

213853-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 213853-1

AMP CPC, Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 19 Position, Wire & Cable, Plug, Socket, Power & Signal, Black, All Plastic

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **19**

Sealable: **No**

[All 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 | Plug |
| Circular Connector Shell Type | All Plastic |

Configuration Features

| | |
|----------------------------|------|
| Reverse Numbering | With |
| Number of Positions | 19 |
| Number of Power Positions | 0 |
| Keying | B |
| Number of Signal Positions | 19 |

Electrical Characteristics

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

Contact Features

| | |
|----------------|--------|
| Reverse Gender | No |
| Contact Type | Socket |



| | |
|--------------------|------|
| Contact Protection | With |
|--------------------|------|

Mechanical Attachment

| | |
|--------------------------|--------------------|
| Screw & Hole Thread Size | 1-3/8 - 18 UNEF-2A |
|--------------------------|--------------------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

| | |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

| | |
|-----------------------|-------------------|
| Mating Retention Type | Threaded Coupling |
|-----------------------|-------------------|

Housing Features

| | |
|------------------|----------|
| Body Orientation | Straight |
|------------------|----------|

| | |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

| | |
|------------------|--------------|
| Housing Material | Nylon 6/6 GF |
|------------------|--------------|

| | |
|-------------------------------|----|
| 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

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

| | |
|------------|-----|
| VDE Tested | Yes |
|------------|-----|

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Bag |
|------------------|-----|

| | |
|--------------------|-----|
| Packaging Quantity | 100 |
|--------------------|-----|

Other

| | |
|---------|-----------------------------|
| Comment | 4 Locating Key Arrangement. |
|---------|-----------------------------|

Product Compliance

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



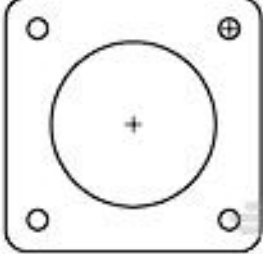







| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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

| | | | |
|--|---|--|--|
|  <p>TE Part # 213870-1 23-19 RCPT HSG,STD SEX,CPC</p> |  <p>TE Part # CAT-AM71-T98 TYPE II CONTACTS</p> |  <p>TE Part # 81665-5 ECONOSEAL, FLANGE GASKET</p> |  <p>TE Part # CAT-AM71-T98E TYPE III CONTACTS LP</p> |
|  <p>TE Part # CAT-AM71-T98D TYPE III CONTACTS LP EMEA</p> |  <p>TE Part # CAT-AM71-T98A TYPE III CONTACTS LP</p> |  <p>TE Part # CAT-AM71-T98G TYPE III CONTACTS LP HIGH CURRENT</p> |  <p>TE Part # CAT-AM71-T98B TYPE III CONTACTS STRIP</p> |



