



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
-------------------	---------

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
------------------------------------	----------------

Mechanical Attachment

Mating Alignment Type	Keyed
-----------------------	-------

Mating Alignment	With
------------------	------

Mating Retention Type	Threaded Coupling
-----------------------	-------------------

Thread Size	1-7/16-18 UNEF-2A
-------------	-------------------

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
------------------------	----------

Packaging Features

Packaging Quantity	10
--------------------	----

Packaging Method	Box
------------------	-----

Product Compliance











[For compliance documentation, visit the product page on TE.com>](#)

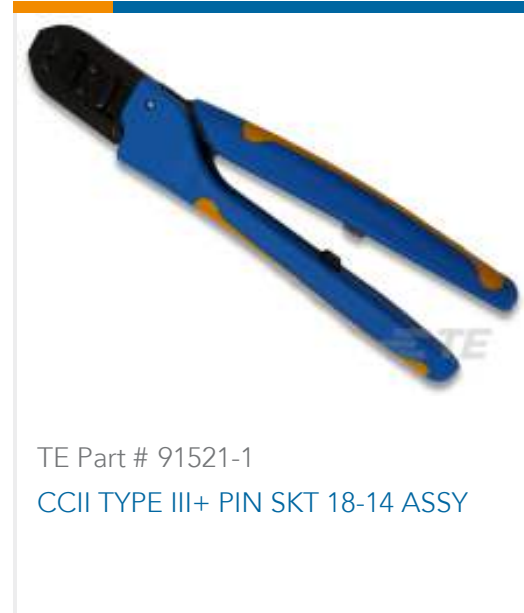
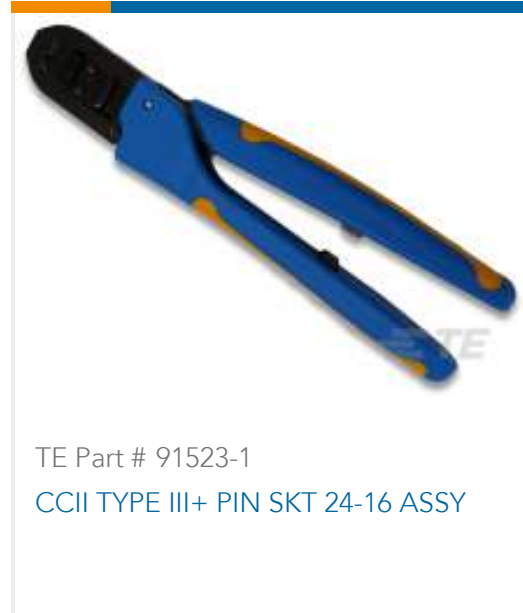
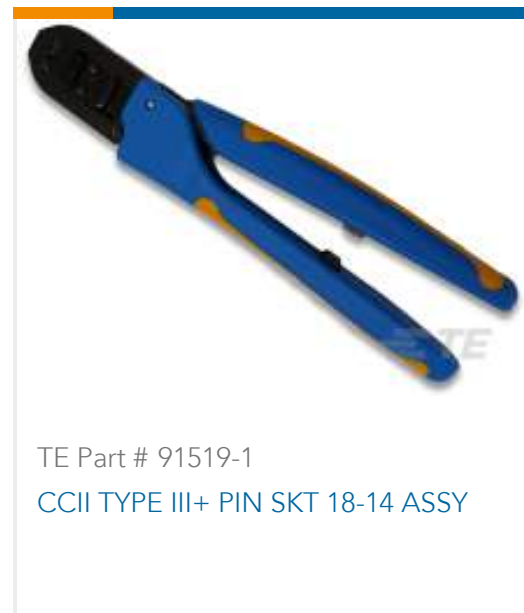
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

