

206150-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 206150-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 37 Position, Wire & Cable, Plug, Socket, Power & Signal, Black, All Plastic, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Connector, Environmentally Sealed, CPC Series 6



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **37**

Sealable: **No**

[All Circular Connector, Environmentally Sealed, CPC Series 6 \(19\)](#)

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	Without
Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics



Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
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Contact Type	Socket
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Contact Protection	With
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Mechanical Attachment

Mating Alignment Type	Keyed
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Mating Alignment	With
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Mating Retention Type	Threaded Coupling
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Thread Size	1-3/8 - 18 UNEF-2A
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Polarization Code	A
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Mating Retention	With
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Panel Mount Feature	Without
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Housing Features

Body Orientation	Straight
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Housing Color	Black
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Housing Material	Nylon 6/6 GF
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Circular Connector Shell Size	23
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Fluid Resistance	None
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Operation/Application

Circuit Application	Power & Signal
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Shielded	No
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	100
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Packaging Method	Standard
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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	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 # CAT-AM71-A17 POWERBAND Contacts</p>	 <p>TE Part # 207446-3 SEALING CAP ASSY, SZ 23, CPC</p>	 <p>TE Part # 54012-1 CPC STRAIN RELIEF, SIZE 23</p>	 <p>TE Part # CAT-AM71-C83998J Cable/Panel Mount Connector, CPC Series 1</p>
 <p>TE Part # 213812-1 COUPLING RING, SZ 23, CPC</p>	 <p>TE Part # CAT-AM71-C83998K Circular Connector, Environmentally Sealed, CPC Series 6</p>	 <p>TE Part # CAT-AM71-C83998B CPC Cable Clamps</p>	 <p>TE Part # CAT-AM71-T98 Pin and Socket Contacts, Type II</p>




TE Part # CAT-AM71-C83998L
CPC Sealed Accessories



TE Part # CAT-AM71-T98E
Pin and Socket Contacts, Type III, LP




TE Part # CAT-AM71-T98D
Pin and Socket Contacts, Type III, LP EMEA




TE Part # CAT-AM71-T98A
Strip Pin and Socket Contacts, Type III, LP



TE Part # CAT-AM71-T98B
Strip Pin and Socket Contacts, Type III



TE Part # CAT-AM71-T98F
Strip Pin and Socket Contacts, Type III, High Current



TE Part # CAT-AM71-C83998Z
CPC Sealing Kits/Accessories



TE Part # 207299-4
FLANGE PLUG



TE Part # CAT-AM71-T98G
Pin and Socket Contacts, Type III, LP, High Current



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


Also in the Series | AMP CPC



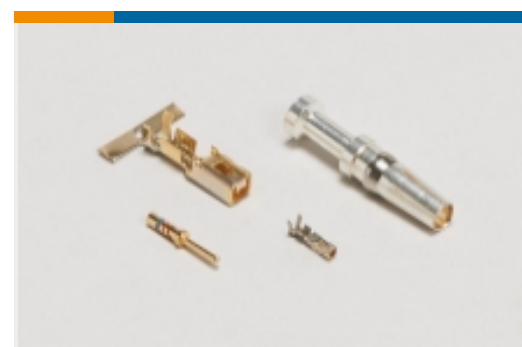
Circular Power Connectors(458)



Connector Backshells(2)




Connector Caps & Covers(16)



Connector Contacts(6)




Connector Hardware(12)



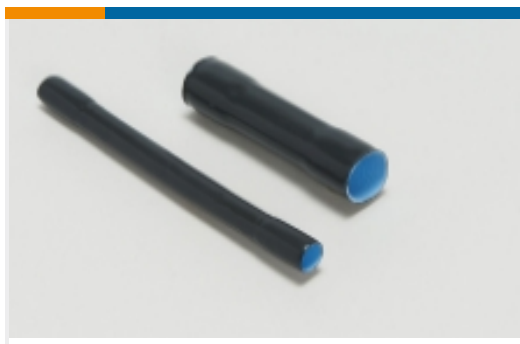
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

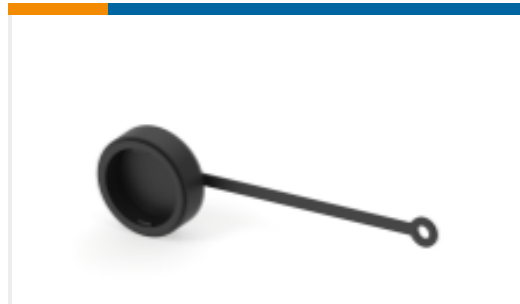


Sealing Sleeves(2)

Customers Also Bought



TE Part #206151-2
23-37 F.H. RECEPT



TE Part #211870-2
SEALING CAP ASSY, SZ 13, CPC



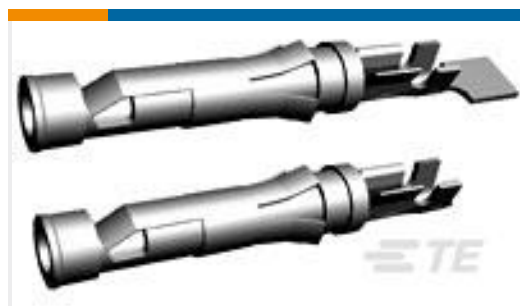
TE Part #206306-5
CPC RECEPT ASSEMBLY SIZE 23-37



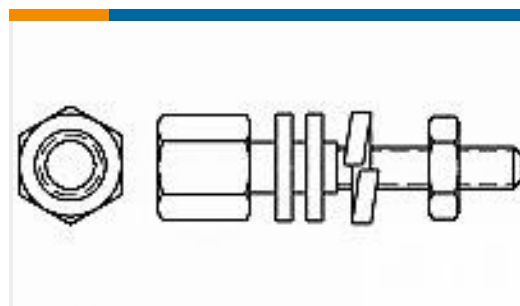
TE Part #206903-2
SEALING CAP ASSY, SZ 11, CPC



TE Part #207360-1
PLUG HSG, 3 POSN, METRIC



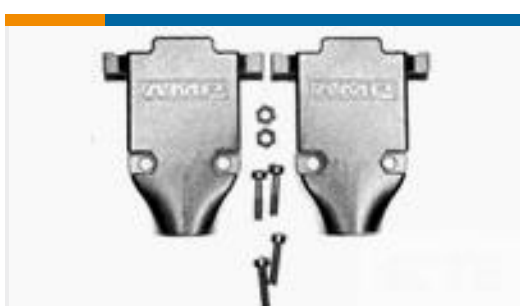
TE Part #66105-1
III+ SKT, 24-20, 30AU >10, LP



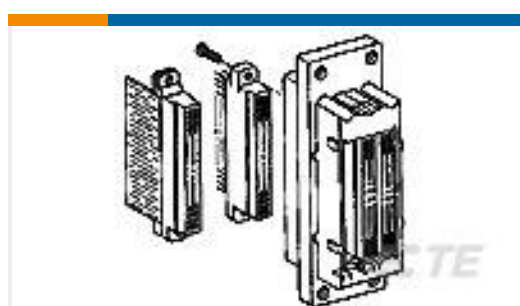
TE Part #5747223-3
AMPLI FEM S'LOCK KIT



TE Part #201328-1
CONTACT SOCKET ASSY.



TE Part #5747100-1
CABLE CLAMP KIT, SZ 4



TE Part #211686-2
CR 120 POS RECPT KIT

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-37

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_206150-1_K1.2d_dxf.zip



English

Customer View Model

[ENG_CVM_206150-1_K1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206150-1_K1.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_206150-1_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206150-1_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206150-1_M.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English