



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

Connector System: **Wire-to-Panel**

Number of Positions: **8**

Sealable: **No**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	No
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
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Mating Alignment	With
Panel Mount Feature Type	Feedthrough, Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	11

Dimensions

Assembly Length	26.29 mm[1.035 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	27
Packaging Method	Bag

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233)



SVHC > Threshold:

Pb (3.7% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. 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

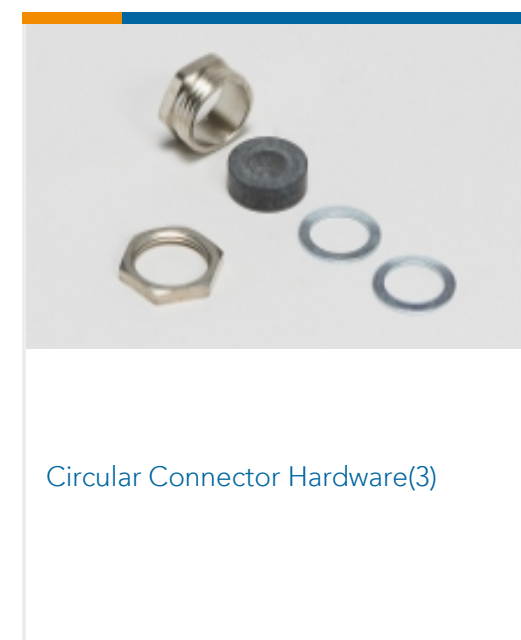
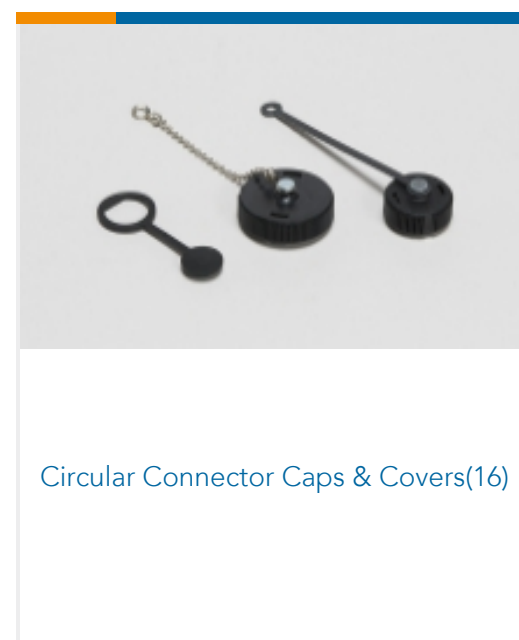
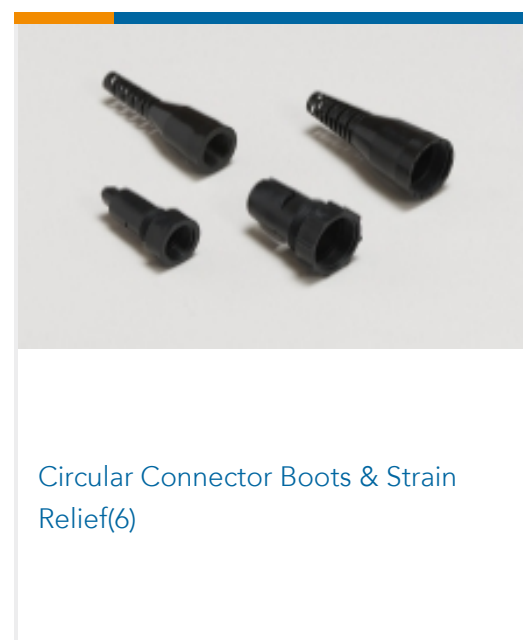
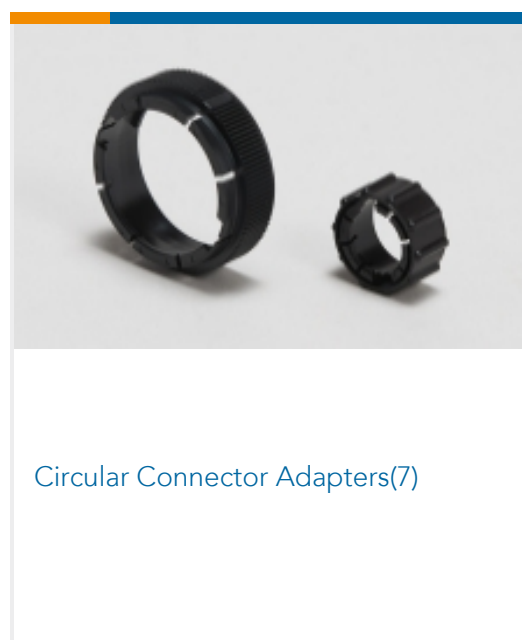
Product Compliance Disclaimer

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



Also in the Series | AMP CPC





Circular Connector Keying Plugs(2)



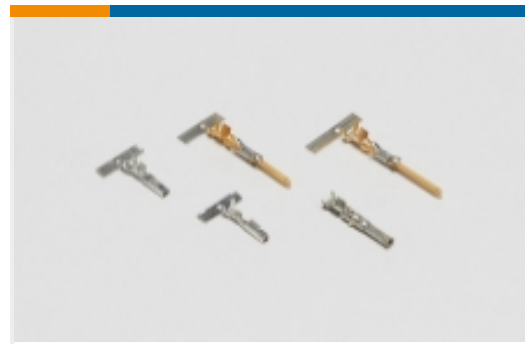
Circular Connector Seals(36)



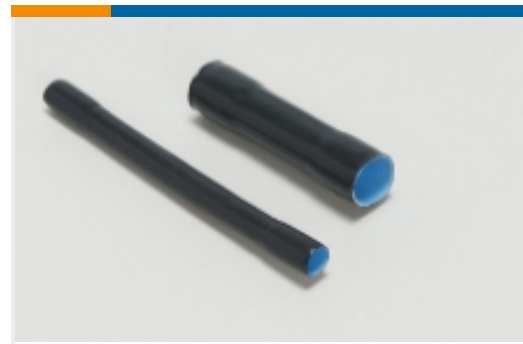
Circular Power Connectors(459)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #206552-1
Cable/Panel Mount Connector, CPC Series 1



TE Part #1-66504-0
SOCKET CONTACT, 20 DF



TE Part #320619
TERMINAL, PIDG R 16-14 6



TE Part #5748676-2
DIE CAST CBL CLMP KIT, SZ 2



TE Part #205164-1
AMPLIMITE, ASY, PLUG, STD, 109, 2



TE Part #103956-2
8X3 MTE RCPT SR LATCH .100CL



TE Part #66259-1
MALE CONTACT ASSY. (L.P.)



TE Part #5-103944-2
5X3 MTE SHRD PIN SR POL .100

Documents

Product Drawings

CPC RECPT ASSEMBLY SIZE 11-8

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_206458-1_E.2d_dxf.zip



English

Customer View Model

[ENG_CVM_206458-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206458-1_E.3d_stp.zip](#)

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[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_206458-1_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206458-1_N.3d_igs.zip](#)

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English

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Datasheets & Catalog Pages

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

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

English

[CSA Certificate](#)

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