



Connectors > Power Connectors > Circular Power > Circular Power Connectors



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

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	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	No
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	1 1/18-18 UNEF-2A
Polarization Code	A
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
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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
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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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <b>Article Safe Usage Statements:</b> 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	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 # 208680-1  
SEALING CAP ASSY,SZ 23,CPC



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



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



TE Part # 796288-1  
PLUG.ASSY,23-37STD SEX THRD AD



TE Part # 81665-5  
ECONOSEAL, FLANGE GASKET



TE Part # 207052-2  
SZ23 UNASSM KIT,CPC



TE Part # 207052-3  
SZ23 UNASSM KIT,CPC



TE Part # 207052-1  
SZ23 UNASSM KIT,CPC



TE Part # 208337-1  
SEAL PROTECTOR PIN



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



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




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



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

Also in the Series | AMP CPC




Circular Power Connectors(425)



Connector Backshells(1)




Connector Caps & Covers(16)



Connector Contacts(6)



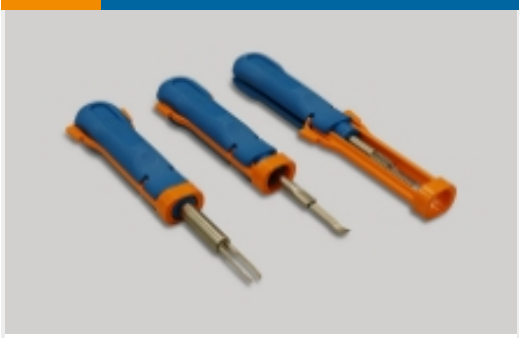
Connector Hardware(12)



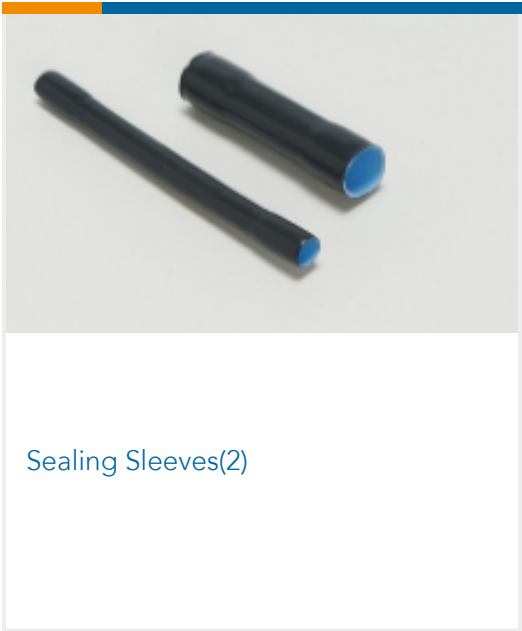
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Customers Also Bought

TE Part #DT06-08SA-E003  
PLG, 8P, GRY, N, CAP, A

TE Part #776433-3  
AMPSEAL 16 Housings

TE Part #796075-1  
NGC SEALING PLUG

TE Part #3-1904131-5  
V23134A4052X544-EV-CBOX

TE Part #1443997-1  
BASE ASSEMBLY, 60 POSITION, BB

TE Part #6-1355683-3  
MT3BU-GEH ASSY6P,SW

TE Part #1-1924067-4  
2POS, MCON 1.2 CB REC 2p TL SEALED

TE Part #458141-4  
CRIMPER WIRE SPL STEPPED

Documents

Product Drawings  
RCPT.ASSY,23-37STD SEX FREE HG  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_796287-1\_L.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_796287-1\_L.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_796287-1\_L.3d\_stp.zip  
English

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**Datasheets & Catalog Pages**  
**AMP Circular Connectors for Commercial Signal & Power Applications**  
English

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**Product Specifications**  
**Product Specification**  
English