164164-1 ✔ ACTIVE

AMP | AMP M Series

TE Internal #: 164164-1

Tin (Sn), Pin Contact, 18 – 16 AWG, .75 – 1.5 mm² 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

Contact Features

Contact Shape & Form	Round
Barrel Type	Open
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	.75 – 1.5 mm²
Compatible Insulation Diameter Range	2 – 2.5 mm[.08 – .1 in]

Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	200
Packaging Method	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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



TE Part # 208488-3
CMC PLUG ASSEMBLY,SZ 22



TE Part # 305183
EXTRACT TOOL TYPE 2 20-16



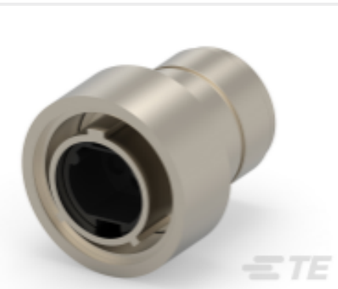
TE Part # 208714-2
CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 213852-1
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 211766-1
CPC PLUG ASSEMBLY SIZE 17-9



TE Part # 208720-1
PLUG ASSY,SZ 14,CMC



TE Part # 211772-1
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 206554-1
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 1977887-1
PLUG.ASSY,23-37STD SEX THRD AD, UV RESIS



TE Part # 206060-1
CPC PLUG ASSEMBLY SIZE 11-4



TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 208470-3
CMC PLUG ASSEMBLY,SZ 28



TE Part # 788153-2
SLD CPC PLUG ASSY,11-4,REV SEX



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



TE Part # 2063487-2
SDE TYPE III+ 0.2-2.5mm2 DIE SET



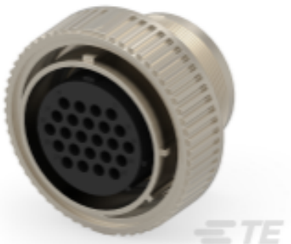
TE Part # 796288-1
PLUG.ASSY,23-37STD SEX THRD AD



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



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

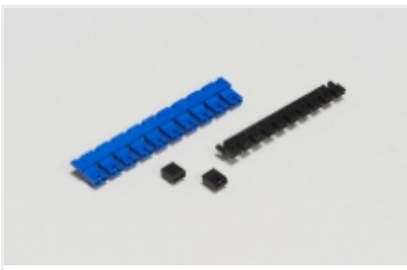


TE Part # 208457-3
CMC PLUG ASSEMBLY,SZ 28-24



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

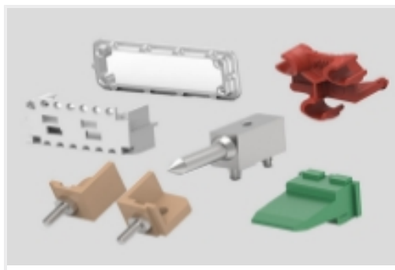
Also in the Series | AMP M Series



Board-to-Board Jumpers & Shunts(4)



Connector Contacts(51)



Connector Hardware(47)



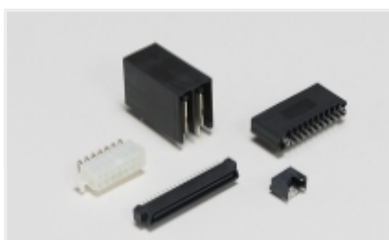
Power Contacts(51)



Rectangular Connector Housings(77)



Rectangular Power Connectors(82)

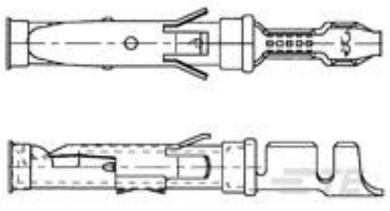


Standard Rectangular Connectors(81)

Customers Also Bought



TE Part #U5254-000002-014BA
PRESS XDCR U5254-000002-014BA



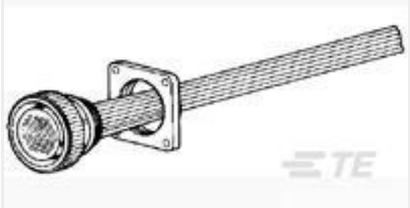
TE Part #163088-1
062 SOC.ASS. TYP3+



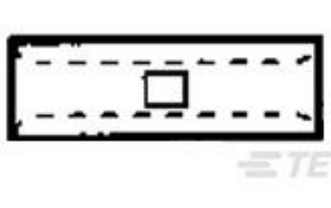
TE Part #182917-1
CPC SQ.FL.RCPT STD SEX



TE Part #206429-1
CPC PLUG ASSY, 11-4, REV SEX



TE Part #207299-2
FLANGE PLUG MOUNT CPC



TE Part #322324
SOLIS BUTT HT 22-16COM22-18MIL



TE Part #6-1419128-4
OJE-SS-124HM,000



TE Part #9-1437621-8
KLN500B1/4=KNOB KNURL W/IND LI



TE Part #5745854-5
CABLE CLAMP KIT,SZ 1



TE Part #7-6609107-2
PS0S0DS6B=C1185

Documents

Product Drawings

PIN ASS

English

CAD Files

Customer View Model

ENG_CVM_CVM_164164-1_F1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_164164-1_F1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_164164-1_F1.2d_dxf.zip

English

3D PDF

3D

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

Product Specification

English