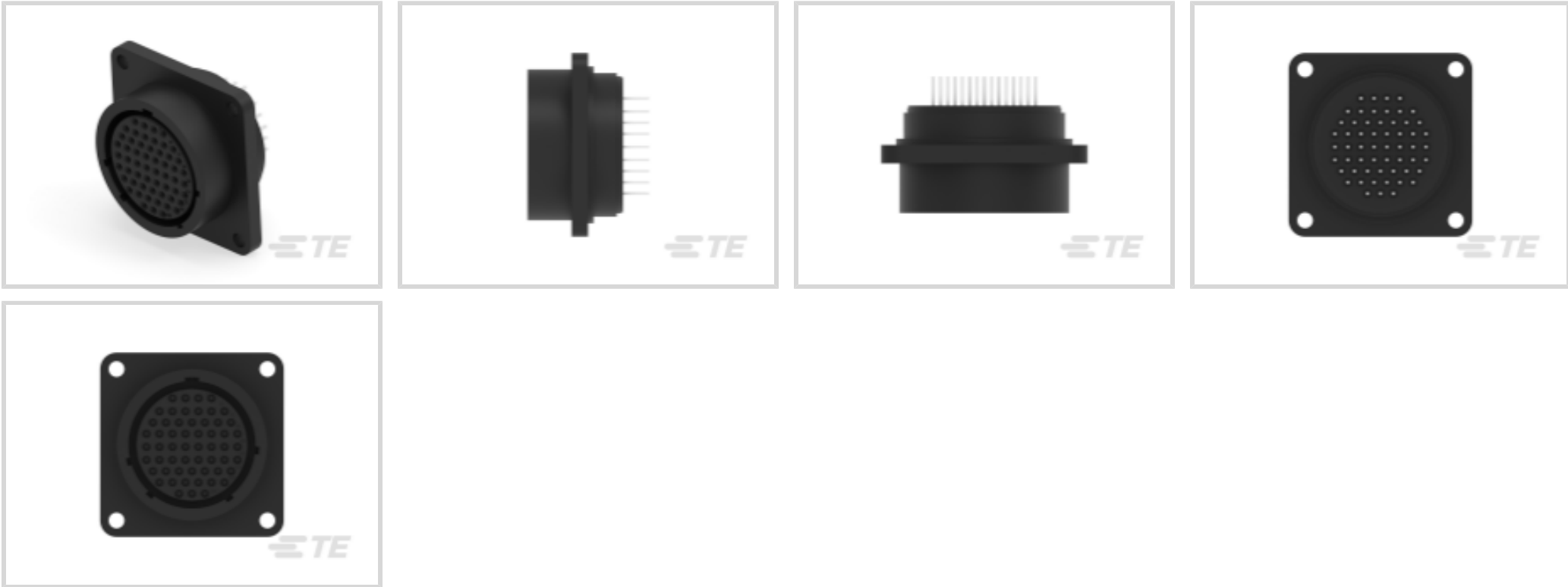




Connectors > Power Connectors > Circular Power > Circular Power Connectors > Connectors with Posted Contacts, CPC Series 2



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

[All Connectors with Posted Contacts, CPC Series 2 \(4\)](#)

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

Electrical Characteristics

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

Contact Features

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



| | |
|----------------|--------|
| Reverse Gender | Yes |
| Contact Type | Socket |

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | 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 |
| Connector Mounting Type | Panel Mount |
| Mating Retention | With |
| Panel Mount Feature | With |

Housing Features

| | |
|-------------------------------|--------|
| Housing Color | Black |
| Housing Material | PA 6.6 |
| Circular Connector Shell Size | 23 |

Dimensions

| | |
|-----------------|--------------------|
| Assembly Length | 29.69 mm[1.169 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 | 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 206437-1
CPC PLUG ASSEMBLY SIZE 23-57




TE Part # 207299-4
FLANGE PLUG




TE Part # 207055-1
EXTENDER BACK SHELL




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



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



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



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

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(2)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

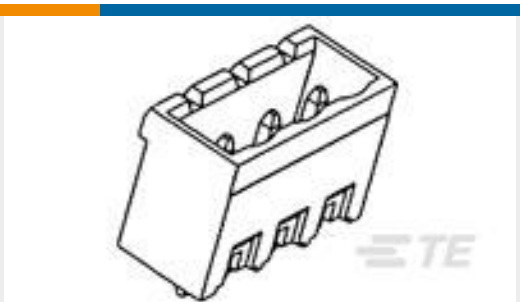
Customers Also Bought



TE Part #1-440055-0
AMP HPI 2.0 mm Headers



TE Part #1-1735447-2
HPI 2.0 RECEPTACLE HOUSING, 12P



TE Part #796636-5
5POS 5.08MM CE VRT HDR,TRM BLK



TE Part #5053022021
RNF-100-1/8-6-STK



TE Part #5536412-4
ASSY,RECEPT,EURO,TYPE C,LEAD-FREE,96,.18



TE Part #226335-000
CTA-0166



TE Part #450213-000
CTA-0165

Documents



CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-796329-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-796329-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796329-1_F.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

Instruction Sheets

Instruction Sheet (U.S.)

English