

1977889-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977889-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 3 Position, Sealable, Wire & Cable, Plug, Reverse Gender, Pin, Power & Signal, AMP CPC

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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 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
Seal Type	Wire Entry Seal
Keying	A
Number of Signal Positions	0

### Electrical Characteristics



Operating Voltage	250 VAC
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### Contact Features

Reverse Gender	Yes
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Contact Type	Pin
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Contact Protection	With
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### Mechanical Attachment

Screw & Hole Thread Size	15/16-20 UNEF – 2A
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Mating Alignment	With
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Mating Retention	With
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Panel Mount Feature	Without
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Mating Alignment Type	Keyed
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Mating Retention Type	Threaded Coupling
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### Housing Features

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

Accepts Wire 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]
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Fluid Resistance	Immersion
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### Operation/Application

Circuit Application	Power & Signal
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Shielded	No
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### Industry Standards

UL Flammability Rating	UL 94V-0
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VDE Tested	No
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### Packaging Features

Packaging Method	Tray
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Packaging Quantity	24
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## 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 2022 (224) Candidate List Declared Against: JAN 2021 (211) 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

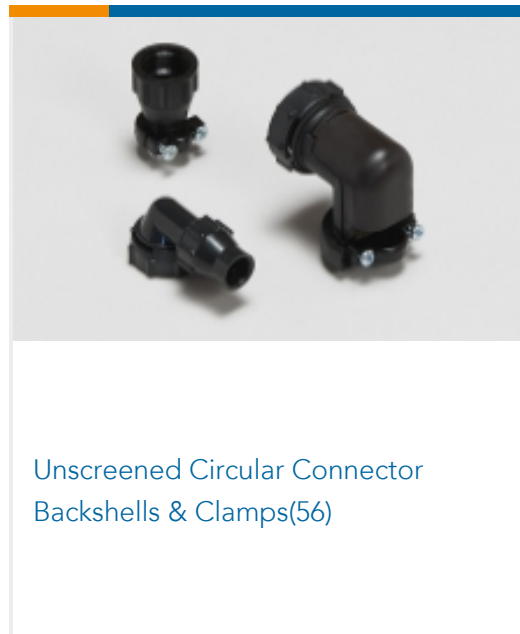
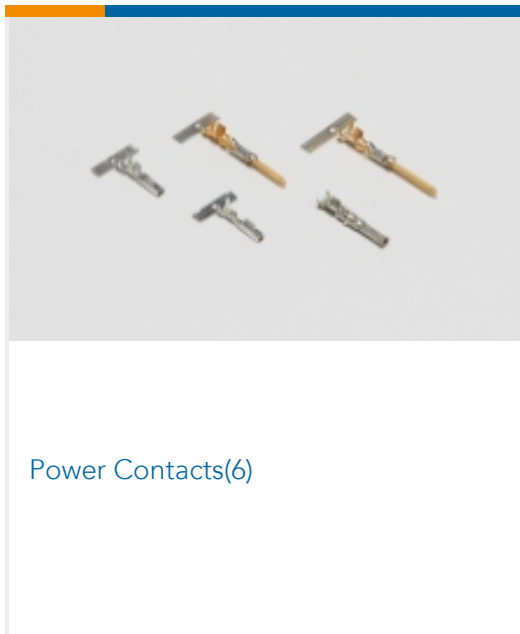
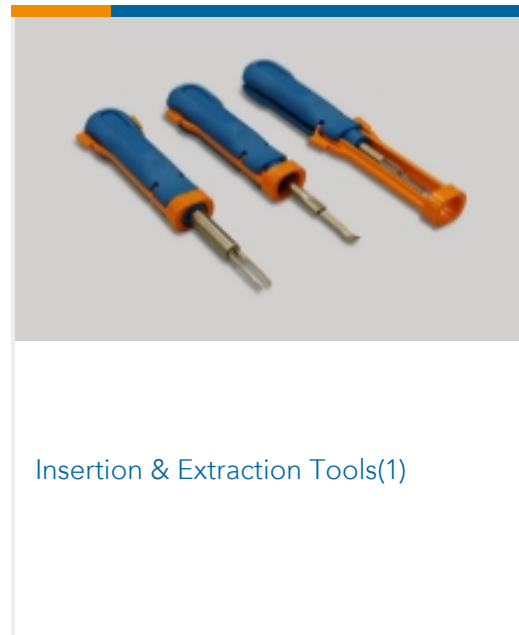
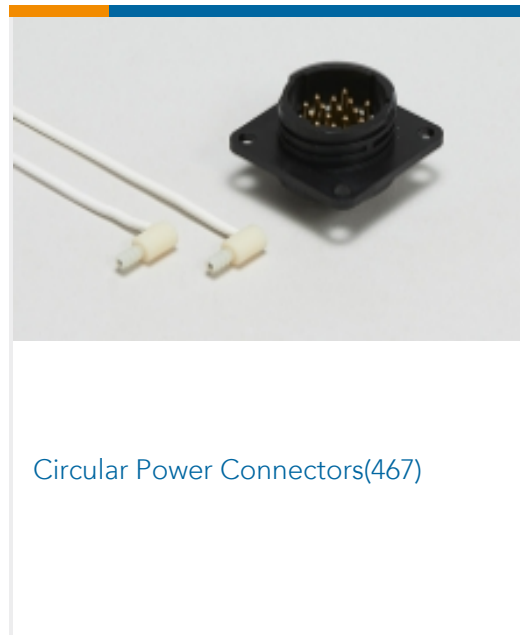
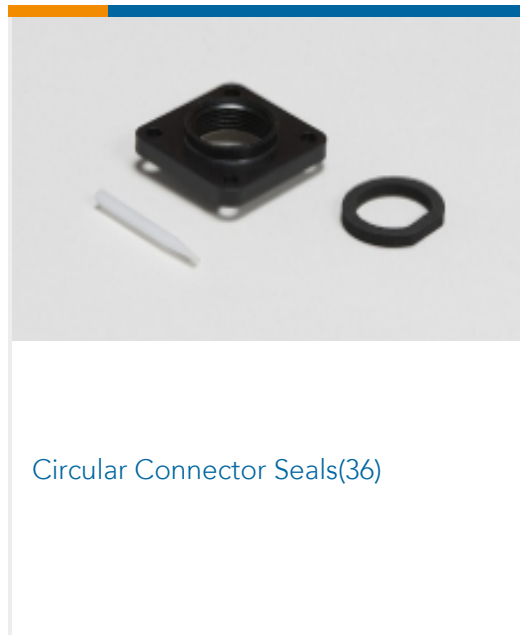
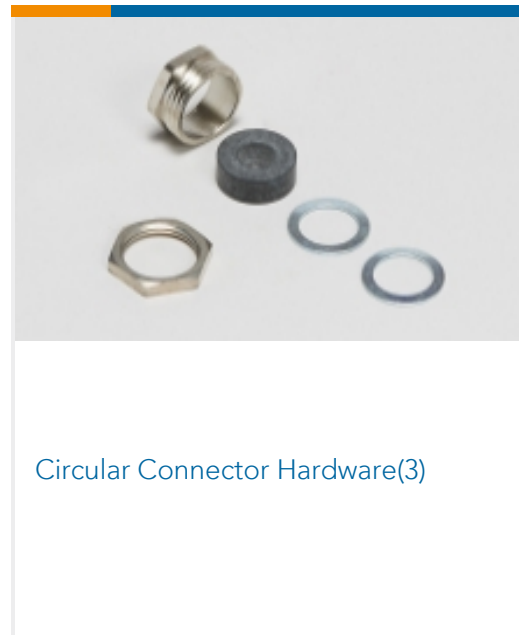
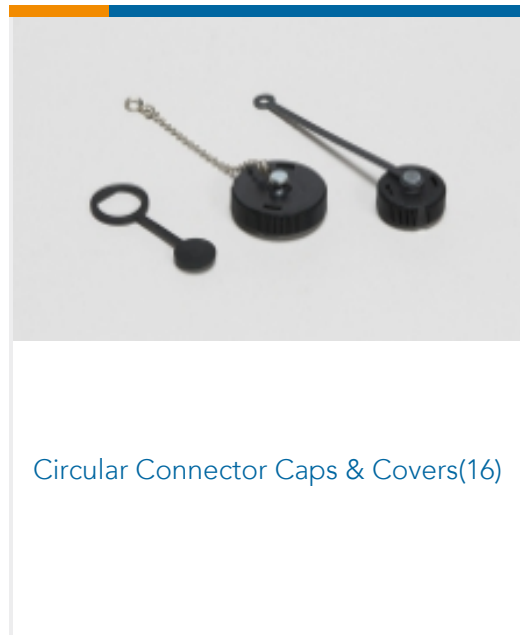
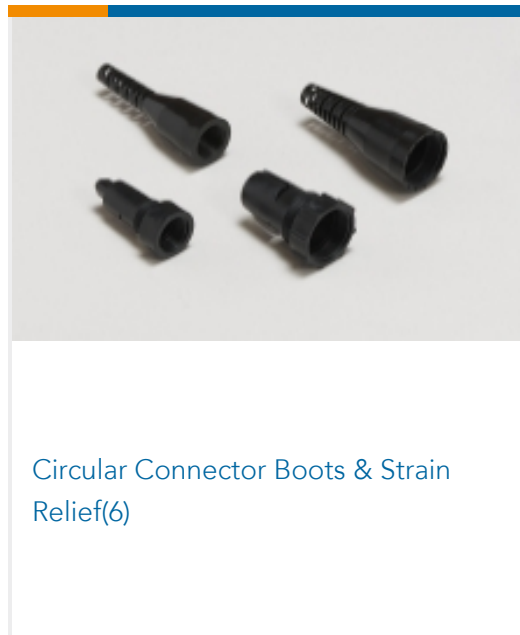
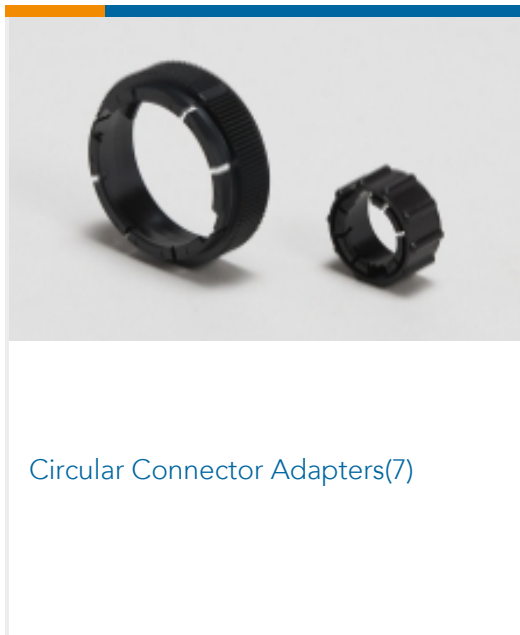
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 1977888-1 CPC 17-3 RCPT ASY,REV SEX, UV RESIST</p>	 <p>TE Part # 5-2407269-1 CAP, CPC, SIZE 23 PLUG, ORANGE</p>	 <p>TE Part # 5-2407269-2 CAP, CPC, SIZE 23 PLUG, BLACK</p>	 <p>TE Part # 5-2407269-4 CAP, CPC, SIZE 23 PLUG, YELLOW</p>
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Also in the Series | AMP CPC



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