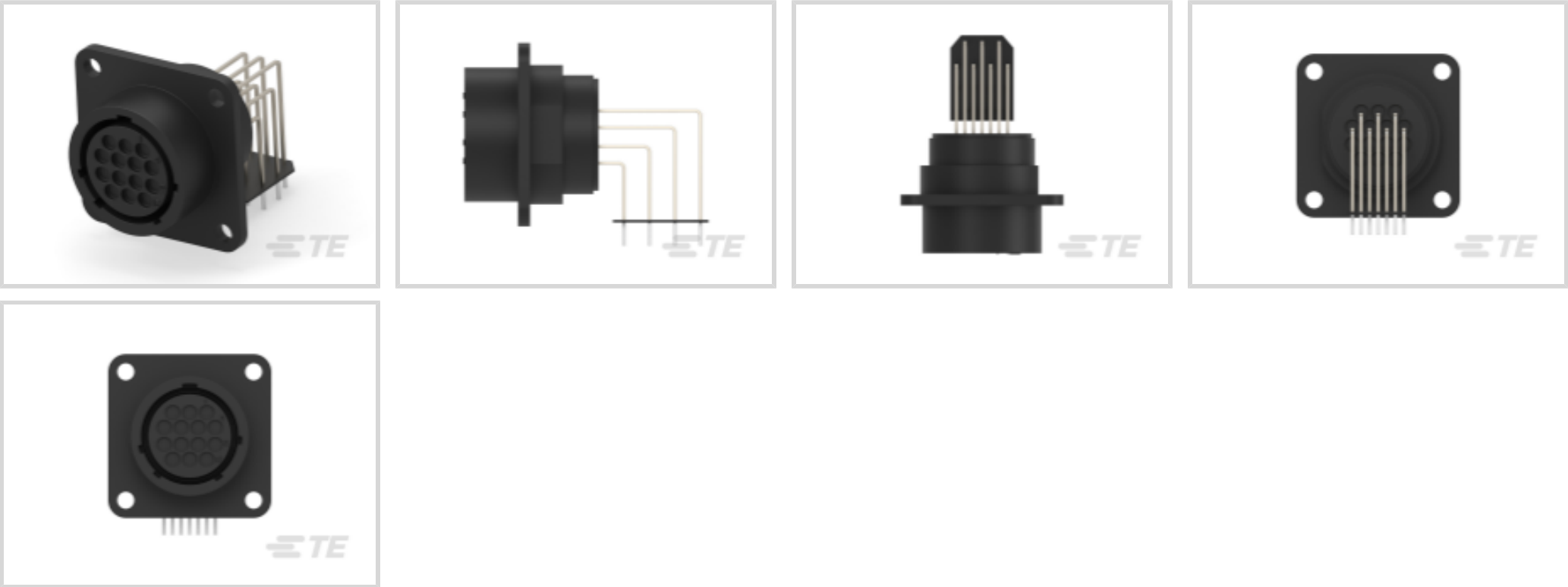




Connectors > Power Connectors > Circular Power > Circular Power Connectors > Connectors with Posted Pin Contacts, CPC Series 1



Connector Product Type: **Connector Assembly**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Board, Wire-to-Panel**
Number of Positions: **14**
Sealable: **No**

[All Connectors with Posted Pin Contacts, CPC Series 1 \(39\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	14
Number of Power Positions	0
Number of Signal Positions	14

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
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Contact Type	Socket
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	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	PA 6.6
Circular Connector Shell Size	17

Dimensions

Assembly Length	49.53 mm[1.95 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

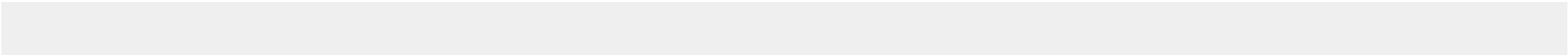
UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	14
Packaging Method	Tray

Product Compliance

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





EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% 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	Wave solder capable to 265°C

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>

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(2)

Connector Caps & Covers(16)

Connector Hardware(12)

A collection of various seals and cavity plugs, including a large black rectangular seal, a green ring, a red ring, and a white ring.

Connector Seals & Cavity Plugs(36)

A collection of various connector strain relief components, including black and white plastic parts.

Connector Strain Relief(60)

A collection of various insertion and extraction tools, including blue and orange plastic tools.

Insertion & Extraction Tools(1)

A collection of various power contact components, including gold and silver metal parts.

Power Contacts(6)

A collection of various sealing sleeves, including black and blue plastic parts.

Sealing Sleeves(2)

Customers Also Bought

A black circular connector with a textured surface.

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

A black connector with a circular face and a textured surface.

TE Part #1-796406-1
Connectors with Posted Pin Contacts, CPC Series 1

A black rectangular connector with a textured surface.

TE Part #2-87175-2
10 LOCKING CLIP HSG SR .100CL

A black connector with a circular face and a textured surface.

TE Part #1776904-1
CPC POSTED RCPT,17-16,R/A

A black connector with a circular face and a textured surface.

TE Part #865656-1
7 PIN MIN PLUG KIT

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_796348-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_796348-2_C.3d_igs.zip



English
Customer View Model
[ENG_CVM_796348-2_C.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

Product Environmental Compliance
[MD_796348-2_05272014048_dmtec](#)
English
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