



AMP | Circular Plastic Connectors Series 1, AMP Type III+

TE Internal #: 1-66103-8

Tin (Sn), Pin Contact, 24 – 20 AWG, .2 – .6 mm<sup>2</sup> Wire, Spring Contact Retention, Size 16, Discrete Wire, Crimp, Brass, Power & Signal, AMP Type III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Tin**

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Spring**

**Features**

**Product Type Features**

|                    |                   |
|--------------------|-------------------|
| Discrete Wire Type | Solid or Stranded |
|--------------------|-------------------|

|          |    |
|----------|----|
| Sealable | No |
|----------|----|

**Configuration Features**

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

**Contact Features**

|                      |       |
|----------------------|-------|
| Contact Shape & Form | Round |
|----------------------|-------|

|                |                   |
|----------------|-------------------|
| Contact Length | 27.1 mm[1.067 in] |
|----------------|-------------------|

|             |      |
|-------------|------|
| Barrel Type | Open |
|-------------|------|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

|                                      |          |
|--------------------------------------|----------|
| Contact Mating Area Plating Material | Tin (Sn) |
|--------------------------------------|----------|

|                                                |     |
|------------------------------------------------|-----|
| Wire Contact Termination Area Plating Material | Tin |
|------------------------------------------------|-----|

|                                  |      |
|----------------------------------|------|
| Contact Retention Within Housing | With |
|----------------------------------|------|

|              |         |
|--------------|---------|
| Contact Size | Size 16 |
|--------------|---------|

|                       |       |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Contact Current Rating (Max)                          | 13 A             |
| Mating Pin Diameter                                   | 1.57 mm[.062 in] |
| Contact Mating Area Plating Material Thickness        | 1.27 μm[50 μin]  |
| Contact Mating Area Plating Material Finish           | Bright           |
| Wire Contact Termination Area Plating Thickness       | 1.27 μm[50 μin]  |
| Wire Contact Termination Area Plating Material Finish | Matte            |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Underplating Material Thickness               | 1.27 μm[50 μin]  |

### Termination Features

|                                    |              |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp        |
| Product Terminates To              | Wire & Cable |

### Mechanical Attachment

|                                       |        |
|---------------------------------------|--------|
| Contact Retention Type Within Housing | Spring |
| Wire Insulation Support               | With   |

### Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Wire Size                            | .2 – .6 mm <sup>2</sup>      |
| Compatible Insulation Diameter Range | 1.02 – 2.03 mm[.04 – .08 in] |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 90 °C[-67 – 194 °F] |
|-----------------------------|---------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Packaging Features

|                    |                     |
|--------------------|---------------------|
| Packaging Quantity | 1000                |
| Packaging Method   | Carton, Loose Piece |

### 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

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

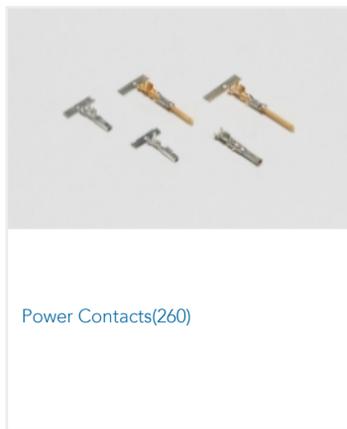
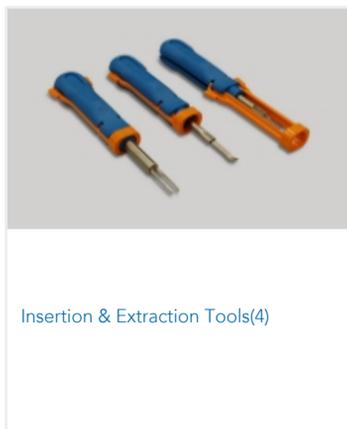
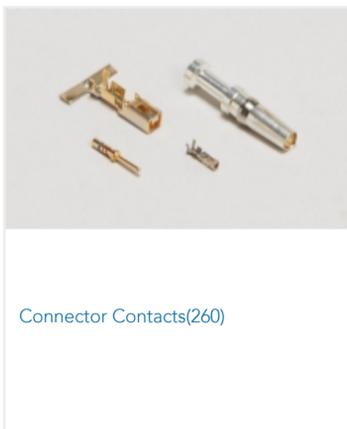
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





Also in the Series | **AMP Type III+**



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



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

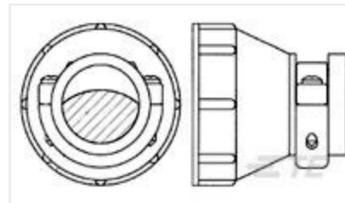
## Customers Also Bought



TE Part #3162433001  
55A1131-28-2/4/6-9



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



TE Part #182655-1  
17 SIZE CPC STD CLAMP



TE Part #206060-1  
CPC PLUG ASSEMBLY SIZE 11-4



TE Part #1-206062-4  
CABLE CLAMP KIT #11



TE Part #206305-1  
CPC PLUG ASSEMBLY SIZE 23-37



TE Part #206429-1  
CPC PLUG ASSY, 11-4, REV SEX



TE Part #206430-1  
RECPT, SZ 11-4, CPC



TE Part #211768-1  
CPC PLUG ASSEMBLY SIZE 17-9



TE Part #2363118-2  
PIN CONTACT, PLTD, PV4-S, 4.0  
SQMM

## Documents

### Product Drawings

III+ PIN,24-20,TIN,LP

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-66103-8\_AL.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-8\\_AL.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-8\\_AL.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

[Signal Contacts](#)

English

[M\\_SERIES\\_PIN\\_AND\\_SOCKET\\_CONNECTORS](#)

English

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### Product Specifications

[Application Specification](#)

English