# 182641-1 ✔ ACTIVE

AMP | Circular Plastic Connectors Series 1, AMP Circular Plastic Connectors

TE Internal #: 182641-1

14 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Wire & Cable, Receptacle, Reverse Gender, AMP Circular Plastic Connectors

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: **14**

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 | 14 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 14 |

### Electrical Characteristics

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

### Contact Features

| | |
|---|---|
| Reverse Gender | Yes |
| Contact Type | Socket |
| Contact Protection | With |

### Mechanical Attachment

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

### 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

| | |
|---|---|
| CSA Rating | Certified |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 25 |
| Packaging Method | Bag |

## 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 2025 (250)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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

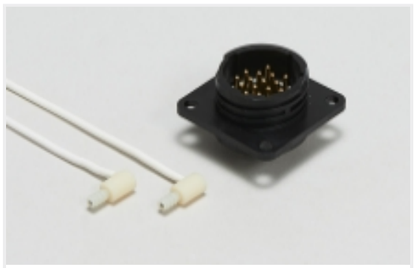


TE Part # 182649-1
17-14 CPC PLUG RS

## Also in the Series | AMP Circular Plastic Connectors



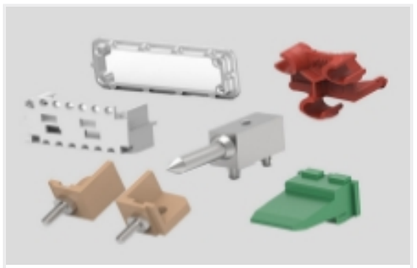
Circular Connector Backshells & Clamps(1)



Circular Power Connectors(211)



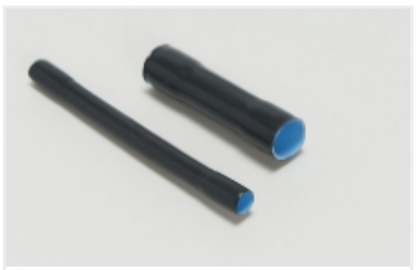
Connector Contacts(260)



Connector Hardware(10)

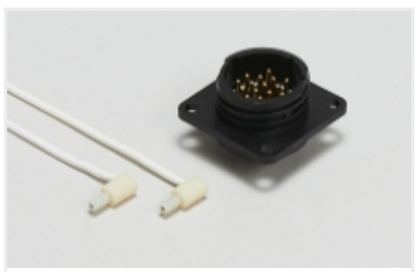


Power Contacts(260)



Sealing Sleeves(2)

## Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)

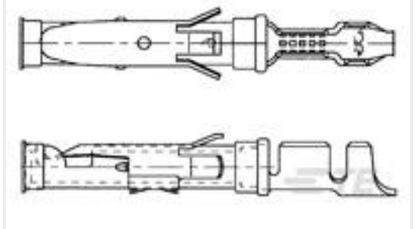


Power Contacts(260)

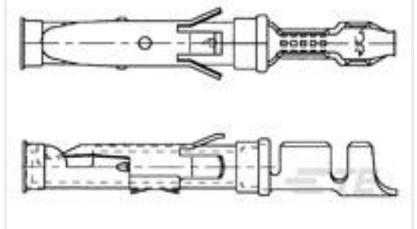
## Customers Also Bought



TE Part #1-102241-4
16 MODIV HSG COMP SR .100 POL



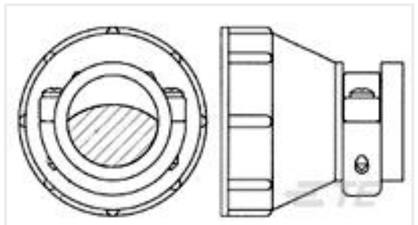
TE Part #163088-2
LOOSE PC SOCKET TYPEIII+ CONTACT SIZE16



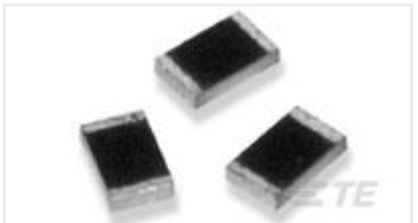
TE Part #163092-2
.062 DIA SOCKET ASSY 3+ (LP)



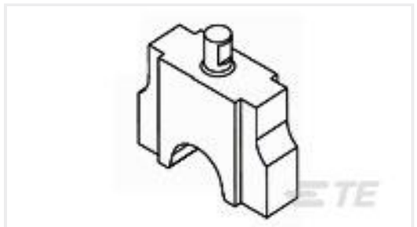
TE Part #182649-1
17-14 CPC PLUG RS



TE Part #182655-1
17 SIZE CPC STD CLAMP



TE Part #1-1625868-1
RP 2A 0.25W 301R 0.1% 25PPM 1K RL



TE Part #1901002-2
INDENTER, SOLISTRAND



TE Part #2063527-2
SDE FASTON 110 0.5-2.5mm2 DIE SET



TE Part #2217330-2
KIT, BTLI, 4 TON, EU

TE Part #ESA201M01320500000
915 PLUG

## Documents

### Product Drawings

17-14 CPC SQ FLANGE RECPT RS

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_182641-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_182641-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_182641-1_M.3d_stp.zip

English

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### Agency Approvals

UL Report

English