

208470-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 208470-1

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

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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	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	No
Contact Type	Socket
Contact Current Rating (Max)	13 A



Contact Protection	With
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### Termination Features

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

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

Body Orientation	Straight
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Housing Color	Black
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Housing Material	Thermoplastic
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Circular Connector Shell Size	28
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### Dimensions

Compatible Insulation Diameter Range	3.81 mm [.15 in]
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Wire Size	.05 – .2 mm <sup>2</sup>
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Fluid Resistance	None
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### Operation/Application

Circuit Application	Power & Signal
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Shielded	No
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	10
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Packaging Method	Box
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### 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 2022 (223) 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 # CAT-AM71-T98E  
Pin and Socket Contacts, Type III, LP




TE Part # CAT-AM71-T98D  
Pin and Socket Contacts, Type III, LP EMEA



TE Part # CAT-AM71-T98A  
Strip Pin and Socket Contacts, Type III, LP



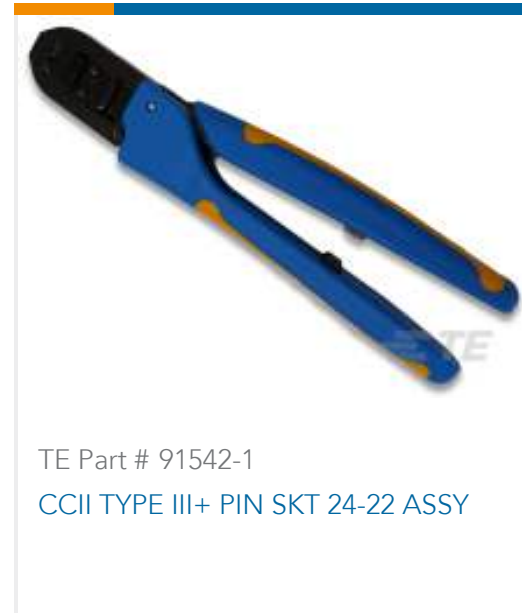
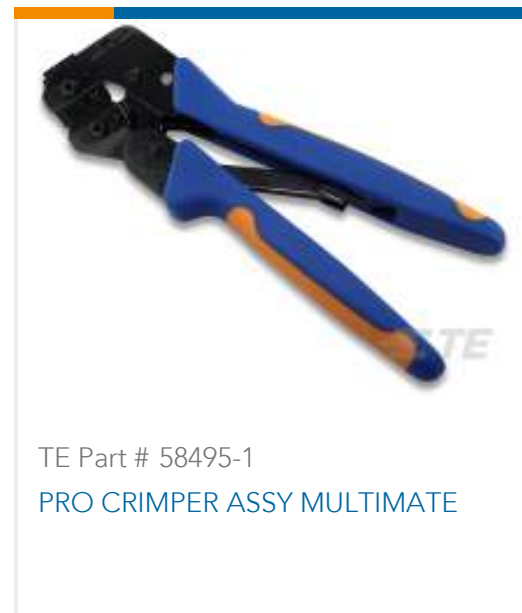
TE Part # CAT-AM71-T98G  
Pin and Socket Contacts, Type III, LP, High Current



