

208472-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 208472-1

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

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

## 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	37
Number of Power Positions	0
Number of Signal Positions	37

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	Yes
Contact Type	Pin
Contact Current Rating (Max)	13 A
Contact Protection	With

### Termination Features

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

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	1-7/16-18 UNEF-2A
Mating Retention	With
Panel Mount Feature	Without

### 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
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### Packaging Features

Packaging Quantity	10
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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) 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



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



TE Part # 208945-8  
SZ 28 UNASSM KIT, CMC



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

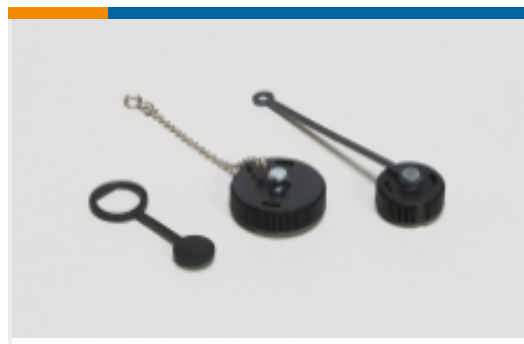


TE Part # 213597-4  
CMC RECPT CONNECTOR SIZE 28-37

Also in the Series | [AMP CPC](#)



Circular Connector Adapters(7)



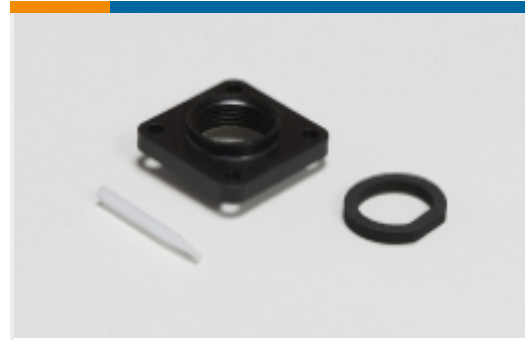
Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(459)



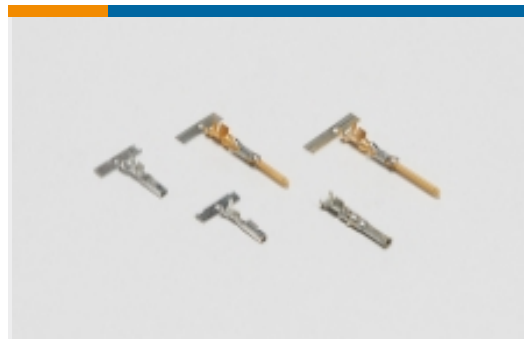
Connector Backshells(56)



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 #9-1614882-9  
CPF 0603 22R 0.1% 25PPM 1K RL



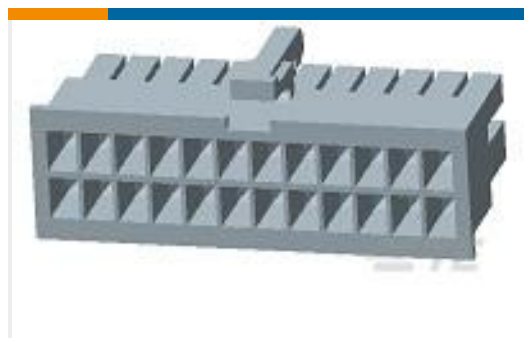
TE Part #1-1879338-8  
CPF 0603 40K2 1% 50PPM 1K RL



TE Part #T41513C9L14-002  
RPC-M12L-4FS-1.0-PUR 16AWG BK



TE Part #52044-1  
TERMINAL R PG 2 5/16



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



TE Part #3-1437597-6  
SWK121F315=SW KEY LOCK KEY F-3

## Documents



## Product Drawings

### CMC PLUG ASSEMBLY,SZ 28

English

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## CAD Files

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208472-1\\_Y.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208472-1\\_Y.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_208472-1\\_Y.3d\\_stp.zip](#)

English

### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_208472-1\\_V.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_208472-1\\_V.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_208472-1\\_V.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

### UL Report



English