



AMP | AMP Type III+, Circular Plastic Connectors Series 1

TE Internal #: 1-66105-6

Tin-Lead, Socket Contact, 24 – 20 AWG, .2 – .6 mm<sup>2</sup> Wire, Size 16, Crimp, Brass, Power & Signal, -55 – 90 °C [-67 – 194 °F], AMP Type III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin-Lead**

Wire Contact Termination Area Plating Material: **Tin-Lead**

Contact Size: **Size 16**

Wire Size: **24 – 20 AWG**

**Features**

**Contact Features**

Contact Type	Socket
Contact Mating Area Plating Material	Tin-Lead
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Mating Pin Diameter	1.57 mm[.062 in]
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 Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.76 µm[30 µin]

**Termination Features**



Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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**Mechanical Attachment**

Wire Insulation Support	With
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**Dimensions**

Wire Size	.2 – .6 mm <sup>2</sup>
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Compatible Insulation Diameter Range	1.02 – 2.03 mm [.04 – .08 in]
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**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
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Packaging Method	Box, Carton
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**Product Compliance**

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) <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.
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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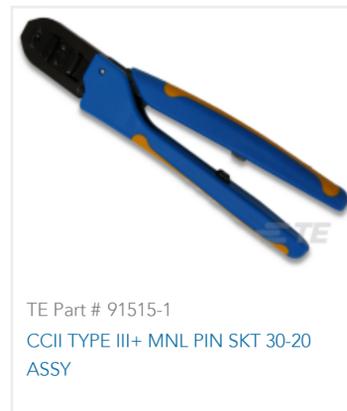
Product Compliance Disclaimer

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

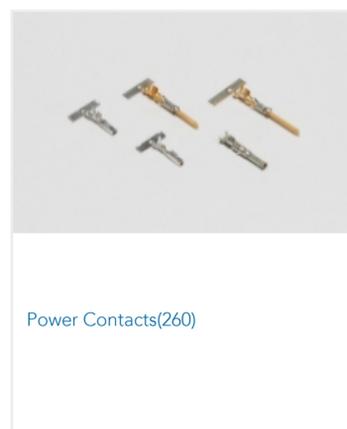
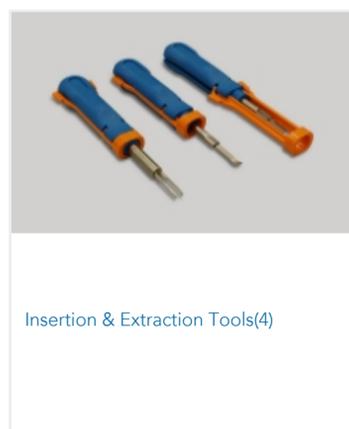
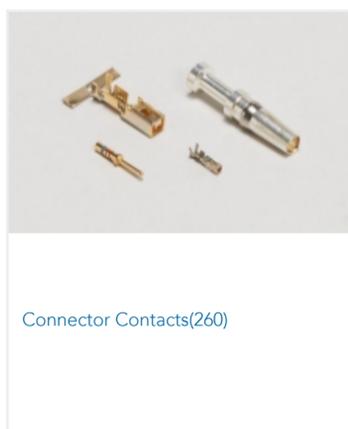


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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+



## Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)

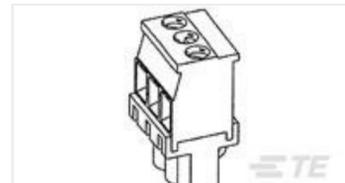
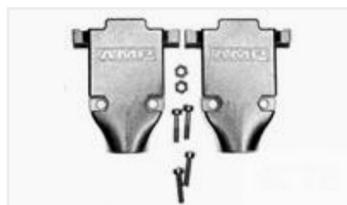


Connector Contacts(260)



Power Contacts(260)

## Customers Also Bought

TE Part #50719  
TERMINAL, COPALUM 6 10TE Part #1-66103-6  
III+ PIN, 24-20, 15AU/FL, SMPACKTE Part #201501-1  
SPIROL PINTE Part #284041-4  
TERMINAL BLOCK VERTICAL PLUG STE Part #1-487769-2  
014 HOUSING FFC RCPT 100CL SRTE Part #3-641150-5  
05P MTA156 ASSY 22AWG RED LFTE Part #4-644042-0  
10P MTA100 CONN ASSYLFTE Part #745508-8  
FERRULE SPLIT RING, HDTE Part #1-1532171-0  
M83513/04-A14N, MCKS-N1-B-9S6G9-72.0TE Part #5745833-5  
CABLE CLAMP KIT, SZ 3

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66105-6\\_AE.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66105-6\\_AE.3d\\_igs.zip](#)

1-66105-6

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Power & Signal, -55 – 90 °C [-67 – 194 °F], AMP Type III+



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-66105-6\\_AE.3d\\_stp.zip](#)

English

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

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### Instruction Sheets

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

Japanese

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

English