

1977888-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977888-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 3 Position, Sealable, Wire & Cable, Receptacle, Reverse Gender, Socket, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > Environmentally Sealed Circular Connector, CPC Series 5



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Number of Positions: **3**

Sealable: **Yes**

[All Environmentally Sealed Circular Connector, CPC Series 5 \(8\)](#)

Features

Product Type Features

Connector Seal & Plug Type	Peripheral, Wire Entry Seal
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
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
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

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]
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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
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Packaging Features



Packaging Quantity	24
Packaging Method	Package

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 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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



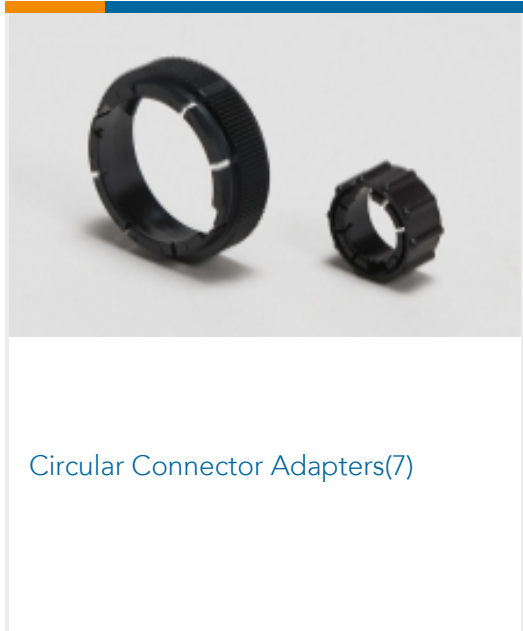


TE Part # 4-2407269-1
CAP, CPC, SIZE 17 RECP, ORANGE

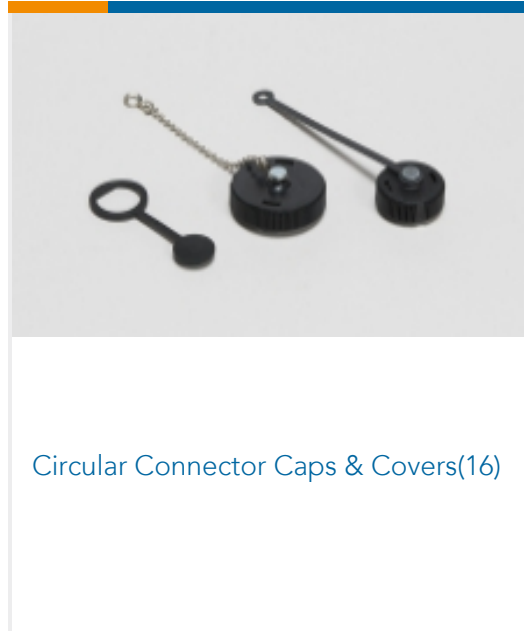


TE Part # 197889-1
ANVIL HOLDER

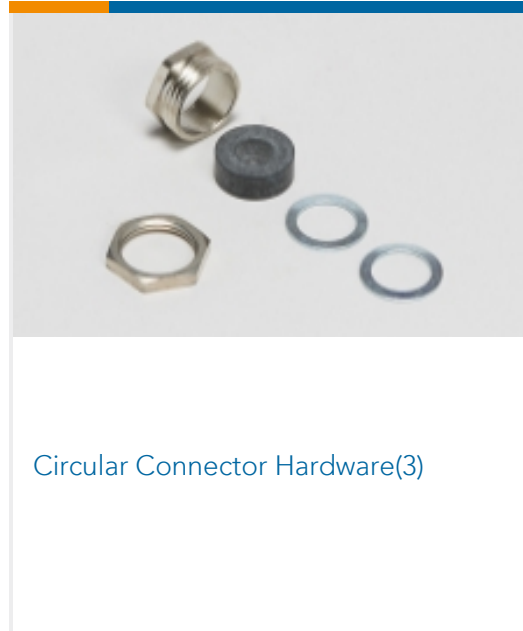
Also in the Series | AMP CPC



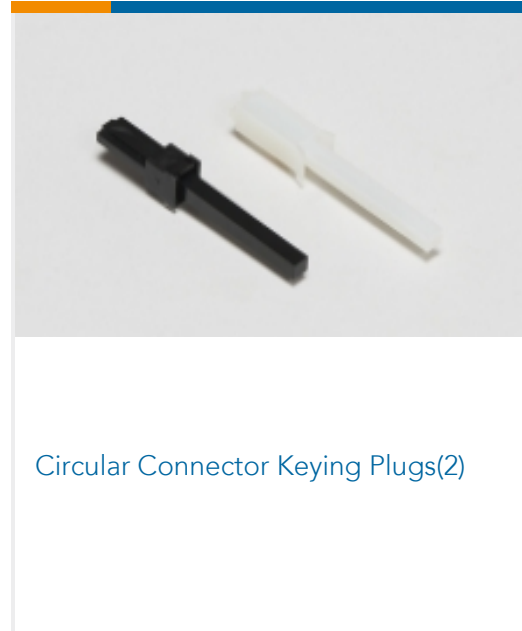
Circular Connector Adapters(7)



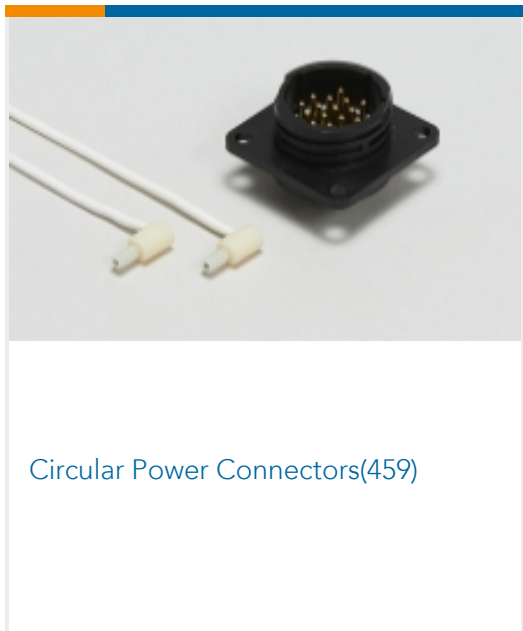
Circular Connector Caps & Covers(16)



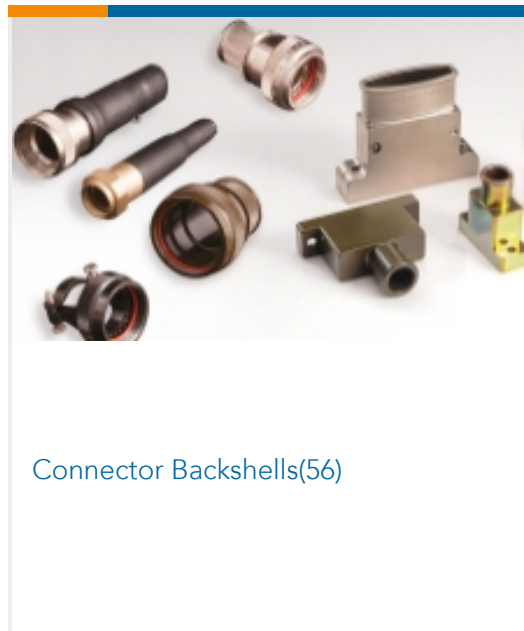
Circular Connector Hardware(3)



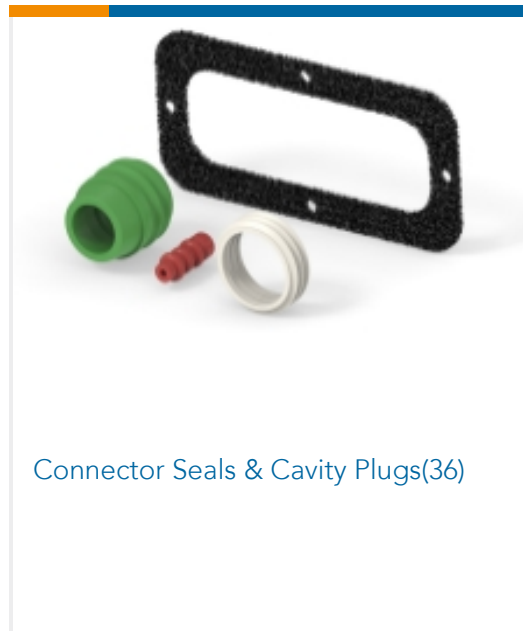
Circular Connector Keying Plugs(2)



