

208457-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 208457-1

Circular Power Connectors, Housing, 600 VDC, 30 – 14 AWG Wire Size, .05 – .2 mm<sup>2</sup> Wire Size, Wire-to-Wire, 24 Position, Wire & Cable, Plug, AMP CPC

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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	24
Number of Power Positions	0
Number of Signal Positions	24

### Electrical Characteristics

Operating Voltage	600 VAC
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### 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
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### Mechanical Attachment

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

### Housing Features

Housing Plating Material	Nickel
Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	28

### Dimensions

Wire Size	.05 – .2 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	3.81 mm[.15 in]

### 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
VDE Tested	No



### Packaging Features

Packaging Method	Box
Packaging Quantity	10

### 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 2022 (224) 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

 <p>TE Part # CAT-AM71-C83998C Circular Plastic Connector, CMC Series 1</p>	 <p>TE Part # CAT-AM71-T98 Pin and Socket Contacts, Type II</p>	 <p>TE Part # CAT-AM71-T98E Pin and Socket Contacts, Type III, LP</p>	 <p>TE Part # CAT-AM71-T98D Pin and Socket Contacts, Type III, LP EMEA</p>
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TE Part # CAT-AM71-T98A  
Strip Pin and Socket Contacts, Type III, LP



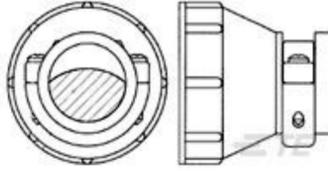
TE Part # CAT-AM71-T98G  
TYPE III CONTACTS LP HIGH CURRENT



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



TE Part # CAT-AM71-T98F  
TYPE III CONTACTS STRIP HIGH CURRENT



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



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



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



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



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



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



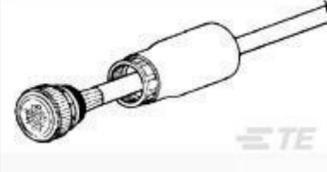
TE Part # 91521-1  
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 193846-1  
SKT ASSY.



TE Part # 201613-1  
CONTACT SOCKET ASSY.



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



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



TE Part # 601967-1  
CRIMPING TOOL M22520/1-01

Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



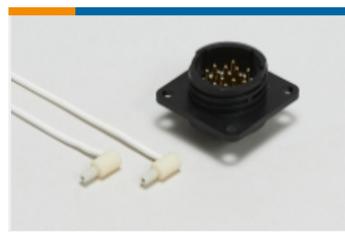
Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Unscreened Circular Connector  
Backshells & Clamps(56)

## Documents

### Product Drawings

[CMC PLUG ASSEMBLY,SZ 28-24](#)

English

### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_208457-1\\_S.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_208457-1\\_S.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_208457-1\\_S.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

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English

Customer View Model

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Customer View Model

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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

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

### Agency Approvals

[UL Report](#)

English