



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 mm²**

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

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

Features

Product Type Features

Connector Seal & Plug Type	Tetraseal
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
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

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
Connector Mounting Type	Cable Mount (Free-Hanging)
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	3.81 mm[.15 in]
Wire Size	.05 – .2 mm ²

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

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
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 2024 (241) 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-T98
Pin and Socket Contacts, Type II



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-T98B
Strip Pin and Socket Contacts, Type III

TE Part # CAT-AM71-T98F
Strip Pin and Socket Contacts, Type III, 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 # 193846-1
SKT ASSY.

TE Part # 201613-1
CONTACT SOCKET ASSY.

TE Part # 1-66359-9
III+PIN,18-14,TIN,STRIP

TE Part # 2-66358-1
III+SKT,18-14,TIN STRIP

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(1)

Connector Caps & Covers(19)

Connector Contacts(6)



Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

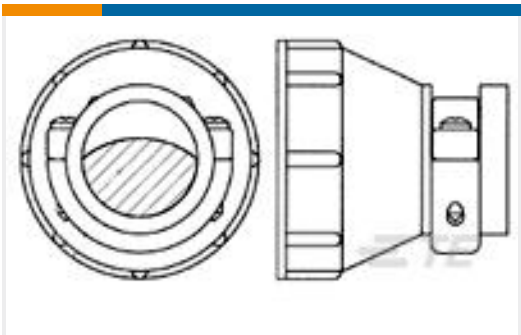


Sealing Sleeves(2)

Customers Also Bought



TE Part #HD36-18-21SN-059
DEUTSCH HD30 Housings



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



TE Part #1418918-1
Circular DIN Backshells



TE Part #66101-2
III+ SKT,18-16,TIN-LEAD,LP



TE Part #5-1393238-9
RTD14005



TE Part #1437565-5
FSM103=12MM,TACTILE,PB SWITCH



TE Part #1437624-7
PK50B1/8=KNOB PLASTIC BLK 1/8

Documents

Product Drawings

CMC PLUG ASSEMBLY,SZ 28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_208470-3_V.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_208470-3_V.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_CVM_208470-3_V.3d_stp.zip](#)

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3D PDF

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English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

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[CSA Certificate](#)

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