



AMP | AMP Circular Plastic Connectors, Circular Plastic Connectors Series 3

TE Internal #: 206037-2

3 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Wire & Cable, Plug, Socket, Power, Black, 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: **3**

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	Plug
Circular Connector Shell Type	All Plastic

**Configuration Features**

Reverse Numbering	Without
Number of Positions	3
Number of Power Positions	3
Number of Signal Positions	0

**Electrical Characteristics**

Operating Voltage	600 VAC
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**Contact Features**



Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	34 A
Contact Protection	With

#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Polarization Code	A
Panel Mount Feature Type	Flange
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	With

#### Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	PA 6.6 GF
Circular Connector Shell Size	17

#### Dimensions

Compatible Insulation Diameter Range	5.59 mm [.22 in]
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#### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Fluid Resistance	None

#### Operation/Application

Circuit Application	Power
Shielded	No

#### Industry Standards

UL Flammability Rating	UL 94V-0
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## Packaging Features

Packaging Quantity	100
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

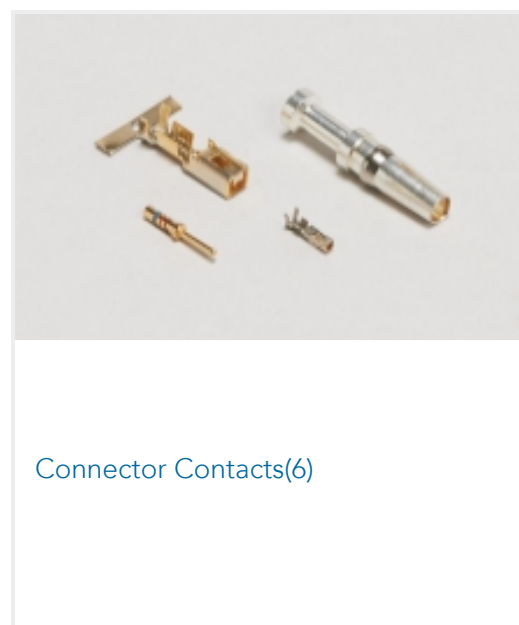
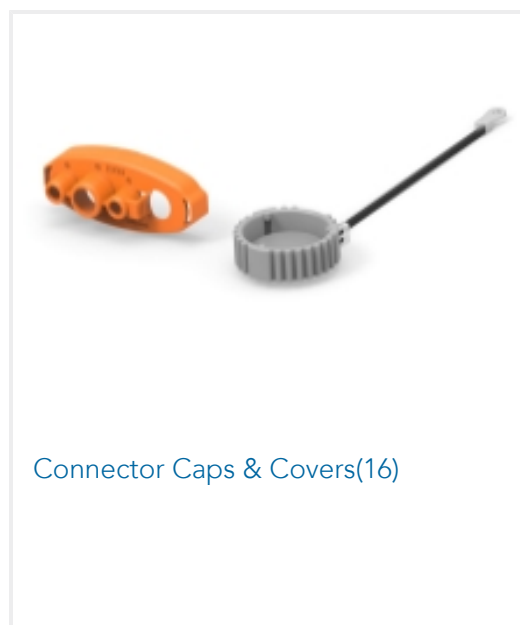
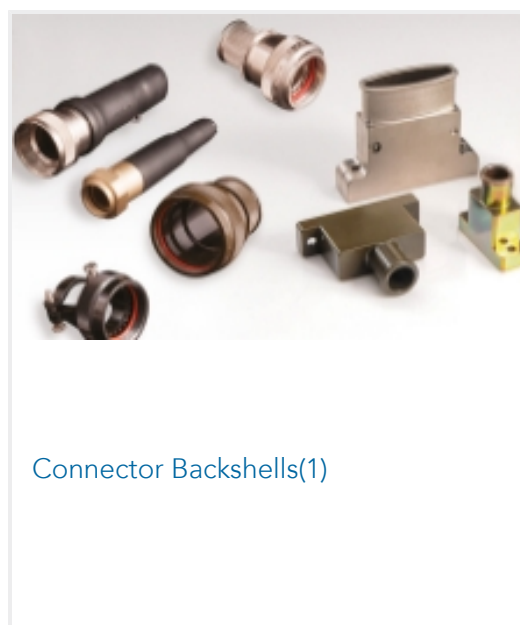
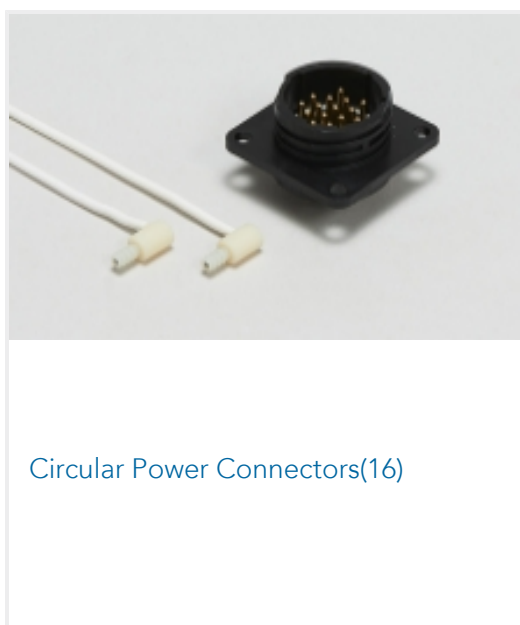
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

