

213870-1

✓ ACTIVE

AMP | AMP CPC

TE Internal #: 213870-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 19

Position, Wire & Cable, Receptacle, Pin, Power & Signal, Black, All

Plastic, AMP CPC

[View on TE.com >](#)

Connectors > Power Connectors > Circular Power > Circular Power Connectors > Cable/Panel Mount Connector, CPC Series 1

Connector Product Type: **Housing**Operating Voltage: **600 VDC**Connector System: **Wire-to-Wire**Number of Positions: **19**Sealable: **No**[All Cable/Panel Mount Connector, CPC Series 1 \(57\)](#)

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 | With |
| Number of Positions | 19 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 19 |

Electrical Characteristics

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

Contact Features

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

Mechanical Attachment

| | |
|--------------------------|----------------------------|
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Panel Mount Feature Type | Flange with Mounting Holes |
| Mating Retention Type | Threaded Coupling |
| Thread Size | 1-3/8 - 18 UNEF-2A |
| Polarization Code | B |
| Connector Mounting Type | Panel Mount |
| Mating Retention | With |
| Panel Mount Feature | With |

Housing Features

| | |
|-------------------------------|----------------------|
| Body Orientation | Straight |
| Housing Color | Black |
| Housing Material | Nylon, Thermoplastic |
| Circular Connector Shell Size | 23 |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 - 105 °C [-67 - 221 °F] |
| Fluid Resistance | None |

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded | No |

Industry Standards

| | |
|---|----------|
| Compatible With Agency/Standards Products | VDE |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 1 |
| Packaging Method | Package |

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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





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

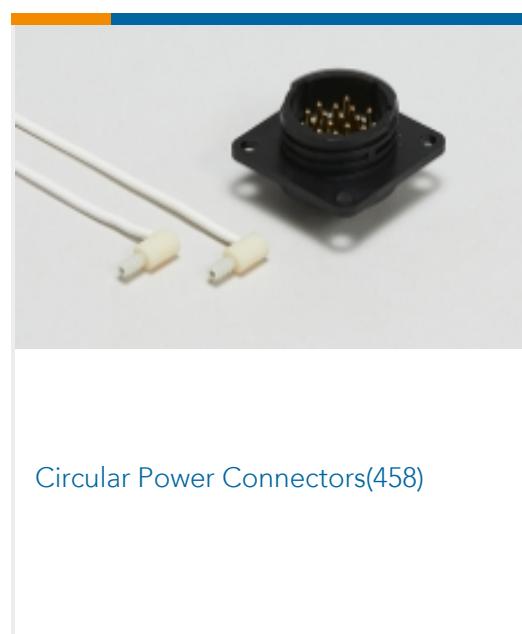
TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED

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

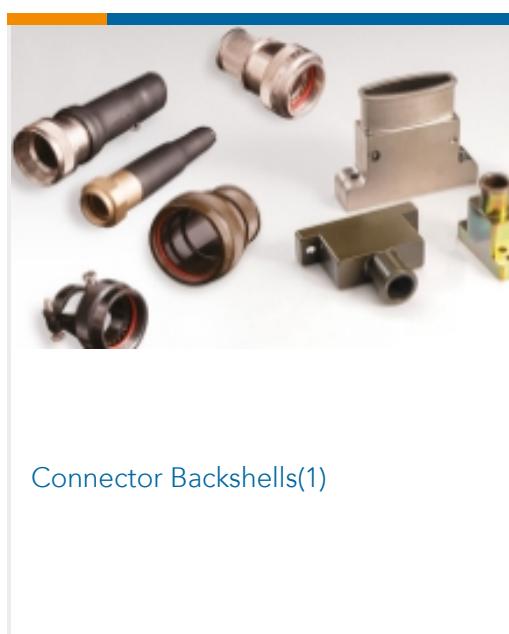
TE Part # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK

