



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Connector, Environmentally Sealed, CPC Series 6



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **37**
Sealable: **No**

[All Circular Connector, Environmentally Sealed, CPC Series 6 \(19\)](#)

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	37
Number of Power Positions	0
Keying	A
Number of Signal Positions	37



Electrical Characteristics

Operating Voltage	600 VAC
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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	Thermoplastic
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	No

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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>

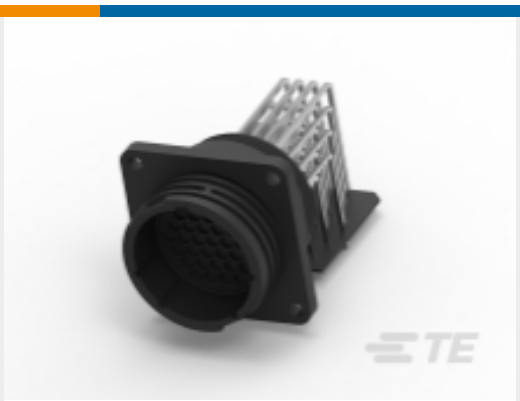
Compatible Parts



TE Part # CAT-AM71-A17
POWERBAND Contacts



TE Part # 54012-1
CPC STRAIN RELIEF,SIZE 23



TE Part # CAT-AM71-C83998F
Connectors with Posted Pin Contacts,
CPC Series 1



TE Part # CAT-AM71-C83998K
Circular Connector, Environmentally
Sealed, CPC Series 6



TE Part # CAT-AM71-T98
Pin and Socket Contacts, Type II



TE Part # CAT-AM71-C83998L
CPC Sealed Accessories

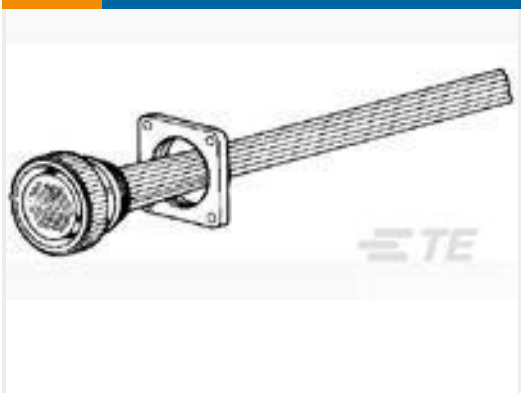


TE Part # CAT-AM71-T98E
Pin and Socket Contacts, Type III, LP



TE Part # CAT-AM71-T98D
Pin and Socket Contacts, Type III, LP
EMEA

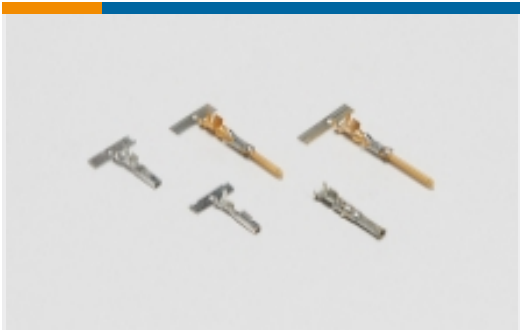


 TE Part # CAT-AM71-T98A Strip Pin and Socket Contacts, Type III, LP	 TE Part # CAT-AM71-T98G TYPE III CONTACTS LP HIGH CURRENT	 TE Part # CAT-AM71-T98B Strip Pin and Socket Contacts, Type III	 TE Part # CAT-AM71-T98F TYPE III CONTACTS STRIP HIGH CURRENT
 TE Part # CAT-AM71-C83998Z CPC SEALING KITS/ACCESSORIES	 TE Part # 207299-4 FLANGE PLUG	 TE Part # 207446-3 SEALING CAP ASSY,SZ 23,CPC	 TE Part # 213812-1 COUPLING RING,SZ 23,CPC
 TE Part # CAT-AM71-C83998B CPC Cable Clamps	 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

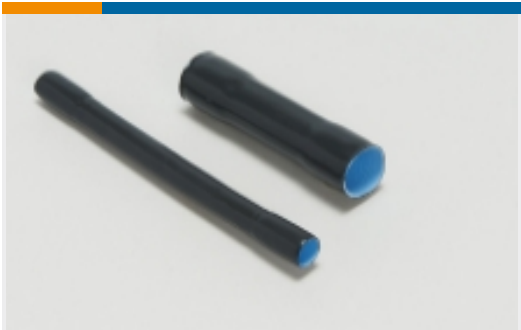
Also in the Series

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(467)	 Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-37

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206305-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206305-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206305-1_L.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_206305-1_07292015913_dmtec

English

MD_206305-1_07292015913_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English



[Agency Approvals](#)

[UL Report](#)

English