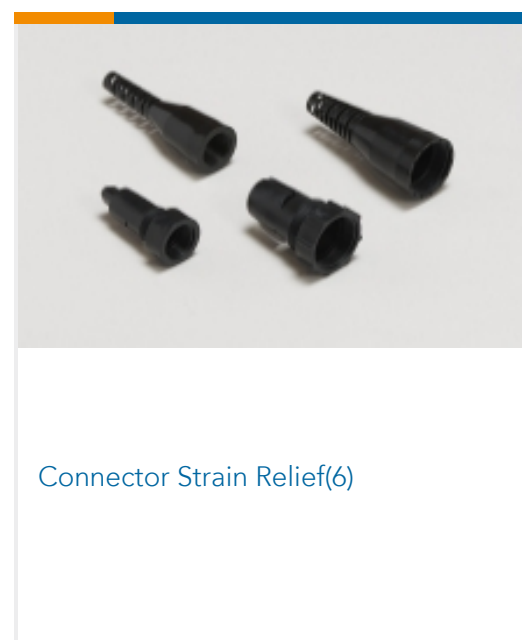
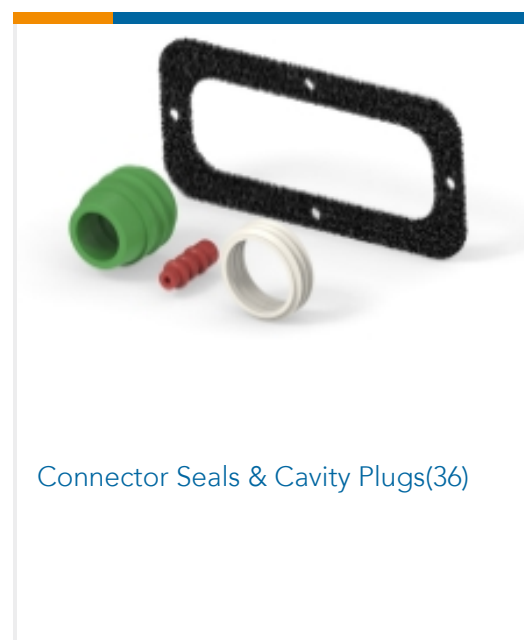
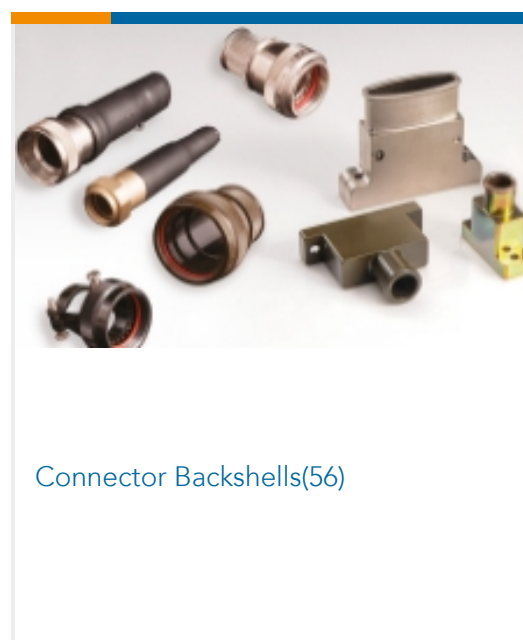
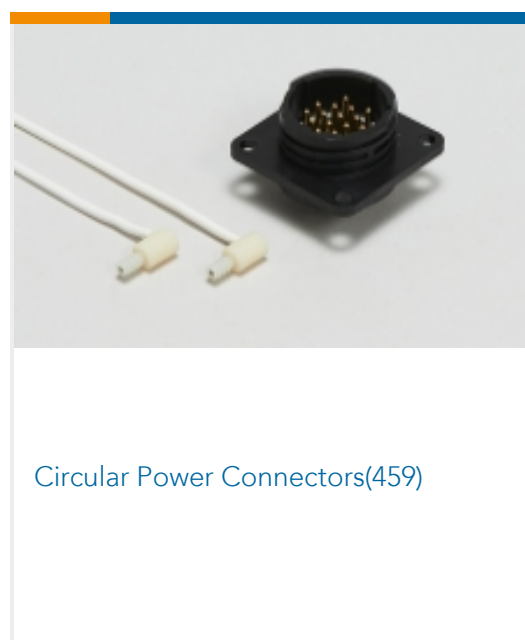
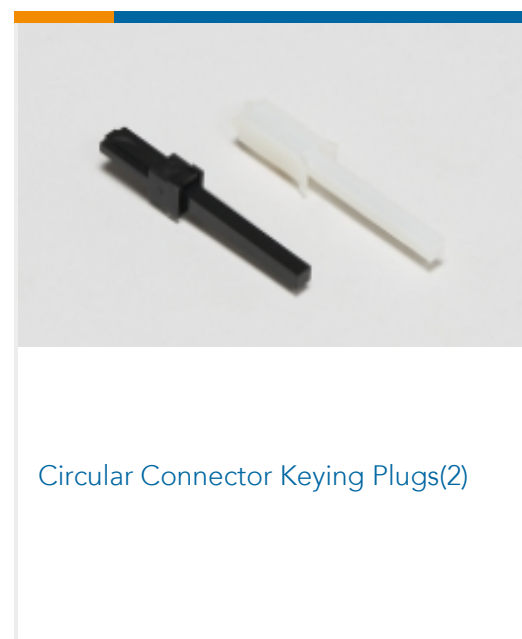
