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Connector Product Type: **Housing**  
Operating Voltage: **600 VDC**  
Wire Size: **.05 – .2 mm²**  
Connector System: **Wire-to-Panel**

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

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Housing       |
| Connector System                  | Wire-to-Panel |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |
| Connector & Housing Type          | Receptacle    |
| 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                 | Pin  |
| 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                         |
| Panel Mount Feature Type | Flange with Threaded Inserts |
| Mating Retention Type    | Threaded Coupling            |
| Thread Size              | 15/16-20 UNEF – 2A           |
| Polarization Code        | A                            |
| Connector Mounting Type  | Panel Mount                  |
| Mating Retention         | With                         |
| Panel Mount Feature      | With                         |

Housing Features

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

Dimensions

|                                      |                          |
|--------------------------------------|--------------------------|
| Compatible Insulation Diameter Range | 2.67 mm[.105 in]         |
| Wire Size                            | .05 – .2 mm <sup>2</sup> |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
| Fluid Resistance            | None                       |

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| 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 # 208488-4  
KITTED CMC PLUG ASSY, 22-16



Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(19)



Connector Contacts(6)



Connector Hardware(12)



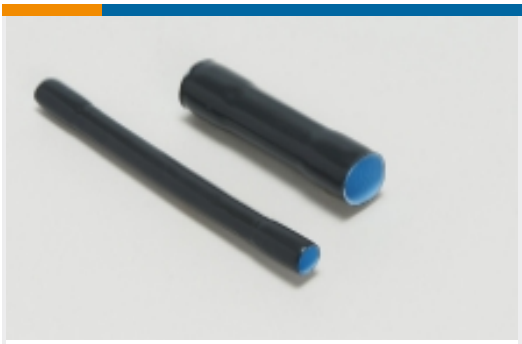
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part #208470-1  
Circular Plastic Connector, CMC Series 1



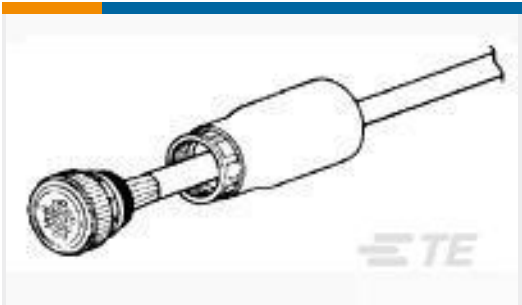
TE Part #1-2308340-3  
FULL METAL HOODS SIZE 1-3 (RAW 180 DEG)



TE Part #1-2308342-3  
FULL METAL HOODS SIZE 3-3 (RAW)



TE Part #66358-5  
III+ SKT,18-14,30AU>10,STRIP



TE Part #54012-4  
CPC STRAIN RELIEF,SIZE 23



TE Part #ZPF0000000000005068  
901-92 R 7-0 PW



TE Part #ZPF0000000000005069  
901-92 R 7-0 PX



Documents

Product Drawings

CMC RECEPTACLE ASSY,SIZE 22

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_208489-1\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_208489-1\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_208489-1\_M.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_208489-1\_Y.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_208489-1\_Y.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_208489-1\_Y.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