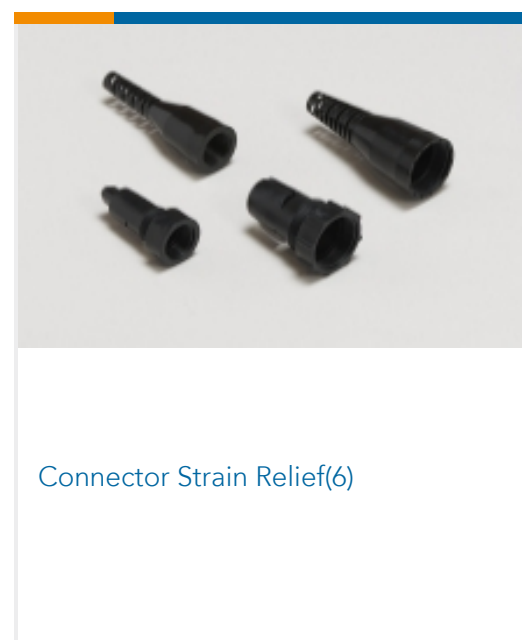
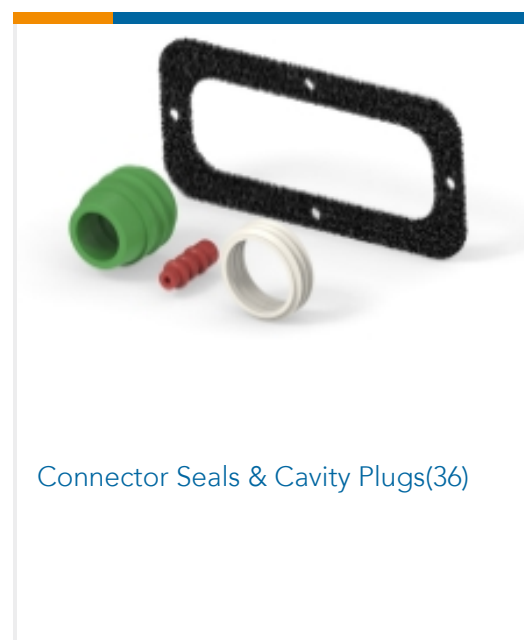
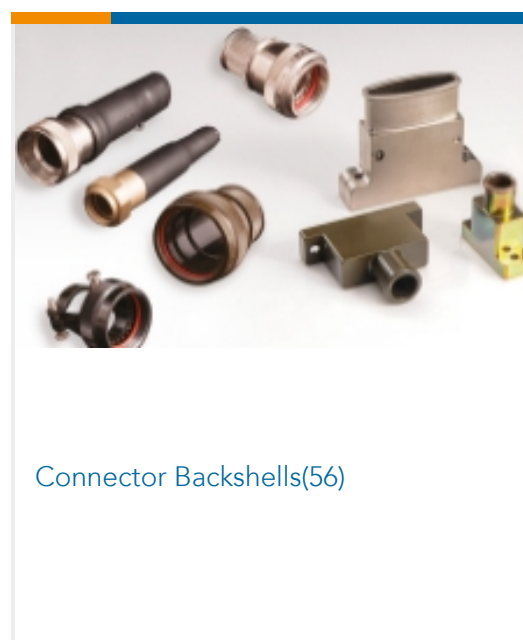
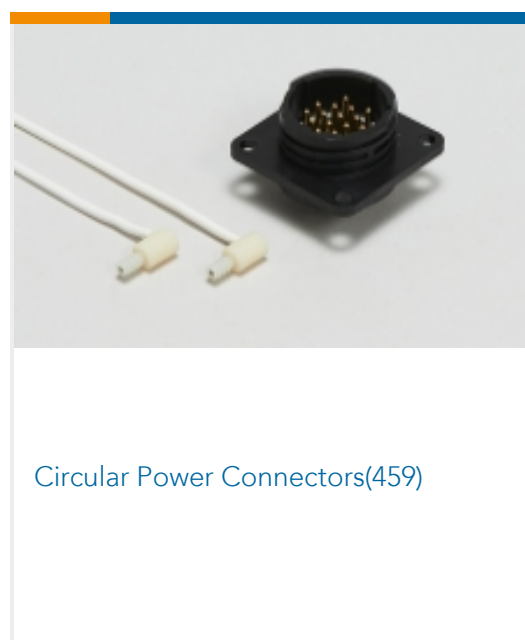
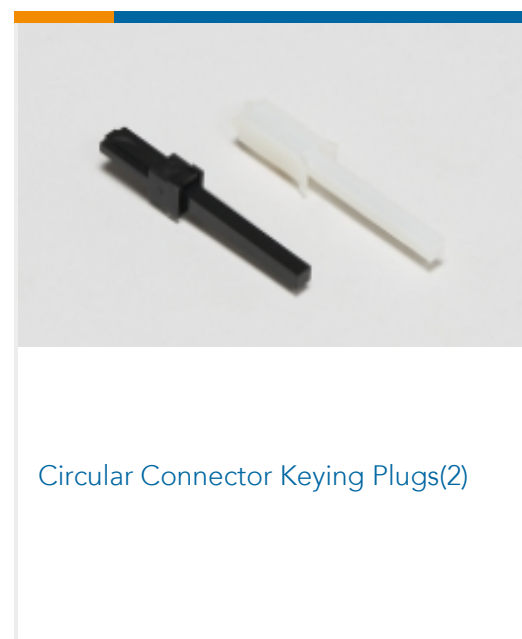