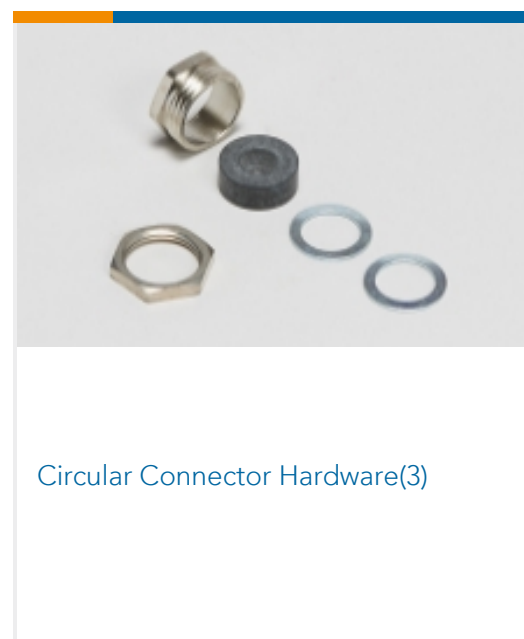
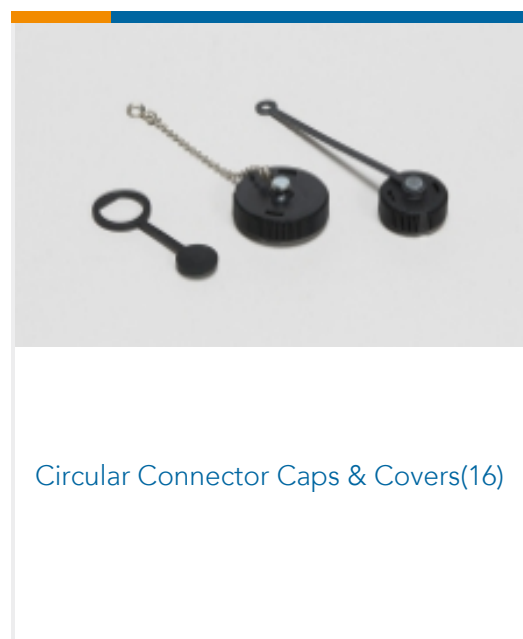
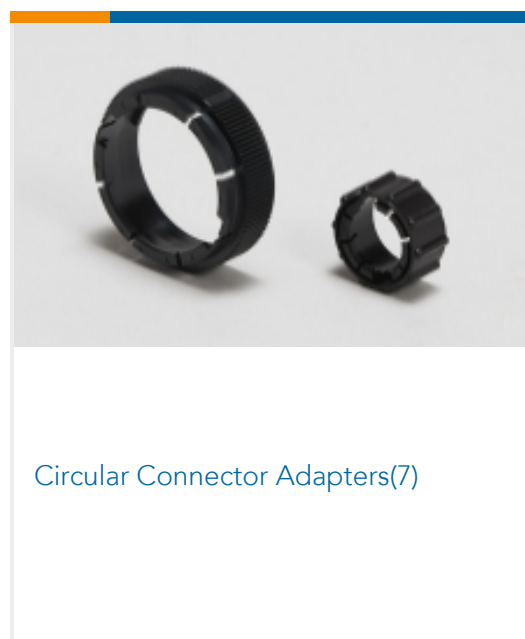
TE Part # CAT-AM71-T98  
Pin and Socket Contacts, Type II



