66563-8 ✔ ACTIVE

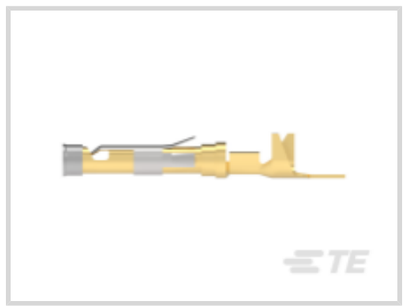
AMP | AMP Type III+, Circular Plastic Connectors Series 1

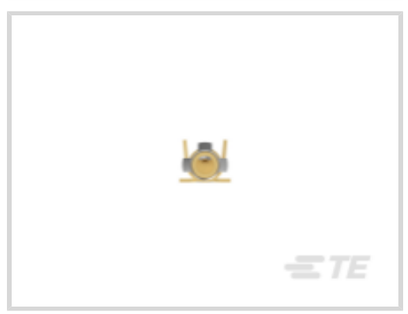
TE Internal #: 66563-8

Gold (Au), Socket Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Locking Spring Contact Retention, Size 16, Discrete Wire, Crimp, Brass, AMP Type III+

View on TE.com >

Connectors > Contacts > Connector Contacts

Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Spring**

Features

Product Type Features

Discrete Wire Type	Solid or Stranded
Sealable	No

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Contact Features

Barrel Type	Open
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
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	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.76 µm[30 µin]

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Spring
Wire Insulation Support	With

Dimensions

Wire Size	.2 – .6 mm²
Compatible Insulation Diameter Range	1.52 – 3.05 mm[.06 – .12 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Contact Color Code	Yellow

Packaging Features

Packaging Quantity	4000
Packaging Method	Reel, Reverse Reel

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 # 5-2151669-2
OCEAN-2.0-APPLICATOR-S-062F120O-RSA



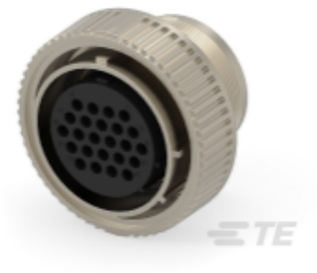
TE Part # 539972-1
EXTRACTION TOOL



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



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



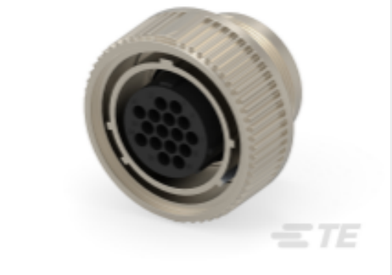
TE Part # 208457-3
CMC PLUG ASSEMBLY,SZ 28-24



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



TE Part # 2151669-2
OCEAN-2.0-APPLICATOR-S-062F120OA-RSA



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



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



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



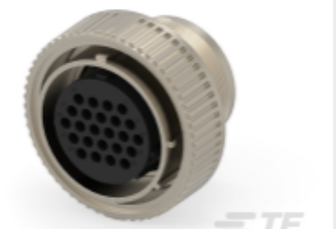
TE Part # 796449-1
PLUG ASSY,CPC,17-14,REV SEX



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



TE Part # 5-2151669-1
OCEAN-2.0-APPLICATOR-S-062F120O-RSM



TE Part # 208457-1
CMC PLUG ASSEMBLY,SZ 28-24



TE Part # 211400-1
CPC PLUG ASSEMBLY SIZE 13-7



TE Part # 213848-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 208718-1
CMC PLUG ASSEMBLY,SZ 14-5



TE Part # 206708-1
CPC PLUG ASSEMBLY SIZE 13-9



TE Part # 206837-1
CPC PLUG ASSEMBLY SIZE 23-24



TE Part # 206150-1
CPC PLUG ASSEMBLY SIZE 23-37

Also in the Series | AMP Type III+



Connector Contacts(260)

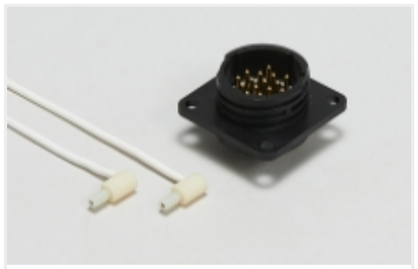


Insertion & Extraction Tools(4)



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



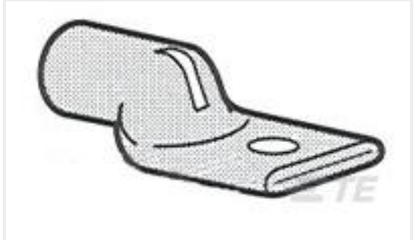
TE Part #5053334031
RNF-100-1-9-SP



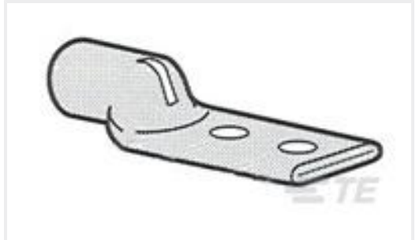
TE Part #52264-5
TERMINAL R PG 6 3/8



TE Part #325803
TERMINAL,AMPOWER 300MCM 3/8



TE Part #325805
TERMINAL,AMPOWER 300MCM 1/2



TE Part #326805
TERMINAL,AMPOWER 300MCM 3/8



TE Part #696059-1
9" AMPOWER CABLE PIGTAIL ASSY

TE Part #1958593-1
TERM, RING, AMPOWER, 250MCM, M12[1/2]

TE Part #1958594-1
TERM, RING, AMPOWER, 300MCM, 3/8

TE Part #1958595-1
TERM, RING, AMPOWER, 300MCM, M12[1/2]

TE Part #1986221-1
CMC Plug assembly/ clamp kit 28-24

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_66563-8_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_66563-8_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_66563-8_Y.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

Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English