1776089-1 ✔ ACTIVE

AMP | AMP CPC

TE Internal #: 1776089-1

Housing, 600 VDC, 30 – 14 AWG Wire Size, .05 – .2 mm² Wire Size, Wire-to-Wire, 16 Position, Wire & Cable, Plug, AMP CPC, Circular Power Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **30 – 14 AWG**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Reverse Gender	Yes
Contact Type	Pin
Contact Current Rating (Max)	32 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp & Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling
Thread Size	1-7/16-18 UNEF-2A
Mating Alignment	With
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	28

Dimensions

Compatible Insulation Diameter Range	5.59 mm[.22 in]
Wire Size	.05 – .2 mm²

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

Packaging Features

Packaging Quantity	10
Packaging Method	Carton

Product Compliance

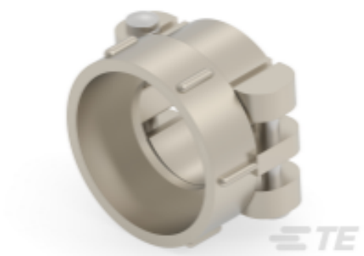
For compliance documentation, visit the product page on TE.com>

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	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 # 208945-8
SZ 28 UNASSM KIT,CMC



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



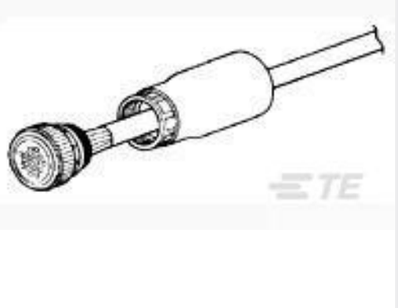
TE Part # 208478-1
CMC PLUG ASSEMBLY,SZ 28



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



TE Part # 1776088-1
CMC RECEPT ASSY,SIZE 28-16



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



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

Also in the Series | AMP CPC



Circular Power Connectors(423)



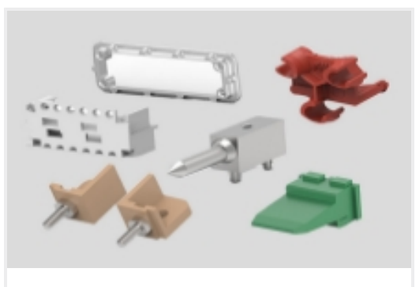
Connector Backshells(1)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



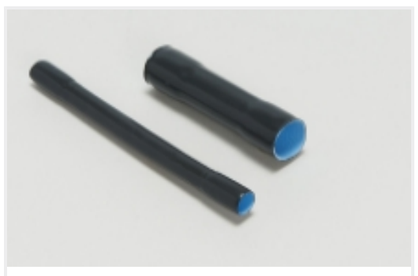
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)

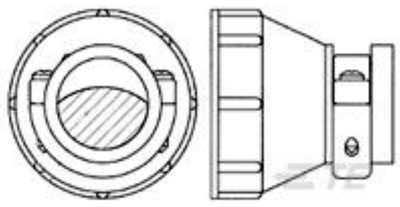


Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



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



TE Part #329251
SPLICE, CE, 22-12



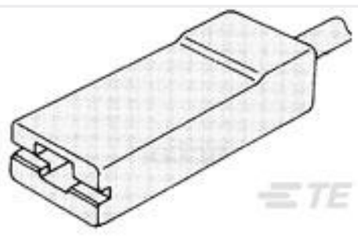
TE Part #40725
RING 190(4.82MM)TERMINAL 18-14 AWG TPBR



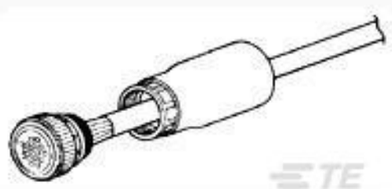
TE Part #41450
250 FASTON REC 14-10 AWG TPBR



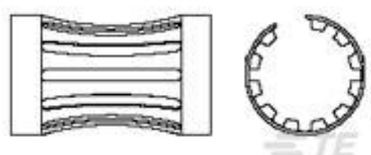
TE Part #2-323680-5
TERMINAL,SOLIS R HT 12-10 10



TE Part #1-480416-0
FASTON 250 REC HSG NYLON NAT



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



TE Part #5-192041-0
LAIV 0.12mm(.005) GOLD

Documents

Product Drawings

CMC PLUG ASSEMBLY,SZ 28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1776089-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1776089-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1776089-1_D.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 Continued

English

Agency Approvals

UL Report

English