

2-208224-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 2-208224-1

Circular Power Connectors, Connector Assembly, 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Receptacle, Reverse Gender, Socket, AMP CPC

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[Connectors](#) > [Power Connectors](#) > [Circular Power](#) > [Circular Power Connectors](#) > [Connectors with Posted Pin Contacts, CPC Series 1](#)



Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Number of Positions: **37**

Sealable: **No**

[All Connectors with Posted Pin Contacts, CPC Series 1 \(39\)](#)

Features

Product Type Features

| | |
|-------------------------------|------------------------------|
| Connector Product Type | Connector Assembly |
| Connector System | Wire-to-Board, Wire-to-Panel |
| Sealable | No |
| 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 | Yes |
| Contact Type | Socket |

Termination Features

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



Mechanical Attachment

| | |
|--------------------------|----------------------------|
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Panel Mount Feature Type | Flange with Mounting Holes |
| Mating Retention Type | Threaded Coupling |
| Polarization Code | A |
| Connector Mounting Type | Panel Mount |
| Mating Retention | With |
| Panel Mount Feature | With |

Housing Features

| | |
|-------------------------------|--------|
| Housing Color | Black |
| Housing Material | PA 6.6 |
| Circular Connector Shell Size | 23 |

Dimensions

| | |
|-----------------|--------------------|
| Assembly Length | 40.82 mm[1.607 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 Quantity | 12 |
| Packaging Method | Tray |

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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

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



TE Part # CAT-AM71-C83998B
CPC Cable Clamps



TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 207299-4
FLANGE PLUG



TE Part # 207055-1
EXTENDER BACK SHELL



TE Part # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK



TE Part # 6-2407269-1
CAP, CPC, SIZE 23 RECP, ORANGE



TE Part # 6-2407269-4
CAP, CPC, SIZE 23 RECP, YELLOW



TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED

Also in the Series | **AMP CPC**



Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Power Connectors(458)



Connector Backshells(56)



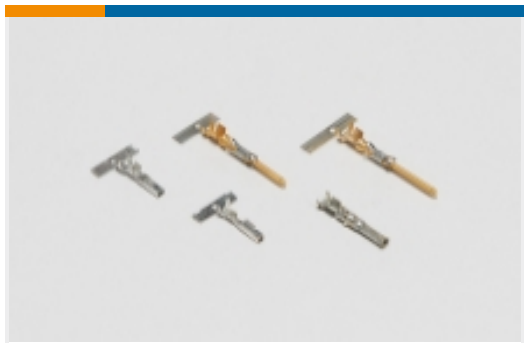
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #5788792-1
09 HTMSFL PLUG RA 318 (IN,BL)



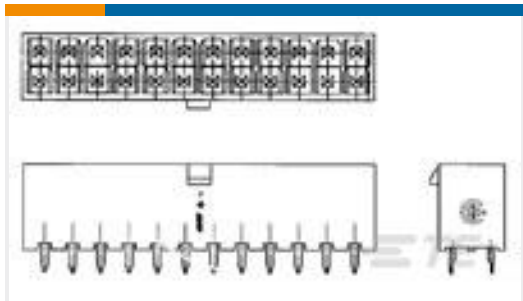
TE Part #1-794066-1
12P MINI UMNL HDR W/DH AU LF



TE Part #5535070-5
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #644752-8
08P MTA156 HDR ASSY SQ STR F/L



TE Part #1-1586038-4
14P VRT HDR VAL-U-LOK V0



TE Part #202119-2
PIN HOOD



TE Part #2-1445097-2
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #3-641210-6
06P MTA156 HRD FL RA FB 30AU



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-208224-1_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-208224-1_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-208224-1_BB.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

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Agency Approvals

[CSA Certificate](#)

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