1776089-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1776089-1

Housing, 600 VDC, 30 – 14 AWG Wire Size, .05 – .2 mm² Wire Size, Wire-to-Wire, 16 Position, Wire & Cable, Plug, AMP CPC, Circular

Power Connectors

View on TE.com >



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Plastic Connector, CMC Series 4











Connector Product Type: Housing

Operating Voltage: 600 VDC

Wire Size: .05 – .2 mm²

Connector System: Wire-to-Wire

All Circular Plastic Connector, CMC Series 4 (2)

Features

Product Type Features

| Connector Product Type | Housing |
|-----------------------------------|--------------|
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |
| Connector & Housing Type | Plug |
| Circular Connector Shell Type | Metal-Shell |

Configuration Features

| Reverse Numbering | Without |
|----------------------------|---------|
| Number of Positions | 16 |
| Number of Power Positions | 4 |
| Number of Signal Positions | 12 |

Electrical Characteristics

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



Contact Features

| Reverse Gender | Yes |
|------------------------------|------|
| Contact Type | Pin |
| Contact Current Rating (Max) | 32 A |
| Contact Protection | With |

Termination Features

Mechanical Attachment

| Mating Alignment Type | Keyed |
|-------------------------|----------------------------|
| Mating Alignment | With |
| Mating Retention Type | Threaded Coupling |
| Thread Size | 1-7/16-18 UNEF-2A |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Mating Retention | With |
| Panel Mount Feature | Without |

Housing Features

| Body Orientation | Straight |
|-------------------------------|---------------|
| Housing Color | Black |
| Housing Material | Thermoplastic |
| Circular Connector Shell Size | 28 |

Dimensions

| Compatible Insulation Diameter Range | 5.59 mm[.22 in] |
|--------------------------------------|---------------------|
| Wire Size | $.052 \text{ mm}^2$ |

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 94V-0

Packaging Features

UL Flammability Rating



| Packaging Quantity | 10 |
|--------------------|--------|
| Packaging Method | Carton |

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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







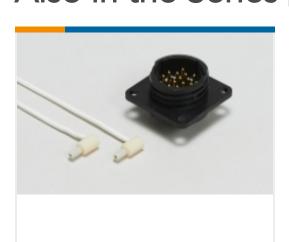
Shell, CMC Series 4







Also in the Series | AMP CPC







Connector Backshells(1)



Connector Caps & Covers(19)



Connector Contacts(6)



Connector Hardware(12)



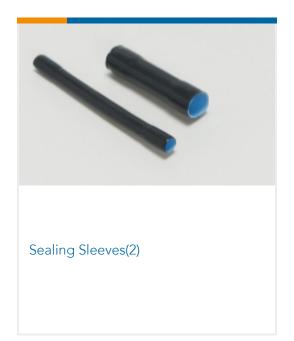
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Customers Also Bought





















Documents

Product Drawings

CMC PLUG ASSEMBLY,SZ 28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1776089-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1776089-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1776089-1_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 Continued

English

Agency Approvals

UL Report

English