



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 & Contact Terminates To	Printed Circuit Board
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

Reverse Gender	Yes
Contact Type	Socket

Termination Features

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Termination Method to PCB	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
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

Dimensions

Assembly Length	30.71 mm[1.209 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	12
Packaging Method	Tray

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

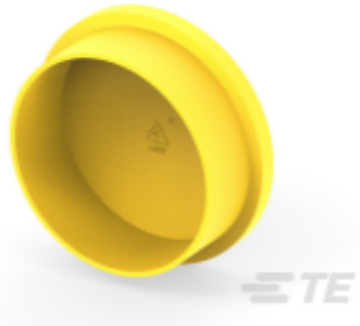


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in 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 # 207055-1 EXTENDER BACK SHELL
 TE Part # 6-2407269-3 CAP, CPC, SIZE 23 RECP, RED	 TE Part # 6-2407269-2 CAP, CPC, SIZE 23 RECP, BLACK	 TE Part # 6-2407269-4 CAP, CPC, SIZE 23 RECP, YELLOW	 TE Part # 6-2407269-1 CAP, CPC, SIZE 23 RECP, ORANGE



TE Part # 207890-5
CPC RECPT REV SEX 23-37

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(1)

Connector Caps & Covers(19)

Connector Contacts(6)

Connector Hardware(12)

Connector Seals & Cavity Plugs(36)

Connector Strain Relief(60)

Insertion & Extraction Tools(1)

Sealing Sleeves(2)

Customers Also Bought

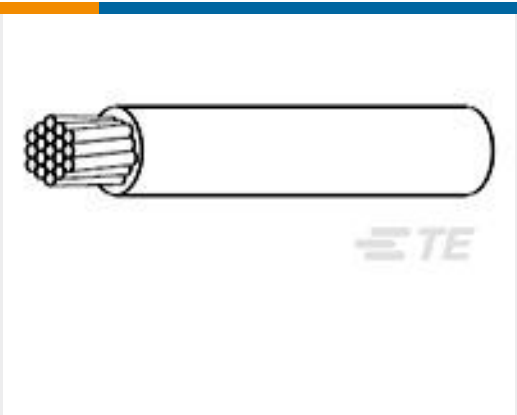
TE Part #5499922-8
A/L UNIV HDR 34P VERT LG LAT

TE Part #66358-9
III+ SKT,18-14,15AU/FL,STRIP

TE Part #1658621-8
34 NOVO MIL/CTR 15DP,LEAD FREE

TE Part #5-104363-7
08 MTE HDR SRST LATCH .100CL





TE Part #849201-000
FLTWC0311-22-0



TE Part #796739-3
3 POS PCB MT 9.52MM HI CRT TBK



TE Part #2176163-4
UPF50 0.1% 5PPM 10R



TE Part #5-103957-1
10X2 MTE RCPT SR LATCH .100CL



TE Part #2-1393641-5
V42254B2202C480=PC612 FEDERLEI

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_207890-2_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_207890-2_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_207890-2_S.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

Agency Approvals

UL Report

English