



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: **24**  
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        | 24   |
| Number of Power Positions  | 0    |
| Number of Signal Positions | 24   |



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             | 1-3/8 - 18 UNEF-2A         |
| Polarization Code       | A                          |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| 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 |
|------------------------|----------|

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 # CAT-AM71-C83998HH  
CPC SEALED ACCESSORIES



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



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



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 # 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

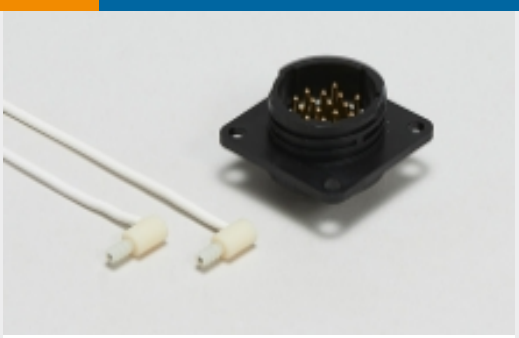


TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE

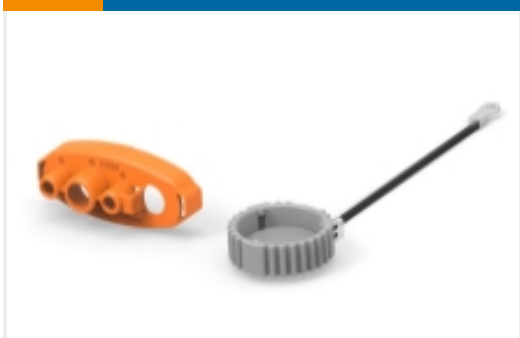
Also in the Series | AMP CPC



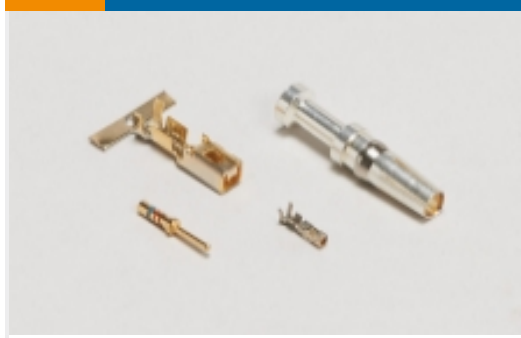
Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(19)



Connector Contacts(6)





Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part #796286-1  
One-Piece Connector, Sealed, CPC Series 1



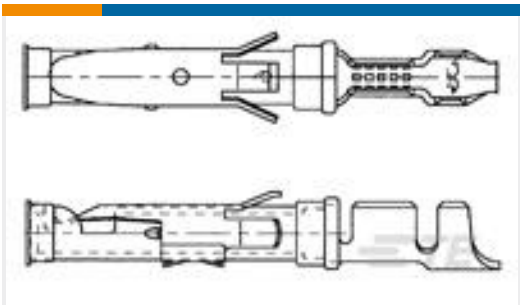
TE Part #183075-1  
SQUARE FLG.23-24STD.SEX SRS 1



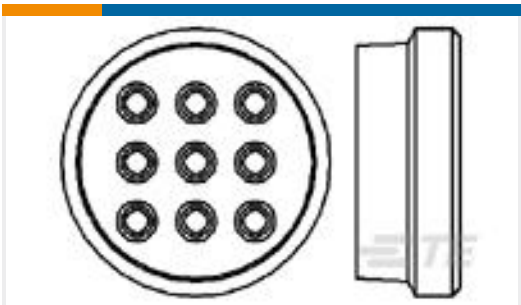
TE Part #66101-4  
III+ SKT,18-16,30AU/FL,LP



TE Part #213894-2  
CPC RECPT SEALED SIZE 17-10



TE Part #163087-9  
062 SOC.ASS. TYP3+



TE Part #213926-1  
CPC SEAL ASSY KIT,RH,SR 1,13-9



TE Part #4-644463-2  
12P MTA156 CONN ASSY 22AWG RED

Documents

Product Drawings

SLD CPC PLUG ASSY,23-24,STD SX

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_796188-1\_D.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_796188-1\\_D.3d\\_igs.zip](#)

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Customer View Model

[ENG\\_CVM\\_CVM\\_796188-1\\_D.3d\\_stp.zip](#)

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English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Product Specification](#)

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Agency Approvals

[UL Report](#)

English