



AMP

| AMP Circular Plastic Connectors, Metal Shell Circular Plastic Connectors

TE Internal #: 208485-1

7 Position Circular Power Connector, Housing, 600 VDC, 10 – 16 AWG, Wire-to-Panel, Wire & Cable, Receptacle, AMP Circular Plastic Connectors

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **10 – 16 AWG**

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

Number of Positions: **7**

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        | 7       |
| Number of Power Positions  | 7       |
| Number of Signal Positions | 0       |

Electrical Characteristics

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



Contact Features

|                              |        |
|------------------------------|--------|
| Reverse Gender               | Yes    |
| Contact Type                 | Socket |
| Contact Current Rating (Max) | 25 A   |
| Contact Protection           | With   |

Termination Features

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

Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Mating Retention Type    | Threaded Coupling          |
| Thread Size              | 1-3/8 - 18 UNEF-2A         |
| Panel Mount Feature Type | Flange with Mounting Holes |
| Mating Alignment Type    | Keyed                      |
| Mating Alignment         | With                       |
| 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 | 28            |

Dimensions

|                                      |                 |
|--------------------------------------|-----------------|
| Compatible Insulation Diameter Range | 5.59 mm[.22 in] |
| Wire Size                            | 10 – 16 AWG     |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °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   | Carton |

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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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>

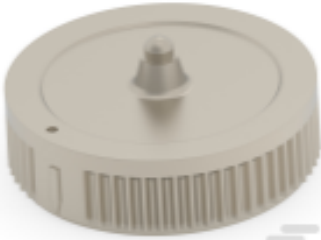
Compatible Parts



TE Part # 208484-3  
PLUG ASSEMBLY,SZ 28,CMC



TE Part # 208484-1  
CMC PLUG ASSEMBLY,SZ 28



TE Part # 211904-1  
CMC DUST CAP ASSM SIZE 28

Also in the Series | AMP Circular Plastic Connectors



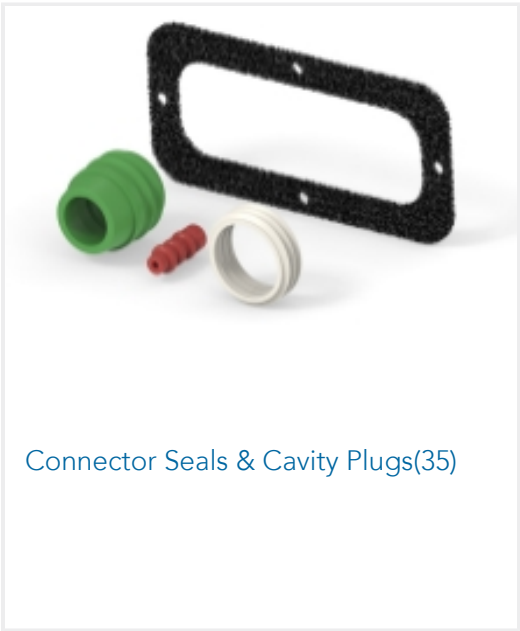
Circular Power Connectors(44)



Connector Backshells(1)



Connector Caps & Covers(16)



Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

Also in the Series | Metal Shell Circular Plastic Connectors



Circular Power Connectors(44)

Customers Also Bought



TE Part #208478-1  
CMC PLUG ASSEMBLY, SZ 28



TE Part #208484-1  
CMC PLUG ASSEMBLY, SZ 28



TE Part #208487-1  
CMC RECEPTACLE ASSY, SIZE 22



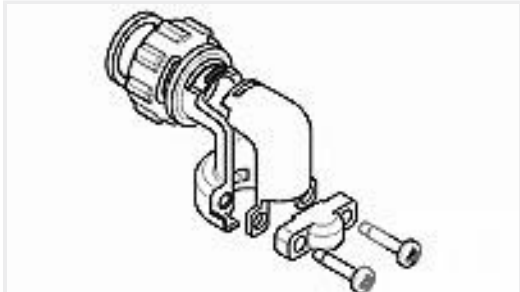
TE Part #208489-1  
CMC RECEPTACLE ASSY, SIZE 22



TE Part #208496-1  
CMC PLUG ASSEMBLY, SZ 22



TE Part #2-323680-5  
TERMINAL, SOLIS R HT 12-10 10



TE Part #1546350-2  
R/A CABLE CLAMP KIT, SZ 23, CPC



TE Part #1776088-1  
CMC RECEPT ASSY, SIZE 28-16



Documents

Product Drawings

[CMC RECPT ASSEMBLY SIZE 28](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_208485-1\\_K.2d\\_dxf.zip](#)

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Customer View Model

[ENG\\_CVM\\_208485-1\\_K.3d\\_igs.zip](#)

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English

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Datasheets & Catalog Pages

[1-1773902-9\\_CPC\\_Catalog](#)

English

[1-1773902-9\\_CPC\\_Catalog](#)

[1-1773902-9\\_CPC\\_Catalog](#)

German



[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](#)

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