



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: **9**

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        | 9    |
| Number of Power Positions  | 0    |
| Number of Signal Positions | 9    |



Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

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           | 3/4 - 20 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 | 13       |

Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | 1.65 – 3.05 mm [.065 – .12 in] |
|--------------------------------------|--------------------------------|

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 |
|------------------------|----------|

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: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2023 (233)<br>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-C83998B  
CPC Cable Clamps



TE Part # 54123-1  
CPC,13 LONG TUBE



TE Part # 81665-4  
ECONOSEAL, FLANGE GASKET



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-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 # 211870-2  
SEALING CAP ASSY, SZ 13, CPC



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 # 91542-1  
CCII TYPE III+ PIN SKT 24-22 ASSY



TE Part # 91519-1  
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



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



TE Part # 208338-1  
SEAL PROTECTOR SOCKET



TE Part # 213485-1  
CPC SEALING CAP ASSY SIZE 13



TE Part # 193846-1  
SKT ASSY.

Also in the Series | AMP CPC



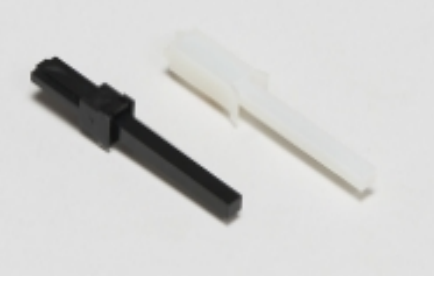
Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(459)



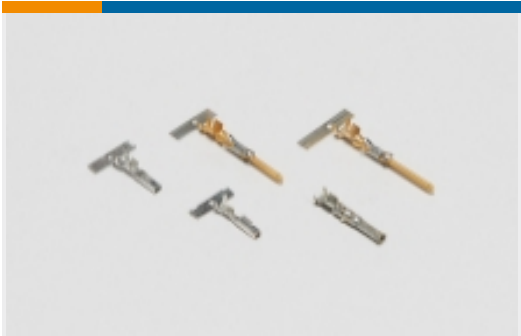
Connector Backshells(56)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #788153-2  
One-Piece Connector, Sealed, CPC Series 1



TE Part #284742-1  
MQS, CONNECTOR HOUSING

Documents

Product Drawings

SLD CPC PLUG ASSY,13-9,STD SEX

English

CAD Files

Customer View Model

ENG\_CVM\_788157-2\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_788157-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_788157-2\_B.3d\_igs.zip

English

3D PDF

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_788157-2\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_788157-2\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_788157-2\\_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

Product Environmental Compliance

[TE Material Declaration](#)

English