents

### Product Drawings

III+ PIN,24-20,TIN-LEAD,SMPACK

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-66103-5\_AL.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-5\\_AL.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-5\\_AL.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

---

## Product Specifications

[Product Specification](#)

English

---

## Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

---

## Instruction Sheets

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

Japanese

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

English