



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 16

Connector Product Type: **Housing**

Operating Voltage: 600 VDC

Wire Size: 10 – 16 AWG

Connector System: **Wire-to-Wire**

Features

Packaging Features

Packaging Quantity	10
Packaging Method	Carton

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling
Thread Size	1-7/16-18 UNEF-2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	28

Dimensions

Compatible Insulation Diameter Range	5.59 mm[.22 in]
Wire Size	10 – 16 AWG

Configuration Features



Reverse Numbering	Without
Number of Positions	16
Number of Power Positions	4
Number of Signal Positions	12

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	Metal-Shell

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	25 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

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
------------------------	----------

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant



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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 211824-1
CPC PLUG ASSEMBLY 23-13



TE Part # 207485-1
CPC PLUG ASSEMBLY SIZE 23-16



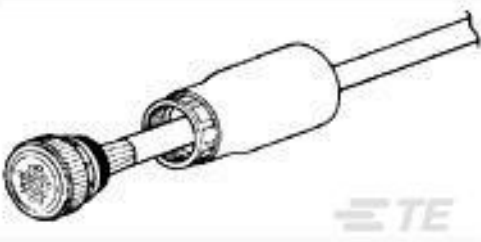
TE Part # 208480-3
PLUG ASSEMBLY,SZ 28,CMC



TE Part # 208945-8
SZ 28 UNASSM KIT,CMC



TE Part # 1776089-1
CMC PLUG ASSEMBLY, SZ 28



TE Part # 54012-4
CPC STRAIN RELIEF, SIZE 23



TE Part # 208480-1
CMC PLUG ASSEMBLY, SZ 28

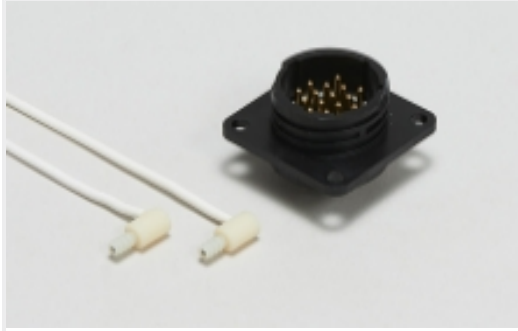


TE Part # 208479-1
CMC RECEPTACLE ASSY, SIZE 28

Also in the Series | AMP CPC



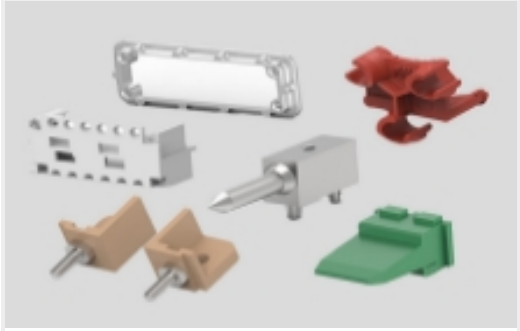
Circular Connector Backshells & Clamps(1)



Circular Power Connectors(423)



Connector Contacts(6)



Connector Hardware(12)



Power Contacts(6)

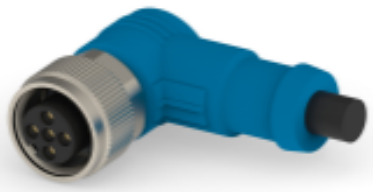


Sealing Sleeves(2)

Customers Also Bought



TE Part #3-641238-2
02P MTA100 CONN ASSY NATL 30AU



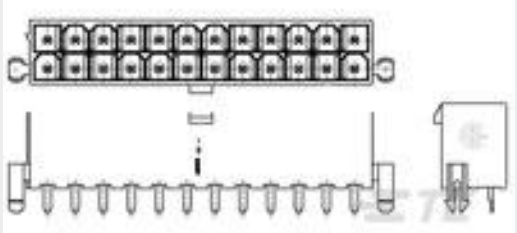
TE Part #T4161410005-002
RPC-M12-FR-5CON-PVC-1.0SH



TE Part #TAD14741111-007
M12D4-MS-MS-PVC TYPE B-10.0M



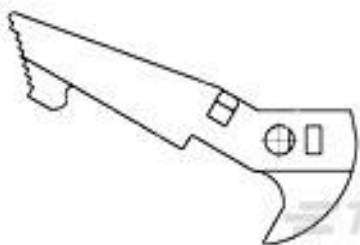
TE Part #66740-6
TYPE XII FEMALE CONT (L.P.)



TE Part #1586039-4
4P VAL-U-LOK VRT HDR W/P V2



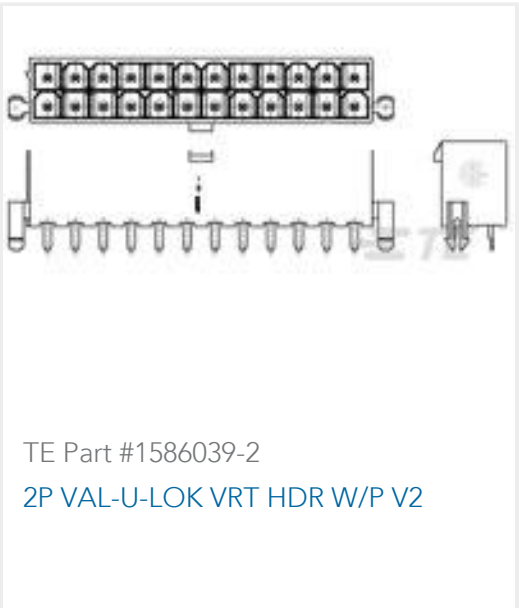
TE Part #2-1419130-4
TSC-112L3H,000



TE Part #1825851-1
AMPMODU MOD IV LATCH for AMPLA



TE Part #5520425-3
MJ,TE,6P/6C,BULK PAC



Documents

Product Drawings

CMC PLUG ASSEMBLY,SZ 28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_208478-1_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_208478-1_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_208478-1_T.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_208478-1_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_208478-1_R.3d_igs.zip

English

Customer View Model

ENG_CVM_208478-1_R.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773902-9_CPC_Catalog

English

1-1773902-9_CPC_Catalog

1-1773902-9_CPC_Catalog

German



[1-1773902-9_CPC_Catalog](#)

Japanese

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

English

[Product Specifications](#)

[Product Specification](#)

English

[Instruction Sheets](#)

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

English

[Agency Approvals](#)

[CSA Certificate](#)

English

[CSA Certificate](#)

English