



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Connector, CMC Series 3



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **10 – 16 AWG**

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

Number of Positions: **7**

[All Circular Connector, CMC Series 3 \(10\)](#)

## Features

### Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Plug
Circular Connector Shell Type	Metal-Shell

### Configuration Features

Reverse Numbering	Without
Number of Positions	7
Number of Power Positions	7
Number of Signal Positions	0

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	25 A



Contact Protection	With
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### Termination Features

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

Screw & Hole Thread Size	1-3/16-18 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

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

Wire Size	10 – 16 AWG
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Accepts Wire Insulation Diameter Range	5.59 mm [.22 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Fluid Resistance	None
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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	Carton
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Packaging Quantity	10
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## Product Compliance

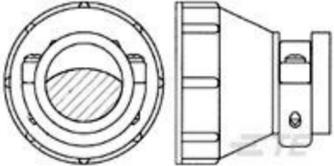
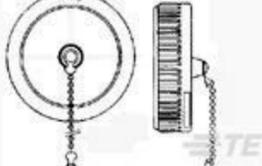
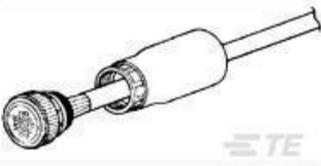
[For compliance documentation, visit the product page on TE.com>](#)

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	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 # 208483-1 CMC RECEPTACLE ASSY, SIZE 28</p>	 <p>TE Part # 208945-8 SZ 28 UNASSM KIT, CMC</p>	 <p>TE Part # 211904-1 CMC DUST CAP ASSM SIZE 28</p>	 <p>TE Part # 54012-4 CPC STRAIN RELIEF, SIZE 23</p>
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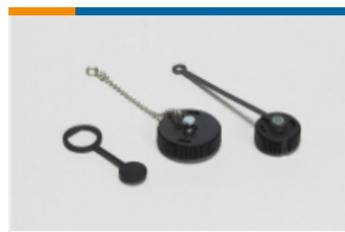
Also in the Series | **AMP CPC**



Circular Connector Adapters(7)



Circular Connector Boots &amp; Strain Relief(6)



Circular Connector Caps &amp; Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(56)

## Documents

### Product Drawings

#### CMC PLUG ASSEMBLY,SZ 28

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208482-1\\_T.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208482-1\\_T.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208482-1\\_T.3d\\_stp.zip](#)

English

#### 3D PDF

English



**Customer View Model**

[ENG\\_CVM\\_208482-1\\_R.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_208482-1\\_R.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_208482-1\\_R.3d\\_stp.zip](#)

English

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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**

[Product Specification](#)

English

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**Instruction Sheets**

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

English

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**Agency Approvals**

[CSA Certificate](#)

English