



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: **24**
Sealable: **No**

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

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Plug
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	24
Number of Power Positions	0
Number of Signal Positions	24

Electrical Characteristics

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Operating Voltage	600 VAC
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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 6/6 GF
Circular Connector Shell Size	23

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	100
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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-C83998F
Connectors with Posted Pin Contacts, CPC Series 1



TE Part # CAT-AM71-A17
POWERBAND Contacts



TE Part # CAT-AM71-C83998J
Cable/Panel Mount Connector, CPC Series 1



TE Part # 207446-3
SEALING CAP ASSY,SZ 23,CPC



TE Part # 206838-3
CPC RECPT SEALED SIZE 23-24



TE Part # 54012-1
CPC STRAIN RELIEF,SIZE 23



TE Part # CAT-AM71-C83998K
Circular Connector, Environmentally Sealed, CPC Series 6



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



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

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(2)



Connector Caps & Covers(16)



Connector Contacts(6)



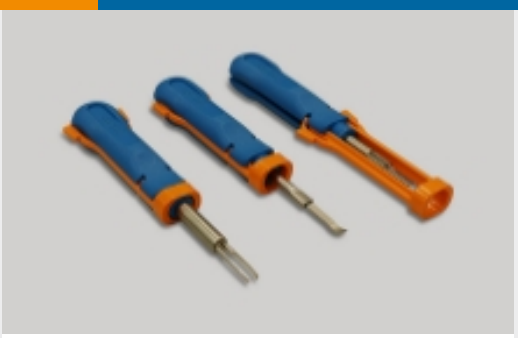
Connector Hardware(12)



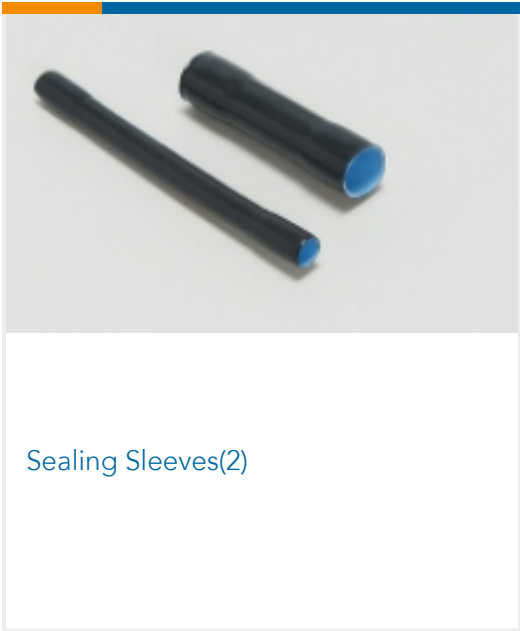
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 206838-3
CPC RECPT SEALED SIZE 23-24



TE Part # 206138-8
CPC Cable Clamps



TE Part # 206037-1
Circular Connector, Environmentally Sealed, CPC Series 6



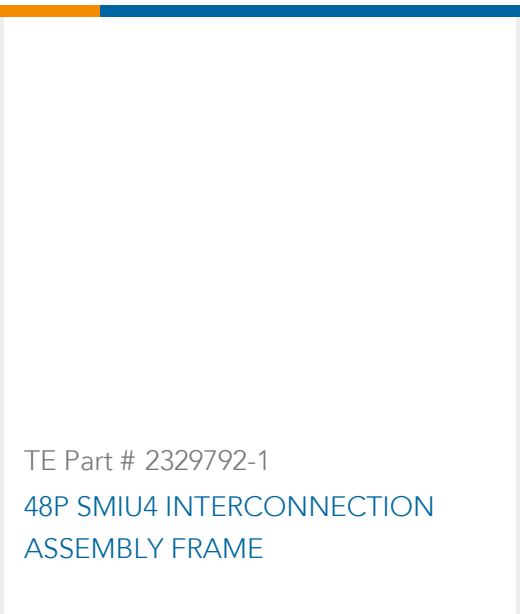
TE Part # 206705-1
CPC RECP. ASY SIZE 13-9



TE Part # 182652-1
23 SIZE CPC STD CLAMP



TE Part # K1070495
Emergency Power Switch Type 24-05-00-903



TE Part # 2329792-1
48P SMIU4 INTERCONNECTION ASSEMBLY FRAME

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-24

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206837-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206837-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206837-1_H.3d_stp.zip

English

3D PDF



English

Customer View Model

[ENG_CVM_206837-1_G1.2d_dxf.zip](#)

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Customer View Model

[ENG_CVM_206837-1_G1.3d_igs.zip](#)

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Customer View Model

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English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English