



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Environmentally Sealed Circular Connector, CPC Series 5



Connector Product Type: **Housing**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **3**
Sealable: **Yes**

[All Environmentally Sealed Circular Connector, CPC Series 5 \(8\)](#)

Features

Product Type Features

Connector Seal & Plug Type	Interfacial
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	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	3
Number of Power Positions	3
Number of Signal Positions	0



Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF - 2A
Polarization Code	A
Mating Retention	With
Panel Mount Feature	Without

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	3.96 - 6.6 mm[.015 - .26 in]
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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
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Packaging Features

Packaging Quantity	100
Packaging Method	Bag



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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

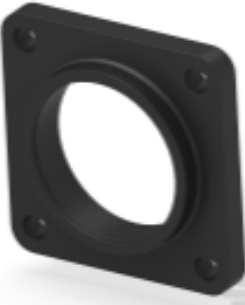
Product Compliance Disclaimer

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 # 207299-3
FLANGE PLUG MOUNT CPC

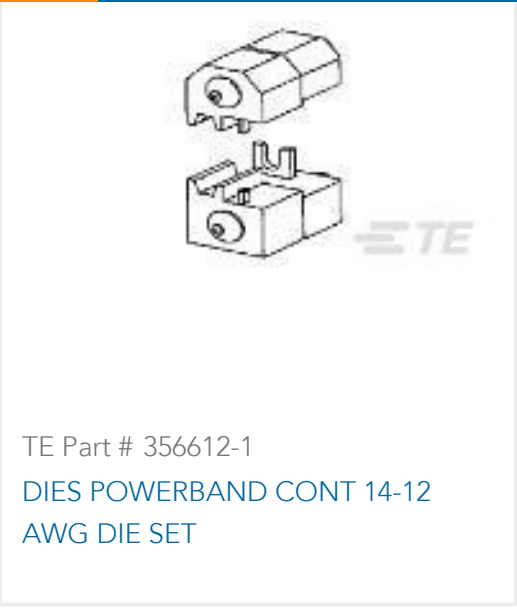


TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs



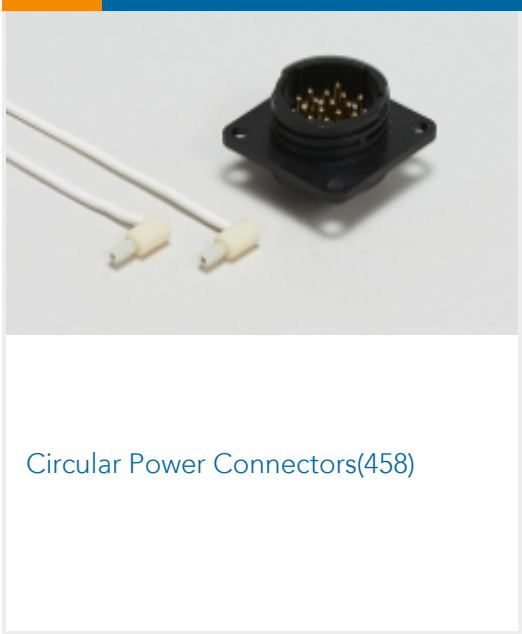
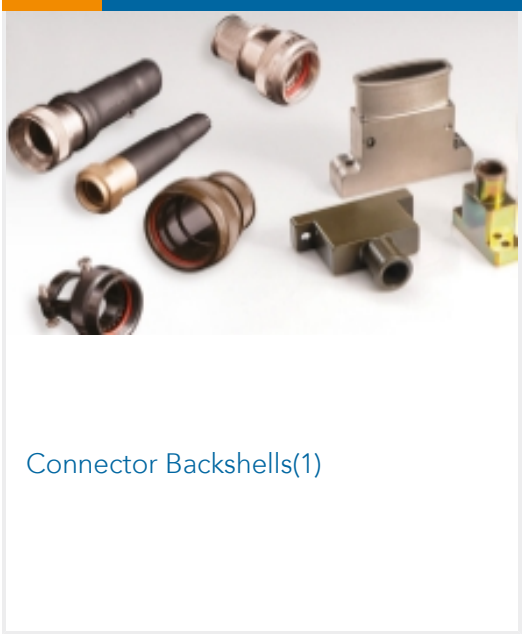
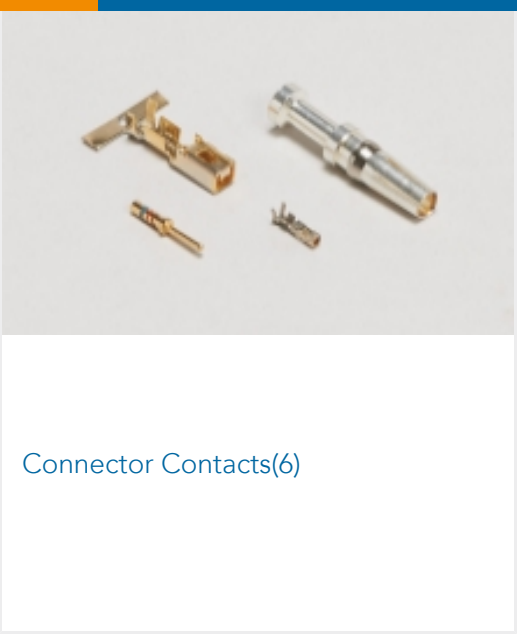
TE Part # CAT-AM71-C83998W
Sealed Accessories for CPC Series 5



