### AMP | AMP CPC

TE Internal #: 182642-1

Circular Power Housing, 600 VDC, Wire-to-Wire, 16 Position, Wire &

Cable, Plug, Socket, Power & Signal, Black, All Plastic,

Thermoplastic, AMP CPC

View on TE.com >



Connectors > Power Connectors > Circular Power > Circular Power Connectors











Connector Product Type: Housing

Operating Voltage: 600 VDC

Connector System: Wire-to-Wire

Number of Positions: 16

Sealable: No

#### **Features**

#### **Packaging Features**

Packaging Quantity	100
Packaging Method	Bag

#### **Mechanical Attachment**

Mating Potentian Tuna	Throadod Coupling
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	Without

### **Industry Standards**

CSA Rating	Certified
UL Flammability Rating	UL 94V-0

#### **Housing Features**



Body Orientation Straight Housing Corer Black Housing Material Thermoplastic Circular Connector Shell Size 17  Configuration Features  Reverse Numbering Without Number of Positions 16 Number of Power Positions 0 Number of Signal Positions 16 Product Type Features  Connector Product Type Housing Connector System Wire-to-Wire Sealable Na Connector System Wire-to-Wire Sealable Na Connector & Housing Type Plug Circular Connector Shell Type All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket Contact Procedion With Usage Conditions  Ogerating Temperature Range 1-55 - 105 °CL-67 - 221 °F] Fluid Resistance No Contect Cortact Application Circuit Compilance Compilant		
Housing Material Thermoplastic  Circular Connector Shell Size 17  Configuration Features  Reverse Numbering Without  Number of Positions 16  Number of Power Positions 0  Number of Signal Positions 16  Product Type Housing  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 All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range 55 105 °C[ 67 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compilance Compilant	Body Orientation	Straight
Circular Connector Shell Size  Configuration Features  Reverse Numbering  Number of Positions  Number of Positions  Number of Signal Positions  Number of Signal Positions  Number of Signal Positions  Connector Product Type  Housing  Connector Product Type  Housing  Connector System  Wire-to-Wire  Scalable  No  Connector & Contact Terminates To  Wire & Cable  Connector Shell Type  Plug  Circular Connector Shell Type  All Plastic  Electrical Characteristics  Operating Voltage  Contact Teetures  Reverse Gender  No  Contact Type  Socket  Contact Type  Socket  Contact Type  Socket  Contact Type  Socket  Contact Protection  With  Usage Conditions  Operating Temperature Range  Fluid Resistance  None  Operation/Application  Circuit Application  Power & Signal  Shielded  No  Other	Housing Color	Black
Reverse Numbering Without  Number of Positions 16  Number of Power Positions 0  Number of Signal Positions 16  Product Type Features  Connector Product Type Housing Connector System Wire to Wire  Scalable No  Connector & Contact Terminates To Wire & Cable  Circular Connector Shell Type All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Gender No  Contact Protection With  Usage Conditions  Operating Temperature Range 55 105 °C[ 67 221 °F]  Fluid Resistance No  Cher  Cher  Cher  Cher  Contact Application Power & Signal  Shielded No  Compliant  Compliant  Compliant  Compliant  Compliant  Compliance Compliance  Compliant	Housing Material	Thermoplastic
Reverse Numbering Without  Number of Positions 16  Number of Power Positions 0  Number of Signal Positions 16  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 All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Gender No  Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliant	Circular Connector Shell Size	17
Number of Positions 16 Number of Power Positions 0 Number of Signal Positions 16 Number of Signal Positions 16 Product Type Features  Connector Product Type Housing Wire-to-Wire Sealable No Connector & Contact Terminates To Wire & Cable Connector & Housing Type Plug Circular Connector Shell Type All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Genider No Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °I] Fluid Resistance No Operating Application  Circuit Application Power & Signal Shielded No Other  EU RoHS Compliance Compliant	Configuration Features	
Number of Power Positions  Number of Signal Positions  16  Product Type Features  Connector Product Type  Connector System  Wire-to-Wire  Sealable  No  Connector & Contact Terminates To  Wire & Cable  Connector & Housing Type  Plug  Circular Connector Shell Type  All Plastic  Electrical Characteristics  Operating Voltage  Contact Features  Reverse Gender  No  Contact Type  Socket  Contact Type  Socket  Contact Protection  With  Usage Conditions  Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Fluid Resistance  Noe  Operation/Application  Circuit Application  Power & Signal  Shielded  No  Other  EU RoHS Compliance  Compliant	Reverse Numbering	Without
Number of Signal Positions  Product Type Features  Connector Product Type  Connector System  Wire to Wire  Sealable  No  Connector & Contact Terminates To  Wire & Cable  Connector & Housing Type  Plug  Circular Connector Shell Type  All Plastic  Electrical Characteristics  Operating Voltage  Contact Features  Reverse Gender  No  Contact Type  Socket  Contact Protection  With  Usage Conditions  Operating Temperature Range  -S5 = 105 °C[-67 - 221 °F]  Fluid Resistance  Noe  Operation/Application  Circuit Application  Power & Signal  Shielded  No  Other  EU RoHS Compliance  Compliant	Number of Positions	16
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 All Plastic  Electrical Characteristics Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket Contact Type Socket Contact Protection With Usage Conditions Operating Temperature Range 555 – 105 °C[-67 – 221 °F] Fluid Resistance No Operation/Application Circuit Application Power & Signal Shielded No Other FU RoHS Compliance Compliant	Number of Power Positions	0
