



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Cable/Panel Mount Connector, CPC Series 1



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **24**
Sealable: **No**

[All Cable/Panel Mount Connector, 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	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
Contact Type	Socket
Contact Protection	With



Mechanical Attachment

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

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
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Packaging Features

Packaging Quantity	100
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 2024
(240)
Candidate List Declared Against: JAN 2024
(240)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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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 # 207446-3 SEALING CAP ASSY,SZ 23,CPC	 TE Part # CAT-AM71-C83998B CPC Cable Clamps	 TE Part # 54012-1 CPC STRAIN RELIEF,SIZE 23	 TE Part # 213812-1 COUPLING RING,SZ 23,CPC
 TE Part # CAT-AM71-T98 Pin and Socket Contacts, Type II	 TE Part # 81665-5 ECONOSEAL, FLANGE GASKET	 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 # 207299-4
FLANGE PLUG



TE Part # 213866-1
23-24 RCPT HSG,STD SEX,CPC



TE Part # 91542-1
CCII TYPE III+ PIN SKT 24-22 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 # 208680-1
SEALING CAP ASSY,SZ 23,CPC

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(2)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



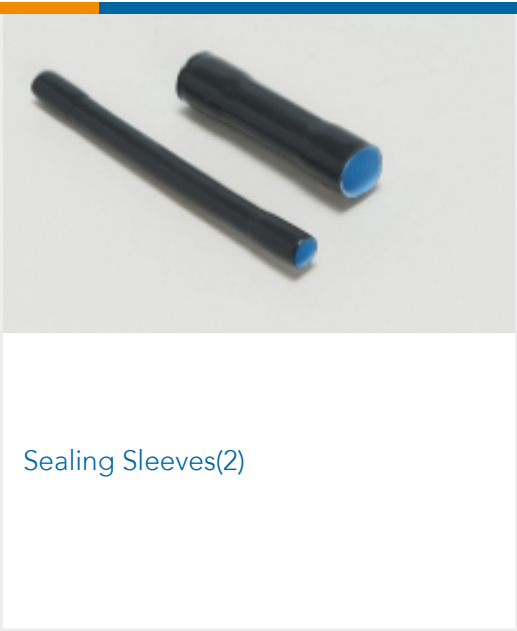
Connector Seals & Cavity Plugs(36)



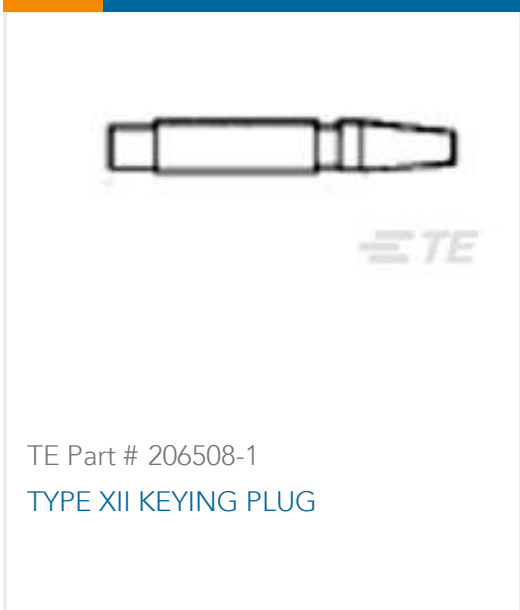
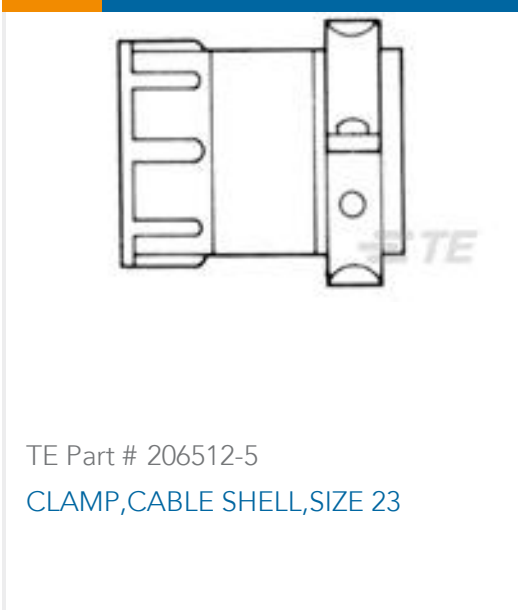
Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Customers Also Bought



Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-24

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_213851-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_213851-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_213851-1_B.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

Agency Approvals
UL Report
English