



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Plastic Connector, CMC Series 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **.05 - .2 mm<sup>2</sup>**

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

[All Circular Plastic Connector, CMC Series 1 \(24\)](#)

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Connector Seal & Plug Type        | Tetraseal    |
| 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       | 16      |
| Number of Power Positions | 0       |

|                            |    |
|----------------------------|----|
| Number of Signal Positions | 16 |
|----------------------------|----|

Electrical Characteristics

|  |  |
|--|--|
|  |  |
|--|--|



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

Contact Features

|                              |        |
|------------------------------|--------|
| Reverse Gender               | No     |
| Contact Type                 | Socket |
| Contact Current Rating (Max) | 13 A   |
| Contact Protection           | With   |

Termination Features

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

Mechanical Attachment

|                       |                   |
|-----------------------|-------------------|
| Mating Alignment Type | Keyed             |
| Mating Alignment      | With              |
| Mating Retention Type | Threaded Coupling |
| Thread Size           | 1-3/16-18 UNEF-2A |
| Polarization Code     | A                 |
| Mating Retention      | With              |
| Panel Mount Feature   | Without           |

Housing Features

|                               |               |
|-------------------------------|---------------|
| Body Orientation              | Straight      |
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 22            |

Dimensions

|                                      |                          |
|--------------------------------------|--------------------------|
| Compatible Insulation Diameter Range | 2.54 mm[.1 in]           |
| Wire Size                            | .05 - .2 mm <sup>2</sup> |

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 |
|------------------------|----------|



Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 10  |
| Packaging Method   | Box |

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: JAN 2024 (240)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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



TE Part # CAT-AM71-C83998C  
Circular Plastic Connector, CMC Series 1



TE Part # 208945-7  
SZ 22 UNASSM KIT, CMC



TE Part # CAT-AM71-T98  
Pin and Socket Contacts, Type II



TE Part # CAT-AM71-T98E  
Pin and Socket Contacts, Type III, LP





TE Part # CAT-AM71-T98D  
Pin and Socket Contacts, Type III, LP  
EMEA



TE Part # CAT-AM71-T98A  
Strip Pin and Socket Contacts, Type III, LP



TE Part # CAT-AM71-T98G  
Pin and Socket Contacts, Type III, LP,  
High Current



TE Part # CAT-AM71-T98B  
Strip Pin and Socket Contacts, Type III



TE Part # CAT-AM71-T98F  
Strip Pin and Socket Contacts, Type III,  
High Current



TE Part # 91542-1  
CCII TYPE III+ PIN SKT 24-22 ASSY



TE Part # 91519-1  
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



TE Part # 91523-1  
CCII TYPE III+ PIN SKT 24-16 ASSY



TE Part # 193846-1  
SKT ASSY.



TE Part # 201613-1  
CONTACT SOCKET ASSY.



