

182916-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 182916-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 16 Position, Wire & Cable, Receptacle, Pin, Power & Signal, Black, All Plastic, AMP CPC

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC EMEA



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **16**

Sealable: **No**

[All CPC EMEA \(21\)](#)

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	16
Number of Power Positions	0
Number of Signal Positions	16

Electrical Characteristics



Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Panel Mount Feature Type	Flange with Mounting Holes
Screw & Hole Thread Size	15/16-20 UNEF – 2A
Connector Mounting Type	Panel Mount
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	17

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
UL Rating	Recognized
CSA Certified	Yes
VDE Tested	No

Packaging Features

Packaging Method	Bag
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Packaging Quantity

100

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 2022 (223)
 Candidate List Declared Against: JUL 2021 (219)
 SVHC > Threshold:
 Not Yet Reviewed

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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



Also in the Series | [AMP CPC](#)



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



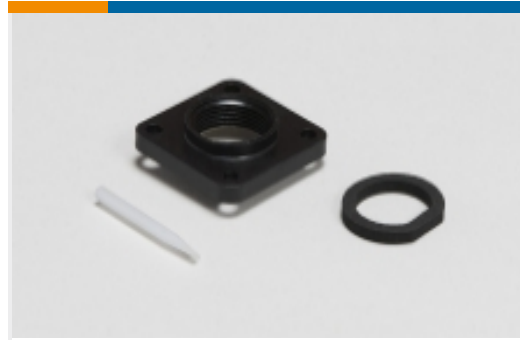
Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



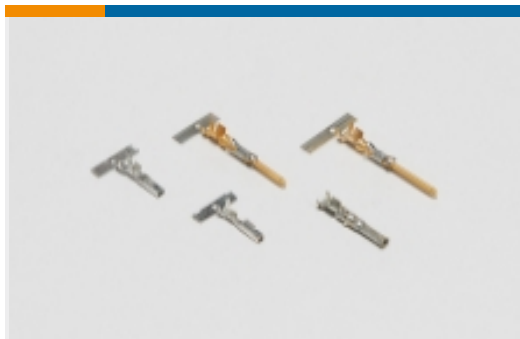
Circular Connector Seals(36)



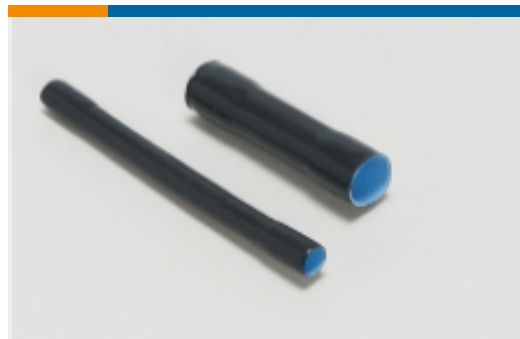
Circular Power Connectors(517)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



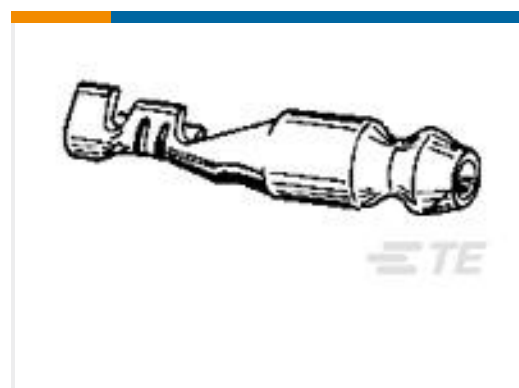
TE Part #182923-1
CPC EMEA



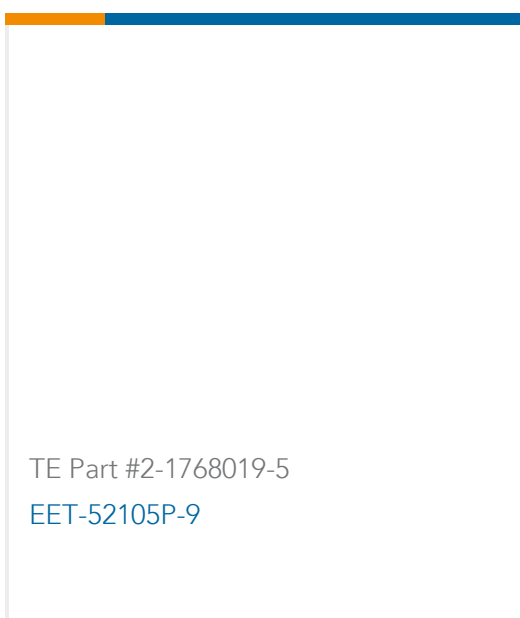
TE Part #163082-1
TYPE III CONTACTS LP EMEA



TE Part #182661-1
CPC CABLE CLAMPS EMEA



TE Part #153209-2
SHUR PLUG .18 DIA REC 18-16 AWG
TPBR



TE Part #2-1768019-5
EET-52105P-9

Documents



Product Drawings

CPC SQ.FL.RCPT STD SEX

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_182916-1_B3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_182916-1_B3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_182916-1_B3.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_182916-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_182916-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_182916-1_B.3d_stp.zip](#)

English

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Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English