

1977887-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977887-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 37 Position, Sealable, Wire & Cable, Plug, Socket, Signal, Black, All Plastic, AMP CPC

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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 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	37
Number of Power Positions	0
Seal Type	Wire Entry Seal
Keying	A
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

Screw & Hole Thread Size	1 3/8-18 UNEF-2A
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	Nylon (UV Resistant)
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
VDE Tested	No

### Packaging Features

Packaging Method	Package
Packaging Quantity	1



## 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: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # CAT-AM71-T98 Pin and Socket Contacts, Type II</p>	 <p>TE Part # CAT-AM71-C83998L CPC Sealed Accessories</p>	 <p>TE Part # CAT-AM71-T98E Pin and Socket Contacts, Type III, LP</p>
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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



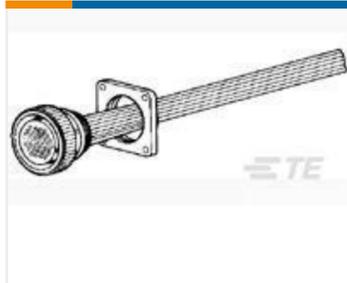
TE Part # CAT-AM71-T98B  
Strip Pin and Socket Contacts, Type III



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



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



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE

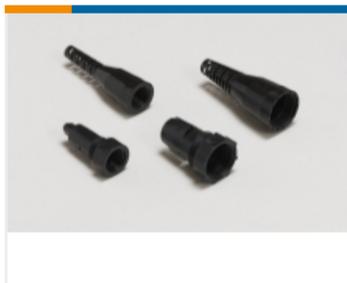


TE Part # 91523-1  
CCII TYPE III+ PIN SKT 24-16 ASSY

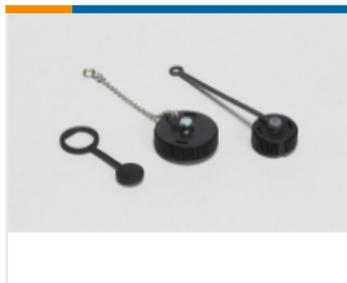
Also in the Series | AMP CPC



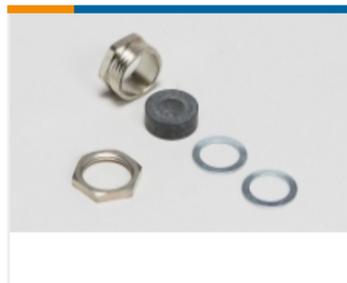
Circular Connector Adapters(7)



Circular Connector Boots & Strain  
Relief(6)



Circular Connector Caps & Covers(16)



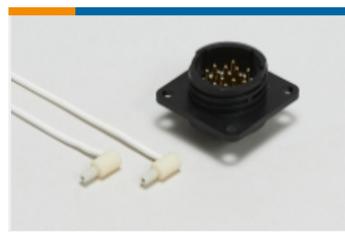
Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(56)

## Documents

### Product Drawings

[PLUG.ASSY,23-37STD SEX THRD AD, UV RESIS](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1977887-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1977887-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1977887-1\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[6-1773700-2\\_UV\\_Resistant\\_Sealed\\_CPC](#)

German

[6-1773700-2\\_UV\\_Resistant\\_Sealed\\_CPC](#)

[6-1773700-2\\_UV\\_Resistant\\_Sealed\\_CPC](#)

Japanese

[6-1773700-2\\_UV\\_Resistant\\_Sealed\\_CPC](#)

English

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## Product Specifications

### Product Specification

English