



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Connector Assembly**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Board**
Number of Positions: **57**
Sealable: **No**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	57
Number of Power Positions	0
Number of Signal Positions	57

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Termination Features



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

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

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

Dimensions

Assembly Length	29.69 mm[1.169 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 Method	Bag
Packaging Quantity	12

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 Yet Reviewed
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 2021 (211) Candidate List Declared Against: JAN 2018 (181) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # CAT-AM71-C83998E
CPC SERIES 2 POSTED

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)



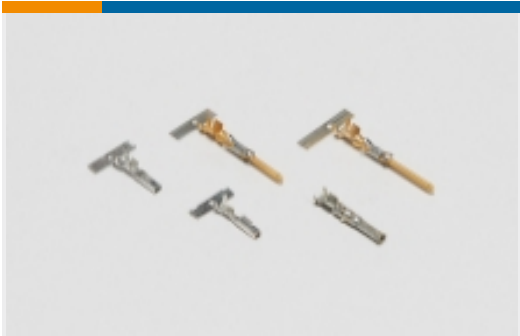
Circular Connector Seals(36)



Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1-206455-2
CPC SERIES 2 POSTED



TE Part #102153-3
AMP-LATCH UNIVERSAL HEADERS



TE Part #1-770972-1
12P MINI UMN L R/A HDR ASSY LF



TE Part #1546051-1
PLZN.KEY,TERMI-BLOK HDR



TE Part #102312-1
Universal Headers: Ejector Latch



TE Part #1060-16-0177
DEUTSCH STAMPED & FORMED CONTACTS



TE Part #YDTS20W23-35BBV001
D38999: Square Flange, 23-35 insert



TE Part #146281-4
04 MODII HDR SRST B/A .100CL

Documents

Product Drawings

23-57 CPC POSTD SKT RECPT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_796329-1_F.2d_dxf.zip



English

Customer View Model

[ENG_CVM_796329-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_796329-1_F.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English