

1445819-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1445819-1

AMP CPC, Circular Power Connectors, Housing, Operating Voltage 250 VDC, 30 – 18AWG Wire Size, .0509 – .823mm<sup>2</sup> Wire Size, Wire-to-Wire, 6 Position

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors > MINI CPC



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 – .823 mm<sup>2</sup>**

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

[All MINI CPC \(53\)](#)

## 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	6
Number of Power Positions	0
Seal Type	Wire Entry Seal
Number of Signal Positions	6

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Reverse Gender	No
Contact Type	Socket



Contact Current Rating (Max)	5.9 A
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Screw & Hole Thread Size	3/4-20 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 Retention Type	Threaded Coupling
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### Housing Features

Housing Color	Black
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Housing Material	Thermoplastic
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Circular Connector Shell Size	11
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### Dimensions

Wire Size	.0509 – .823 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	.89 – 1.5 mm [.035 – .059 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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### Packaging Features

Packaging Method	Bag
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Packaging Quantity	100
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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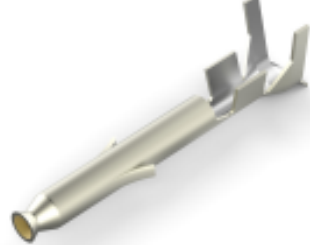
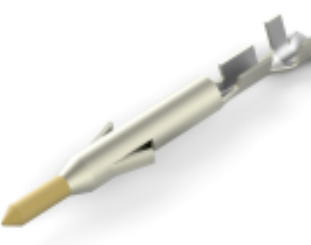

