



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: **Yes**

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

## Features

### Product Type Features

Connector Seal & Plug Type	Peripheral
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

### Configuration Features

Reverse Numbering	Without
Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37



### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	1-3/8 - 18 UNEF-2A
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

### Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon - GF
Circular Connector Shell Size	23

### 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	1
Packaging Method	Standard



Other

Power Connectors Comment	5 Locating Key Arrangement.
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

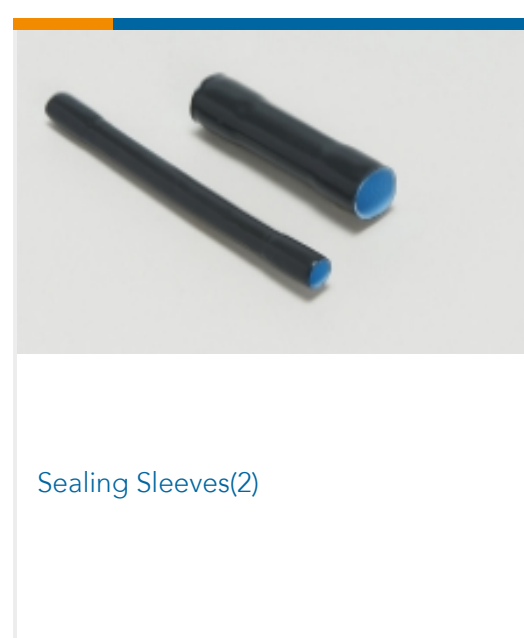
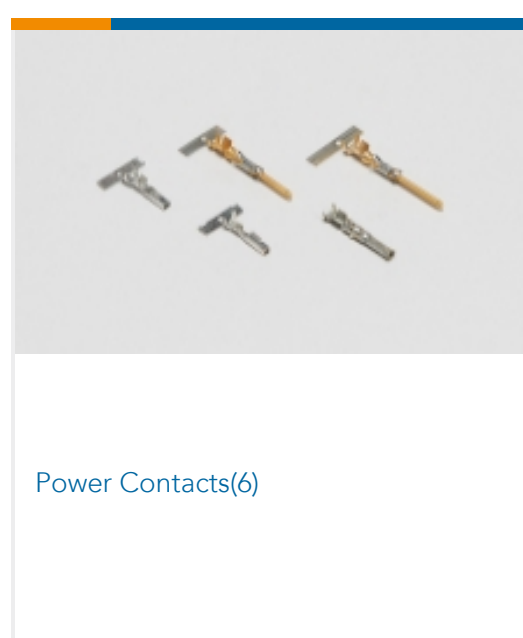
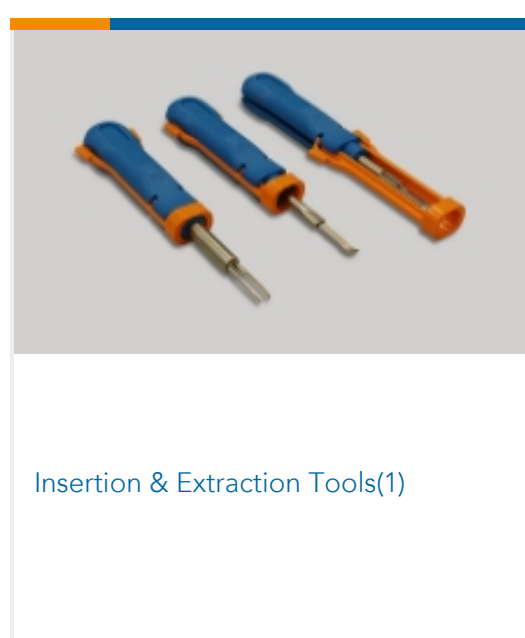
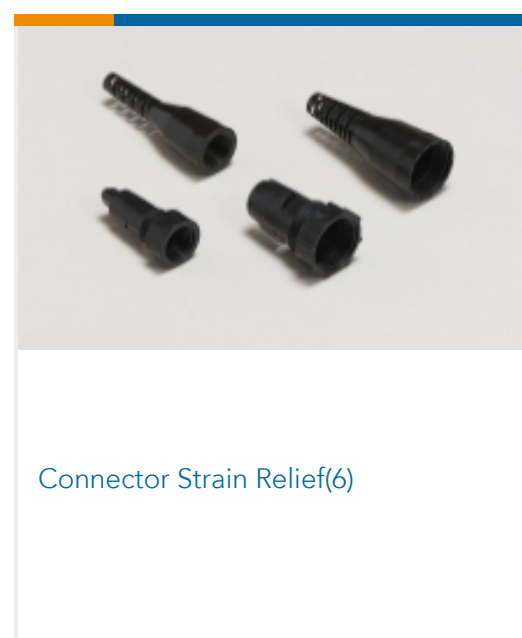
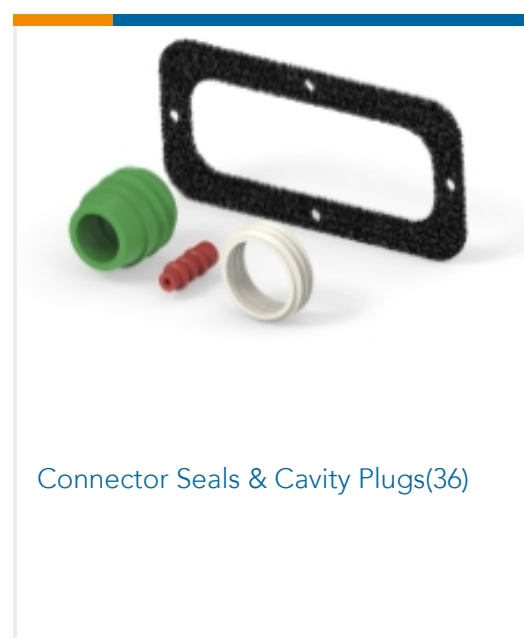
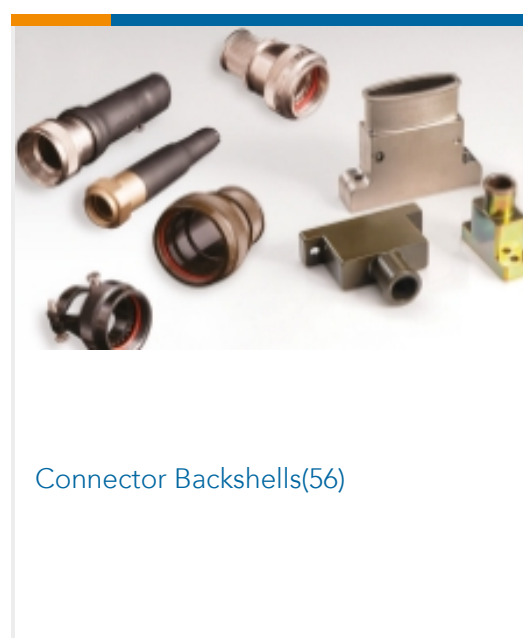
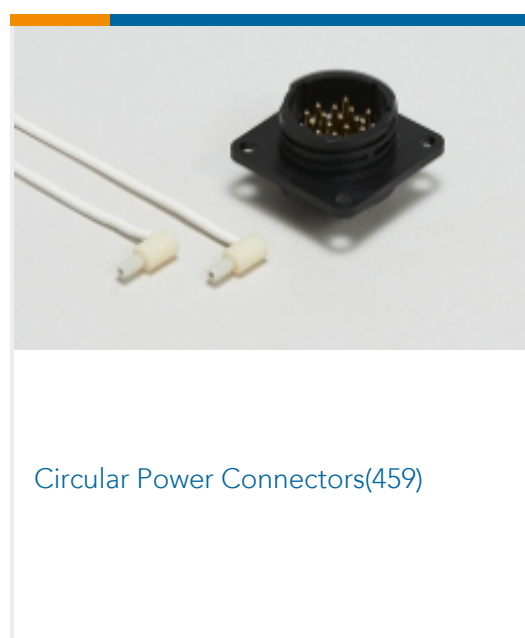
