

206837-1 ✓ ACTIVE

[AMP](#) | [AMP CPC](#)

TE Internal #: 206837-1

AMP CPC, Circular Power Connectors, Housing, Operating Voltage 600 VDC, Wire-to-Wire, 24 Position, Wire & Cable, Plug, Socket, Power & Signal

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[Connectors](#) > [Power Connectors](#) > [Circular Power](#) > [Circular Power Connectors](#) > [CPC SERIES 6](#)



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **24**

Sealable: **No**

[All 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	24
Number of Power Positions	0
Keying	A
Number of Signal Positions	24

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket

Contact Protection	With
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Mechanical Attachment

Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Mating Alignment	With
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Mating Retention	With
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Panel Mount Feature	Without
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Mating Alignment Type	Keyed
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Mating Retention Type	Threaded Coupling
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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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VDE Tested	No
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Packaging Features

Packaging Method	Standard
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Packaging Quantity	100
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Out of Scope
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUL 2021
(219)

Candidate List Declared Against: JUL 2021
(219)

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-C83998F
CPC SERIES 1 POSTED



TE Part # CAT-AM71-A17
POWERBAND CONTACTS



TE Part # CAT-AM71-C83998J
CPC SERIES 1



TE Part # 206838-3
CPC RECPT SEALED SIZE 23-24



TE Part # 54012-1
CPC STRAIN RELIEF, SIZE 23



TE Part # CAT-AM71-C83998K
CPC SERIES 6



TE Part # CAT-AM71-T98
TYPE II CONTACTS



TE Part # CAT-AM71-C83998L
CPC SEALED ACCESSORIES

TE Part # CAT-AM71-T98E
TYPE III CONTACTS LP

TE Part # CAT-AM71-T98D
TYPE III CONTACTS LP EMEA

TE Part # CAT-AM71-T98A
TYPE III CONTACTS LP

TE Part # CAT-AM71-T98G
TYPE III CONTACTS LP HIGH CURRENT

TE Part # CAT-AM71-T98B
TYPE III CONTACTS STRIP

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

TE Part # CAT-AM71-C83998Z
CPC SEALING KITS/ACCESSORIES

TE Part # 207299-4
FLANGE PLUG

TE Part # CAT-AM71-C83998B
CPC CABLE CLAMPS

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

Also in the Series | AMP CPC

Circular Connector Adapters(7)

Circular Connector Boots & Strain Relief(6)

Circular Connector Caps & Covers(16)

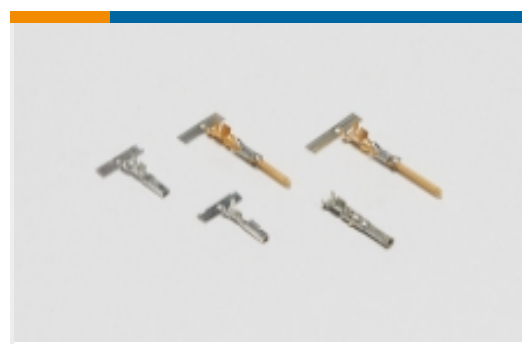
Circular Connector Hardware(3)

Circular Connector Keying Plugs(2)

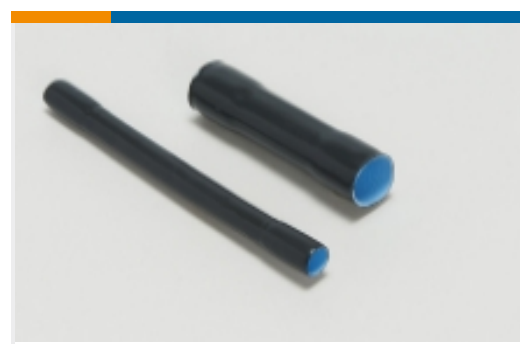
Circular Connector Seals(36)

Circular Power Connectors(513)

Insertion & Extraction Tools(1)



Power Contacts(6)

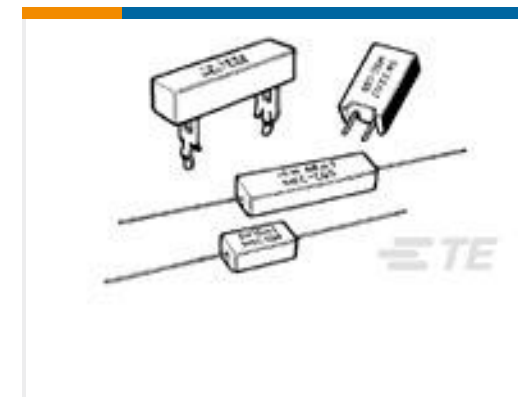
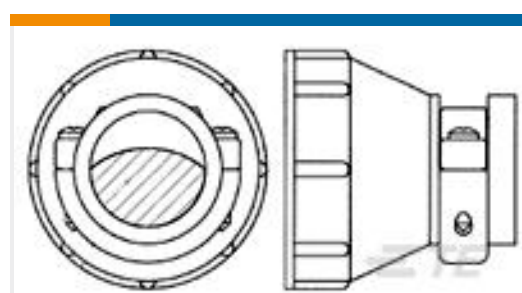


Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(5)

Customers Also Bought

TE Part #206838-2
CPC SERIES 1TE Part #206150-1
CPC SERIES 6TE Part #206138-8
CPC CABLE CLAMPSTE Part #1623793-8
SQP5 2K2 5% MTL FLMTE Part #182652-1
23 SIZE CPC STD CLAMP

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-24

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_206837-1_G1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_206837-1_G1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206837-1_G1.3d_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

[MD_206837-1_031620181326_dmtec](#)

English

[MD_206837-1_031620181326_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English