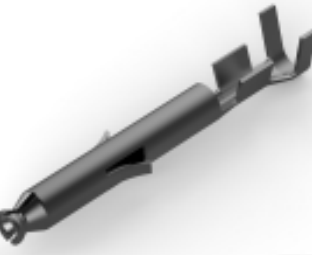



China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

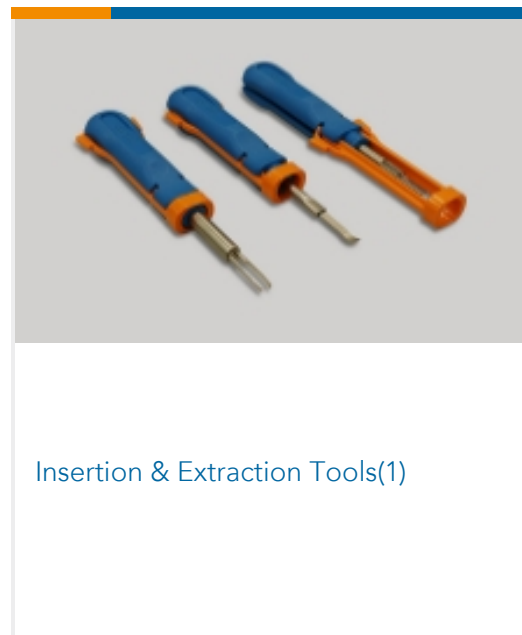
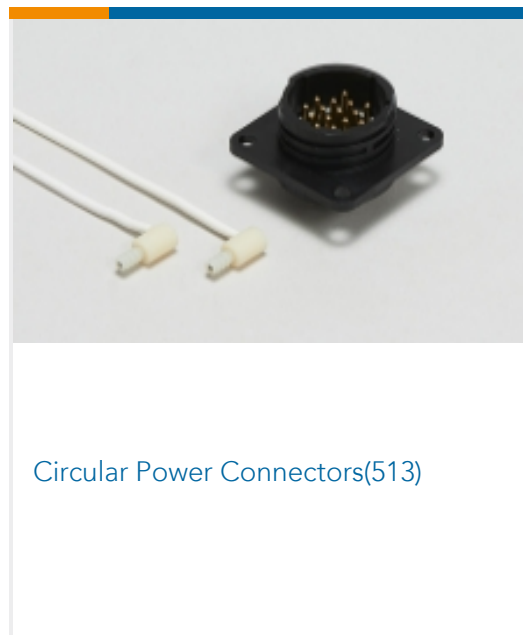
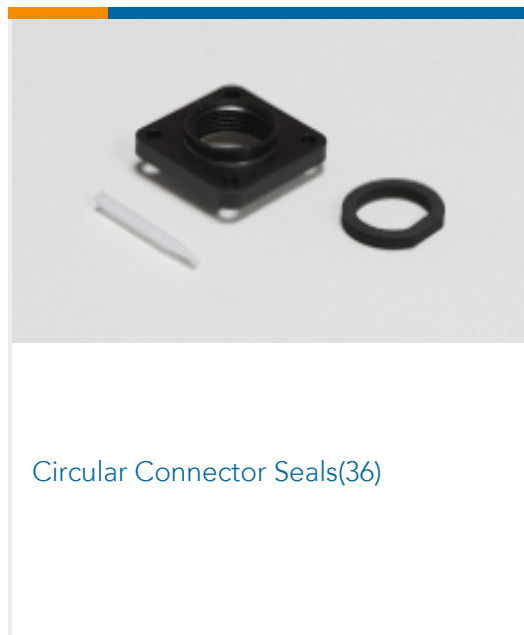
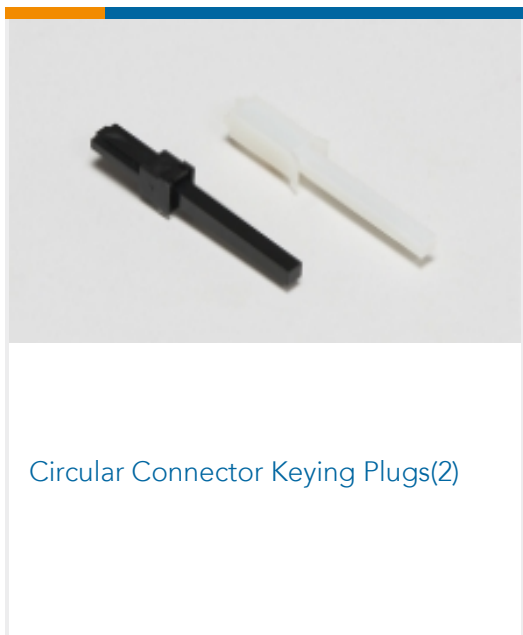
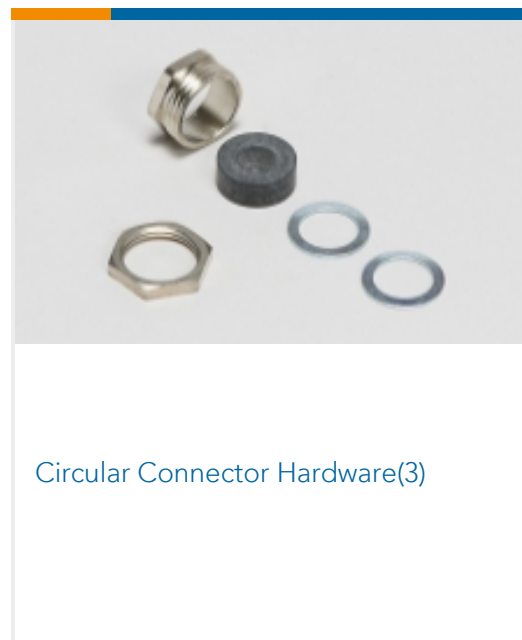
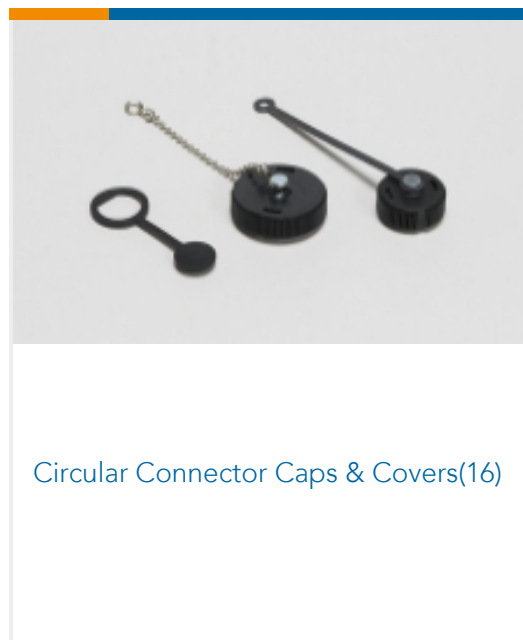
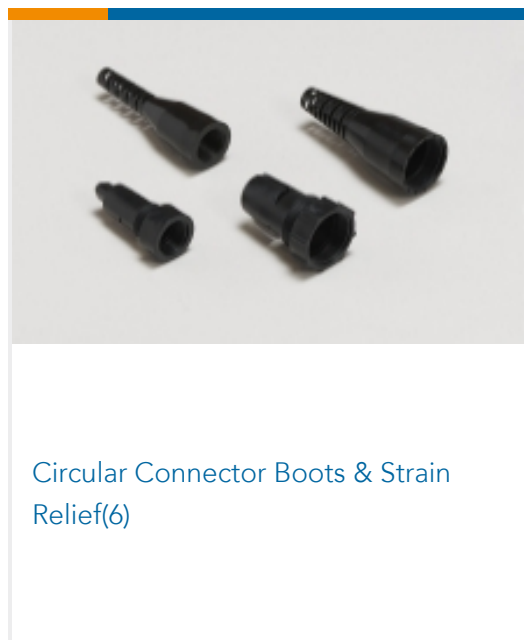
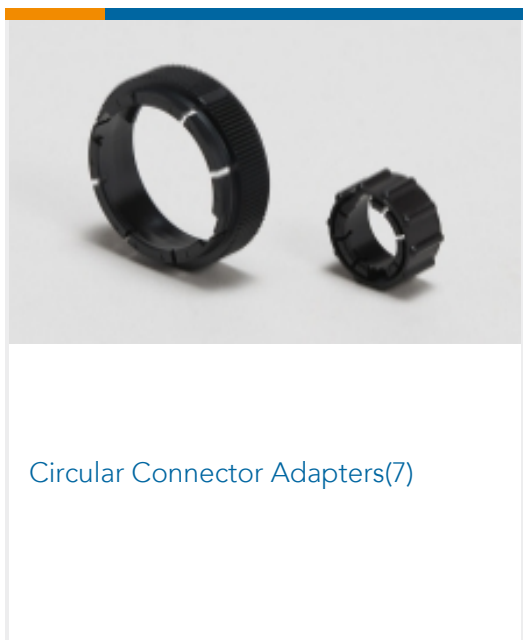
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

