208459-1 ✔ ACTIVE

AMP | AMP CPC

TE Internal #: 208459-1

AMP CPC, Circular Power Connectors, Housing, Operating Voltage 600 VDC, 30 – 14AWG Wire Size, .05 – .2mm² Wire Size, Wire-to-Panel, 24 Position

View on TE.com >

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-Panel**

All CMC SERIES 1 (24)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Panel
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	Metal-Shell

Configuration Features

Reverse Numbering	Without
Number of Positions	24
Number of Power Positions	0
Keying	A
Number of Signal Positions	24

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin

Contact Current Rating (Max)	13 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp & Solder

Mechanical Attachment

Panel Mount Feature Type	Flange with Threaded Inserts
Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
Connector Mounting Type	Panel Mount
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
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	.05 – .2 mm²
Accepts Wire Insulation Diameter Range	3.81 mm[.15 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	Box
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: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

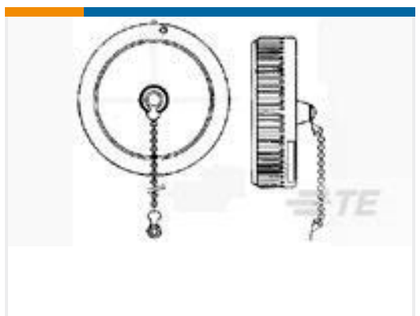
Product Compliance Disclaimer

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 # 211904-1
CMC DUST CAP ASSM SIZE 28

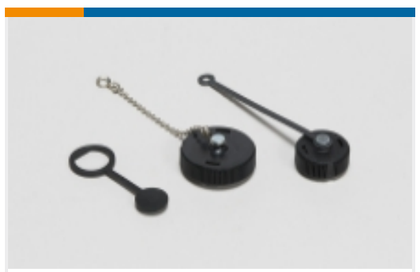
Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



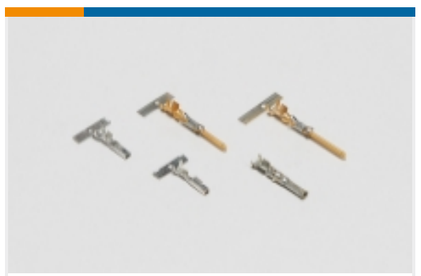
Circular Connector Seals(36)



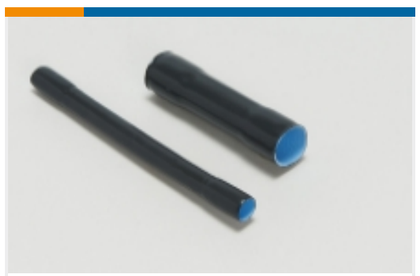
Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1-66358-9
TYPE III CONTACTS STRIP HIGH CURRENT



TE Part #1-66597-0
TYPE III CONTACTS STRIP



TE Part #200336-1
TYPE II CONTACTS



TE Part #1-206138-0
CPC CABLE CLAMPS



TE Part #1838275-1
M12 Fld Ser CONN. Male Pin Sldr



TE Part #1-640724-0
15P UMNL STR/REL & INSRT NATL



TE Part #1838891-1
M12 Mtl FEMALE PNL CONN. Sldr Rear (Hex)



TE Part #1-640719-0
02P UMNL STR/REL & INSRT NATL



TE Part #964287-2
JPT A REC 2.8 Contact SWS Sn (LP)

Documents

Product Drawings

CMC RECPT ASSEMBLY SIZE 28

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_208459-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_208459-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_208459-1_K.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English