

1977880-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977880-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 4 Position, Sealable, Wire & Cable, Receptacle, Reverse Gender, Socket, Signal, 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: **4**

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	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	4
Number of Power Positions	0
Seal Type	Wire Entry Seal
Keying	A
Number of Signal Positions	4



Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Screw & Hole Thread Size	5/8-24 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 6/6 (UV Resistant)
Circular Connector Shell Size	11

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: JUL 2019 (201) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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 # CAT-AM71-C83998 CPC Heat Shrink Strain Reliefs</p>	 <p>TE Part # 81665-3 ECONOSEAL, FLANGE GASKET</p>	 <p>TE Part # 1977881-1 SLD CPC PLUG ASSY,11-4,REV SEX, UV RESIS</p>	 <p>TE Part # 208800-1 SEALING CAP ASSY,SZ 11,CPC</p>
 <p>TE Part # 206903-2 SEALING CAP ASSY,SZ 11,CPC</p>	 <p>TE Part # 208337-1 SEAL PROTECTOR PIN</p>	 <p>TE Part # 1-2407269-2 CAP, CPC, SIZE 11 RECP & 13 PLUG, BLACK</p>	 <p>TE Part # 1-2407269-1 CAP, CPC, SIZE 11 RECP & 13 PLUG, ORANGE</p>

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)



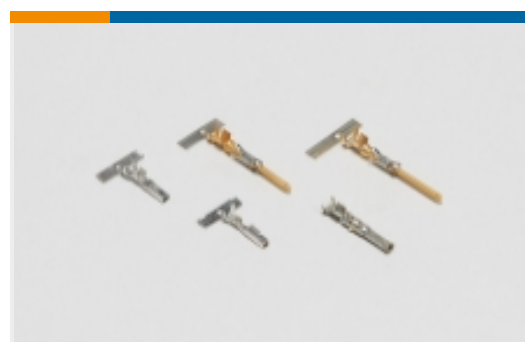
Circular Connector Seals(36)



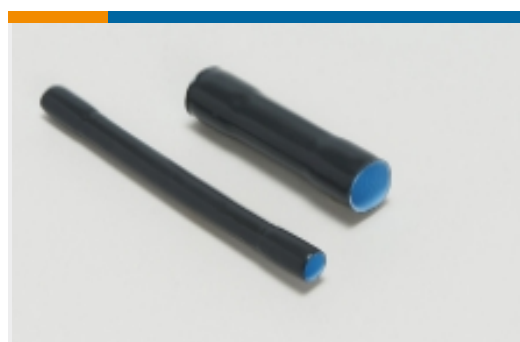
Circular Power Connectors(467)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

SLD CPC RCPT ASSY,11-4,REV SEX, UV RESIS

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1977880-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977880-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977880-1_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

Product Specifications

[Product Specification](#)

English