

182916-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 182916-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 16 Position, Wire & Cable, Receptacle, Pin, Power & Signal, Black, All Plastic, AMP CPC

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC EMEA



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **16**

Sealable: **No**

[All CPC EMEA \(21\)](#)

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 | Without |
| Number of Positions | 16 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 16 |

Electrical Characteristics



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

Contact Features

| | |
|--------------------|------|
| Reverse Gender | No |
| Contact Type | Pin |
| Contact Protection | With |

Mechanical Attachment

| | |
|--------------------------|----------------------------|
| Panel Mount Feature Type | Flange with Mounting Holes |
| Screw & Hole Thread Size | 15/16-20 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 | 17 |

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

100

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 2022 (224)
Candidate List Declared Against: JUL 2021 (219)
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 Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



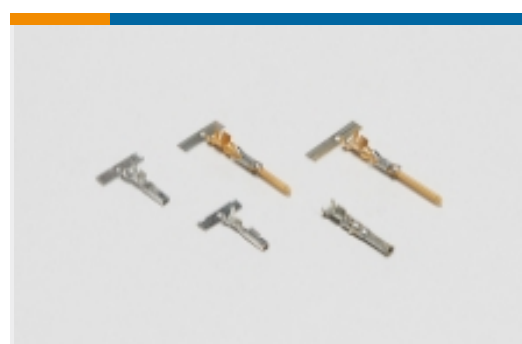
Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

[CPC SQ.FL.RCPT STD SEX](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_182916-1_B3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_182916-1_B3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_182916-1_B3.3d_stp.zip](#)

English

[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_182916-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_182916-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_182916-1_B.3d_stp.zip](#)

English

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

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

English