164163-1 ✔ ACTIVE

AMP | AMP M Series

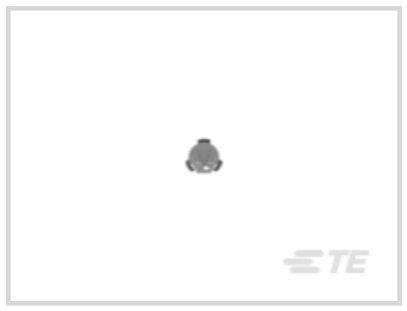
TE Internal #: 164163-1

Tin (Sn), Pin Contact, 24 – 20 AWG, .2 – .5 mm² Wire, Size 16, Crimp, Brass, Power & Signal, -55 – 90 °C [-67 – 194 °F], 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 Size: **Size 16**

Features

Product Type Features

Discrete Wire Type	Stranded

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 Material 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

Wire Insulation Support	With

Dimensions

Wire Size	.2 – .5 mm²
Compatible Insulation Diameter Range	1.1 – 1.8 mm[.043 – .07 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	Bag

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 # 200893-2
INSERTION TOOL CONT



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



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



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



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



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



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



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



TE Part # 796188-1
SLD CPC PLUG ASSY,23-24,STD SX



TE Part # 796271-1
SLD CPC PLUG ASSY,17-14,REV SX



TE Part # 796274-2
SLD CPC PLUG ASSY,17-16,STD SX



TE Part # 796274-1
SLD CPC PLUG ASSY,17-16,STD SX



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



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



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



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



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



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

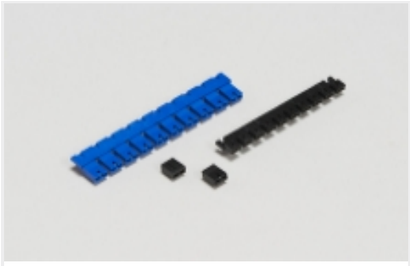


TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37



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

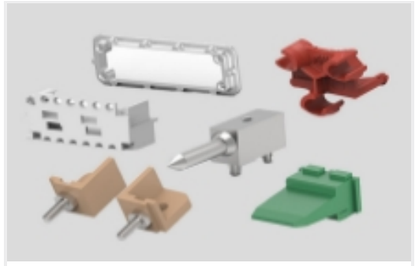
Also in the Series | AMP M Series



Board-to-Board Jumpers & Shunts(3)



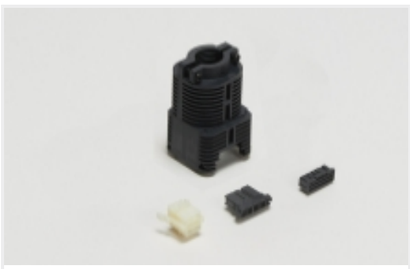
Connector Contacts(51)



Connector Hardware(47)



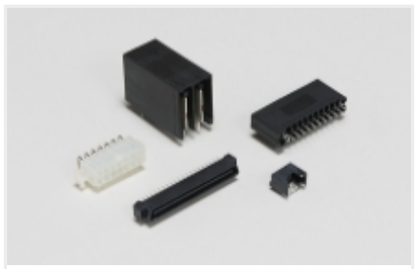
Power Contacts(51)



Rectangular Connector Housings(77)



Rectangular Power Connectors(82)



Standard Rectangular Connectors(81)

Customers Also Bought



TE Part #2866050001
RPS-22-18/2.0-4



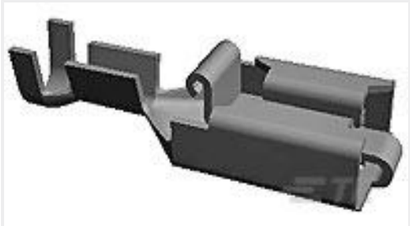
TE Part #T1410161000-000
H16B-AGS



TE Part #EK8087-000
ZH150-8/4-0-10M



TE Part #53244-1
TERMINAL,PG SPR SPD 16-14 8



TE Part #160759-4
PL 250 TERMINAL REC 0.5-1.5 MM2 TPPHBZ



TE Part #282762-1
JPT SPLASH-PROOF FEM.CONN2 POS



TE Part #322799
SOLIS R HR 22-16COM22-18MIL 10



TE Part #880297-1
6 WAY FF 250 HOUSING REC PA 6.6 NATURAL



TE Part #8-2176070-0
3521 20K 1% 2W



TE Part #5747871-2
09 PLUG SP/FMS STD

Documents

Product Drawings

PIN ASS

English

PIN ASS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_164163-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_164163-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_164163-1_D.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