



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	28
Number of Power Positions	0
Number of Signal Positions	28

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	8 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 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	22

Dimensions

Compatible Insulation Diameter Range	1.72 mm[.068 in]
Wire Size	.079 – .53 mm²

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	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: JUNE 2024 (241) 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 # 208945-7
SZ 22 UNASSM KIT,CMC



TE Part # 208491-1
CMC RECEPTACLE ASSY,SIZE 22

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)

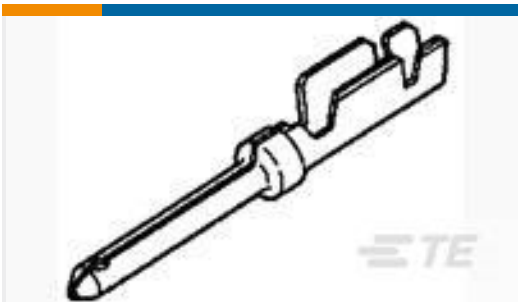


Sealing Sleeves(2)

Customers Also Bought



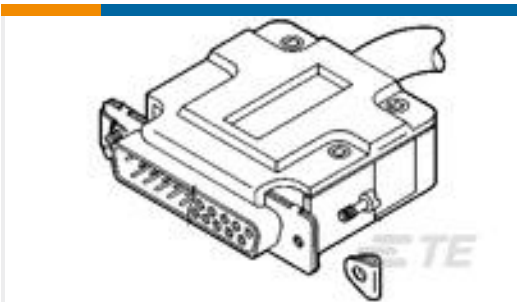
TE Part #745253-3
20 DF SOCKET PLTD



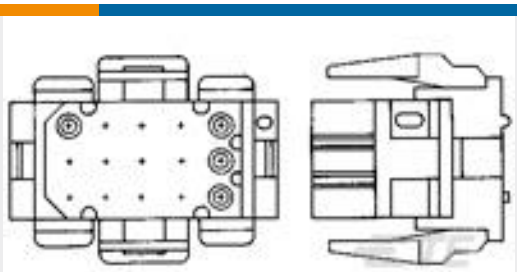
TE Part #1658670-3
PIN CONTACT,22 DF,STRIP,22-28



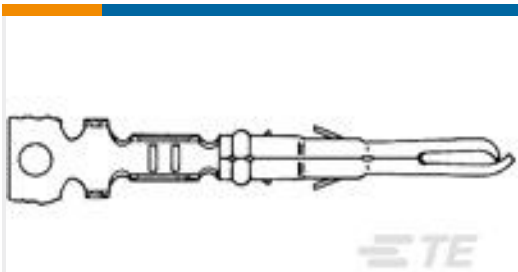
TE Part #66507-9
PIN CONTACT, 20 DF



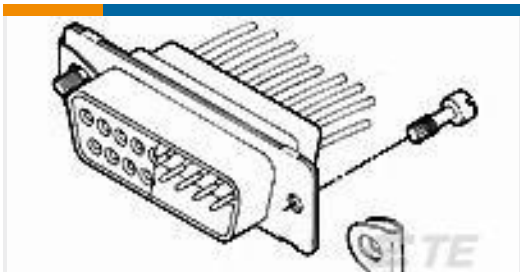
TE Part #1-5207908-0
KIT S/R SCREW RET 90/180 DEG



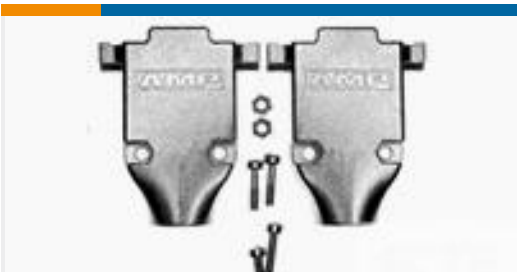
TE Part #1-640519-0
04P MR II PLUG HSG



TE Part #350968-2
MR PIN 26-24 AU/PHBZ



TE Part #5205980-5
SCREW RETAINER KIT,BULK PACK



TE Part #5745175-3
CABLE CLAMP KIT,SZ 5



Documents

Product Drawings

PLUG ASSY,SZ 22,CMC

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_208490-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_208490-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_208490-1_H.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_208490-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_208490-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_208490-1_L.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

English

1-1773902-9_CPC_Catalog

1-1773902-9_CPC_Catalog

German



1-1773902-9_CPC_Catalog

Japanese

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English

CSA Certificate

English