

182920-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 182920-1

AMP CPC, Circular Power Connectors, Housing, Operating Voltage 600 VDC, Wire-to-Wire, 37 Position, Wire & Cable, Receptacle, Reverse Gender, Socket

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Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **37**

Sealable: **No**

[All CPC EMEA \(22\)](#)

## Features

### Product Type Features

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

### Configuration Features

|                            |      |
|----------------------------|------|
| Reverse Numbering          | With |
| Number of Positions        | 37   |
| Number of Power Positions  | 0    |
| Number of Signal Positions | 37   |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

### Contact Features

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



### Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Panel Mount Feature Type | Flange with Mounting Holes |
| Screw & Hole Thread Size | 1-3/8 - 18 UNEF-2A         |
| Connector Mounting Type  | Panel Mount                |
| Mating Alignment         | With                       |
| Mating Retention         | With                       |
| Panel Mount Feature      | With                       |
| Mating Alignment Type    | Keyed                      |
| Mating Retention Type    | Threaded Coupling          |

### Housing Features

|                               |               |
|-------------------------------|---------------|
| Body Orientation              | Straight      |
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 23            |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
| Fluid Resistance            | None                       |

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | No             |

### Industry Standards

|                        |            |
|------------------------|------------|
| UL Flammability Rating | UL 94V-0   |
| UL Rating              | Recognized |
| CSA Certified          | Yes        |
| VDE Tested             | No         |

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 25  |

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUN 2020 (209)<br>Candidate List Declared Against: JUN 2018 (191)<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 applicable for solder process capability  |

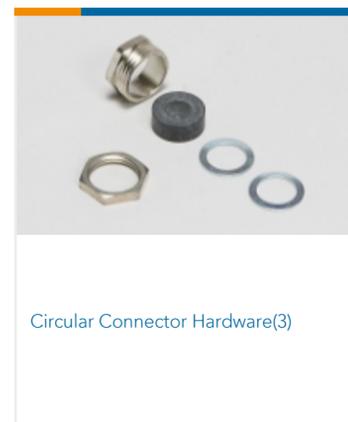
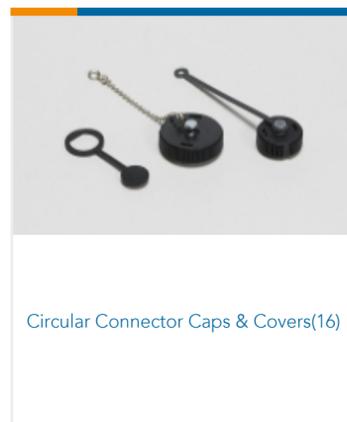
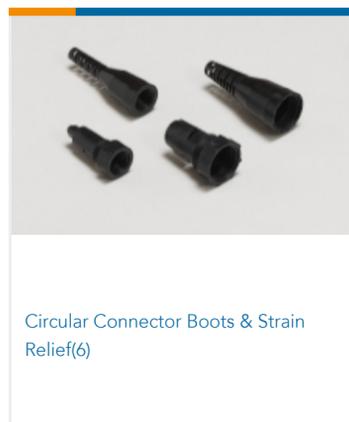
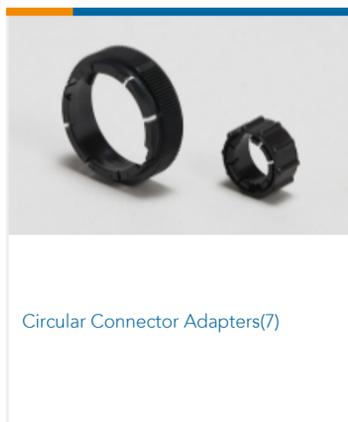
Product Compliance Disclaimer

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



## Also in the Series | AMP CPC





Circular Connector Keying Plugs(2)



Circular Connector Seals(35)



Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing & Repair Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

## Customers Also Bought



TE Model / Part #182918-1  
CPC EMEA



TE Model / Part #182930-1  
CPC CABLE CLAMPS EMEA



TE Model / Part #182652-1  
CPC CABLE CLAMPS EMEA



TE Model / Part #163088-2  
TYPE III CONTACTS LP EMEA



TE Model / Part #880297-1  
6 WAY FF 250 HOUSING REC PA 6.6  
NATURAL



TE Model / Part #5-1579007-0  
TUBE

## Documents

### Product Drawings

CPC SQ FL. RCPT REV SEX

English

### CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_182920-1\_M2.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_182920-1\\_M2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_182920-1\\_M2.3d\\_stp.zip](#)

English

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## Product Environmental Compliance

[TE Material Declaration](#)

English

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## Agency Approvals

[UL Report](#)

English