

1-206852-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1-206852-1

AMP CPC, Circular Power Connectors, Connector Assembly,
Operating Voltage 250 VDC, Wire-to-Board, 9 Position, Printed
Circuit Board, Receptacle, Pin

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 2 POSTED



Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Number of Positions: **9**

Sealable: **No**

[All CPC SERIES 2 POSTED \(8\)](#)

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------|---|
| 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) | 7.5 A |
| Contact Protection | With |



Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|--------------------------|------------------------------|
| Panel Mount Feature Type | Flange with Threaded Inserts |
| 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

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

Dimensions

| | |
|-----------------|--------------------|
| Assembly Length | 29.26 mm[1.152 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 Method | Bag |
| Packaging Quantity | 27 |

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 2021 (211) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-AM71-C83998M
CPC SERIES 2



TE Part # CAT-AM71-C83998B
CPC CABLE CLAMPS



TE Part # 207489-1
FLEXIBLE CABLE BOOT, SIZE 11



TE Part # 207490-1
CABLE GRIPPER, SIZE 11



TE Part # CAT-AM71-C83998P
CPC ACCESSORIES

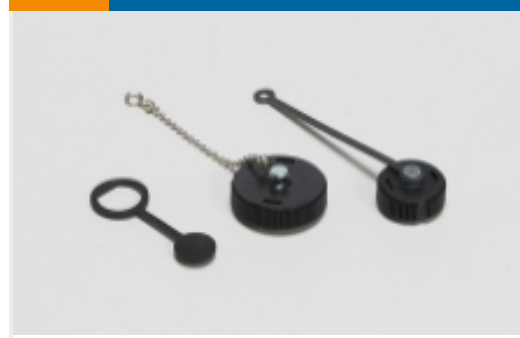
Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



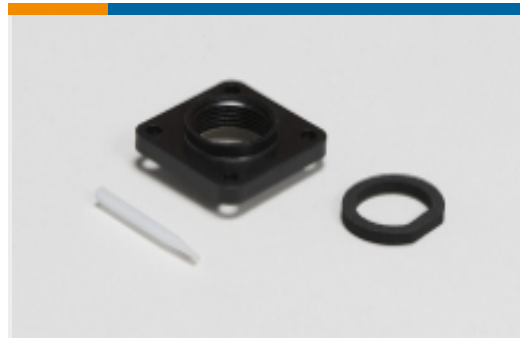
Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



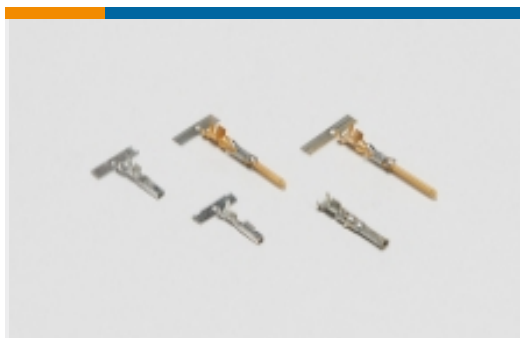
Circular Connector Seals(36)



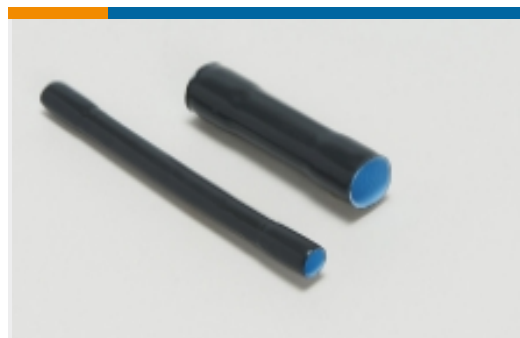
Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1-207369-1
CPC SERIES 2 POSTED



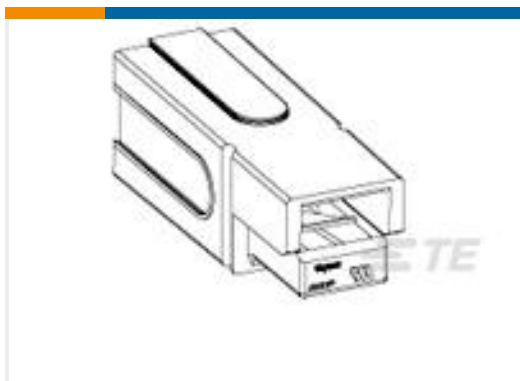
TE Part #1-747299-6
D-Sub Receptacle Assembly: Vertical,
Shell Size 2, 2.74mm



TE Part #T4145035051-001
M12 Panel Mount PCB



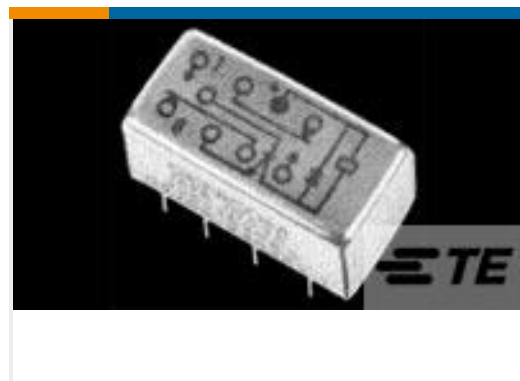
TE Part #1622829-1
CRG0603 1% 10K



TE Part #1604062-2
180A HOUSING SUB-ASSY, BLACK



TE Part #111196-9
040 RCPT SYSTEM 50 30 DPLX



TE Part #1617074-5
3SBC5004K5 = RELAY



TE Part #1-208657-0
CPC SERIES 2 POSTED



TE Part #1-747150-6
D-Sub Receptacle Assembly: Vertical,
Shell Size 1, 2.74mm



TE Part #1-640445-0
10P MTA156 HDR ASSY FL/STR SN

Documents

Product Drawings

CPC RECEPT ASSEMBLY SIZE 11-9

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-206852-1_AK_c-1-206852-1-ak.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-206852-1_AK_c-1-206852-1-ak.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-206852-1_AK_c-1-206852-1-ak.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

Connector, Circular Plastic

English

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English