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 All Plastic  Electrical Characteristics Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket Contact Type Socket  Contact Protection With  Usage Conditions Operating Temperature Range -55 - 105 °C[-67 - 221 °F] Fluid Resistance None  Operation/Application Circuit Application Power & Signal Shielded No Other  EU ROHS Compliance Compliant	Number of Signal Positions	16
Connector System  Sealable  No  Connector & Contact Terminates To  Wire & Cable  Connector & Housing Type  Circular Connector Shell Type  All Plastic  Electrical Characteristics  Operating Voltage  600 VAC  Contact Features  Reverse Gender  No  Contact Type  Socket  Contact Protection  With  Usage Conditions  Operating Temperature Range  -55 - 105 °C[-67 - 221 °F]  Fluid Resistance  No  Operation/Application  Circuit Application  Shielded  No  Other  EU Rol IS Compliance  Connector Wire to Wire  Wire to Wire  Wire to Wire  All Plastic  Plug  600 VAC  All Plastic	Product Type Features	
Sealable No Connector & Contact Terminates To Wire & Cable Connector & Housing Type Plug Circular Connector Shell Type All Plastic  Electrical Characteristics Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket Contact Protection With  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Fluid Resistance None  Operation/Application  Circuit Application  Power & Signal Shielded No Other  EU RoHS Compliance Compliant	Connector Product Type	Housing
Connector & Contact Terminates To Wire & Cable  Connector & Housing Type Plug  Circular Connector Shell Type All Plastic  Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application  Power & Signal Shielded No  Other  EU RoHS Compliance Compliant	Connector System	Wire-to-Wire
Connector & Housing Type Circular Connector Shell Type All Plastic  Electrical Characteristics Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket Contact Protection With  Usage Conditions Operating Temperature Range Fluid Resistance None Operation/Application Circuit Application Shielded No Other  EU ROHS Compliance  All Plastic All Plastic	Sealable	No
Circular Connector Shell Type  Electrical Characteristics  Operating Voltage  600 VAC  Contact Features  Reverse Gender  No  Contact Type  Socket  Contact Protection  With  Usage Conditions  Operating Temperature Range Fluid Resistance  Operation/Application  Circuit Application  Power & Signal  Shielded  No  Cther  EU RoHS Compliance  Compliant	Connector & Contact Terminates To	Wire & Cable
Electrical Characteristics  Operating Voltage 600 VAC  Contact Features  Reverse Gender No Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range 55 – 105 °C[-67 – 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application  Power & Signal  Shielded No  Other  EU RoHS Compliance Compliant	Connector & Housing Type	Plug
Operating Voltage  Contact Features  Reverse Gender  No Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range Fluid Resistance None  Operation/Application  Circuit Application  Power & Signal Shielded No  Other  EU RoHS Compliance  Compliant	Circular Connector Shell Type	All Plastic
Contact Features  Reverse Gender No Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliant	Electrical Characteristics	
Reverse Gender No  Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliant	Operating Voltage	600 VAC
Contact Type Socket  Contact Protection With  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliance	Contact Features	
Contact Protection  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application  Power & Signal Shielded No  Other  EU RoHS Compliance  Compliant	Reverse Gender	No
Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal Shielded No  Other  EU RoHS Compliance Compliant	Contact Type	Socket
Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Fluid Resistance None  Operation/Application  Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliance	Contact Protection	With
Fluid Resistance  Operation/Application  Circuit Application  Shielded  No  Other  EU RoHS Compliance  None  None  Power & Signal  No  Compliant	Usage Conditions	
Operation/Application       Circuit Application     Power & Signal       Shielded     No       Other     EU RoHS Compliance       Compliant	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Circuit Application Power & Signal  Shielded No  Other  EU RoHS Compliance Compliant	Fluid Resistance	None
Shielded No  Other  EU RoHS Compliance Compliant	Operation/Application	
Other  EU RoHS Compliance  Compliant	Circuit Application	Power & Signal
EU RoHS Compliance Compliant	Shielded	No
	Other	
EU ELV Compliance Compliant	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: JAN 2024 (240) Does not contain REACH SVHC
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 Backshells & Clamps(1)



Circular Power Connectors(423)



Connector Contacts(6)



Connector Hardware(12)



Power Contacts(6)



Sealing Sleeves(2)

# Customers Also Bought



TE Part #206036-3 RECEPT,SZ 17-16,CPC



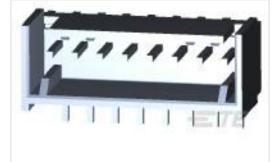
TE Part #206036-1 RECEPT,SZ 17-16 CPC



CPC SQ.FL.RCPT STD SEX



TE Part #183077-1 FREE HANG.17-16STD.SEX SRS 1



TE Part #2-644803-8 08P MTA100 SHRD HDR ASSY RA FL



TE Part #1SNG601136R0000 EP-SG-M50-LGR-A





TE Part #1445522-1 REC,8-2,FRE HNG,SM INS,STD KEY





# **Documents**



# **Product Drawings**

17-16 CPC PLUG

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_182642-1\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_182642-1\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_182642-1\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.