

### AMP | AMP Type III+

TE Internal #: 66565-7

Socket Contact, Tin, Size 16 Contact Size, 24 – 20 AWG Wire Size, .

2 – .6 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

View on TE.com >



Connectors > Contacts > Connector Contacts > Pin and Socket Contacts, Type III, LP











Contact Type: Socket

Contact Mating Area Plating Material: Tin

Wire Contact Termination Area Plating Material: Tin

Contact Retention Within Housing: With

Contact Size: Size 16

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

### Features

### **Contact Features**

Mating Pin Diameter	1.57 mm[.062 in]
Contact Underplating Material Thickness	.76 μm[30 μin]
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Barrel Type	Open
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With



Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Termination Features	
Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable
Mechanical Attachment	
Wire Insulation Support	With
Dimensions	
Compatible Insulation Diameter Range	1.52 – 3.05 mm[.06 – .12 in]
Compatible Insulation Diameter Range Wire Size	1.52 – 3.05 mm[.06 – .12 in] .2 – .6 mm <sup>2</sup>
Wire Size	
Wire Size  Usage Conditions	.2 – .6 mm²
Wire Size  Usage Conditions  Operating Temperature Range	.2 – .6 mm²
Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application	.2 – .6 mm <sup>2</sup> -55 – 90 °C[-67 – 194 °F]
Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application	.2 – .6 mm <sup>2</sup> -55 – 90 °C[-67 – 194 °F]

## **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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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





Series 1





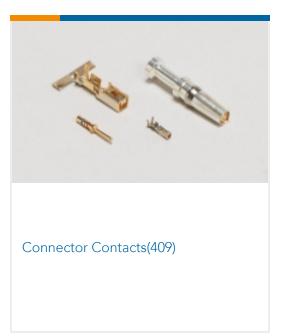


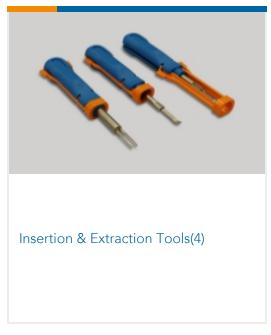






# Also in the Series | AMP Type III+





## Customers Also Bought

















#### **Documents**

### **Product Drawings**

III+ SKT,24-20,TIN,LP

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_66565-7\_H.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_66565-7\_H.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_66565-7\_H.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

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English



Product Specifications

Application Specification

English