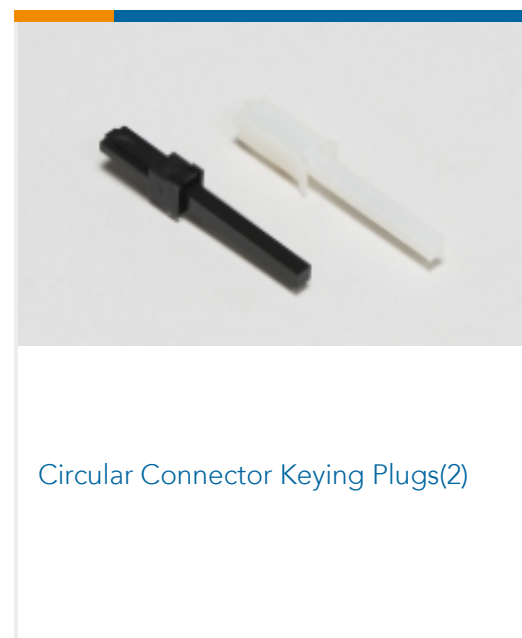
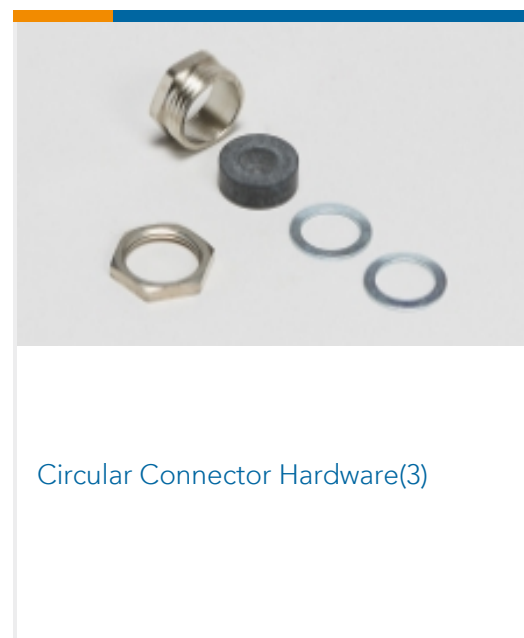
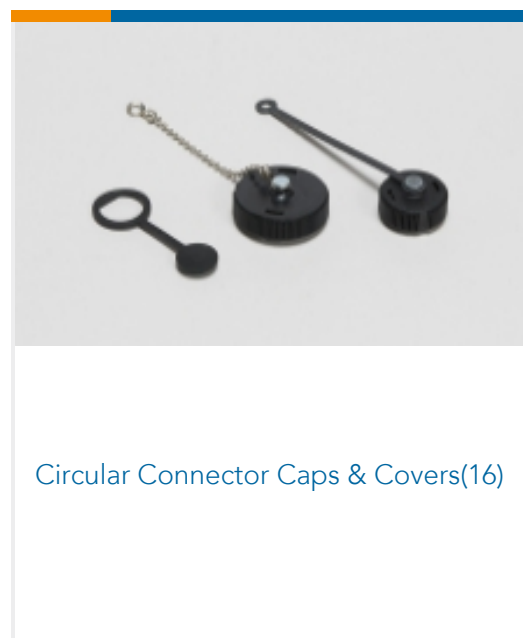
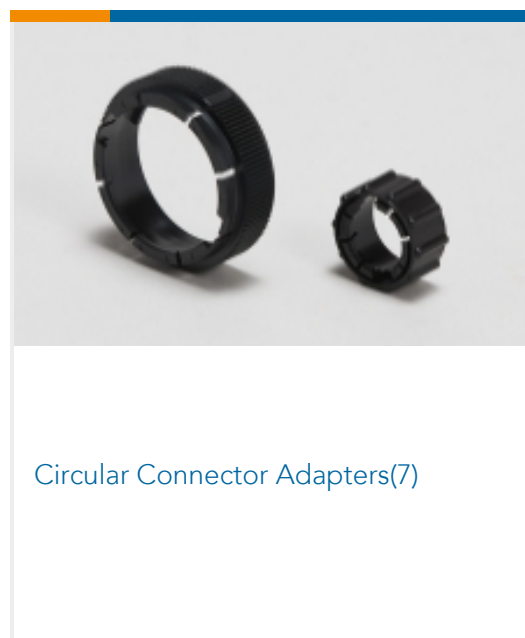
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 54012-1 CPC STRAIN RELIEF, SIZE 23</p>	 <p>TE Part # 206305-1 CPC PLUG ASSEMBLY SIZE 23-37</p>	 <p>TE Part # CAT-AM71-C83998L CPC Sealed Accessories</p>	 <p>TE Part # CAT-AM71-C83998Z CPC Sealing Kits/Accessories</p>
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Also in the Series | AMP CPC



