



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **7**
Sealable: **No**

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	7
Number of Power Positions	0
Keying	A
Number of Signal Positions	7

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Protection	With



Mechanical Attachment

Screw & Hole Thread Size	3/4 - 20 UNEF-2A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon, Thermoplastic
Circular Connector Shell Size	13

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
VDE Tested	Yes

Packaging Features

Packaging Method	Package
Packaging Quantity	1

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: JUN 2020 (209)



Candidate List Declared Against: JAN 2017
(173)
Does not contain REACH SVHC

Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # CAT-AM71-C83998K
CPC SERIES 6

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)



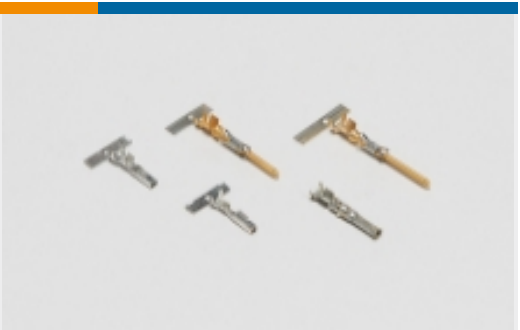
Circular Connector Keying Plugs(2)



Circular Connector Seals(35)



Circular Power Connectors(513)



Power Contacts(5)



Sealing & Repair Sleeves(2)

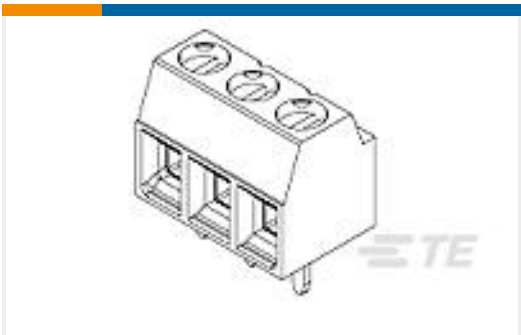


Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Model / Part #211401-2
RECEPT,SZ 13-7,CPC



TE Model / Part #1-1776113-0
10P,3.81MM,SIDE ENTRY,HIGH TMP



TE Model / Part #2302454-1
1-PORT MATENET FRAME,UTP, COD A



TE Model / Part #1438759-2
22Way Hybrid 040/2.8 Plug Assy Key "C"

Document

Product Drawings
RECEPT,SZ 13-7,CPC

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_211401-7_AC.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_211401-7_AC.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_211401-7_AC.3d_stp.zip

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English