TE Part # 1-66359-9  
III+PIN,18-14,TIN,STRIP



TE Part # 2-66358-1  
III+SKT,18-14,TIN STRIP

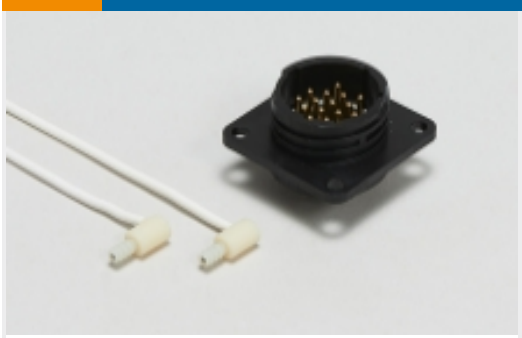


TE Part # 213734-1  
CMC RECEPTACLE ASSY,SIZE 22-16



TE Part # 91515-1  
CCII TYPE III+ MNL PIN SKT 30-20  
ASSY

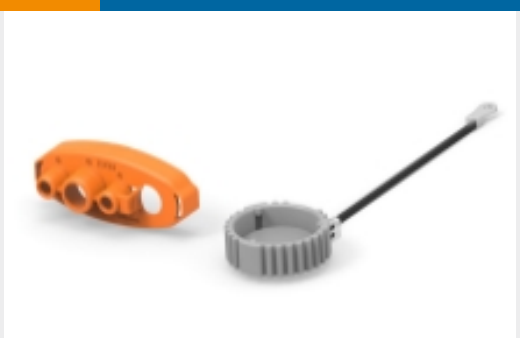
Also in the Series | AMP CPC



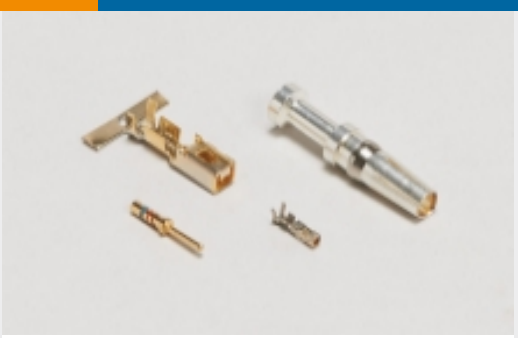
Circular Power Connectors(458)



Connector Backshells(2)



Connector Caps & Covers(16)



Connector Contacts(6)





Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)

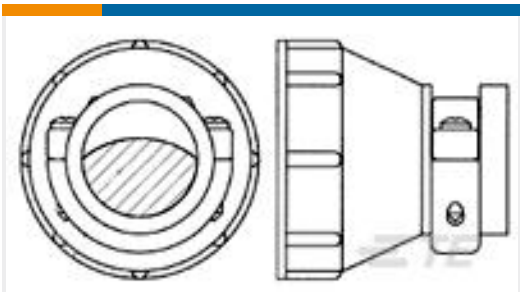


Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 208945-7  
SZ 22 UNASSM KIT,CMC



TE Part # 3-647409-1  
SL156 HOODED CONT, LID,LP LF



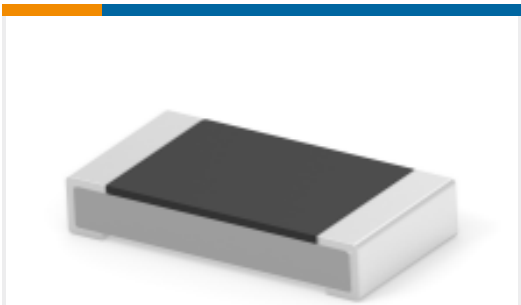
TE Part # 170262-1  
EIS CONTACT



TE Part # 4-1437565-1  
FSM4JSMA=SMT,TACTILE,PB SWITCH



TE Part # 2176186-1  
CRGH1206 1% 120R 0.5W



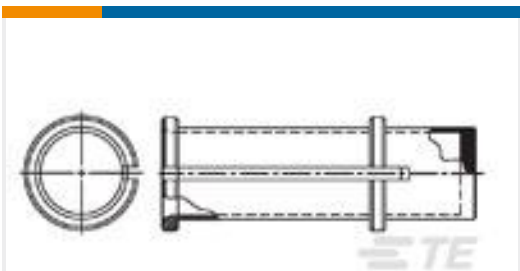
TE Part # 4-2176392-8  
RQ 1206 412K 0.1% 10PPM 5K RL



TE Part # 680887-000  
B-003-00



TE Part # 1609112-1  
10CBE1=F7890 M0



TE Part # A62308-000  
FLX40-030-02

Documents



Product Drawings

CMC PLUG ASSEMBLY,SZ 22

English

CAD Files

Customer View Model

ENG\_CVM\_208488-3\_U.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_208488-3\_U.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_208488-3\_U.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_208488-3\_W.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_208488-3\_W.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_208488-3\_W.3d\_stp.zip

English

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

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English

CSA Certificate

English

