



AMP | AMP Type III+

TE Internal #: 1-66103-7

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

#### Contact Features

Contact Size	Size 16
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	.76 μm[30 μin]
Wire Contact Termination Area Plating Thickness	1.27 μm[50 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	1.27 μm[50 μin]

#### Termination Features

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

Wire Insulation Support	With
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### Dimensions

Wire Size	.2 – .6 mm <sup>2</sup>
Compatible Insulation Diameter Range	1.02 – 2.03 mm [.04 – .08 in]

### Usage Conditions

Operating Temperature Range	-55 – 90 °C [-67 – 194 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Quantity	100
Packaging Method	Box, 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

#### 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 # 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 # 91515-1  
CCII TYPE III+ MNL PIN SKT 30-20 ASSY

TE Part # 169400  
CERTI-LOK FRAME W/O DIES

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

Insertion & Extraction Tools(4)

Power Contacts(409)

### Customers Also Bought

TE Part #206708-1  
CPC PLUG ASSEMBLY SIZE 13-9

TE Part #206705-1  
Cable/Panel Mount Connector, CPC Series 1

TE Part #9-146258-0  
80 MODII HDR DRST B/A .100CL

TE Part #749608-1  
26 50SR KIT,ST,UK

TE Part #1SNA105045R2200  
M4/6.D2

TE Part #2355443-2  
RJ45 CAT5e PANEL MOUNT SOCKET (PBT)

TE Part #1-2176511-8  
CJP 600W 39R 5% Lead

TE Part #1SNA118495R1700  
SCF6D



## Documents

### Product Drawings

[III+ PIN,24-20, 30AU/SN,SMPACK](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-7\\_AL.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-7\\_AL.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-7\\_AL.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English

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### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

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### Instruction Sheets

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

Japanese

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

English