



Connectors > Power Connectors > Circular Power > Circular Power Connectors > One-Piece Connector, Sealed, CPC Series 1



Connector Product Type: **Housing**  
Operating Voltage: **600 VDC**  
Connector System: **Wire-to-Wire**  
Number of Positions: **37**  
Sealable: **Yes**

[All One-Piece Connector, Sealed, CPC Series 1 \(33\)](#)

Features

Product Type Features

Connector Seal & Plug Type	Wire Entry Seal
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	With
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	No
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	1 3/8-18 UNEF-2A
Polarization Code	A
Mating Retention	With
Panel Mount Feature	Without

Housing Features

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <b>Article Safe Usage Statements:</b> Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 207446-3  
SEALING CAP ASSY,SZ 23,CPC



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




TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 213812-1  
COUPLING RING,SZ 23,CPC



TE Part # CAT-AM71-C83998Y  
One-Piece Connector, Sealed, CPC Series 1




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  
Pin and Socket Contacts, Type III, LP, High Current



TE Part # 796075-1  
NGC SEALING PLUG



TE Part # CAT-AM71-T98B  
Strip Pin and Socket Contacts, Type III



TE Part # CAT-AM71-T98F  
Strip Pin and Socket Contacts, Type III, High Current




TE Part # CAT-AM71-C83998Z  
CPC Sealing Kits/Accessories




TE Part # 207299-4  
FLANGE PLUG




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

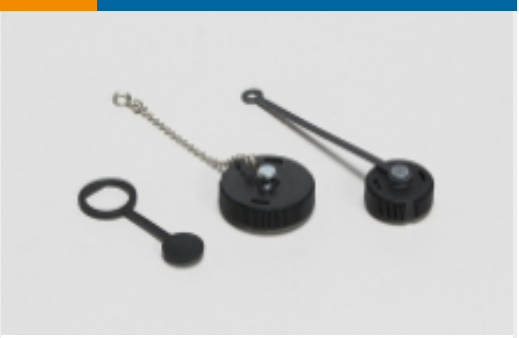


TE Part # 91521-1  
CCII TYPE III+ PIN SKT 18-14 ASSY

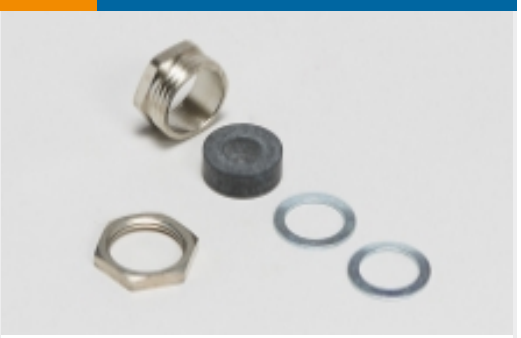
Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)





Circular Power Connectors(458)



Connector Backshells(56)



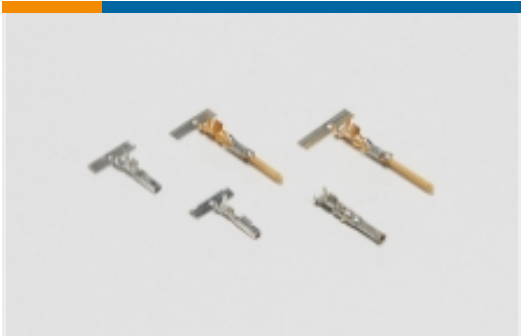
Connector Seals & Cavity Plugs(36)



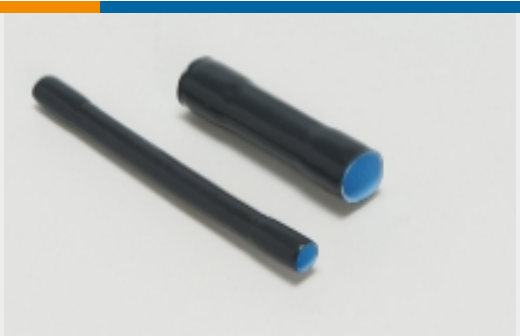
Connector Strain Relief(6)



Insertion & Extraction Tools(1)

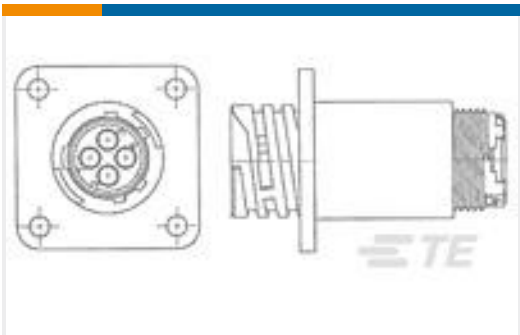


Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #796275-1  
SLD CPC RCPT ASSY,17-16,STD SX



TE Part #EL8204-000  
HX-CT-50M-3.2-OUT-4



TE Part #DRCP25-86PAA-G005  
HDR, 86P, BLK, ST, 12/20, SN/NI/CU, AA



TE Part #9101754001  
CGPT-3.2/1.6-45-SP



TE Part #F97343-000  
HX-SCE Low Fire Hazard Sleeves



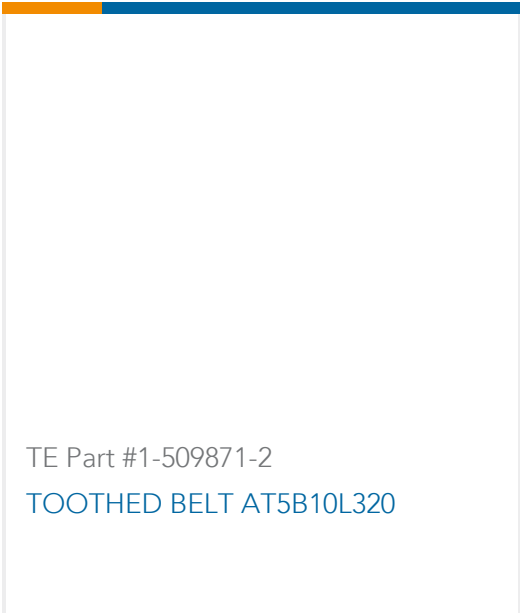
TE Part #K1137791  
Relay 30-314-13A



TE Part #270225-000  
B-150-07



TE Part #0942318R02  
DTP RECP ASM



TE Part #1-509871-2  
TOOTHED BELT AT5B10L320

Documents



Product Drawings

PLUG.ASSY,23-37STD SEX THRD AD

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_796288-1\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_796288-1\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_796288-1\_E.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

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English