



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connectors, Series 2



Connector Product Type: **Housing**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **9**
Sealable: **No**

[All CPC Connectors, Series 2 \(23\)](#)

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
Number of Signal Positions	9

Electrical Characteristics

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Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange
Mating Retention Type	Threaded Coupling
Thread Size	5/8-24 UNEF-2A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	11

Dimensions

Compatible Insulation Diameter Range	1.73 mm[.068 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	100
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Packaging Method	Bag
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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 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-C83998HH
CPC SEALED ACCESSORIES



TE Part # CAT-AM71-C83998M
CPC Connectors, Series 2

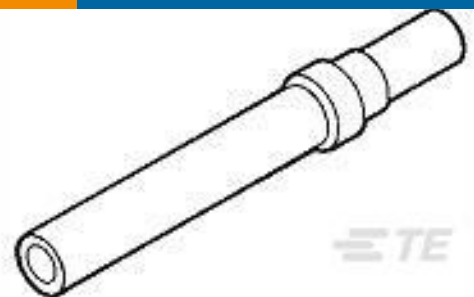
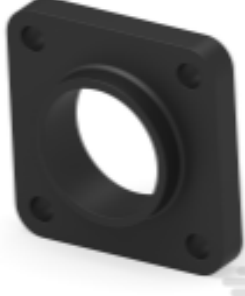
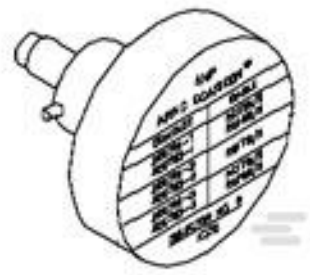
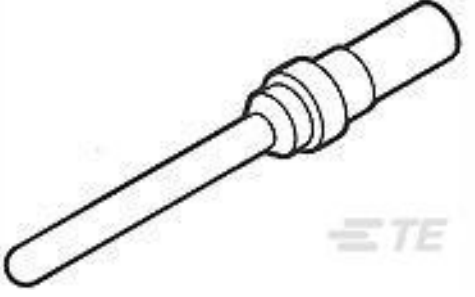
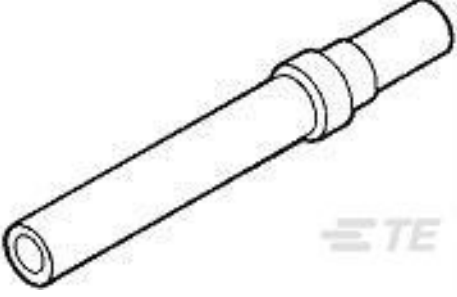


TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs



TE Part # CAT-AM71-C83998B
CPC Cable Clamps



 TE Part # CAT-035-DCCSC20 D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20	 TE Part # CAT-035-DCCPB20 D-Sub Connector Contacts: Pin, Brass, Signal, Size 20	 TE Part # CAT-AM71-C83998DD Connectors, CPC Series 2, with Posted Contacts	 TE Part # 207489-1 FLEXIBLE CABLE BOOT, SIZE 11
 TE Part # 207490-1 CABLE GRIPPER, SIZE 11	 TE Part # 205089-1 HD 20 PIN CONTACT	 TE Part # 205090-1 HD 20 SOCKET CONTACT	 TE Part # 2407269-2 CAP, CPC, SIZE 11 PLUG, BLACK
 TE Part # 213811-1 COUPLING RING,SZ 11,CPC	 TE Part # 207299-1 PLUG MTG. FLANGE NO 11 CPC	 TE Part # 601966-5 K13-1 POSITIONER	 TE Part # 601966-1 CRIMPING TOOL M22520/2-01
 TE Part # 91503-1 CCII AMPLIMITE 20 DF PIN SKT 28-20 ASSY	 TE Part # 205089-2 PIN CONTACT,SZ 20,AMPLIMITE	 TE Part # 206509-1 SIZE 20 KEYING PLUG	 TE Part # 205090-2 SKT CONT ASSY,SZ 20,AMPLIMITE

Also in the Series | AMP CPC

 Circular Power Connectors(458)	 Connector Backshells(1)	 Connector Caps & Covers(19)	 Connector Contacts(6)
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Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

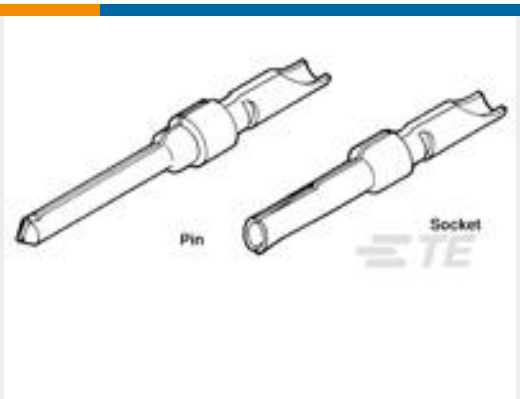
Customers Also Bought



TE Part #206039-1
CPC Connectors, Series 2



TE Part #NB-PTCO-032
Pt100, 1.2x4.0, Class B, PTFM101B1G0



TE Part #66570-3
20DF PIN CONT. LP



TE Part #868566-000
D-150-0124



TE Part #2-1856387-9
PGC 1,5-4 (C=6,3mm) Rouge



TE Part #ANT-DB1-LCD-RPS
Antenna 2.4/5.8GHz Dipole Tilt Swivel RP



TE Part #1-2176471-2
HPCR 0819 A 10% 47R Std T&R



TE Part #828859-1
CPC KABELKLEMME

Documents

Product Drawings
CPC PLUG ASSEMBLY SIZE 11-9
English

CAD Files
3D PDF
English
Customer View Model
ENG_CVM_206485-1_G.2d_dxf.zip



English

Customer View Model

[ENG_CVM_206485-1_G.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_206485-1_G.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

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Customer View Model

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English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

Product Specifications

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English