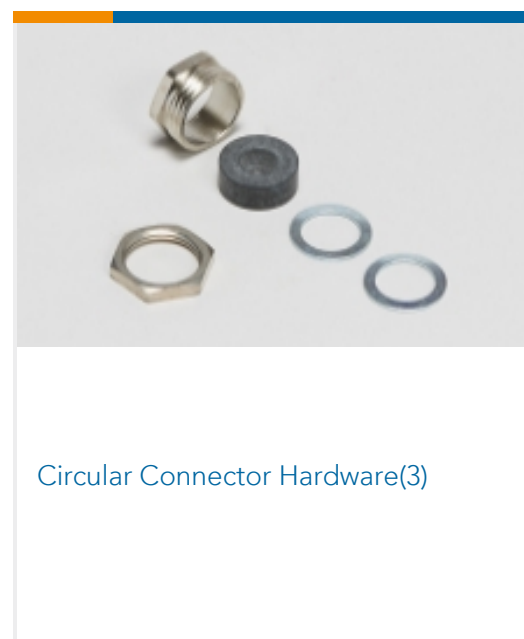
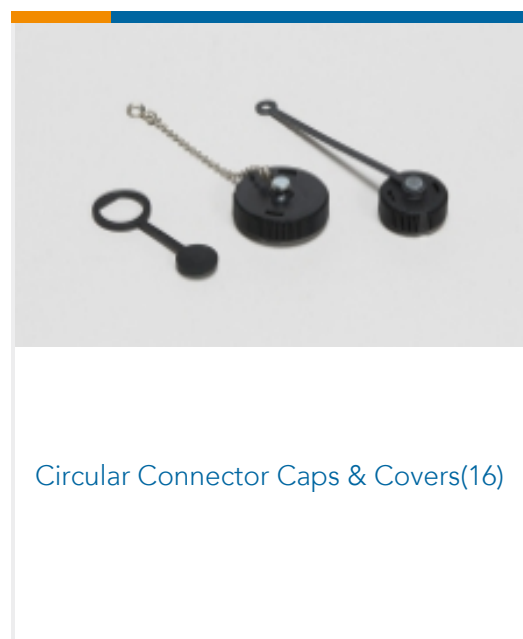
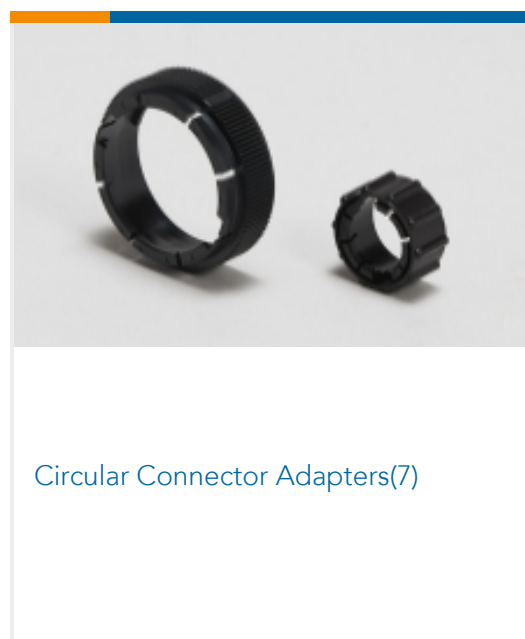
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

