



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: **19**

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	With
Number of Positions	19
Number of Power Positions	0
Keying	B
Number of Signal Positions	19

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Reverse Gender	Yes
Contact Type	Pin



Contact Protection	With
--------------------	------

Mechanical Attachment

Screw & Hole Thread Size	1-3/8 - 18 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	Nylon 6/6 GF
Circular Connector Shell Size	23

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	Package
Packaging Quantity	100

Other

Comment	4 Locating Key Arrangement.
---------	-----------------------------

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-C83998
HEAT SHRINK STRAIN RELIEFS-CPC



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-C83998F
CPC SERIES 1 POSTED



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



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



TE Part # CAT-AM71-C83998P
CPC ACCESSORIES



TE Part # CAT-AM71-C83998B
CPC CABLE CLAMPS



TE Part # CAT-AM71-C83998HH
CPC SEALED ACCESSORIES



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

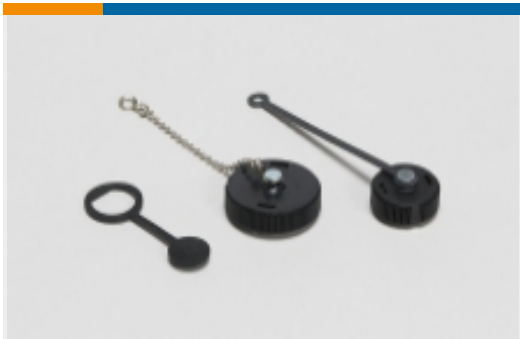
Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



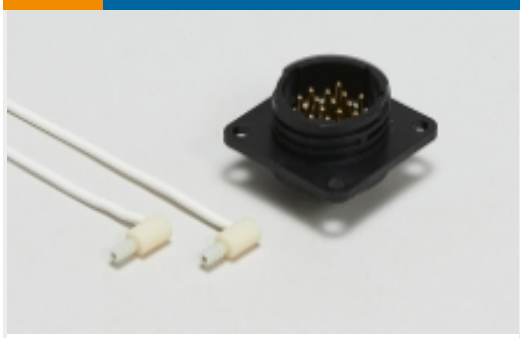
Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



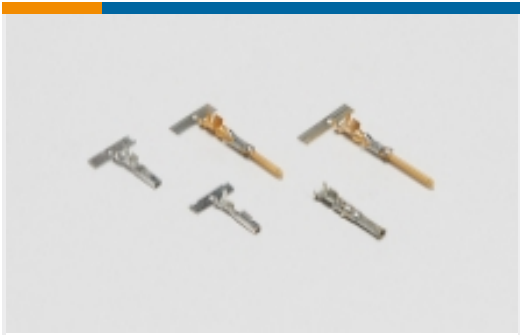
Circular Connector Seals(36)



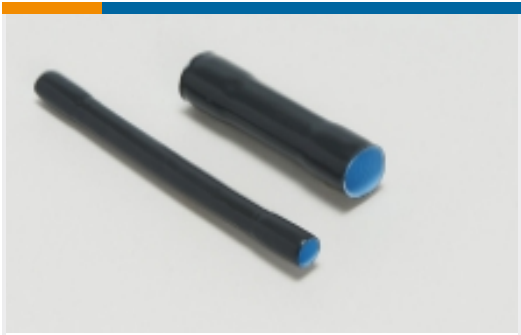
Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



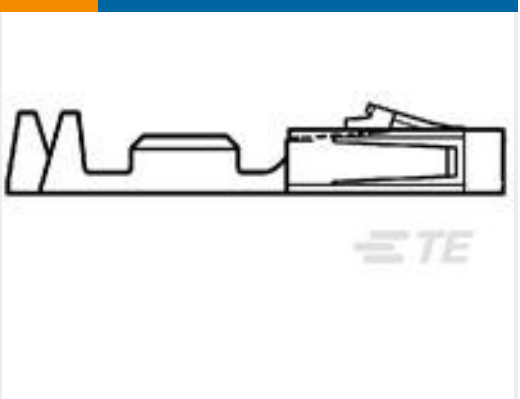
TE Part #1-66399-0
TYPE III CONTACTS LP



TE Part #1419106-3
27E023=SOCKET,KH,14,PC,PHEN,BL



TE Part #1-640383-0
10P MTA156 HDR ASSY STR SQ SN



TE Part #104479-2
SHORT POINT CONT PLTD SN-PB



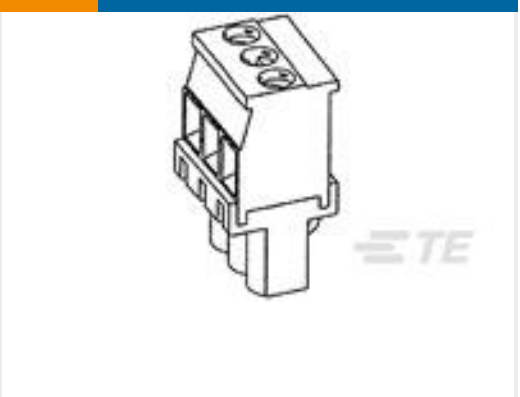
TE Part #YDTS26W25-61PNV001
D38999: Straight Plug, 25-61 Insert



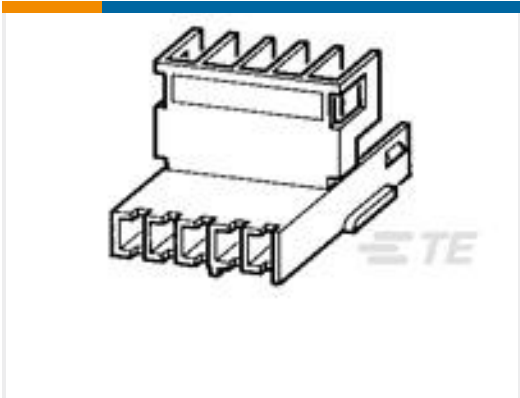
TE Part #1546350-2
CPC CABLE CLAMPS



TE Part #1-66103-9
III+ PIN,24-20,TIN,SMPACK



TE Part #1-284041-0
TERMINAL BLOCK VERTICAL PLUG S



TE Part #142681
HOUSING POS-LOCK MK III 3 P BLACK



TE Part #1419106-7
27E220=SOCKET,KH,8,PL,PHEN,BLK

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-19

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_213852-1_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_213852-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_213852-1_B.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

Agency Approvals

[UL Report](#)

English