



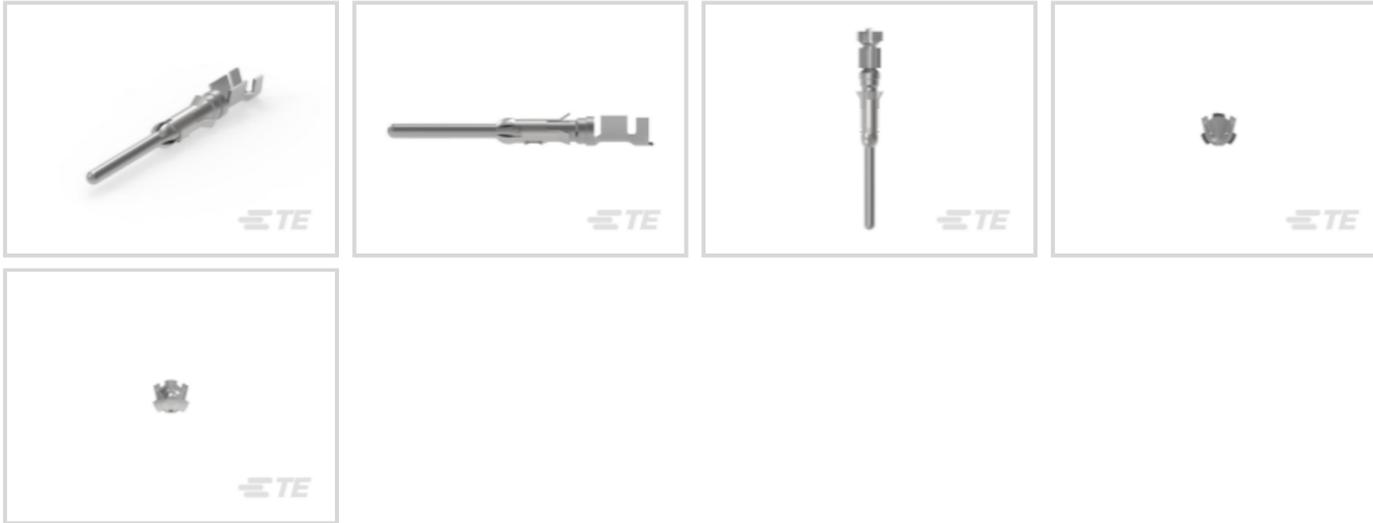
AMP | AMP M Series

TE Internal #: 164161-3

Tin (Sn), Pin Contact, 18 – 16 AWG, .8 – 1.4 mm<sup>2</sup> Wire, Snap-In Contact Retention, Size 16, Crimp, Brass, Power & Signal, AMP M Series

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Snap-In**

**Features**

**Product Type Features**

Discrete Wire Type	Stranded
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**Contact Features**

Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
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
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	1.02 μm[40 μin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	1.02 μm[40 μin]
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
Product Terminates To	Wire & Cable

### Mechanical Attachment

Contact Retention Type Within Housing	Snap-In
Wire Insulation Support	With

### Dimensions

Wire Size	.8 – 1.4 mm <sup>2</sup>
Compatible Insulation Diameter Range	2 – 2.5 mm[.078 – .098 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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### Identification Marking

Contact Color Code	Blue
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### Packaging Features

Packaging Quantity	5000
Packaging Method	Reel

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2266601-7  
OC-080F1200-752-CRIMP TOOLING KIT



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 213851-1  
CPC PLUG ASSEMBLY SIZE 23-24



TE Part # 1977884-1  
SLD CPC PLUG ASSY,13-9,STD SEX, UV RESIS



TE Part # 539972-1  
EXTRACTION TOOL



TE Part # 58495-2  
PROCRIEMPER DIE ASSY MULTIMATE



TE Part # 208457-3  
CMC PLUG ASSEMBLY,SZ 28-24



TE Part # 208488-1  
CMC PLUG ASSEMBLY,SZ 22



TE Part # 208714-1  
CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 796449-1  
PLUG ASSY,CPC,17-14,REV SEX