TE Part # CAT-AM71-T98F
TYPE III CONTACTS STRIP HIGH CURRENT



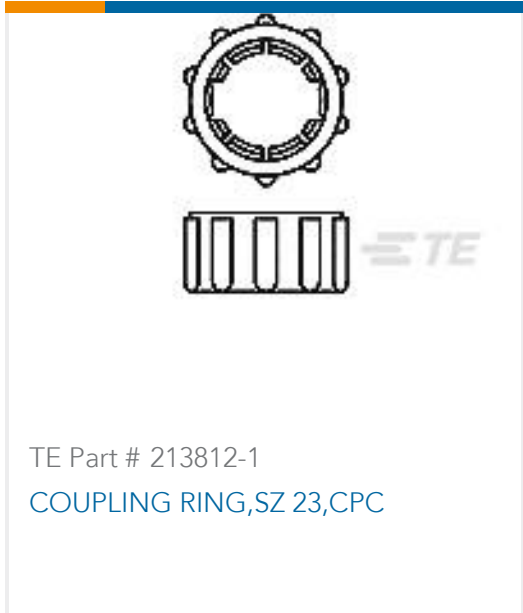
TE Part # 207299-4
FLANGE PLUG



TE Part # CAT-AM71-C83998B
CPC CABLE CLAMPS



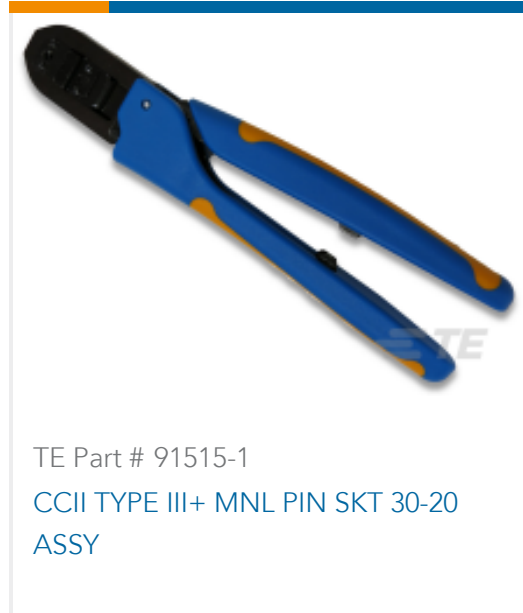
TE Part # 207446-3
SEALING CAP ASSY,SZ 23,CPC



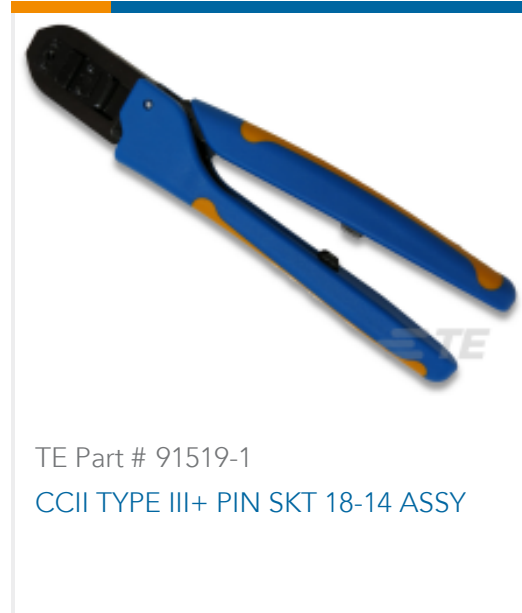
TE Part # 213812-1
COUPLING RING,SZ 23,CPC



TE Part # 91542-1
CCII TYPE III+ PIN SKT 24-22 ASSY



TE Part # 91515-1
CCII TYPE III+ MNL PIN SKT 30-20 ASSY



TE Part # 91519-1
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 91505-1
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE

