



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: **37**
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	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

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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	Thermoplastic
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.
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 # 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

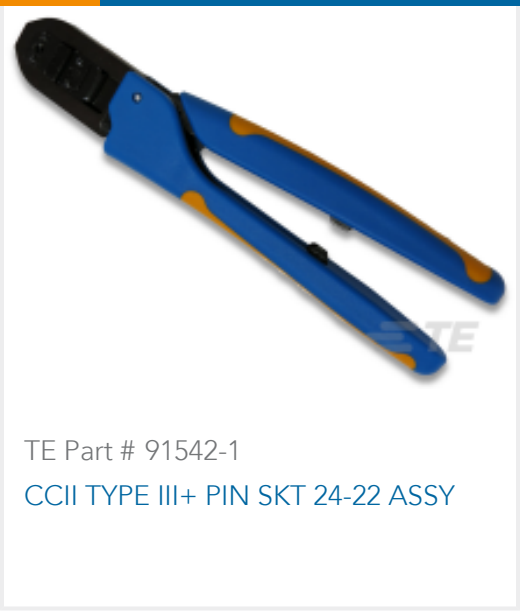
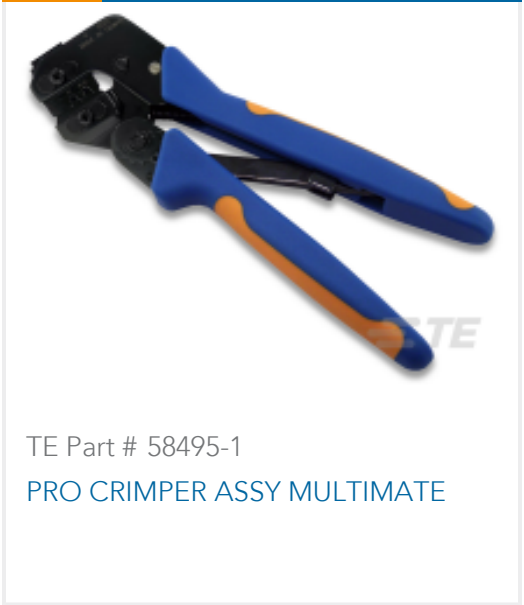


TE Part # CAT-AM71-T98E
Pin and Socket Contacts, Type III, LP



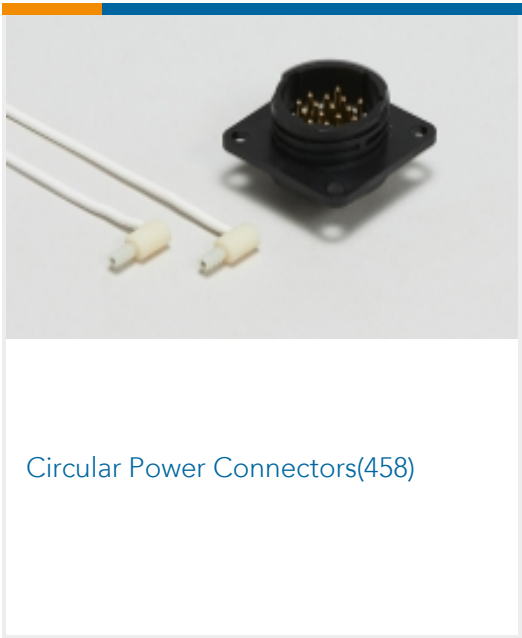
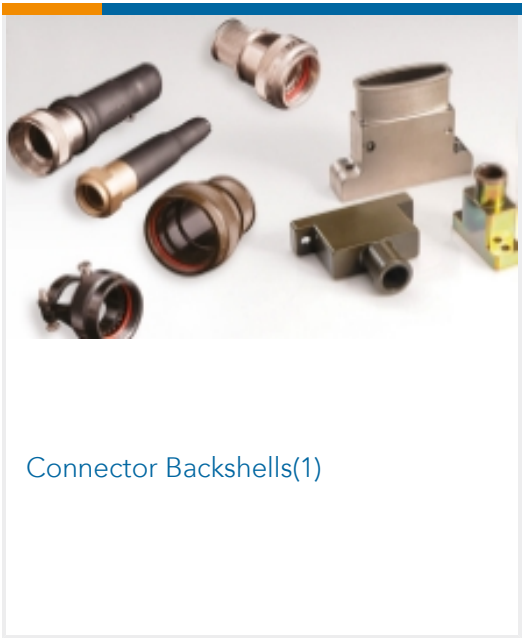
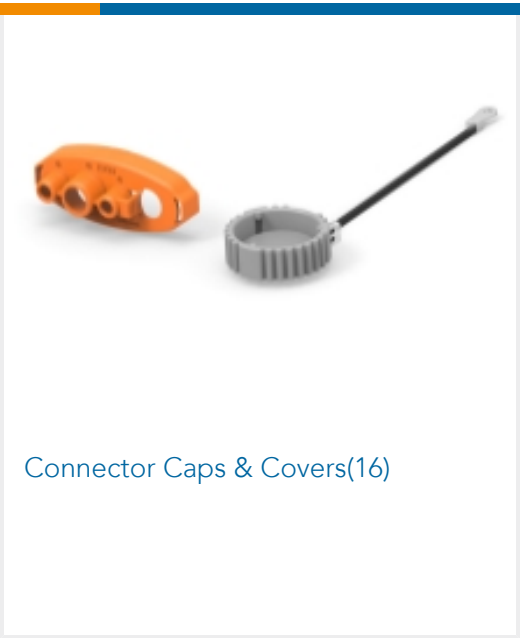
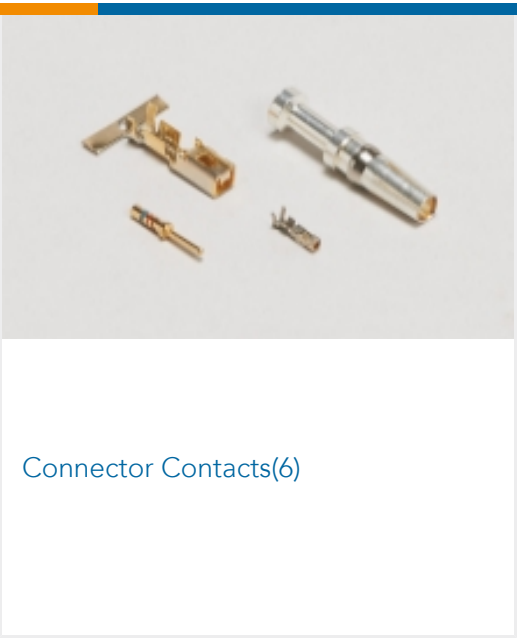
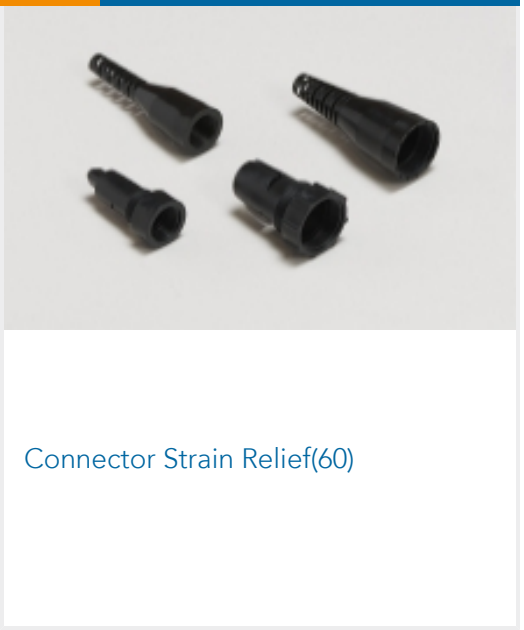
TE Part # CAT-AM71-T98D
Pin and Socket Contacts, Type III, LP EMEA

