



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connectors, Series 2



Connector Product Type: **Housing**  
Operating Voltage: **250 VDC**  
Connector System: **Wire-to-Panel**  
Number of Positions: **28**  
Sealable: **No**

[All CPC Connectors, Series 2 \(23\)](#)

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Housing       |
| Connector System                  | Wire-to-Panel |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |
| Connector & Housing Type          | Receptacle    |
| Circular Connector Shell Type     | All Plastic   |

Configuration Features

|                            |         |
|----------------------------|---------|
| Reverse Numbering          | Without |
| Number of Positions        | 28      |
| Number of Power Positions  | 0       |
| Number of Signal Positions | 28      |

Electrical Characteristics

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



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

Contact Features

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

Mechanical Attachment

|                          |                              |
|--------------------------|------------------------------|
| Mating Alignment Type    | Keyed                        |
| Mating Alignment         | With                         |
| Panel Mount Feature Type | Flange with Threaded Inserts |
| Mating Retention Type    | Threaded Coupling            |
| Thread Size              | 15/16-20 UNEF – 2A           |
| Connector Mounting Type  | Panel Mount                  |
| Mating Retention         | With                         |
| Panel Mount Feature      | With                         |

Housing Features

|                               |               |
|-------------------------------|---------------|
| Body Orientation              | Straight      |
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 17            |

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter Range | 1.73 mm[.068 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 | 100 |
|--------------------|-----|



|                  |     |
|------------------|-----|
| Packaging Method | Bag |
|------------------|-----|

Product Compliance

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

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Pb (3.7% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                   |

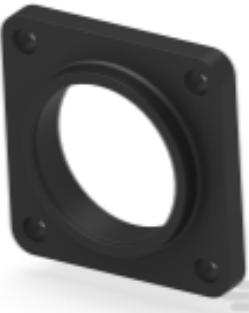
Product Compliance Disclaimer

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 # 206039-1  
CPC PLUG ASSEMBLY SIZE 17-28



TE Part # 207299-3  
FLANGE PLUG MOUNT CPC



TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 213810-1  
CPC COUPLING RING SIZE 17



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



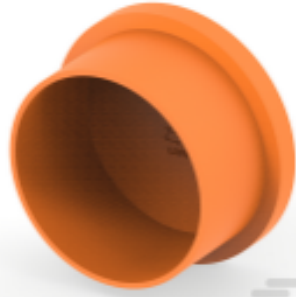
TE Part # 207387-1  
CABLE GRIP,SZ 17,CPC



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



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



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



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



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

Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Power Connectors(458)



Connector Backshells(56)



Connector Caps & Covers(16)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



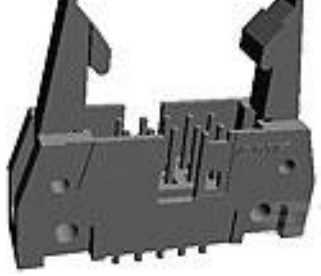
Sealing Sleeves(2)

Customers Also Bought





TE Part #206039-1  
CPC PLUG ASSEMBLY SIZE 17-28



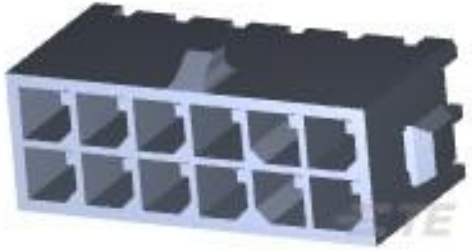
TE Part #5499206-4  
A/L UNIV HDR 20P VERT LG LAT



TE Part #1-1437719-1  
T01-0540-P03-MALE PLUG CONNECTOR-CRIMP



TE Part #2174053-1  
ENC. CBL I/O KIT, M-MOTOR PLUS



TE Part #4-794632-2  
12P MICRO MNL ASSY,VRT,HDR,LF



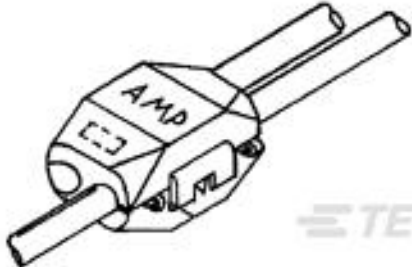
TE Part #1-770182-1  
09P MINI UMNL ASSY VO SNAU LF



TE Part #179956-6  
DYNAMIC D-5 REC M AG FORM



TE Part #316086-9  
2.5 S.D.L CAP HSG 2P BLACK



TE Part #177766-1  
ELECTRO TAP ASSY

Documents

Product Drawings

CPC RECPT ASSEMBLY SIZE 17-28

English

CAD Files

Customer View Model

ENG\_CVM\_206038-4\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_206038-4\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_206038-4\_H.3d\_stp.zip

English

3D PDF

English

3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_206038-4\\_R.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206038-4\\_R.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206038-4\\_R.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

Product Specifications

[Connector, Circular Plastic](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

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Agency Approvals

[CSA Certificate](#)

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