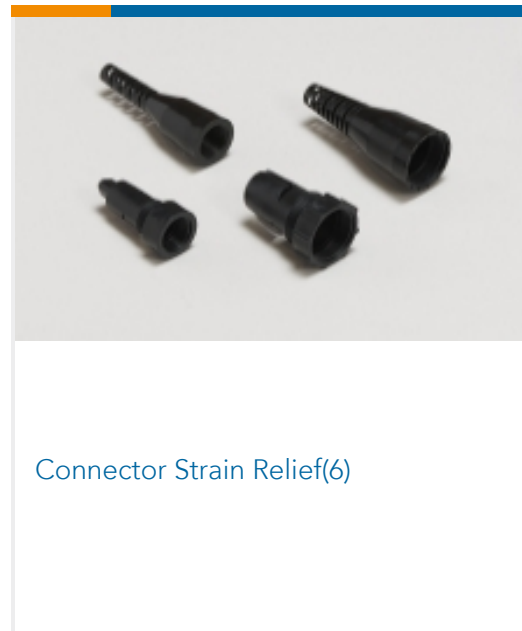
Circular Power Connectors(459)



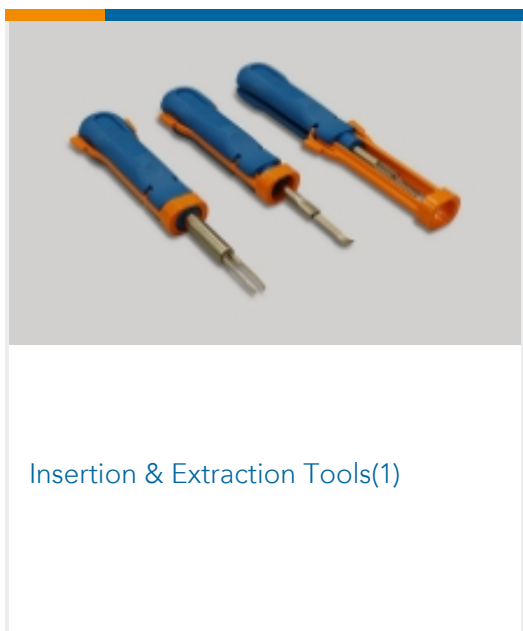
Connector Backshells(56)



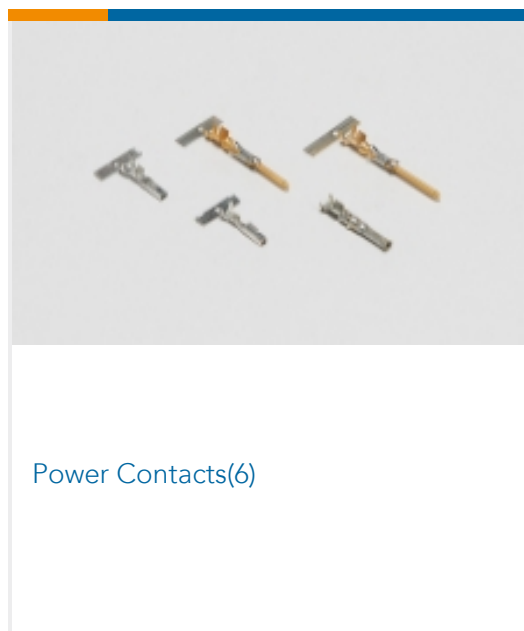
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #206038-1
CPC Connectors, Series 2



TE Part #213843-4
POWERBAND Contacts



TE Part #202237-5
III+ SOC, SOLTAB, TIN, LP



TE Part #66506-9
PIN CONTACT, 20 DF



TE Part #7-1579008-6
UNLOCKING TOOL



TE Part #205839-3
CPC PLUG ASSEMBLY SIZE 17-28



TE Part #91388-1
PRO-CRIMPER TOOL & DIE

Documents

Product Drawings

[CPC 17-3 RCPT ASY,REV SEX, UV RESIST](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1977888-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977888-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977888-1_C.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

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