

796188-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 796188-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 24 Position, Sealable, Wire & Cable, Plug, Socket, Signal, Black, All Plastic, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > One-Piece Connector, Sealed, CPC Series 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **24**

Sealable: **Yes**

[All One-Piece Connector, Sealed, CPC Series 1 \(33\)](#)

## 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	With
Number of Positions	24
Number of Power Positions	0
Seal Type	Wire Entry Seal
Keying	A
Number of Signal Positions	24



### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Protection	With

### Mechanical Attachment

Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

### Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon
Circular Connector Shell Size	23

### Usage Conditions

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

### Operation/Application

Circuit Application	Signal
Shielded	No

### Industry Standards

UL Flammability Rating	UL 94V-0
VDE Tested	No

### Packaging Features

Packaging Method	Bag
Packaging Quantity	100

## Product Compliance









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

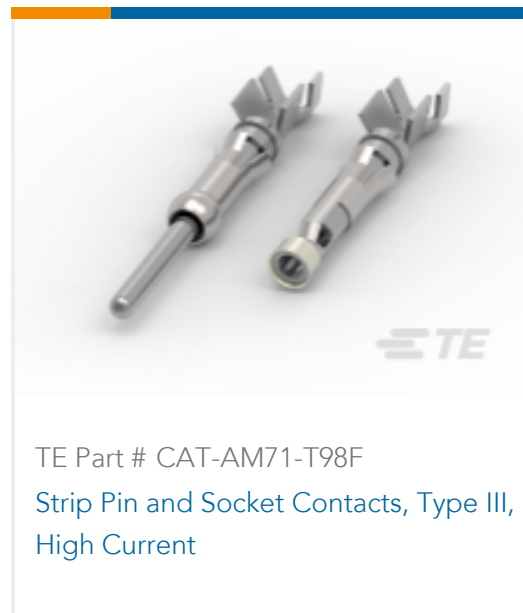
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

