



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: 37

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	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

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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
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Mating Alignment	With
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Panel Mount Feature Type	Flange with Mounting Holes
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Mating Retention Type	Threaded Coupling
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Polarization Code	A
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Connector Mounting Type	Panel Mount
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Mating Retention	With
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Panel Mount Feature	With
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Housing Features

Housing Color	Black
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Housing Material	PA 6.6
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Circular Connector Shell Size	23
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Dimensions

Assembly Length	64.77 mm[2.55 in]
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Usage Conditions

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

Circuit Application	Signal
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Shielded	No
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	8
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Packaging Method	Tray
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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 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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>

Compatible Parts



TE Part # CAT-AM71-C83998B
CPC Cable Clamps



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



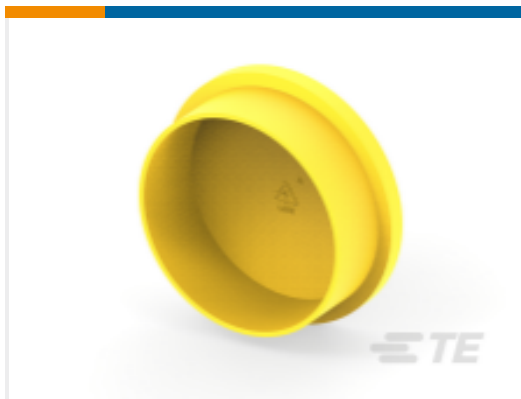
TE Part # 207299-4
FLANGE PLUG



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



TE Part # 207055-1
EXTENDER BACK SHELL



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



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



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



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

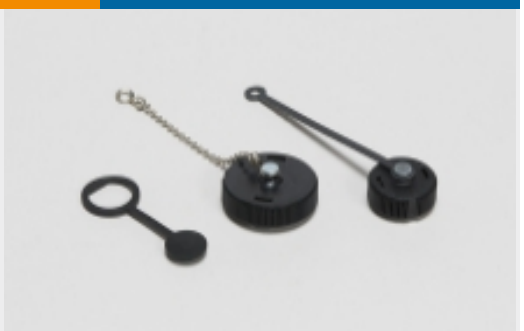
Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



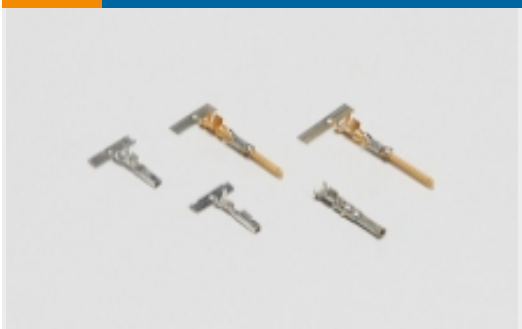
Circular Connector Seals(36)



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 #1-1415899-7
RZ03-1A4-D024



TE Part #1-796375-1
CPC PSTD RCPT,13-9,R/A LF



TE Part #1879463-5
RL73H 2E R15 1% 5K RL



TE Part #5103309-1
A/L LOW PRO HDR 10P VERT BLACK



TE Part #1879208-1
CPF 0402 10R 0.1% 25PPM 1K RL

TE Part #9-1879215-9
CPF 0402 48K7 0.1% 25PPM 1K RL

TE Part #2-2176093-8
RP 2A 0.25W 18K2 0.1% 25PPM 1K RL

TE Part #208979-2
CONV OUTLET ASSY (BLACK)

TE Part #5-1879212-7
CPF 0402 82K5 0.1% 25PPM 5K RL

Documents

Product Drawings

CPC PSTD RCPT,23-37,R/A LF

English

CAD Files

Customer View Model

ENG_CVM_1-796409-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796409-1_F.3d_stp.zip

English

Customer View Model

ENG_CVM_1-796409-1_F.2d_dxf.zip

English

3D PDF

3D

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-796409-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-796409-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-796409-1_G.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