



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CMC SERIES 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **.05 – .2 mm²**

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

[All 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	7
Number of Power Positions	0
Keying	A
Number of Signal Positions	7

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	7/8-20 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	14

Dimensions

Wire Size	.05 – .2 mm²
Accepts Wire Insulation Diameter Range	2.67 mm[.105 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	Carton
Packaging Quantity	12



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: JAN 2021 (211) 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
CMC SERIES 1



TE Part # CAT-AM71-T98
TYPE II CONTACTS



TE Part # CAT-AM71-T98E
TYPE III CONTACTS LP



TE Part # CAT-AM71-T98D
TYPE III CONTACTS LP EMEA



TE Part # CAT-AM71-T98A
TYPE III CONTACTS LP



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



TE Part # CAT-AM71-T98B
TYPE III CONTACTS STRIP



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



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 # 91505-1
CCII TYPE III+ 24-16 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 # 201328-1
CONTACT SOCKET ASSY.



TE Part # CAT-AM71-C83998T
CMC CABLE CLAMPS



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



TE Part # 193846-1
SKT ASSY.



TE Part # 201580-1
SKT CONT ASSY,TYPE II

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)



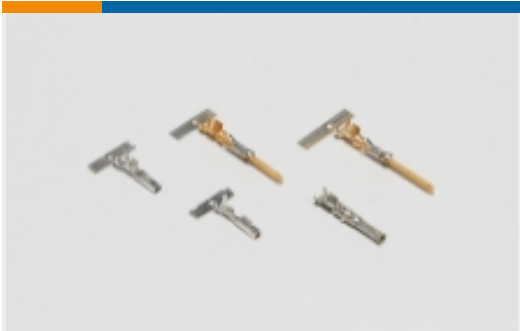
Circular Connector Seals(36)



Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1658640-1
D-Sub Crimp Recpt Signal 50 Posn,
Socket Size 20, Shell Size 5



TE Part #208457-1
CMC SERIES 1



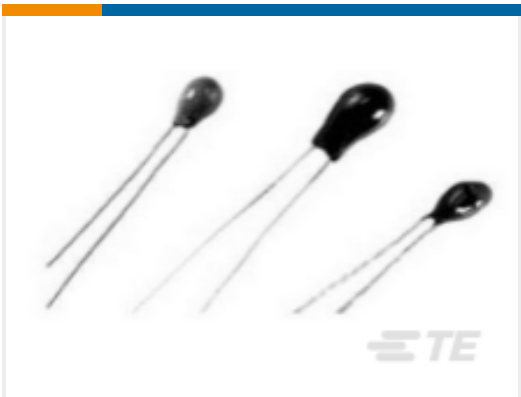
TE Part #200390-9
SERIES "M" GUIDE SOCKET



TE Part #2-34107-2
SOLIS R 22-16 COMM 22-18 MIL 6



TE Part #2-747579-7
SHLDING FERRULE,PLTD TIN,BULK



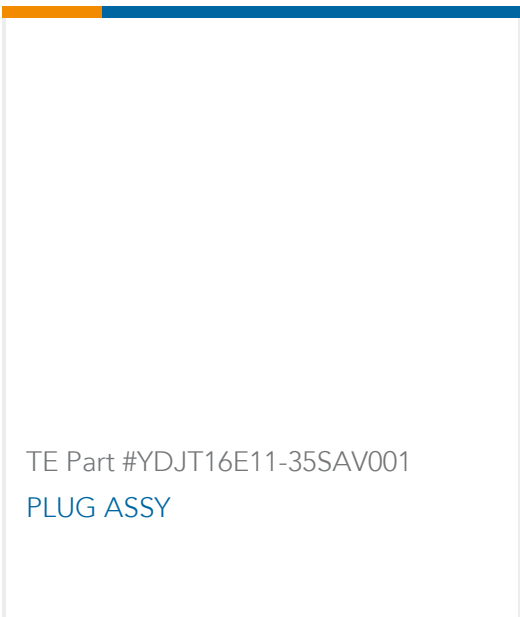
TE Part #11026199-00
Model 44000 Series



TE Part #2-36152-1
PIDG RING TONGUE TERMINALS



TE Part #201355-1
MALE BLOCK 14 PL.



TE Part #YDJT16E11-35SAV001
PLUG ASSY

Documents



Product Drawings

CMC PLUG ASSEMBLY,SZ 14-7

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_208714-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_208714-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_208714-1_H.3d_stp.zip

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

CSA Certificate

English