



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Plastic Connector with Metal Shell, CMC Series 4



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **10 – 16 AWG**

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

Number of Positions: **22**

[All Circular Plastic Connector with Metal Shell, CMC Series 4 \(5\)](#)

## 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	Metal-Shell

### Configuration Features

Reverse Numbering	Without
Number of Positions	22
Number of Power Positions	2
Seal Type	Tetraseal
Number of Signal Positions	20

### Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

### Contact Features

Reverse Gender	No
Contact Type	Socket



Contact Current Rating (Max)	25 A
Contact Protection	With

#### Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

#### Mechanical Attachment

Screw & Hole Thread Size	1-7/16-18 UNEF-2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

#### Housing Features

Housing Plating Material	Nickel
Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	28

#### Dimensions

Wire Size	10 – 16 AWG
Accepts Wire Insulation Diameter Range	5.59 mm[.22 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
VDE Tested	No

#### Packaging Features

Packaging Method	Tray
------------------	------



Packaging Quantity

10

### Product Compliance

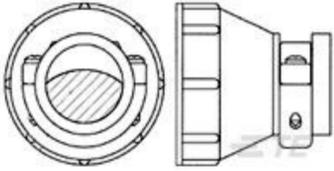
[For compliance documentation, visit the product page on TE.com>](#)

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	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

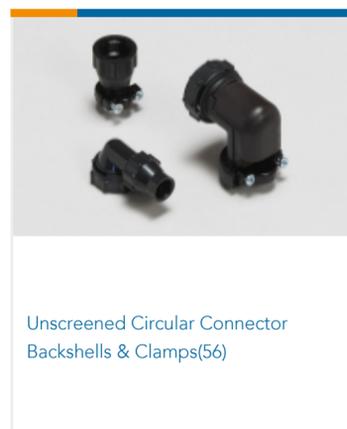
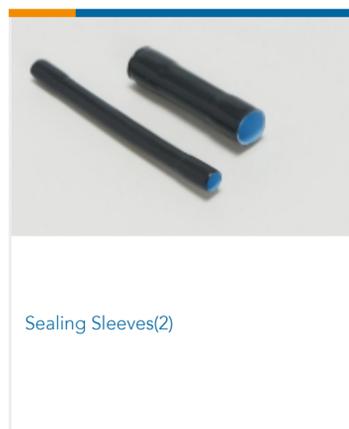
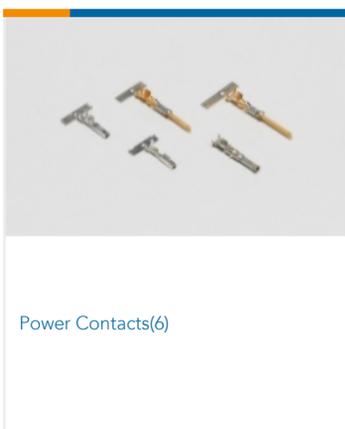
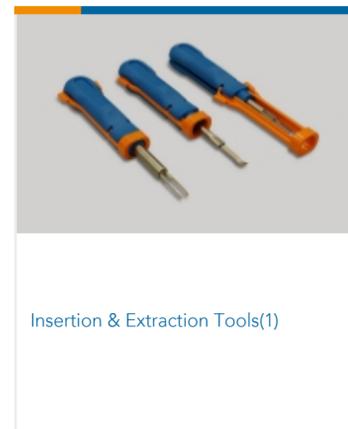
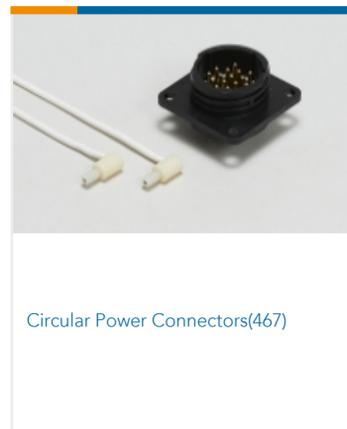
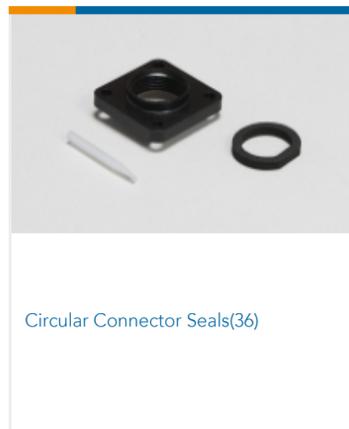
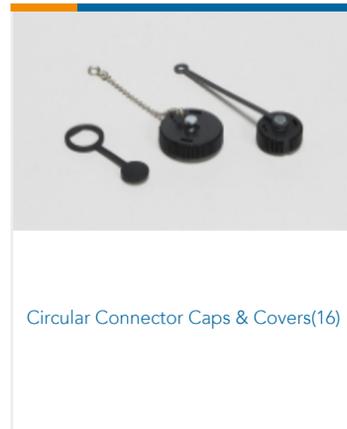
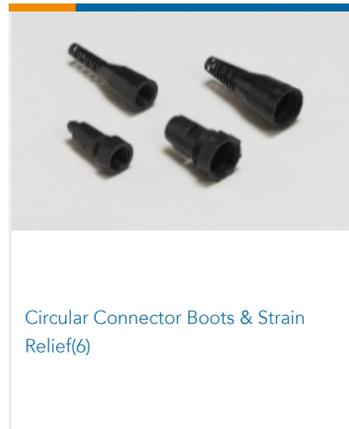
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-C83998CC CPC Connector Housing, Series 4</p>	<p>TE Part # CAT-AM71-C83998S Circular Plastic Connector with Metal Shell, CMC Series 4</p>	<p>TE Part # 1776089-1 CMC PLUG ASSEMBLY, SZ 28</p>	<p>TE Part # 208945-8 SZ 28 UNASSM KIT, CMC</p>



## Also in the Series | AMP CPC



## Documents

### Product Drawings

PLUG ASSEMBLY, SZ 28, CMC

English

### CAD Files

3D PDF

English

Customer View Model



[ENG\\_CVM\\_208480-3\\_N.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_208480-3\\_N.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_208480-3\\_N.3d\\_stp.zip](#)

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_208480-3\\_R.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_208480-3\\_R.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_208480-3\\_R.3d\\_stp.zip](#)

English

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

---

### 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

---

### Product Specifications

[Product Specification](#)

English

---

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

---

### Agency Approvals

[CSA Certificate](#)

English