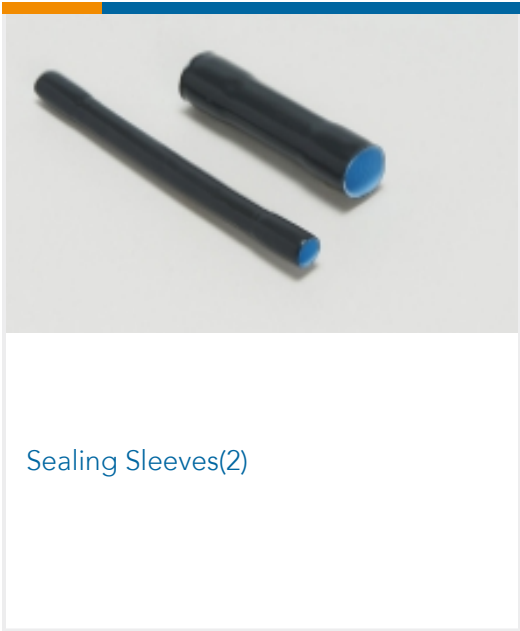


 TE Part # CAT-AM71-T98A Strip Pin and Socket Contacts, Type III, LP	 TE Part # CAT-AM71-T98G Pin and Socket Contacts, Type III, LP, High Current	 TE Part # CAT-AM71-T98B Strip Pin and Socket Contacts, Type III	 TE Part # CAT-AM71-T98F Strip Pin and Socket Contacts, Type III, High Current
 TE Part # 207299-4 FLANGE PLUG	 TE Part # 213860-1 23-37 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 # 208680-1 SEALING CAP ASSY,SZ 23,CPC	 TE Part # 193846-1 SKT ASSY.

Also in the Series

AMP CPC

 Circular Power Connectors(458)	 Connector Backshells(1)	 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

TE Part # 9-1438743-6 54way Hyb .040/2.8 Tails Down Cap Assy	TE Part # 1318772-2 Signal Header	TE Part # 9-1438789-2 38way Hybrid .040/2.8 Header Assy	TE Part # 2315530-1 5PORT,MATENET,HDR ASSY,180DEG, COD A
TE Part # 3-1318853-3 025 24POS CAP ASSY H SELECTIVE-TIN	TE Part # 3-2188220-1 020/060 56P HDR ASSY(CODE B)	TE Part # 4-2188220-2 020/060 56P HDR ASSY(CODE C)	TE Part # 9510670003 RPS-400-1000/2.0-9

Documents

Product Drawings
CPC PLUG ASSEMBLY SIZE 23-37
English

CAD Files
3D PDF
English
Customer View Model
ENG_CVM_213848-1_C.2d_dxf.zip
English
Customer View Model
ENG_CVM_213848-1_C.3d_igs.zip
English
Customer View Model
ENG_CVM_213848-1_C.3d_stp.zip
English
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_213848-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213848-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213848-1_B.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

Agency Approvals

[UL Report](#)

English