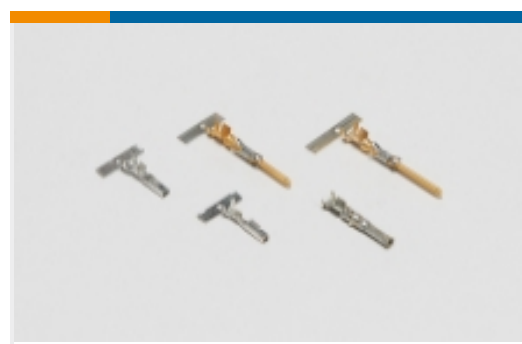
## Compatible Parts

 <p>TE Part # CAT-AM71-C83998EE MINI CPC</p>	 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>	 <p>TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU</p>	 <p>TE Part # 1-794059-0 MINI UMNL PIN L/P LF</p>
 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>	 <p>TE Part # 794058-1 MINI UMNL SOK L/P</p>	 <p>TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP</p>



Also in the Series | AMP CPC





Power Contacts(6)

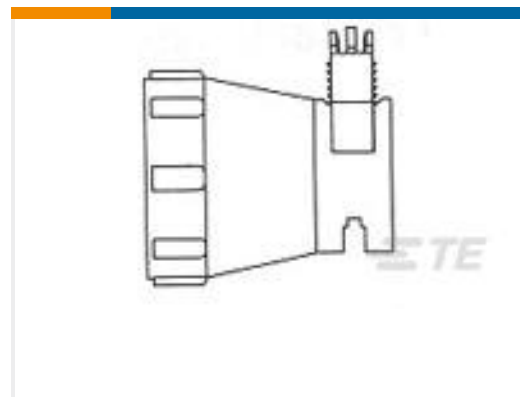


Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(5)

## Customers Also Bought

TE Part #1445828-1  
MINI CPCTE Part #1445856-1  
STR RELIEF ASY, STRAIGHT SZ 11TE Part #788189-2  
CPC 17-3 RCPT ASY, REV SEXTE Part #TAA755A5501-020  
M12A5-MS-FS-PUR-2.0MTE Part #1604816-1  
MINI CPC SEAL PROTECTORTE Part #C0-0138-000-000  
POSITIONING INSERT FOR 2 MM CONTACTS

## Documents

### Product Drawings

[PLUG,11-6,SM INS,STD KEY](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1445819-1\\_C1.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1445819-1\\_C1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445819-1\\_C1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.





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**Datasheets & Catalog Pages**

[1-1773902-9\\_CPC\\_Catalog](#)

German

[1-1773902-9\\_CPC\\_Catalog](#)

English

[1-1773902-9\\_CPC\\_Catalog](#)

[1-1773902-9\\_CPC\\_Catalog](#)

Japanese

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

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**Product Specifications**

[Application Specification](#)

English