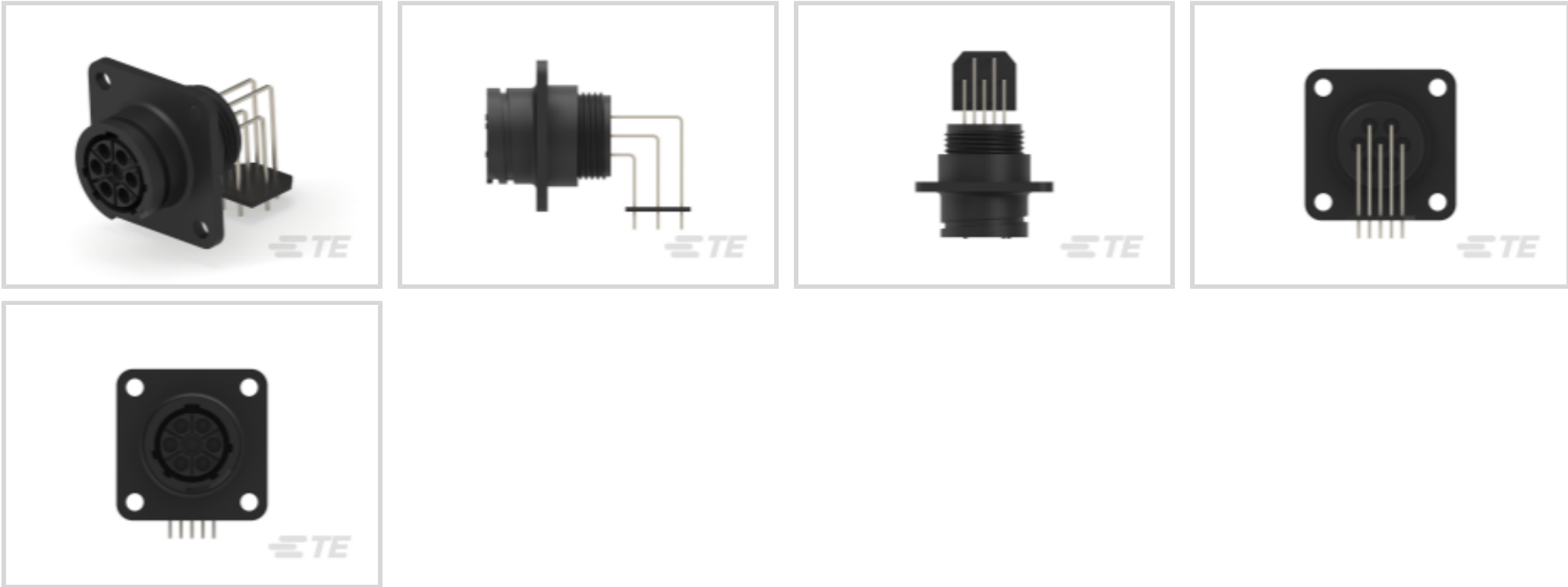




Connectors > Power Connectors > Circular Power > Circular Power Connectors > Connectors with Posted Pin Contacts, CPC Series 1



Connector Product Type: **Connector Assembly**  
Operating Voltage: **250 VDC**  
Connector System: **Wire-to-Board, Wire-to-Panel**  
Number of Positions: **7**  
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 & Housing Type      | Receptacle                   |
| Circular Connector Shell Type | All Plastic                  |

Configuration Features

|                            |   |
|----------------------------|---|
| Number of Positions        | 7 |
| Number of Power Positions  | 0 |
| Number of Signal Positions | 7 |

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

|                   |   |
|-------------------|---|
| Polarization Code | A |
|-------------------|---|

|                         |             |
|-------------------------|-------------|
| 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 | 13 |
|-------------------------------|----|

Dimensions

|                 |                   |
|-----------------|-------------------|
| Assembly Length | 44.45 mm[1.75 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 | 16 |
|--------------------|----|

|                  |      |
|------------------|------|
| 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)<br>Candidate List Declared Against: JUNE 2023 (235)<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>