 TE Part # 213889-2 CPC RECPT SEALED, SIZE 17-3	 TE Part # CAT-AM71-C83998K Circular Connector, Environmentally Sealed, CPC Series 6	 TE Part # 81665-2 FLANGE GASKET CPC	 TE Part # CAT-AM71-C83998V Sealed Cable Clamp - CPC Series 5
 TE Part # 213810-1 CPC COUPLING RING SIZE 17	 TE Part # 213900-1 CPC SEAL ASSY KIT, SRS 6, 17-10	 TE Part # 213890-2 CPC RECPT SEALED SIZE 17-3	 TE Part # 1-206062-2 CABLE CLAMP KIT #11
 TE Part # 213904-4 CPC CBL CLMP KIT, STD, SZ17, BULK	 TE Part # 213899-1 CPC SEAL ASSY KIT, SRS 5, 17-3	 TE Part # 356611-1 DIES POWERBAND CONT 8 AWG DIE SET	 TE Part # 356612-1 DIES POWERBAND CONT 14-12 AWG DIE SET
 TE Part # 356611-2 DIES POWERBAND CONT 10 AWG DIE SET	 TE Part # 3-2407269-1 CAP, CPC, SIZE 17 PLUG, ORANGE	 TE Part # 3-2407269-2 CAP, CPC, SIZE 17 PLUG, BLACK	 TE Part # 3-2407269-3 CAP, CPC, SIZE 17 PLUG, RED

Also in the Series

AMP CPC

 Circular Power Connectors(458)	 Connector Backshells(1)	 Connector Caps & Covers(16)	 Connector Contacts(6)
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Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

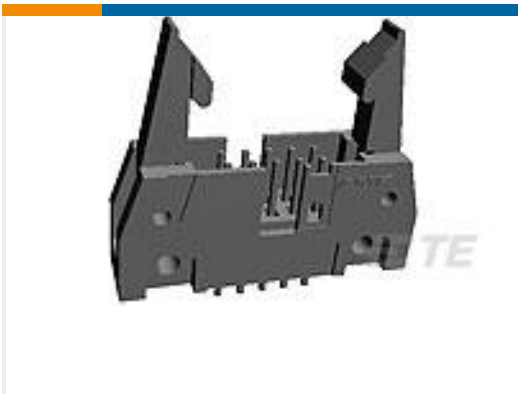


Sealing Sleeves(2)

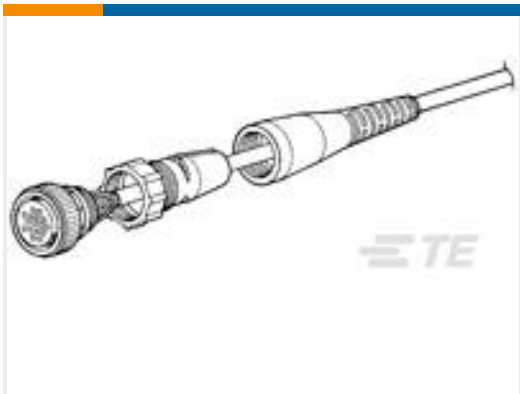
Customers Also Bought



TE Part # 213841-3
POWERBAND Contacts



TE Part # 5499206-1
A/L UNIV HDR 10P VERT LG LAT



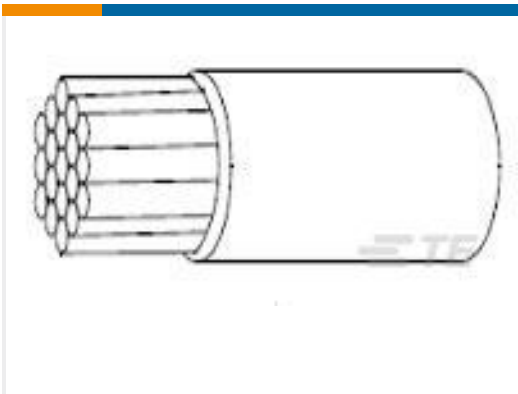
TE Part # 207387-1
CABLE GRIP,SZ 17,CPC



TE Part # 745508-4
FERRULE SPLIT RING, HD



TE Part # 1838891-1
M12 Mtl FEMALE PNL CONN. Sldr Rear (Hex)



TE Part # 216252-002
55A0111-12-5



TE Part # 282431-008
44A0111-12-5

Documents

Product Drawings

CPC PLUG ASSY,SERIES 5,SZ 17-3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_213905-1_F.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_213905-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213905-1_F.3d_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_213905-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_213905-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_213905-1_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

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[CSA Certificate](#)

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