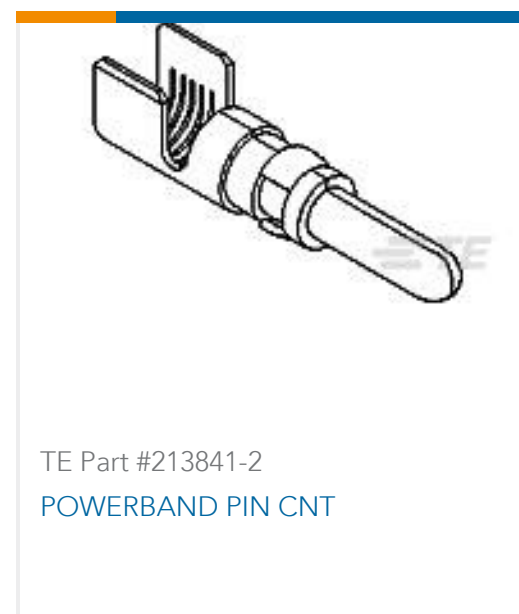
Customers Also Bought



TE Part #213905-1  
Environmentally Sealed Circular Connector, CPC Series 5



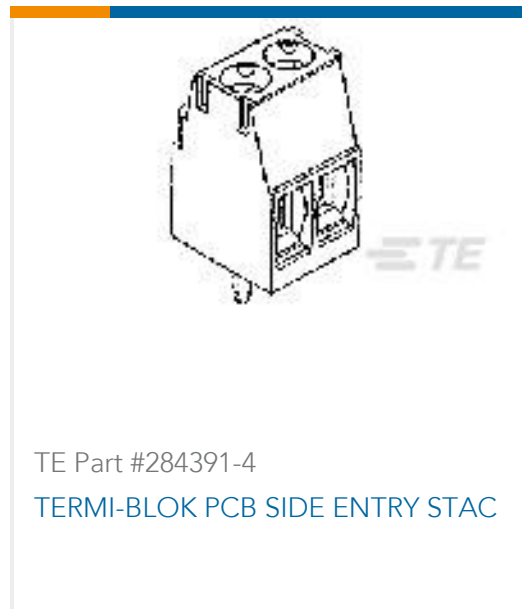
TE Part #206305-1  
CPC PLUG ASSEMBLY SIZE 23-37



TE Part #213841-2  
POWERBAND PIN CNT



TE Part #4-1625984-2  
HSA50 2R0 5%



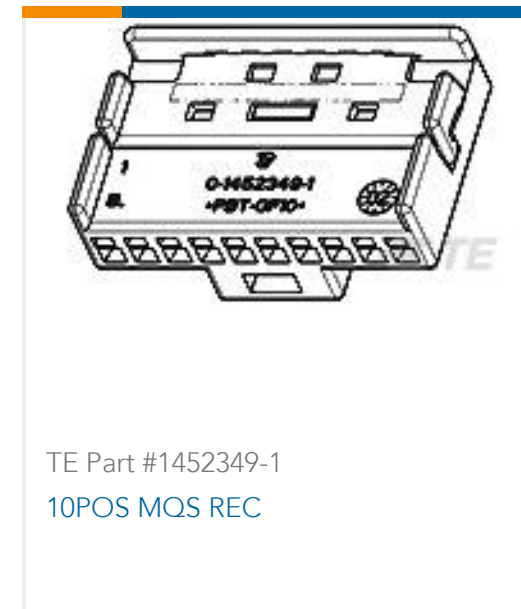
TE Part #284391-4  
TERMI-BLOK PCB SIDE ENTRY STAC



TE Part #9-1393116-0  
KUMP-14D18-12=KU



TE Part #368312-1  
3pos MQS .63 header 90deg



TE Part #1452349-1  
10POS MQS REC

## Documents

### Product Drawings

[CPC RECPT SEALED SIZE 23-37](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_206306-3\\_AL.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206306-3\\_AL.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206306-3\\_AL.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

[Product Compliance](#)



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[UL Report](#)

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