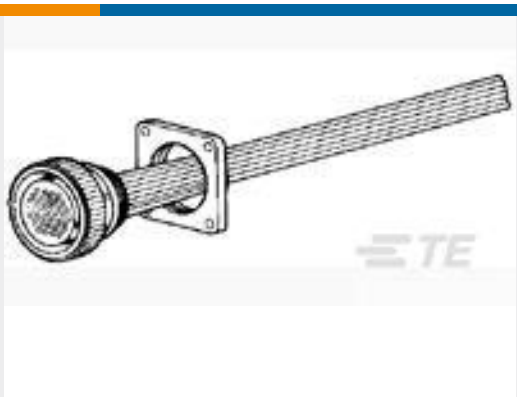
Compatible Parts



TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 211400-1  
CPC PLUG ASSEMBLY SIZE 13-7



TE Part # 207299-2  
FLANGE PLUG MOUNT CPC

Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Power Connectors(458)



Connector Backshells(56)



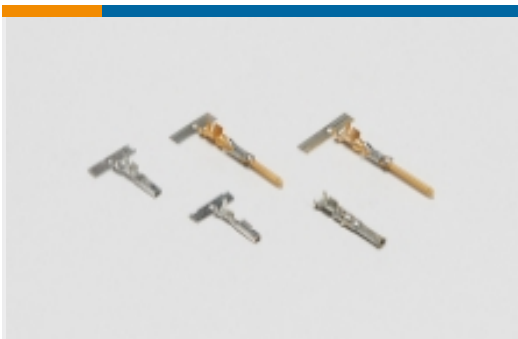
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #206430-2  
CPC 11-4 Free Hanging Receptacle



TE Part #66101-3  
III+ SKT, 18-16, 15AU/FL, LP



TE Part #9-1462037-9  
IM06CGR=IM RELAY 140mW12V HDV



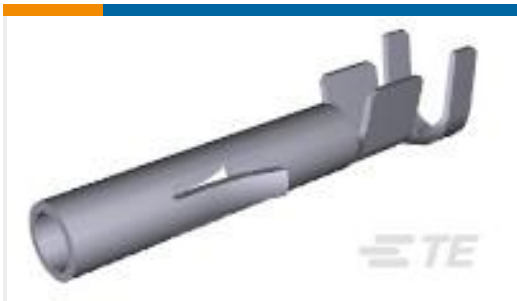
TE Part #1445535-3  
Mini Circular Plastic Connectors (CPC)



TE Part #207359-1  
RECEPT HSG, 3 POSN, METRIC



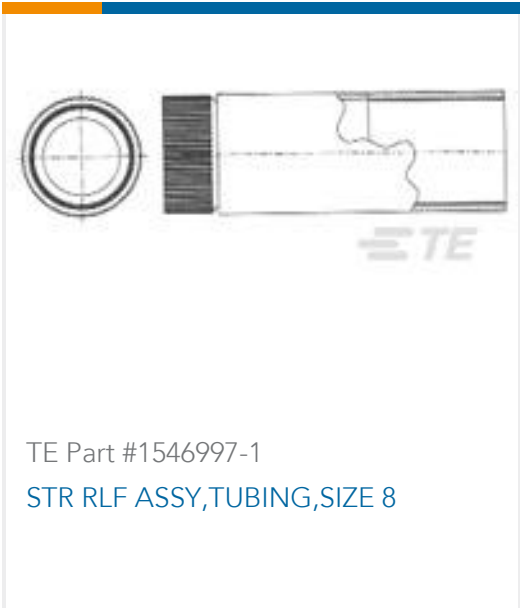
TE Part #292303-7  
Std USB Type A, R/A, SMT, Offset, Natural



TE Part #350536-2  
UMNL SOK 20-14 .0126 AUNI/BR



TE Part #1-480387-0  
03P CMNL CAP HSG F/H BLK



Documents

Product Drawings

[CPC PSTD RCPT,13-7,R/A LF](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_1-796500-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-796500-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-796500-1\\_C.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796500-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796500-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796500-1\\_D.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

Instruction Sheet (U.S.)

English