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

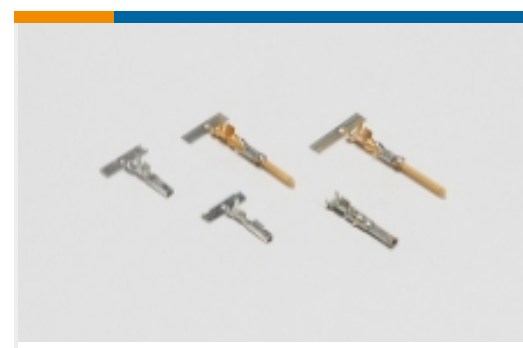


Also in the Series | AMP CPC

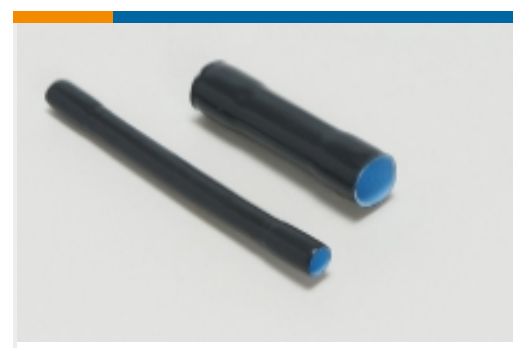




Insertion &amp; Extraction Tools(1)

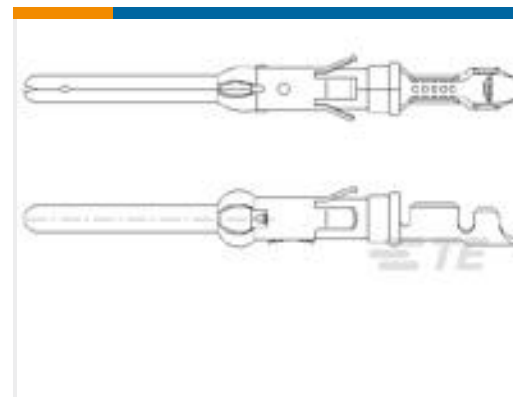
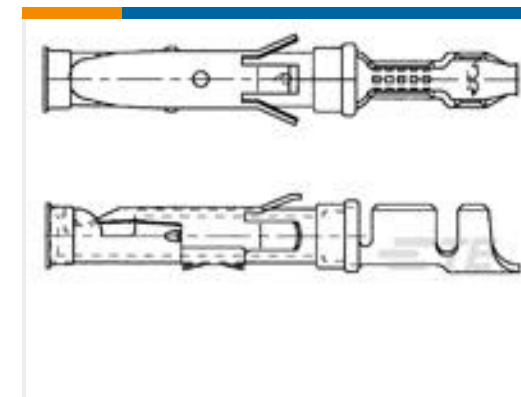


Power Contacts(6)



Sealing Sleeves(2)

## Customers Also Bought

TE Part #208487-1  
Circular Plastic Connector, CMC Series 1TE Part #208945-7  
CMC Cable ClampsTE Part #1-163081-1  
.062 DIA PIN ASSY 3+TE Part #1-163083-1  
.062 DIA SOC.ASS 3+TE Part #5-66461-9  
SKT,.062 DIA,.025 SQ POST,LPTE Part #3-1437597-6  
SWK121F315=SW KEY LOCK KEY F-3

## Documents

### Product Drawings

[CMC PLUG ASSEMBLY,SZ 28](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_208470-1\\_V.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_208470-1\\_V.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_208470-1\\_V.3d\\_stp.zip](#)

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[3D PDF](#)



English

**Customer View Model**

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**Customer View Model**

[ENG\\_CVM\\_208470-1\\_S.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](#)

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