

208473-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 208473-1

Circular Power Connectors, Housing, 600 VDC, 30 – 14 AWG Wire Size, .05 – .2 mm<sup>2</sup> Wire Size, Wire-to-Panel, 37 Position, Wire & Cable, AMP CPC

[View on TE.com >](#)



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-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        | 37      |
| Number of Power Positions  | 0       |
| Number of Signal Positions | 37      |

### Electrical Characteristics

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



### Contact Features

|                              |        |
|------------------------------|--------|
| Reverse Gender               | Yes    |
| 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                         |
| Panel Mount Feature Type | Flange with Threaded Inserts |
| Mating Retention Type    | Threaded Coupling            |
| Thread Size              | 1-3/8 - 18 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 | 28            |

### 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            | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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**



## Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Power Connectors(459)



Connector Backshells(56)



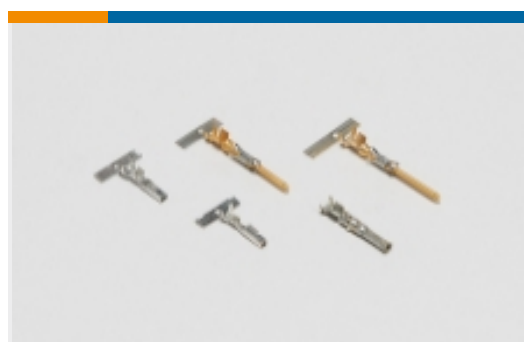
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

## Customers Also Bought



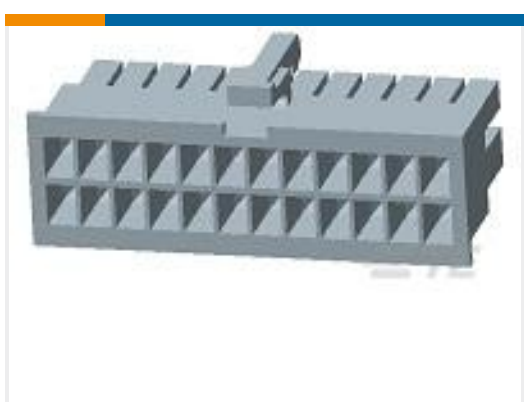
TE Part #208487-1  
Circular Plastic Connector, CMC Series 1



TE Part #66109-4  
III+ SKT,26-24,30AU/FL,LP



TE Part #3-350980-1  
SL156 RECEPTACLE



TE Part #1969614-8  
8P RCPT VAL-U-LOK V0



TE Part #2271597-8  
AMPMODU, REC HDR,DR, 2.0PITCH, SMT, 8P



TE Part #2271646-6  
AMPMODU, REC, 2.54, DR, SMT, 9.90 H, 6POS





## Documents

### Product Drawings

#### CMC RECEPTACLE ASSY,SIZE 28

English

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### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_208473-1\\_J.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_208473-1\\_J.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_208473-1\\_J.3d\\_stp.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208473-1\\_U.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208473-1\\_U.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208473-1\\_U.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### TE Material Declaration

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

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**Agency Approvals**

**CSA Certificate**

English

**CSA Certificate**

English