



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Connectors with Posted Pin Contacts, CPC Series 1



Connector Product Type: **Connector Assembly**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Board, Wire-to-Panel**
Number of Positions: **7**
Sealable: **No**

[All Connectors with Posted Pin Contacts, CPC Series 1 \(39\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board, Wire-to-Panel
Sealable	No
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	7
Number of Power Positions	0
Number of Signal Positions	7

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

--	--



Reverse Gender	No
Contact Type	Pin

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Threaded Inserts
Mating Retention Type	Threaded Coupling
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	PA 6.6
Circular Connector Shell Size	13

Dimensions

Assembly Length	39.89 mm[1.57 in]
-----------------	-------------------

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	24
Packaging Method	Tray

Product Compliance



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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

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>

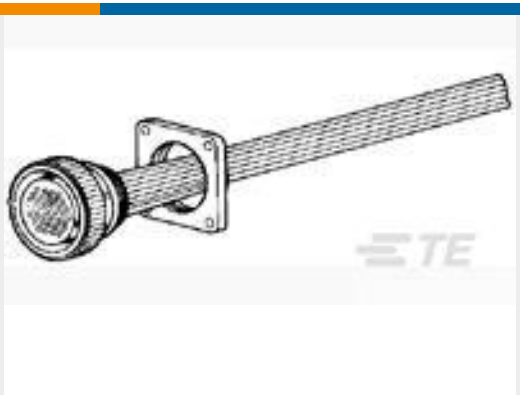
Compatible Parts



TE Part # CAT-AM71-C83998B
CPC Cable Clamps



TE Part # 211399-1
CPC PLUG ASSEMBLY SIZE 13-7



TE Part # 207299-2
FLANGE PLUG MOUNT CPC

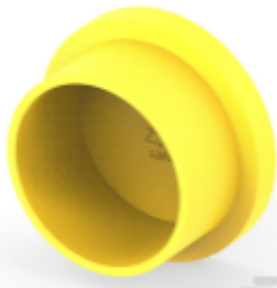


TE Part # 2-2407269-2
CAP, CPC, SIZE 13 RECP, BLACK





TE Part # 2-2407269-3
CAP, CPC, SIZE 13 RECP, RED



TE Part # 2-2407269-4
CAP, CPC, SIZE 13 RECP, YELLOW

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 & Extraction Tools(1)



Power Contacts(6)

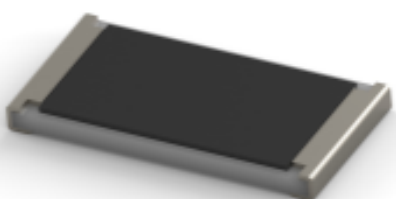


Sealing Sleeves(2)

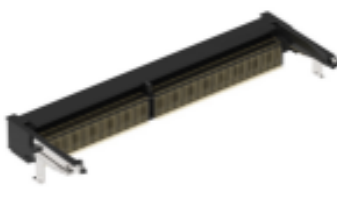
Customers Also Bought



TE Part #1612618-4
SEMI-HARD TRAY DDR2 SODIMM
SOCKET 200P 9



TE Part #2176071-2
SMD Power Resistor: 2 Watt, 3521
Series



TE Part #2309413-1
DDR4 SODIMM 260P 9.2H STD
Series



TE Part #1676143-2
RN 0805 100R 0.1% 10PPM 1KRL



TE Part #1-794067-1
14P MINI UMNL HDR W/DH AU



TE Part #5-1415535-1
PE034024



TE Part #1565994-3
RITS HDR ASSY R/A SMT TYPE 3P
WITH BOSS

Documents

Product Drawings

CPC POSTED RCPT,13-7 LF

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-796433-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-796433-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796433-1_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-796433-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-796433-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-796433-1_C.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