### Product Compliance Disclaimer

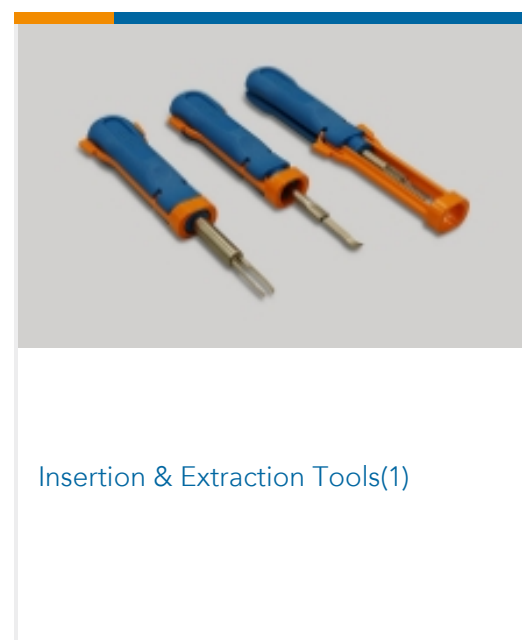
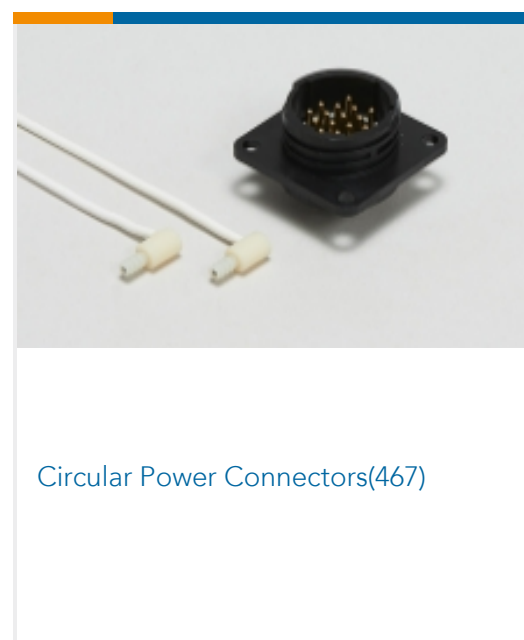
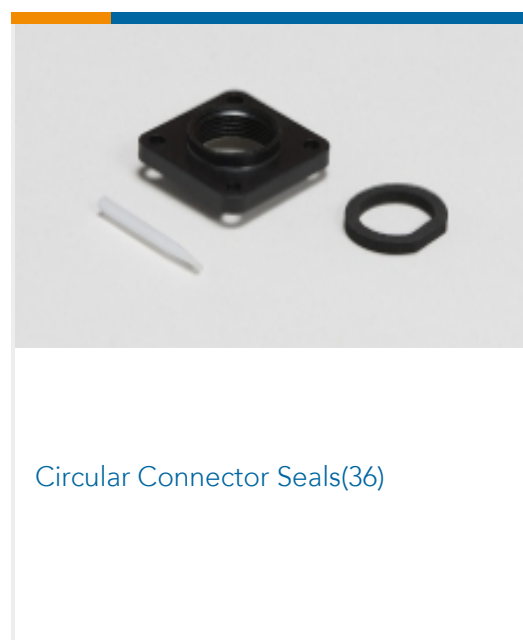
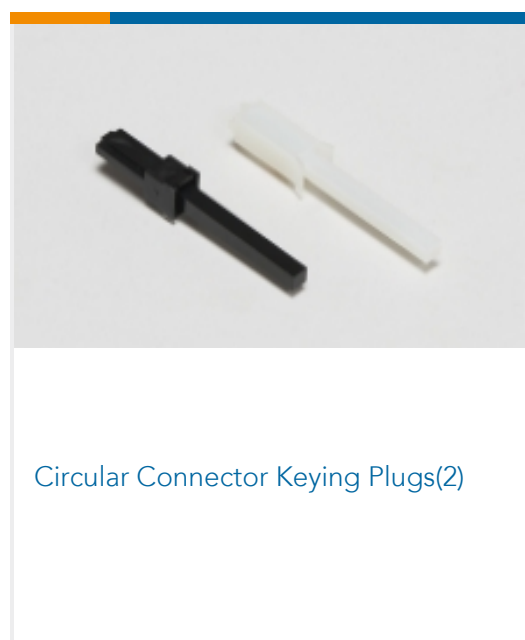
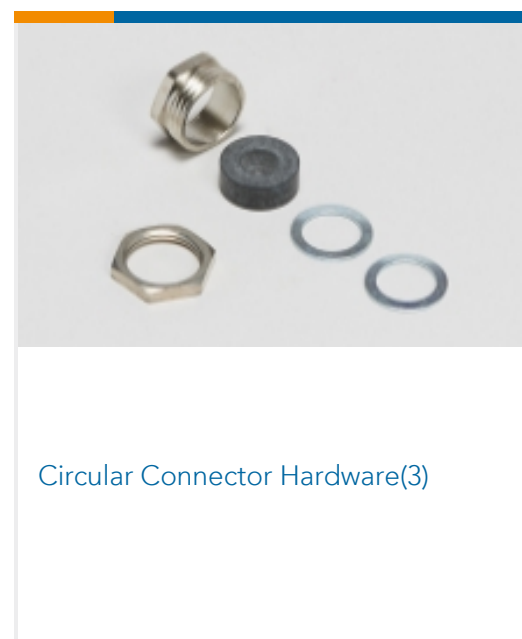
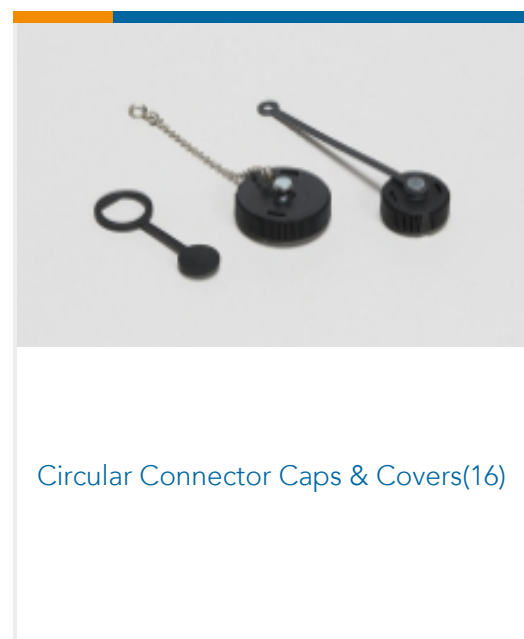
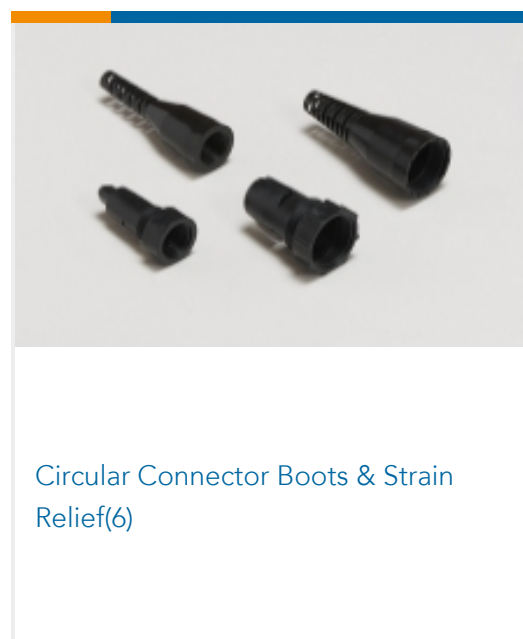
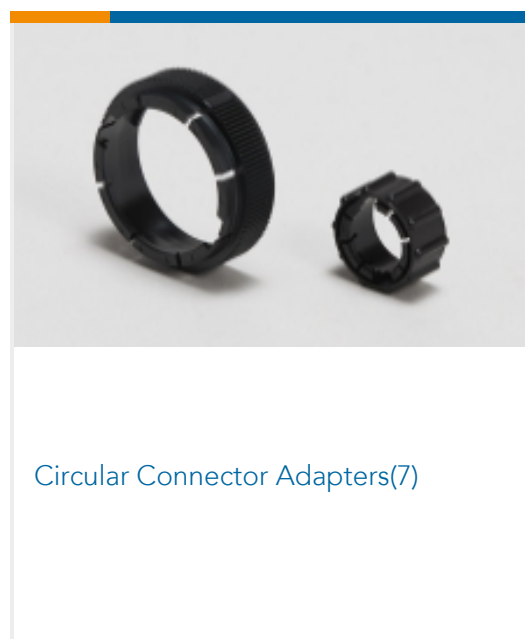
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