TE Part # 796288-1  
PLUG.ASSY,23-37STD SEX THRD AD



TE Part # 796450-1  
PLUG ASSY,CPC,17-9,REV SEX



TE Part # 206516-1  
CPC PLUG ASSEMBLY SIZE 11-4



TE Part # 213853-1  
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 213849-1  
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 208716-1  
CMC PLUG ASSEMBLY, SZ 14



TE Part # 208718-2  
CMC PLUG ASSEMBLY, SZ 14-5



TE Part # 200893-2  
INSERTION TOOL CONT

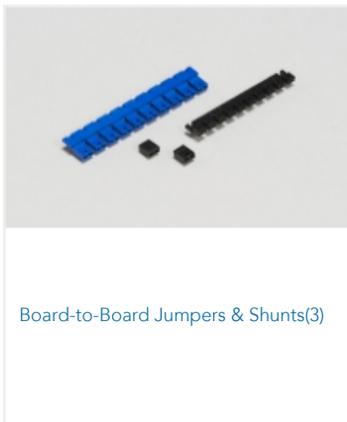


TE Part # 211770-2  
CPC PLUG ASSEMBLY SIZE 23-19

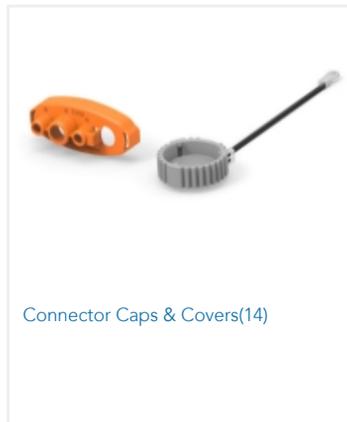


TE Part # 1977878-1  
SLD CPC PLUG ASY, 11-4, STD SEX, UV RESIST

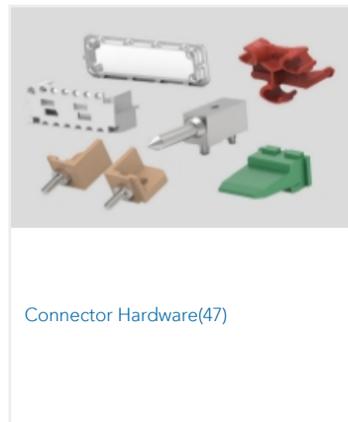
Also in the Series | AMP M Series



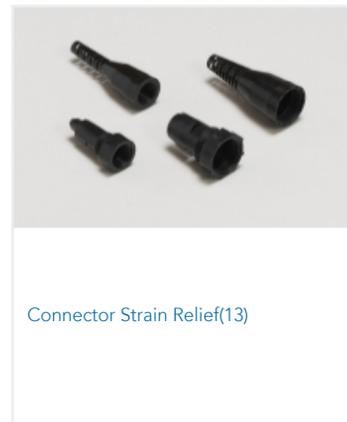
Board-to-Board Jumpers & Shunts(3)



Connector Caps & Covers(14)



Connector Hardware(47)



Connector Strain Relief(13)



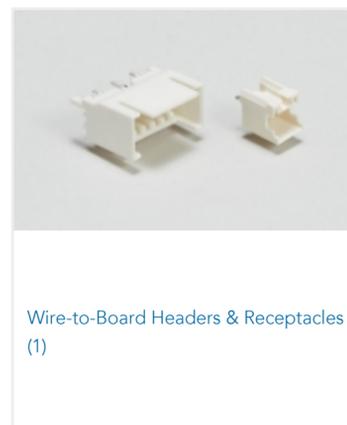
PCB Headers & Receptacles(9)



Rack & Panel Connectors(1)



Rectangular Power Connectors(82)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #DT04-3P-CE04  
REC, 3P, GRY, E, XCAP



TE Part #163081-7  
.062 DIA PIN ASSY 3+



TE Part #1-163083-2  
.062 DIA SOC ASS 3+



TE Part #163085-8  
.062 DIA PIN ASS 3+



## Documents

### Product Drawings

#### M-SRS.PIN BODY 3+

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_164161-3\\_U.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_164161-3\\_U.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_164161-3\\_U.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

### Product Specifications

164161-3

Tin (Sn), Pin Contact, 18 – 16 AWG, .8 – 1.4 mm<sup>2</sup> Wire, Snap-In Contact Retention,  
Size 16, Crimp, Brass, Power & Signal, AMP M Series



## Product Specification

English