



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Mini Circular Plastic Connectors (CPC)



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 - .823 mm<sup>2</sup>**

Connector System: **Wire-to-Wire**

[All Mini Circular Plastic Connectors \(CPC\) \(53\)](#)

Features

Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Connector Seal & Plug Type        | Peripheral, Wire Entry Seal |
| Connector Product Type            | Housing                     |
| Connector System                  | Wire-to-Wire                |
| Sealable                          | Yes                         |
| Connector & Contact Terminates To | Wire & Cable                |
| Connector & Housing Type          | Receptacle                  |
| Circular Connector Shell Type     | All Plastic                 |

Configuration Features

|                            |         |
|----------------------------|---------|
| Reverse Numbering          | Without |
| Number of Positions        | 9       |
| Number of Power Positions  | 0       |
| Number of Signal Positions | 9       |

Electrical Characteristics

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



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

Contact Features

|                              |       |
|------------------------------|-------|
| Reverse Gender               | No    |
| Contact Type                 | Pin   |
| Contact Current Rating (Max) | 5.9 A |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                       |                   |
|-----------------------|-------------------|
| Mating Alignment      | With              |
| Mating Retention Type | Threaded Coupling |
| Thread Size           | 3/4-20 UNEF-2A    |
| Mating Retention      | With              |
| Panel Mount Feature   | Without           |

Housing Features

|                               |               |
|-------------------------------|---------------|
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 11            |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 1.5 - 2.39 mm[.059 - .11 in] |
| Wire Size                            | .0509 - .823 mm²             |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 - 105 °C[-67 - 221 °F] |
| Fluid Resistance            | Immersion                  |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & 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                                                                                                                     |
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                           |
| Solder Process Capability                     | Not reviewed 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 # CAT-AM71-C83998EE  
Mini Circular Plastic Connectors (CPC)

TE Part # 1445904-1  
NUT, JAM, 3/4-20, PKG QTY 100

TE Part # 1-770988-1  
MINI UMNL SOK 22-18AWG LP LF

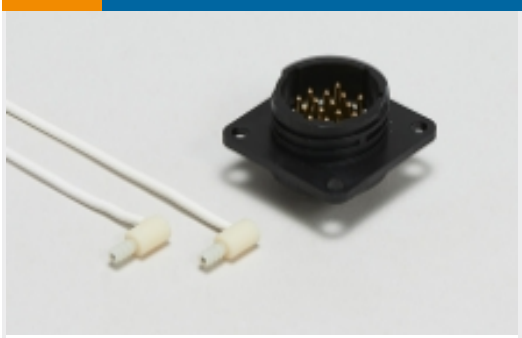
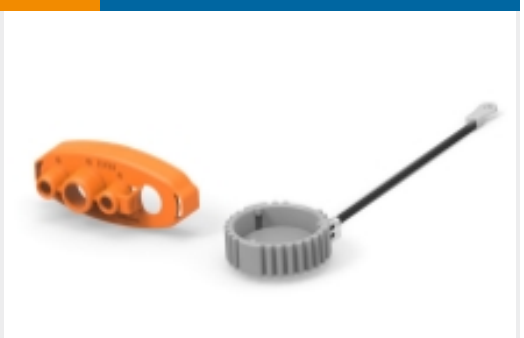
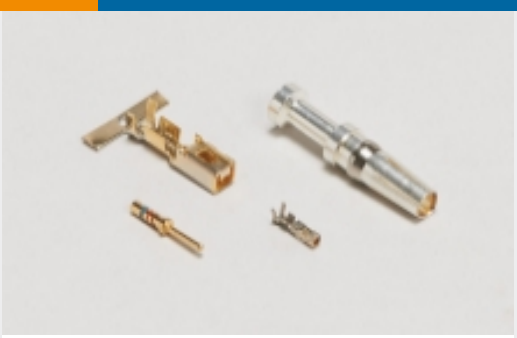
TE Part # 1-770985-0  
MINI UMNL PIN 26-22AWG AU LP





