

206837-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 206837-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 24 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: **24**

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	24
Number of Power Positions	0
Number of Signal Positions	24

### 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 # CAT-AM71-C83998J Cable/Panel Mount Connector, CPC Series 1</p>	 <p>TE Part # 207446-3 SEALING CAP ASSY, SZ 23, CPC</p>	 <p>TE Part # 206838-3 CPC RECPT SEALED SIZE 23-24</p>
 <p>TE Part # 54012-1 CPC STRAIN RELIEF, SIZE 23</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 # 213812-1 COUPLING RING, SZ 23, CPC</p>





TE Part # CAT-AM71-C83998F  
Connectors with Posted Pin Contacts, CPC Series 1




TE Part # CAT-AM71-T98  
Pin and Socket Contacts, Type II




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-T98G  
Pin and Socket Contacts, Type III, LP, High Current



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


Also in the Series | AMP CPC




Circular Connector Adapters(7)




Circular Connector Caps & Covers(16)




Circular Connector Hardware(3)




Circular Connector Keying Plugs(2)




Circular Power Connectors(458)



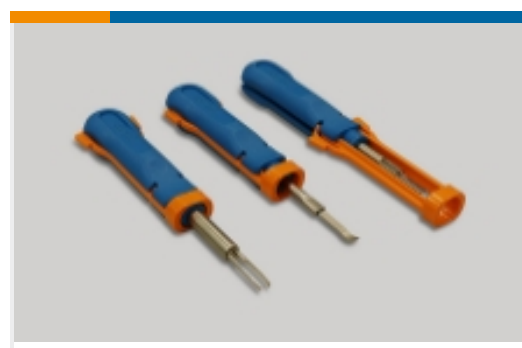
Connector Backshells(56)



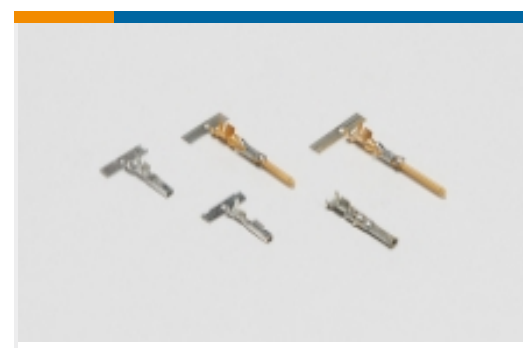
Connector Seals & Cavity Plugs(36)



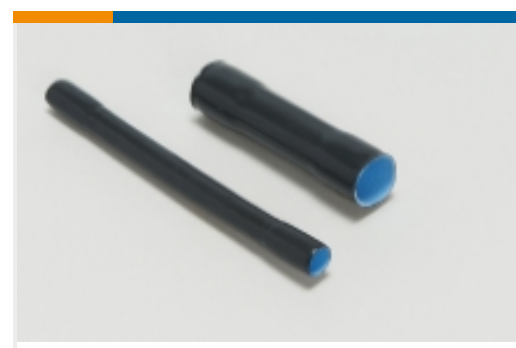
Connector Strain Relief(6)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

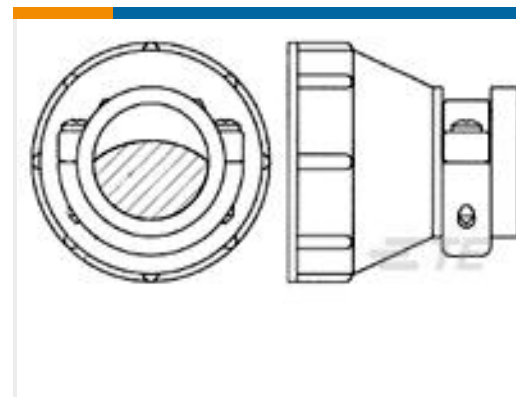
## Customers Also Bought



TE Part #206708-1  
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part #206966-7  
CABLE SHELL CLAMP SIZE 13



TE Part #182652-1  
23 SIZE CPC STD CLAMP



TE Part #66183-1  
III+ SKT,SOLDER,30AU,10AU FLAS



TE Part #766667-1  
Wave Crimp, Flat to Round 8 AWG Cbl Assy



TE Part #4-1423159-7  
7012RHC696=RLY,STD,ON,2P,60VD



TE Part #5019024-3  
SCREW, SELF-TAP, HI-LO TYPE, CROSS, PAN



TE Part #59131  
HEAVY DUTY HT, SOLIS #4

## Documents

### Product Drawings

#### CPC PLUG ASSEMBLY SIZE 23-24

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206837-1\\_H.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206837-1\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206837-1\\_H.3d\\_stp.zip](#)

English

#### 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

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**Datasheets & Catalog Pages**

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

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

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**Instruction Sheets**

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

English

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**Agency Approvals**

[UL Report](#)

English