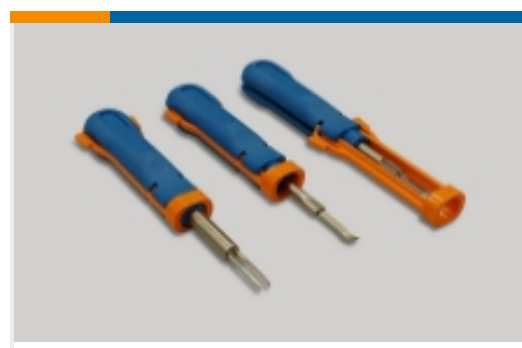
Compatible Parts

 <p>TE Part # CAT-AM71-C83998C Circular Plastic Connector, CMC Series 1</p>	 <p>TE Part # 208945-8 SZ 28 UNASSM KIT, CMC</p>	 <p>TE Part # CAT-AM71-T98E Pin and Socket Contacts, Type III, LP</p>	 <p>TE Part # CAT-AM71-T98D Pin and Socket Contacts, Type III, LP EMEA</p>
 <p>TE Part # CAT-AM71-T98A Strip Pin and Socket Contacts, Type III, LP</p>	 <p>TE Part # CAT-AM71-T98G Pin and Socket Contacts, Type III, LP, High Current</p>	 <p>TE Part # CAT-AM71-T98 Pin and Socket Contacts, Type II</p>	 <p>TE Part # CAT-AM71-T98B Strip Pin and Socket Contacts, Type III</p>

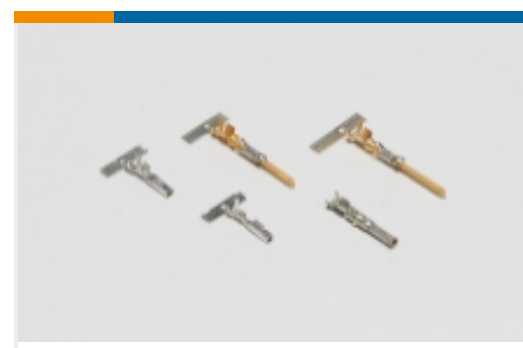


Also in the Series | AMP CPC

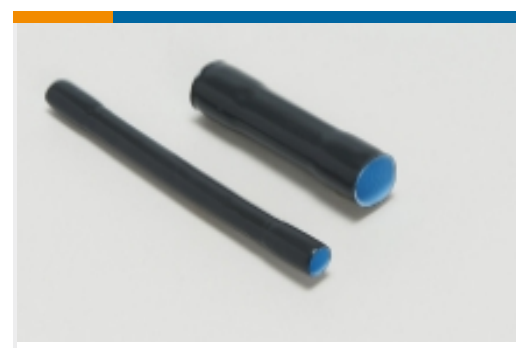




Insertion & Extraction Tools(1)

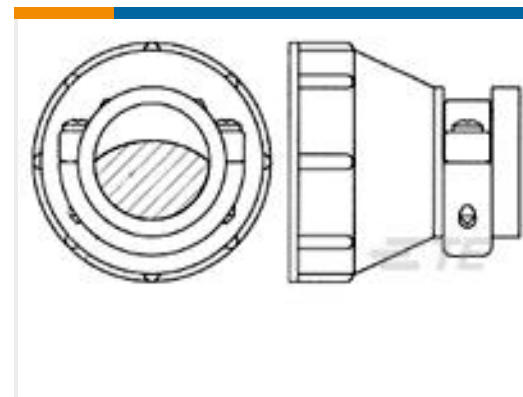


Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought

TE Part #208488-1
Circular Plastic Connector, CMC Series 1TE Part #208945-8
SZ 28 UNASSM KIT,CMCTE Part #211768-1
CPC PLUG ASSEMBLY SIZE 17-9TE Part #164164-1
PIN ASSTE Part #DT04-6P-E003
DEUTSCH DT Receptacle ConnectorsTE Part #749805-7
KIT,HDP-20,PLUG,SIZE 1, 9 POSNTE Part #1804014-1
CCII MIC MK-II REC 20-14 ASSY

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](#)

English

Customer View Model

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

English

3D PDF



English

Customer View Model

[ENG_CVM_208470-3_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_208470-3_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_208470-3_S.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

[CSA Certificate](#)

English

[CSA Certificate](#)

English