

1-796406-2 ✓ ACTIVE

AMP | AMP CPC

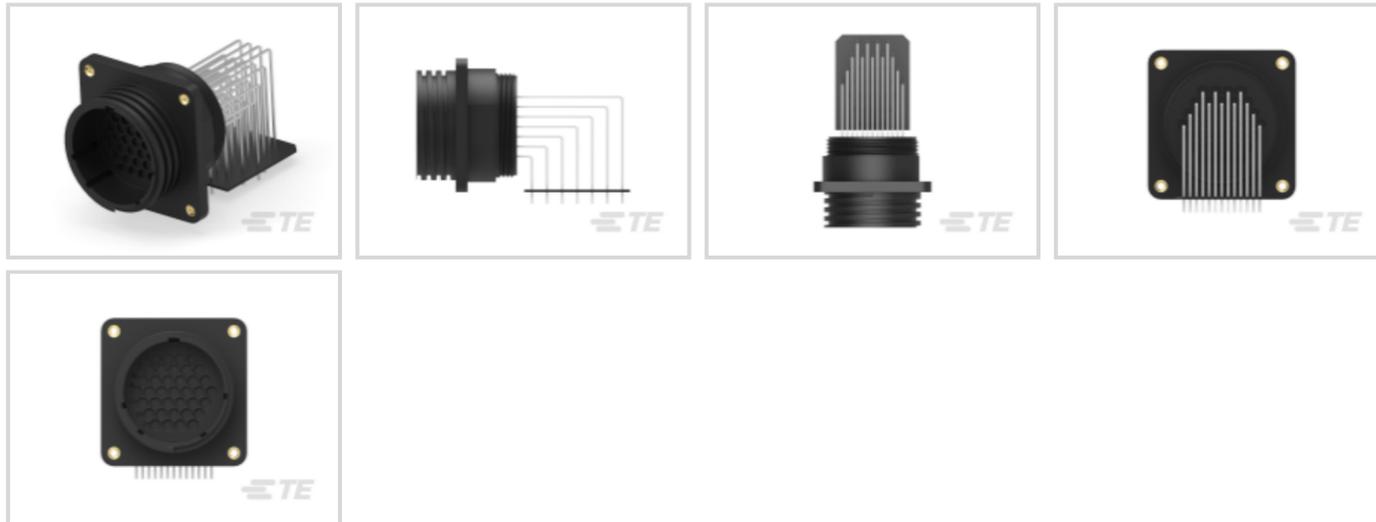
TE Internal #: 1-796406-2

Circular Power Connectors, Connector Assembly, 250 VDC, Wire-to-Panel / Wire-to-Board, 37 Position, Sealable, Receptacle, Pin, Signal, Black, AMP CPC

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Number of Positions: **37**

Sealable: **Yes**

## Features

### Product Type Features

|                               |                              |
|-------------------------------|------------------------------|
| Connector Product Type        | Connector Assembly           |
| Connector System              | Wire-to-Board, Wire-to-Panel |
| Sealable                      | Yes                          |
| Connector & Housing Type      | Receptacle                   |
| Circular Connector Shell Type | All Plastic                  |

### Configuration Features

|                            |    |
|----------------------------|----|
| Number of Positions        | 37 |
| Number of Power Positions  | 0  |
| Number of Signal Positions | 37 |

### Electrical Characteristics

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

### Contact Features

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



### 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 | PA 6.6 |
|------------------|--------|

|                               |    |
|-------------------------------|----|
| Circular Connector Shell Size | 23 |
|-------------------------------|----|

### Dimensions

|                 |                   |
|-----------------|-------------------|
| Assembly Length | 71.88 mm[2.83 in] |
|-----------------|-------------------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

|                  |           |
|------------------|-----------|
| Fluid Resistance | Immersion |
|------------------|-----------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

|          |    |
|----------|----|
| Shielded | No |
|----------|----|

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

|                    |   |
|--------------------|---|
| Packaging Quantity | 8 |
|--------------------|---|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                              |                           |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|



EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (3.7% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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



Also in the Series | **AMP CPC**



Circular Connector Adapters(7)



Circular Connector Boots &amp; Strain Relief(6)



Circular Connector Caps &amp; Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(56)

## Documents

### Product Drawings

[CPC PSTD RCPT,23-37,R/A LF, inserts](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796406-2\\_J.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796406-2\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-796406-2\\_J.3d\\_stp.zip](#)

English

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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English

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**Instruction Sheets**

**Instruction Sheet (U.S.)**

English

**Instruction Sheet (U.S.)**

English