



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Connector, Environmentally Sealed, CPC Series 6



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **37**
Sealable: **Yes**

[All Circular Connector, Environmentally Sealed, CPC Series 6 \(19\)](#)

Features

Product Type Features

Connector Seal & Plug Type	Peripheral
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	37
Number of Power Positions	0
Number of Signal Positions	37



Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	1-3/8 - 18 UNEF-2A
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon - GF
Circular Connector Shell Size	23

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Standard



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	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 # 54012-1
CPC STRAIN RELIEF,SIZE 23



TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # CAT-AM71-C83998L
CPC Sealed Accessories



TE Part # CAT-AM71-C83998Z
CPC Sealing Kits/Accessories



TE Part # 206305-4
CPC PLUG ASSEMBLY SIZE 23-37

TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED

TE Part # 6-2407269-1
CAP, CPC, SIZE 23 RECP, ORANGE

TE Part # 6-2407269-4
CAP, CPC, SIZE 23 RECP, YELLOW

TE Part # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK

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)

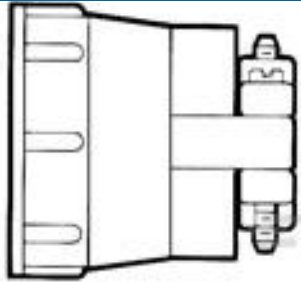
Connector Strain Relief(60)

Insertion & Extraction Tools(1)

Sealing Sleeves(2)

Customers Also Bought





TE Part #207774-3
CLAMP CABLE SHELL,SIZE 23



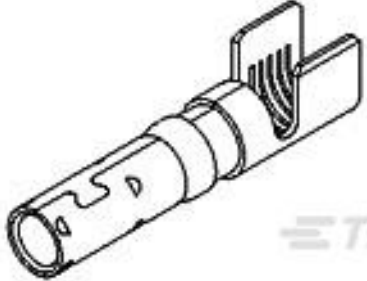
TE Part #206151-1
23-37 RECEPT STD SEX



TE Part #206305-1
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part #208483-1
CMC RECEPTACLE ASSY,SIZE 28



TE Part #213843-2
POWERBAND SKT ASY,8-10,STRIP



TE Part #5787083-7
68 50SR R/A RCPT ASSY,RDSN L/F



TE Part #749805-7
KIT,HDP-20,PLUG,SIZE 1, 9 POSN



TE Part #4-1625984-2
HSA50 2R0 5%



TE Part #213893-2
CPC RECPT SEALED SIZE 17-10

Documents

Product Drawings
CPC RECPT SEALED SIZE 23-37

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_206306-3_AL.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_206306-3_AL.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_206306-3_AL.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English