



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: **16**  
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        | 16 |
| Number of Power Positions  | 0  |
| Number of Signal Positions | 16 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|



Contact Features

|                |     |
|----------------|-----|
| Reverse Gender | No  |
| Contact Type   | Pin |

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

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 | 17            |

Dimensions

|                 |                 |
|-----------------|-----------------|
| Assembly Length | 40 mm[1.575 in] |
|-----------------|-----------------|

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 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 24   |
| Packaging Method   | Tray |



Product Compliance

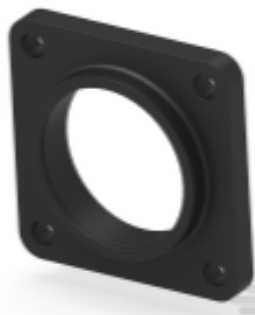
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 # 207299-3  
FLANGE PLUG MOUNT CPC



TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 206037-1  
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 207241-1  
CABLE BOOT, SZ 17, CPC





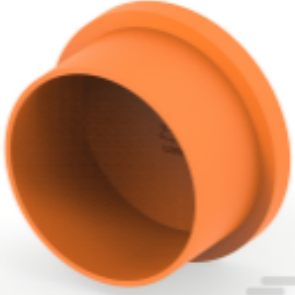
TE Part # 207387-1  
CABLE GRIP,SZ 17,CPC



TE Part # 207387-2  
CABLE GRIP,SZ 17,CPC



TE Part # 4-2407269-2  
CAP, CPC, SIZE 17 RECP, BLACK



TE Part # 4-2407269-1  
CAP, CPC, SIZE 17 RECP, ORANGE



TE Part # 4-2407269-4  
CAP, CPC, SIZE 17 RECP, YELLOW



TE Part # 4-2407269-3  
CAP, CPC, SIZE 17 RECP, RED

TE Part # 1-207303-6  
CPC RECPT ASSM SIZE 17-16

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





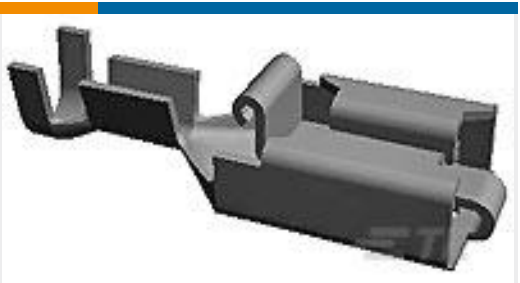
TE Part #1-66399-0  
III+ SKT,24-20,TIN ,LP



TE Part #640453-8  
08P MTA100 HDR ASSY SQ R/A



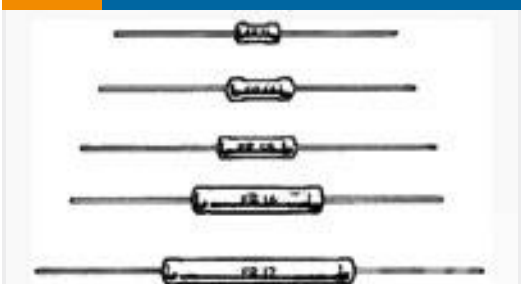
TE Part #2-66740-1  
TYPE XII FEMALE CONT (LP)



TE Part #341002-6  
PL 250 REC TERMINAL 18-14 PTPB LP



TE Part #42510-2  
250 FASTON REC 22-18 AWG TPBR



TE Part #1623746-3  
ER74 10R 5% AMMO PK



TE Part #1969803-1  
03P UMNL PIN HDR ASSY NATL, PIN V0 GW



TE Part #4-154719-0  
POSITIVE LOCK (PL) RECEPTACLE



TE Part #2401590-3  
SWS,CSJ2100,CVTY DIA,95SQ,GRY



TE Part #2401591-3  
2POS,21MM,CABLE SEAL COLLET, ASSY

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-207303-3\_AE.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-207303-3\_AE.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-207303-3\_AE.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



Connector, Circular Plastic

English

Product Specification

English

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Agency Approvals

CSA Certificate

English

CSA Certificate

English