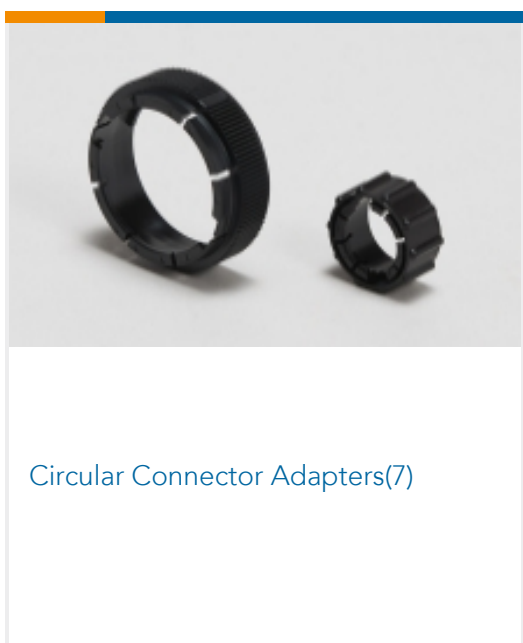


TE Part # 91523-1
CCII TYPE III+ PIN SKT 24-16 ASSY

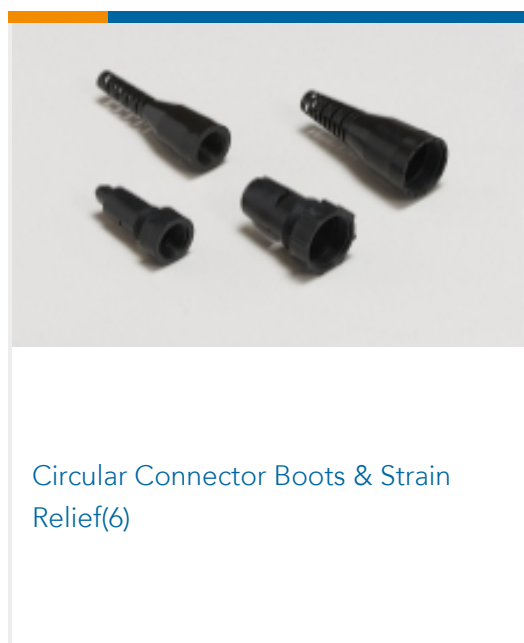


TE Part # 91521-1
CCII TYPE III+ PIN SKT 18-14 ASSY

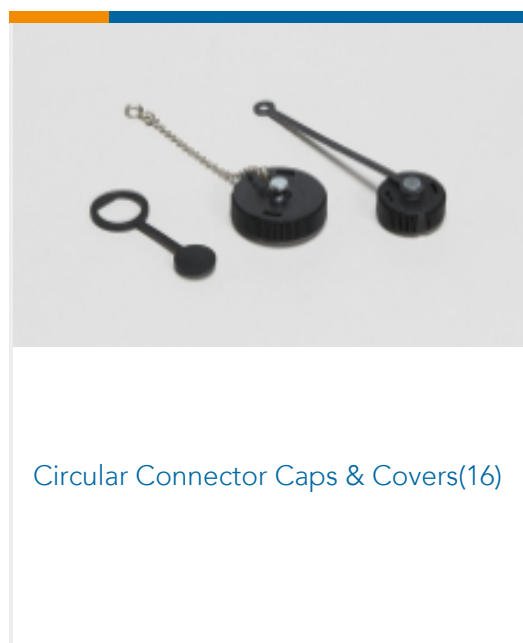
Also in the Series | AMP CPC



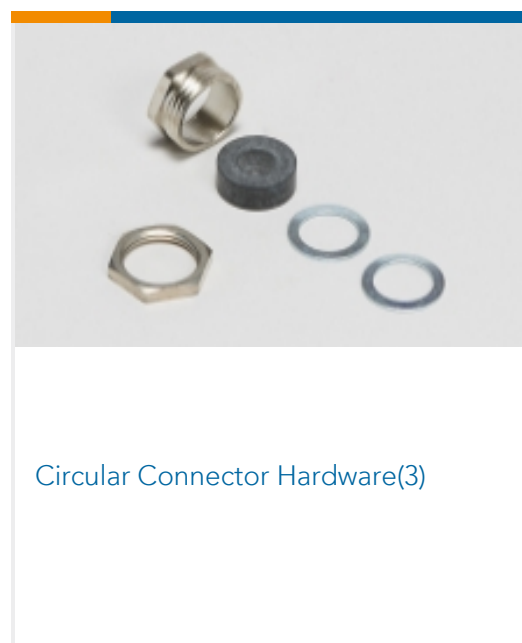
Circular Connector Adapters(7)



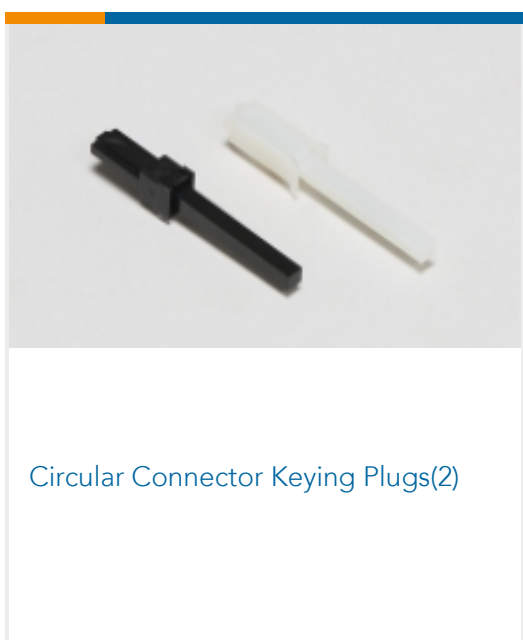
Circular Connector Boots & Strain Relief(6)



