

206039-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 206039-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 28
Position, Wire & Cable, Plug, Reverse Gender, Pin, Signal, Black, All
Plastic, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connectors, Series 2



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Number of Positions: **28**

Sealable: **No**

[All CPC Connectors, Series 2 \(24\)](#)

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	28
Number of Power Positions	0
Number of Signal Positions	28

Electrical Characteristics



Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
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Contact Type	Pin
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Contact Current Rating (Max)	7.5 A
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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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Panel Mount Feature Type	Flange
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Mating Retention Type	Threaded Coupling
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Screw & Hole Thread Size	15/16-20 UNEF – 2A
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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	Polyester, Thermoplastic
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Circular Connector Shell Size	17
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Dimensions

Accepts Wire Insulation Diameter Range	1.73 mm [.068 in]
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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	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

Bag

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 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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



TE Part # CAT-AM71-C83998M
CPC Connectors, Series 2



TE Part # 207299-3
FLANGE PLUG MOUNT CPC



TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs



TE Part # CAT-AM71-C83998B
CPC Cable Clamps




TE Part # CAT-035-DCCSC20
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



TE Part # CAT-035-DCCPB20
D-Sub Connector Contacts: Pin, Brass, Signal, Size 20



TE Part # 213810-1
CPC COUPLING RING SIZE 17



TE Part # CAT-AM71-C83998DD
Connectors, CPC Series 2, with Posted Contacts



TE Part # 91503-1
CCII AMPLIMITE 20 DF PIN SKT 28-20 ASSY



TE Part # 207241-1
CABLE BOOT, SZ 17, CPC



TE Part # 207387-1
CABLE GRIP, SZ 17, CPC



TE Part # 207387-2
CABLE GRIP, SZ 17, CPC



TE Part # 208652-1
SEALING CAP ASSY, SZ 17, CPC



TE Part # 205089-1
HD 20 PIN CONTACT



TE Part # 205090-1
HD 20 SOCKET CONTACT



TE Part # 601966-5
K13-1 POSITIONER



TE Part # 601966-1
CRIMPING TOOL M22520/2-01



TE Part # 207445-3
SEALING CAP ASSY, 17, CPC ROHS Compliant




TE Part # 205089-2
PIN CONTACT, SZ 20, AMPLIMITE




TE Part # 206509-1
SIZE 20 KEYING PLUG


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)



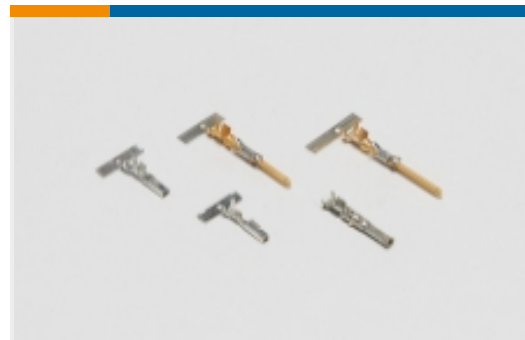
Circular Connector Seals(36)



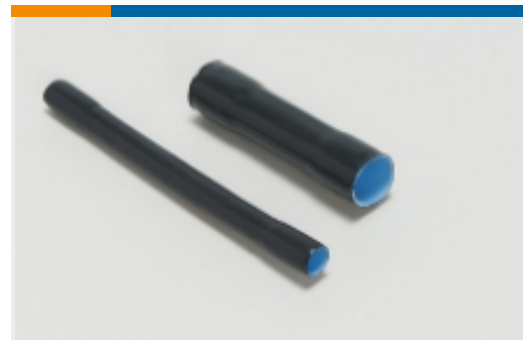
Circular Power Connectors(460)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #213870-1
23-19 RCPT HSG,STD SEX,CPC



TE Part #206437-1
CPC Connectors, Series 2



TE Part #213856-4
CPC RECPT ASSEMBLY SIZE 23-37



TE Part #1658539-2
PIN CONT DUPL PLT STRIP HD-20



TE Part #52464-1
TERMINAL,PG SPR SPD 16-14 8



TE Part #2217655-1
CCII EPII LANCELESS STD 22-18 ASSY



TE Part #1-1393143-6
27E162=SOCKET,R10,10,SLG,PHE



TE Part #1901760-1
CCII DUAL LINE INTERLOCK CONN 22-20 ASSY

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 17-28

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_206039-1_F.2d_dxf.zip



English

Customer View Model

[ENG_CVM_206039-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206039-1_F.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_206039-1_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206039-1_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206039-1_N.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

[Connector, Circular Plastic](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[MD_206039-1_08232017021_dmtec](#)

English

[MD_206039-1_08232017021_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

English

[CSA Certificate](#)

English

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