



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

TE Internal #: 1-66400-0

Tin (Sn), Pin Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Size 16, Crimp, Brass, Power & Signal, -55 – 90 °C [-67 – 194 °F], AMP Type III+

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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

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	2.54 µm[100 µin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	2.54 µm[100 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]
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Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With
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Dimensions

Wire Size	.2 – .6 mm ²
Compatible Insulation Diameter Range	2.03 – 2.54 mm[.08 – .1 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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Packaging Features

Packaging Quantity	1000
Packaging Method	Carton, 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	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 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 # 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
PROCRIMPER 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



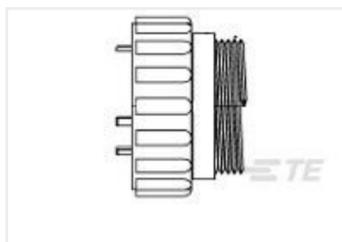
TE Part # 796449-1
PLUG ASSY, CPC, 17-14, REV SEX



TE Part # 796288-1
PLUG ASSY, 23-37 STD 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

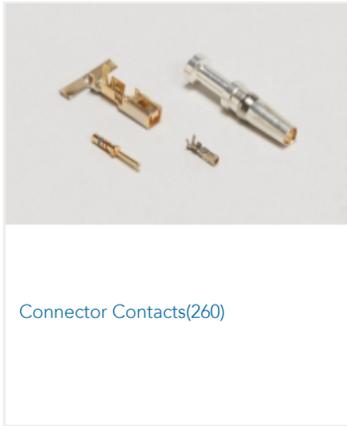


TE Part # 796274-1
SLD CPC PLUG ASSY,17-16,STD SX

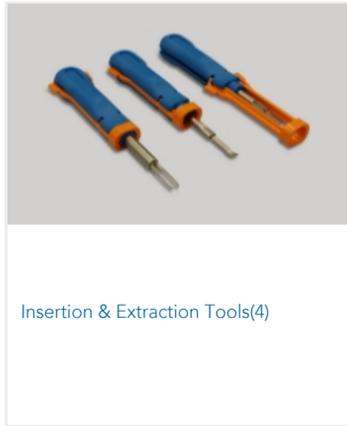


TE Part # 796188-1
SLD CPC PLUG ASSY,23-24,STD SX

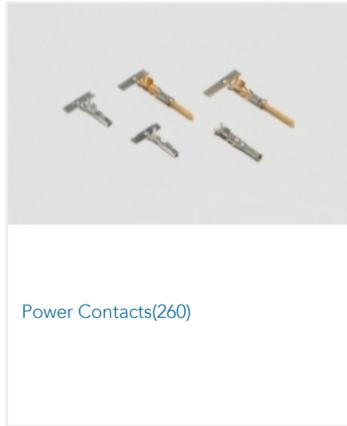
Also in the Series | AMP Type III+



Connector Contacts(260)

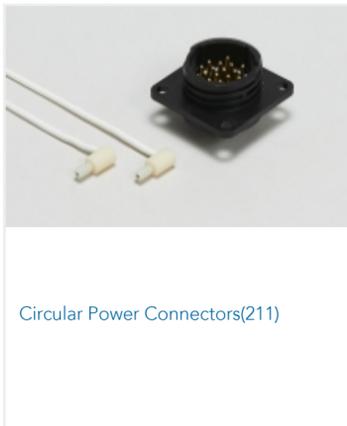


Insertion & Extraction Tools(4)

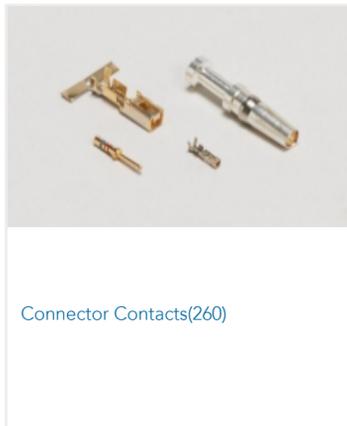


Power Contacts(260)

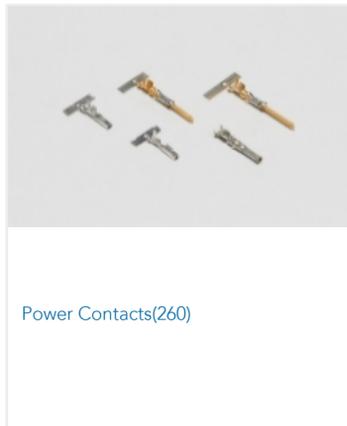
Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



TE Part #802520-SF
FN2030A-20-06



TE Part #CB5051-000
BSTS-17X25



TE Part #54011-3
CPC STRAIN RELIEF,SIZE 17



TE Part #1-66105-9
III+ SKT,24-20,TIN,LP



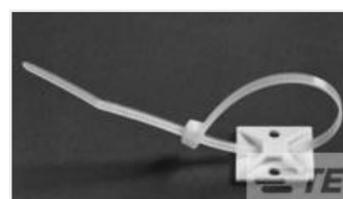
TE Part #66565-7
III+ SKT,24-20,TIN,LP



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #213890-2
CPC RECPT SEALED SIZE 17-3



TE Part #608802-1
CABLE TIE MOUNT, 4-WAY, 3/4" SQ



TE Part #8-1393253-3
W69-X2Q12-10=M6/M7/M9/W6/W7



TE Part #F17017-000
SHRINKMARK-12-2-S3-9-2.5

Documents

Product Drawings

III+ PIN,24-20,TIN,LP

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-66400-0_L.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-66400-0_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-66400-0_L.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

1-66400-0

Tin (Sn), Pin Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Size 16, Crimp, Brass, Power & Signal, -55 – 90 °C [-67 – 194 °F], AMP Type III+



Application Specification

English