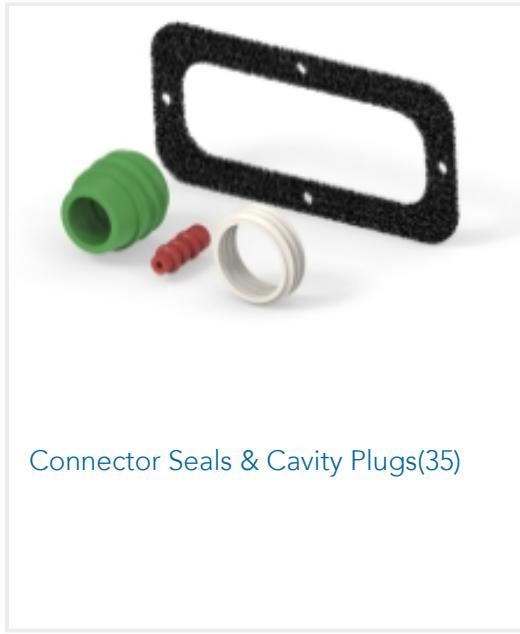
## Compatible Parts





Also in the Series | **AMP Circular Plastic Connectors**

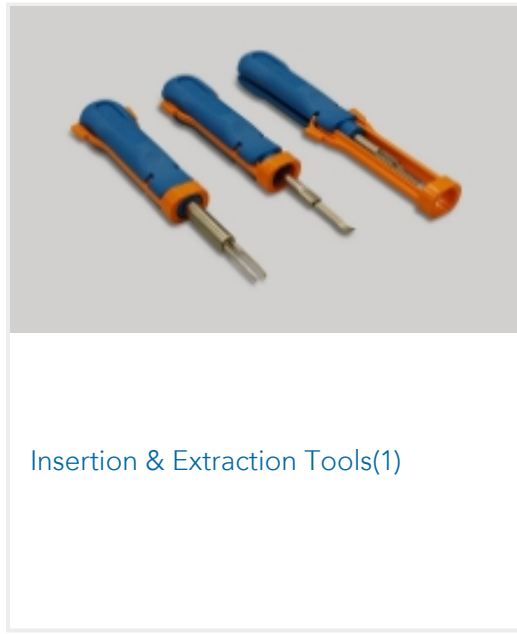




Connector Seals & Cavity Plugs(35)

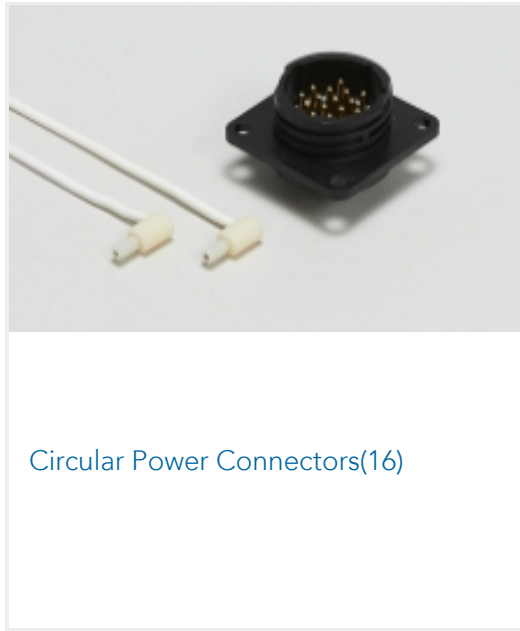


Connector Strain Relief(60)



Insertion & Extraction Tools(1)

### Also in the Series | Circular Plastic Connectors Series 3



Circular Power Connectors(16)

### Customers Also Bought



TE Part #5-51864-1  
TERMINAL,PIDG R 16-14 10



TE Part #66261-5  
MALE CONTACT ASSY. (L.P.)



TE Part #66740-2  
TYPE XII FEMALE CONT (L.P.)



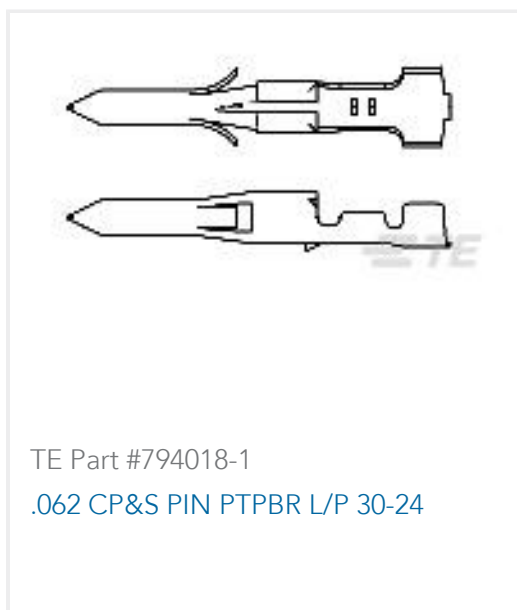
TE Part #66740-8  
TYPE XII FEMALE CONT (L.P.)



TE Part #66741-9  
TYPE XII FEMALE CONT (STRIP)



TE Part #206425-1  
17-3 RECPT. REV SEX



TE Part #794018-1  
.062 CP&S PIN PTPBR L/P 30-24



TE Part #2098253-2  
SOC, SF, SIZE 16, 14-16 AWG, NI/SN



TE Part #6609104-4  
PE0S0SS60=C1129



TE Part #444143-1  
KIT ECON 8 POSN REC



## Documents

### Product Drawings

#### CPC PLUG ASSEMBLY SIZE 17-3

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206037-2\\_S.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206037-2\\_S.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_206037-2\\_S.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### AMP Circular Connectors for Commercial Signal & Power Applications

English

#### Datasheet - CPC Protective Caps

English

#### Accessories for Circular plastic connectors

English

#### Circular Plastic Connectors Standard Cable Assemblies

English

#### [circular-plastic-connectors-catalog](#)

English

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### Product Specifications

#### Engineering Report

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

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### Agency Approvals

#### CSA Certificate

English

#### CSA Certificate

English

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