|                                                                                                                                                 |                                                                                                                                                    |                                                                                                                                                 |                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-770987-0<br/>MINI UMNL PIN 22-18 AWG AU LP</p> |  <p>TE Part # 770988-3<br/>MINI UMNL SOK 22-18AWG AU LP</p>      |  <p>TE Part # 1-770988-0<br/>MINI UMNL SOK 22-18AWG AU</p>   |  <p>TE Part # 1-794059-0<br/>MINI UMNL PIN L/P LF</p>            |
|  <p>TE Part # 770986-1<br/>MINI UMNL SOK 26-22AWG SN LP</p>   |  <p>TE Part # 794058-1<br/>MINI UMNL SOK L/P</p>                |  <p>TE Part # 770985-1<br/>MINI UMNL PIN 26-22AWG SN LP</p> |  <p>TE Part # 770903-3<br/>MINI UMNL PIN 22-18 AWG AU</p>       |
|  <p>TE Part # 794059-1<br/>MINI UMNL PIN L/P</p>             |  <p>TE Part # 1-770902-1<br/>MINI UMNL SOK 26-22 AWG AU LF</p> |  <p>TE Part # 770902-3<br/>MINI UMNL SOK 26-22 AWG AU</p>  |  <p>TE Part # 1-770901-0<br/>MINI UMNL PIN 26-22 AWG AU LF</p> |
|  <p>TE Part # 1-770835-0<br/>MINI UMNL PIN AU LF</p>         |  <p>TE Part # 1-770903-0<br/>MINI UMNL PIN 22-18 AWG AU</p>    |  <p>TE Part # 770904-3<br/>MINI UMNL SOK 22-18 AWG AU</p>  |  <p>TE Part # 1-770902-0<br/>MINI UMNL SOK 26-22 AWG AU</p>    |

Also in the Series | AMP CPC

|                                                                                                                           |                                                                                                                     |                                                                                                                              |                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|  <p>Circular Power Connectors(458)</p> |  <p>Connector Backshells(1)</p> |  <p>Connector Caps &amp; Covers(16)</p> |  <p>Connector Contacts(6)</p> |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|





Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 1445390-1  
Mini Circular Plastic Connectors (CPC)



TE Part # 213847-4  
POWERBAND Contacts



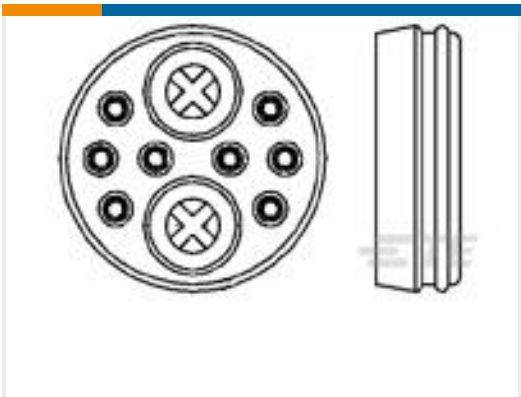
TE Part # 213894-2  
CPC RECPT SEALED SIZE 17-10



TE Part # 1604196-1  
NUT, JAM, 5/8-24, PKG QTY 100



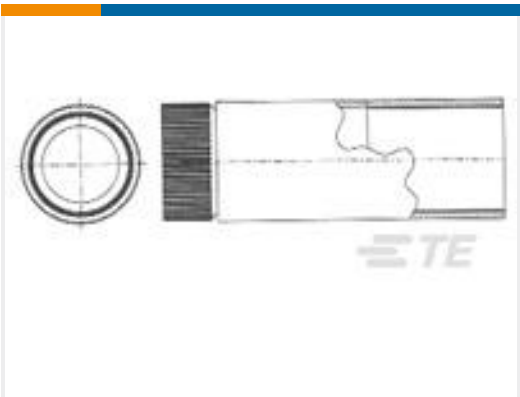
TE Part # 1445420-1  
SEAL, FLANGE, SIZE 8/M13.5



TE Part # 213900-1  
CPC SEAL ASSY KIT, SRS 6, 17-10



TE Part # 770987-1  
MINI UMNL PIN 22-18AWG SN LP



TE Part # 1546997-1  
STR RLF ASSY, TUBING, SIZE 8

Documents

Product Drawings

RECPT, 11-9, FREE HNG, STD KEY

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1445825-3\_D.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445825-3\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445825-3\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1-1773902-9\\_CPC\\_Catalog](#)

English

[1-1773902-9\\_CPC\\_Catalog](#)

[1-1773902-9\\_CPC\\_Catalog](#)

German

[1-1773902-9\\_CPC\\_Catalog](#)

Japanese

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

English

Product Specifications

[Application Specification](#)

English