



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 1



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **9**
Sealable: **No**

[All CPC SERIES 1 \(57\)](#)

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	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	9
Number of Power Positions	0
Keying	A
Number of Signal Positions	9

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket



Contact Protection	With
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Mechanical Attachment

Screw & Hole Thread Size	15/16-20 UNEF-2A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Glass Filled Nylon 6/6
Circular Connector Shell Size	17

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	Yes

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

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 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-C83998J CPC SERIES 1	 TE Part # CAT-AM71-C83998P CPC ACCESSORIES	 TE Part # CAT-AM71-C83998 HEAT SHRINK STRAIN RELIEFS-CPC	 TE Part # CAT-AM71-C83998L CPC SEALED ACCESSORIES
 TE Part # CAT-AM71-T98 TYPE II CONTACTS	 TE Part # CAT-AM71-T98E TYPE III CONTACTS LP	 TE Part # CAT-AM71-T98D TYPE III CONTACTS LP EMEA	 TE Part # CAT-AM71-T98A TYPE III CONTACTS LP



TE Part # CAT-AM71-T98G
TYPE III CONTACTS LP HIGH
CURRENT

TE Part # CAT-AM71-T98B
TYPE III CONTACTS STRIP

TE Part # CAT-AM71-T98F
TYPE III CONTACTS STRIP HIGH
CURRENT

TE Part # CAT-AM71-C83998B
CPC CABLE CLAMPS

TE Part # CAT-AM71-C83998G
CPC ACCESSORIES

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

Also in the Series | AMP CPC

Circular Connector Adapters(7)

Circular Connector Boots & Strain
Relief(6)

Circular Connector Caps & Covers(16)

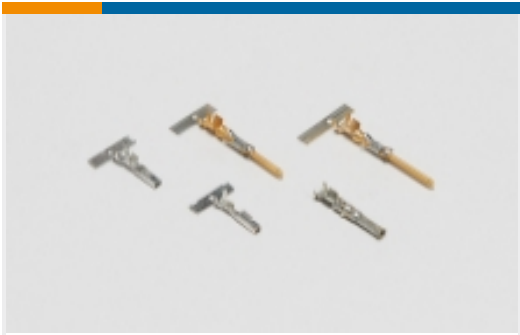
Circular Connector Hardware(3)

Circular Connector Keying Plugs(2)

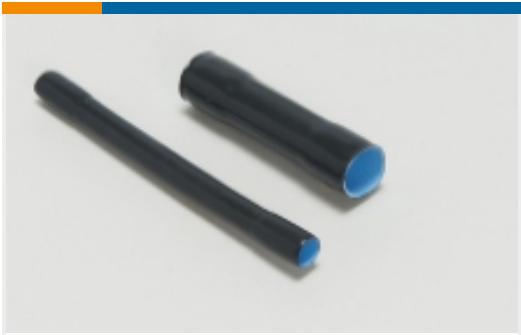
Circular Connector Seals(36)

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 #205210-8
D-Sub Crimp: Plug, Signal, 37 Posn, Pin Size 20, Shell Size 4



TE Part #1658682-1
D-Sub Crimp Recpt Signal 26 Posn, Socket Size 22, Shell Size 2



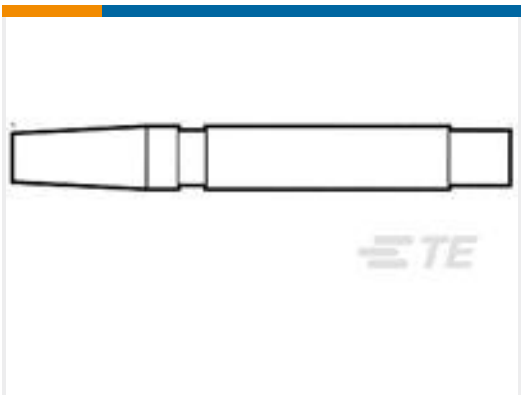
TE Part #183040-1
CPC EMEA



TE Part #205205-2
D-Sub Crimp Recpt Signal 15 Posn, Socket Size 20, Shell Size 2



TE Part #182661-1
CPC CABLE CLAMPS EMEA



TE Part #200821-1
CMNL KEYING PLUG



TE Part #C53708-000
CP CLEAR POLYESTER LABELS



TE Part #1437621-9
K500B1/8=KNOB BLACK 1/8 SHAFT



TE Part #1-1437539-6
DIP Socket: Standard, Stamped & Formed, Open, Gold

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 17-9

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_211766-1_H.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_211766-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_211766-1_H.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](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_211766-1_12102013638_dmtec](#)

English

[MD_211766-1_12102013638_dmtec](#)

English

Agency Approvals

[UL Report](#)

English