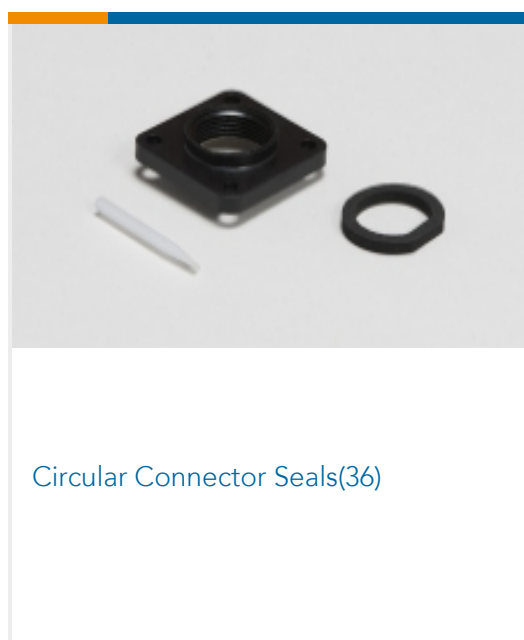
Circular Connector Caps & Covers(16)



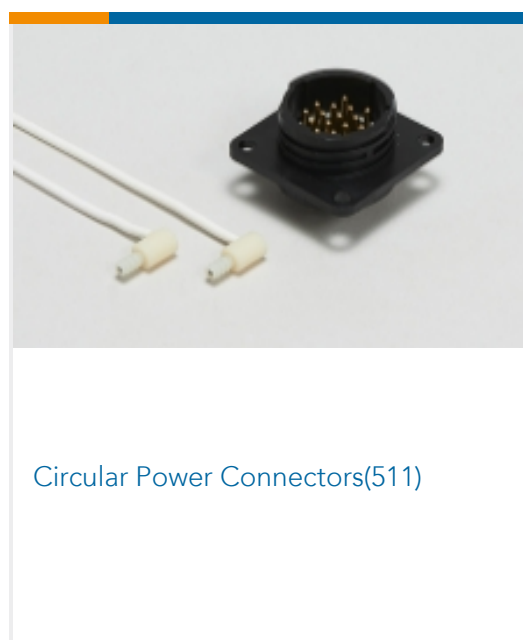
Circular Connector Hardware(3)



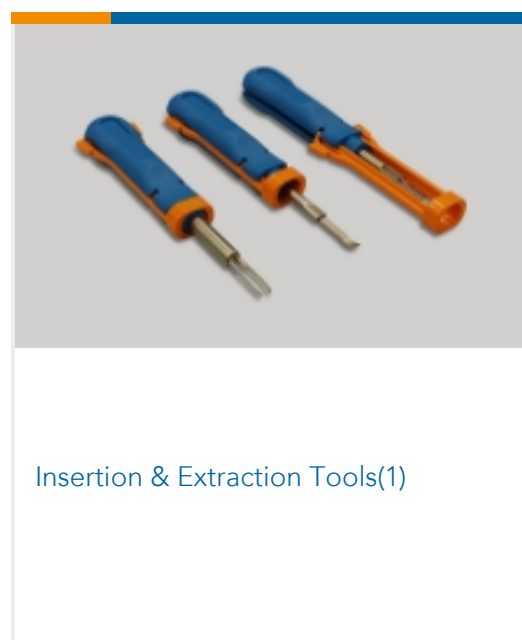
Circular Connector Keying Plugs(2)



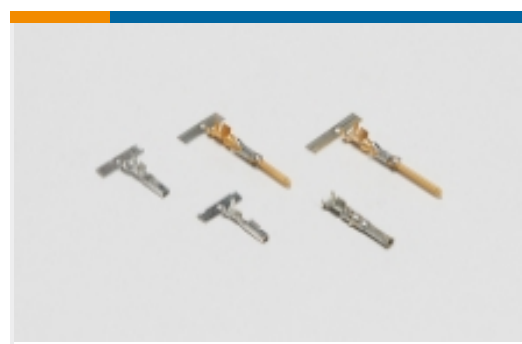
Circular Connector Seals(36)



Circular Power Connectors(511)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Unscreened Circular Connector
Backshells & Clamps(56)

Customers Also Bought

TE Part #211771-1
CPC SERIES 1TE Part #DRC26-50S03
DEUTSCH DRC HOUSINGSTE Part #1-66563-1
III+ SKT,24-20,TIN,STRIPTE Part #DRC22-50P03
HDR, 50P, BLK, ST, AU/NI/CU, 03TE Part #CY0088-000
CI-007146APR/1

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-19

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_213853-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_213853-1_B.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_213853-1_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

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Product Specifications

[Application Specification](#)

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Product Environmental Compliance

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Agency Approvals

[UL Report](#)

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