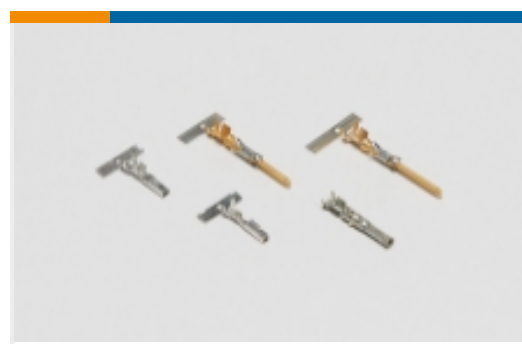
## Compatible Parts

 <p>TE Part # CAT-AM71-C83998Y One-Piece Connector, Sealed, CPC Series 1</p>	 <p>TE Part # 54012-1 CPC STRAIN RELIEF, SIZE 23</p>	 <p>TE Part # CAT-AM71-T98 Pin and Socket Contacts, Type II</p>	 <p>TE Part # CAT-AM71-C83998L CPC Sealed Accessories</p>
 <p>TE Part # CAT-AM71-T98E Pin and Socket Contacts, Type III, LP</p>	 <p>TE Part # CAT-AM71-T98D Pin and Socket Contacts, Type III, LP EMEA</p>	 <p>TE Part # CAT-AM71-T98A Strip Pin and Socket Contacts, Type III, LP</p>	 <p>TE Part # CAT-AM71-T98G Pin and Socket Contacts, Type III, LP, High Current</p>

