1977889-1 ✔ ACTIVE

AMP | Circular Plastic Connectors Series 5, AMP Circular Plastic Connectors

TE Internal #: 1977889-1

3 Position Circular Power Connector, Housing, 250 VDC, Wire-to-Wire, Sealable, Wire & Cable, Plug, Reverse Gender, AMP Circular Plastic Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors







Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Connector System: **Wire-to-Wire**

Number of Positions: **3**

Sealable: **Yes**

Features

Product Type Features

Connector Seal & Plug Type	Wire Entry Seal
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Plug
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	3
Number of Power Positions	3
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Reverse Gender	Yes
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Polarization Code	A
Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon (UV Resistant)
Circular Connector Shell Size	17

Dimensions

Compatible Insulation Diameter Range	2.41 – 5.21 mm[.095 – .205 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	24
Packaging Method	Tray

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

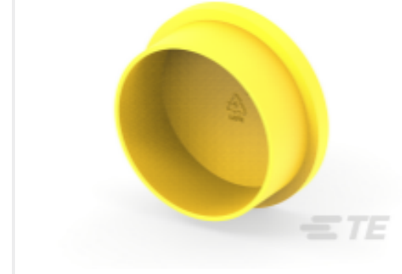
Compatible Parts



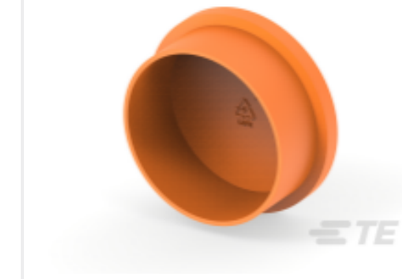
TE Part # 5-2407269-2
CAP, CPC, SIZE 23 PLUG, BLACK



TE Part # 5-2407269-3
CAP, CPC, SIZE 23 PLUG, RED



TE Part # 5-2407269-4
CAP, CPC, SIZE 23 PLUG, YELLOW

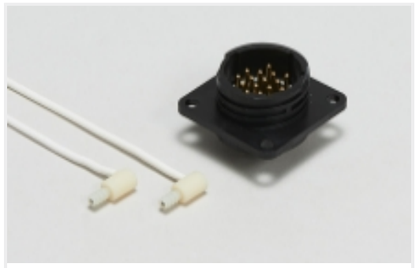


TE Part # 5-2407269-1
CAP, CPC, SIZE 23 PLUG, ORANGE



TE Part # 1977888-1
CPC 17-3 RCPT ASY,REV SEX, UV RESIST

Also in the Series | AMP Circular Plastic Connectors



Circular Power Connectors(10)



Connector Backshells(1)



Connector Caps & Covers(16)



Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

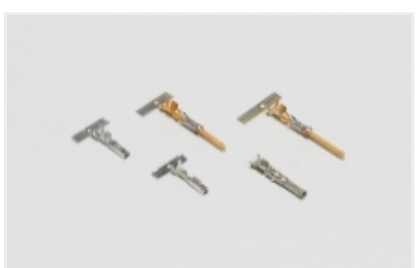
Also in the Series | Circular Plastic Connectors Series 5



Circular Power Connectors(10)



Connector Contacts(18)

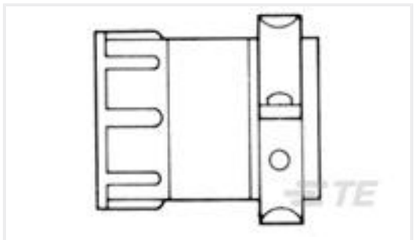


Power Contacts(18)

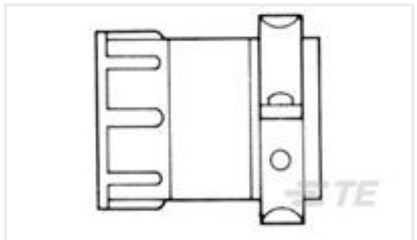
Customers Also Bought



TE Part #66259-2
MALE CONTACT ASSY. (L.P.)



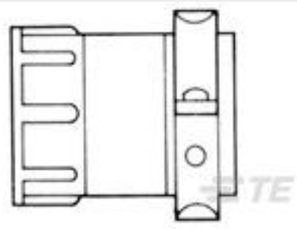
TE Part #1-206322-0
CABLE CLAMP KIT, BULK PKG



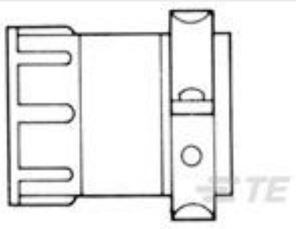
TE Part #206358-5
CABLE CLAMP ASY, SIZE 11



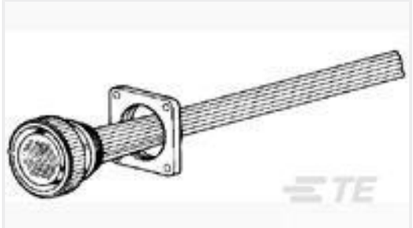
TE Part #206705-2
CPC 13-9 FREE HANGING RECPT



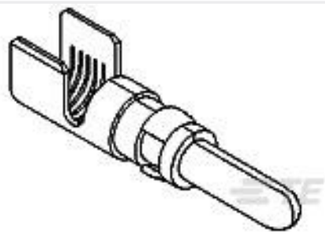
TE Part #207008-5
CABLE CLAMP, SIZE 13



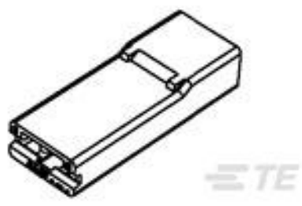
TE Part #207008-6
CABLE CLAMP KIT, BULK PKG



TE Part #207299-2
FLANGE PLUG MOUNT CPC



TE Part #213841-4
PWRBAND PIN CNT ASSY,8-10,L.P.



TE Part #735075
250 FASTON HSG. REC. 1P CLEAR



TE Part #2112323-1
SINGLE WIRE SEAL,MT 2,VT

Documents

Product Drawings

CPC 17-3 PLUG ASY,REV SEX, UV RESIST

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1977889-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1977889-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1977889-1_B.3d_stp.zip

English

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Product Specifications

Product Specification

English