Also in the Series

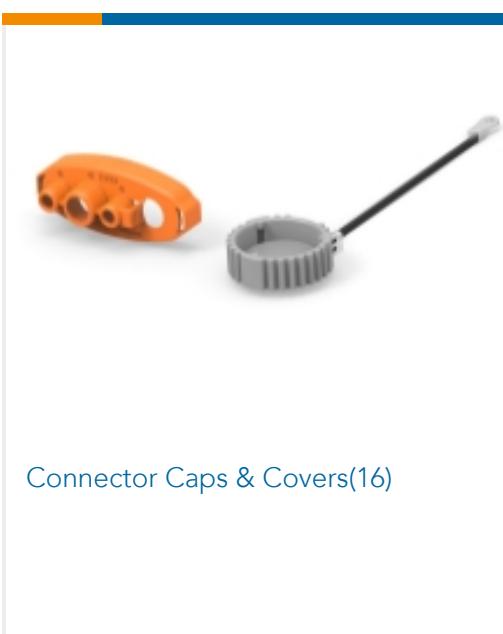
AMP CPC



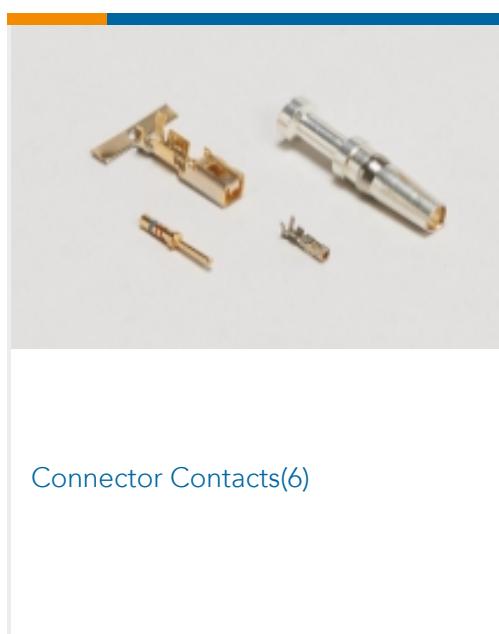
Circular Power Connectors(458)



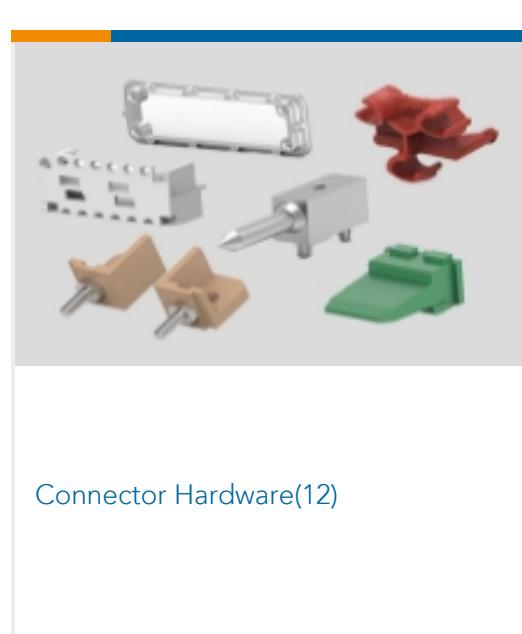
Connector Backshells(1)



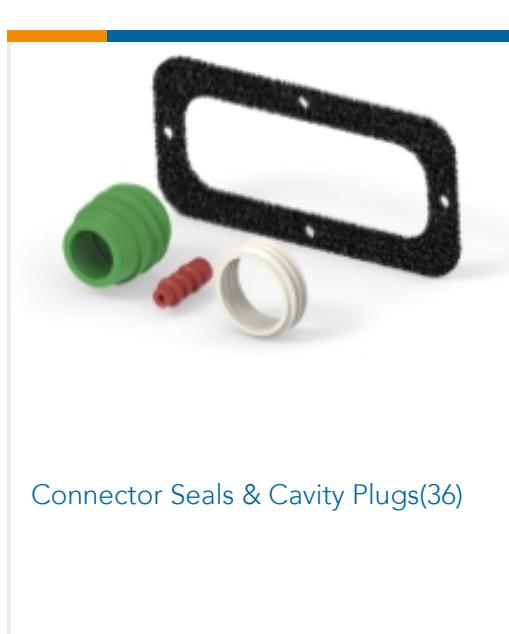
Connector Caps & Covers(16)



Connector Contacts(6)



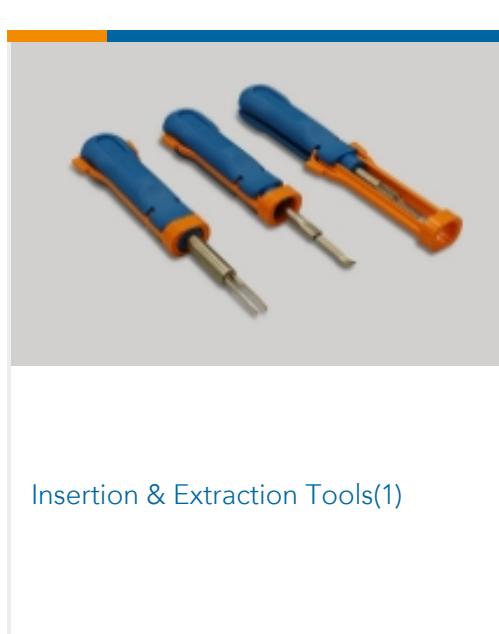
Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 211771-1
23-19 CPC RECEPT, STND SEX



TE Part # 353029-1
MULTILOCK, CONNECTOR HOUSING



TE Part # 170003-4
SHUR PLUG 156 REC 20-14 AWG TPBR



TE Part # 171830-1
MIC CAP 21P WITH FLANGE



Documents

Product Drawings

[23-19 RCPT HSG,STD SEX,CPC](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_213870-1_G.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_213870-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213870-1_G.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

Agency Approvals

[CSA Certificate](#)

English