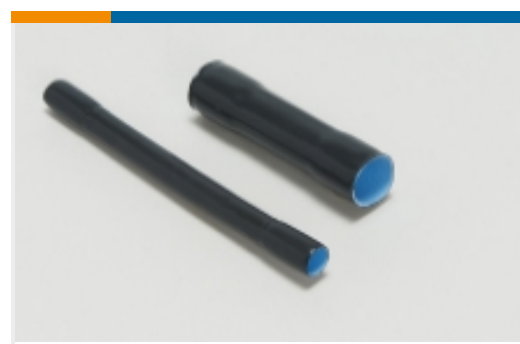


Also in the Series | AMP CPC





Power Contacts(6)

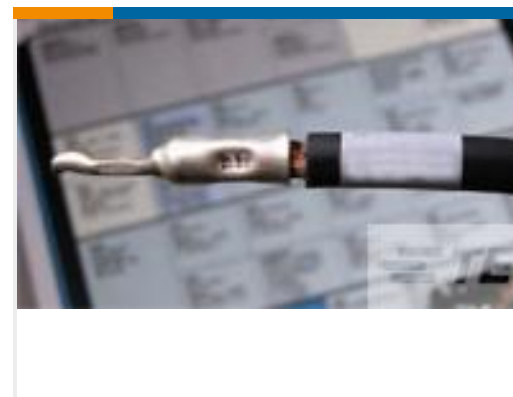
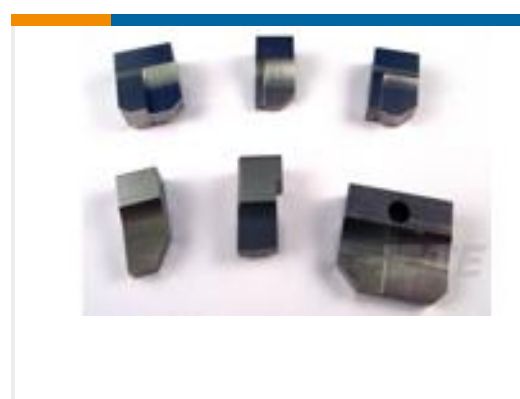
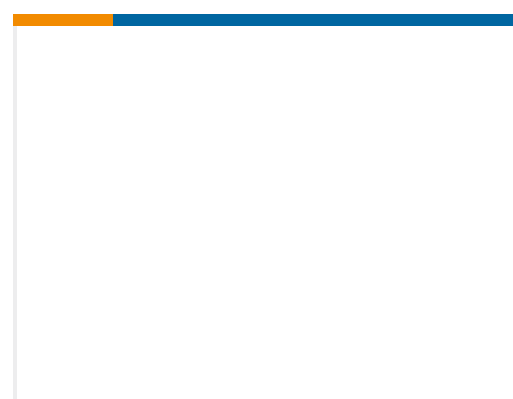
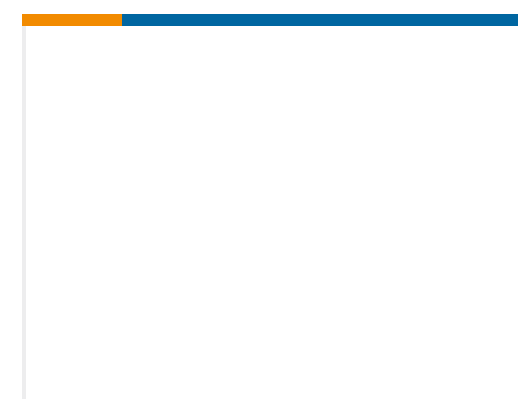


Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(5)

## Customers Also Bought

TE Part #788157-2  
One-Piece Connector, Sealed, CPC Series 1TE Part #4-644563-0  
10P MTA100 CONN ASSY F/T 24AWGTE Part #E56137-000  
SP100143WE5TE Part #1040736001  
DWFC-4/1-X-STKTE Part #2267473-3  
SIZE 23 PERIPHERAL SEAL, CPCTE Part #4-1633138-4  
ANVIL, COMBINATIONTE Part #0298696001  
DWFC-8/2-X-STKTE Part #174952-2  
070 MULTI LOCK 20P PLUG

## Documents

### Product Drawings

[SLD CPC PLUG ASSY,23-24,STD SX](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_796188-1\\_D.2d\\_dxf.zip](#)

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**Datasheets & Catalog Pages**

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

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**Product Specifications**

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**Agency Approvals**

[UL Report](#)

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