



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	Peripheral, Wire Entry Seal
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	9
Number of Power Positions	0
Number of Signal Positions	9



Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
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 (UV Resistant)
Circular Connector Shell Size	13

Dimensions

Compatible Insulation Diameter Range	1.65 – 2.54 mm [.065 – .1 in]
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # CAT-AM71-C83998HH
CPC SEALED ACCESSORIES



TE Part # 54123-1
CPC,13 LONG TUBE



TE Part # 81665-4
ECONOSEAL, FLANGE GASKET



TE Part # 1977884-1
SLD CPC PLUG ASSY,13-9,STD SEX, UV RESIS





TE Part # 208337-1
SEAL PROTECTOR PIN



TE Part # 2-2407269-3
CAP, CPC, SIZE 13 RECP, RED



TE Part # 2-2407269-2
CAP, CPC, SIZE 13 RECP, BLACK




TE Part # 2-2407269-4
CAP, CPC, SIZE 13 RECP, YELLOW




TE Part # 2-2407269-1
CAP, CPC, SIZE 13 RECP, ORANGE


Also in the Series | AMP CPC




Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(19)



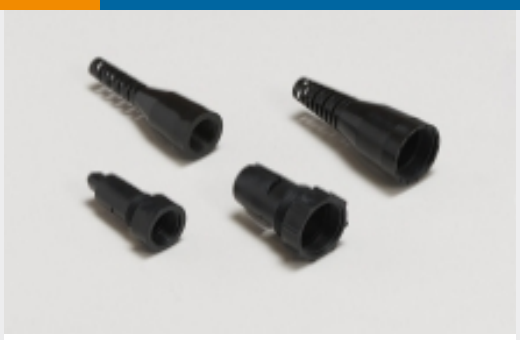
Connector Contacts(6)



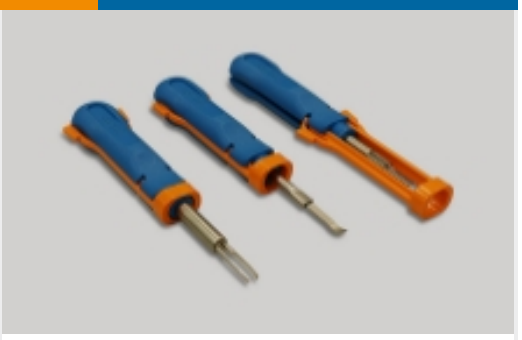
Connector Hardware(12)




Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)




Insertion & Extraction Tools(1)




Sealing Sleeves(2)

Customers Also Bought






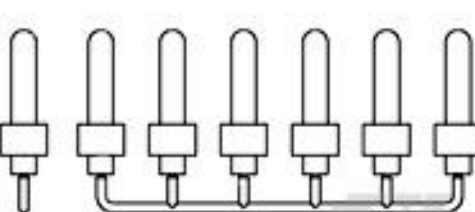
TE Part #211398-2
CPC RECPT. SIZE 13-7




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



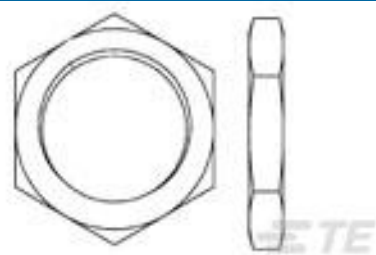
TE Part #81665-4
CPC Sealed Accessories




TE Part #796075-1
NGC SEALING PLUG



TE Part #T4162113004-005
RPC-M12-4MS-5.0SH-M12-4FS-PVC



TE Part #1604196-1
NUT,JAM,5/8-24,PKG QTY 100



TE Part #1-66361-3
III+ PIN,18-14,TIN,SMPACK

Documents

Product Drawings
SLD CPC RCPT ASSY,13-9,STD SEX, UV RESIS
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1977883-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1977883-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1977883-1_B.3d_stp.zip
English

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

Product Specifications
Connector, Circular Plastic
English
Product Specification
English