



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CMC SERIES 2



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.079 – .53 mm²**

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

[All CMC SERIES 2 \(8\)](#)

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	57
Number of Power Positions	0
Number of Signal Positions	57

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Pin
Contact Current Rating (Max)	8 A



Contact Protection

With

Termination Features

Termination Method to Wire & Cable	Crimp
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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	.079 – .53 mm²
Accepts Wire Insulation Diameter Range	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
VDE Tested	No

Packaging Features

Packaging Method	Carton
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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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-C83998Q
CMC SERIES 2



TE Part # CAT-AM71-C83998
HEAT SHRINK STRAIN RELIEFS-CPC



TE Part # CAT-AM71-C83998T
CMC CABLE CLAMPS

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)



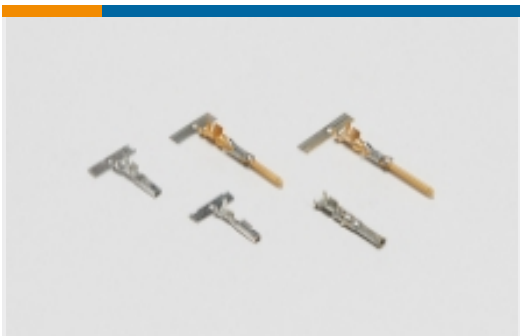
Circular Connector Seals(36)



Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



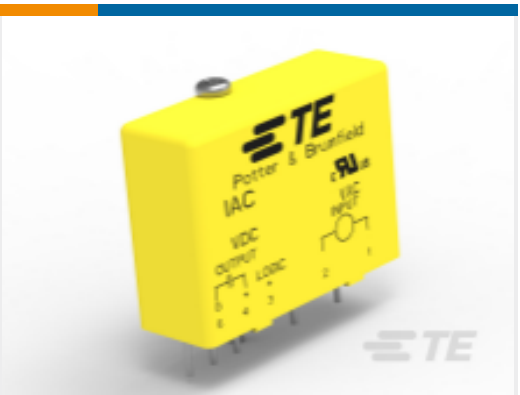
TE Part #1-66504-0
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



TE Part #1-6609006-2
CORCOM EEJ SERIES IEC FILTERED INLETS



TE Part #1658541-1
D-Sub Connector Contacts: Pin, Brass, Signal, Size 20



TE Part #1393028-4
SSRs: PCB Mount, slim relays



TE Part #1658623-9
40 NOVO MIL 30DP, LEAD FREE



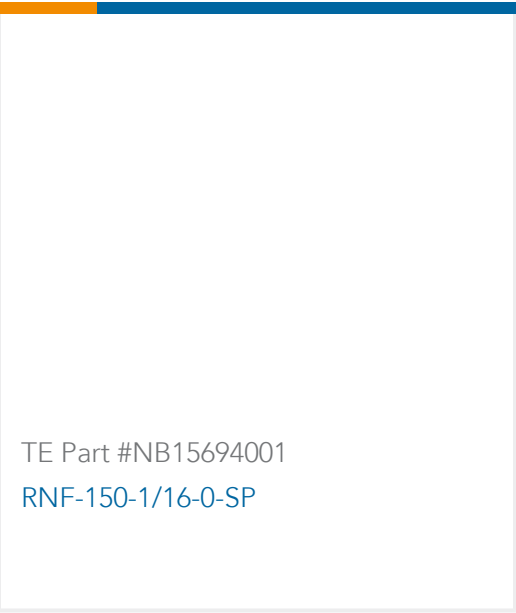
TE Part #1051013-1
2004 7941 00



TE Part #1410465-9
VITA 41 KEYED GUIDE MODULE



TE Part #1-530745-3
MINI-BOX RCPT ASSY 30P SEALED



Documents

Product Drawings

PLUG ASSY,SZ 28,CMC

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_208474-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_208474-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_208474-1_M.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773902-9_CPC_Catalog

German

1-1773902-9_CPC_Catalog

English

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

1-1773902-9_CPC_Catalog

Japanese

1-1773902-9_CPC_Catalog

Instruction Sheets

Instruction Sheet (U.S.)

English