



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

TE Internal #: 1-66109-7

Socket Contact, Tin (Sn), Spring Contact Retention, Size 16 Contact Size, Discrete Wire, 26 – 24 AWG, .12 – .2 mm² Wire, Crimp, Brass, AMP Type III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

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 Underplating Material | Nickel |
| Contact Orientation | Straight |
| Mating Pin Diameter | 1.57 mm[.062 in] |
| Contact Underplating Material Thickness | .76 µm[30 µin] |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright |
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |
| Barrel Type | Open |
| Contact Mating Area Plating Material Finish | Bright |

| | |
|--|----------|
| Contact Type | Socket |
| 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 |

Termination Features

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

Mechanical Attachment

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

Dimensions

| | |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | .89 – 1.4 mm [.035 – .055 in] |
| Wire Size | .12 – .2 mm ² |

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|---|---------|
| Compatible With Agency/Standards Products | CSA, UL |
|---|---------|

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 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | |



Current ECHA Candidate List: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

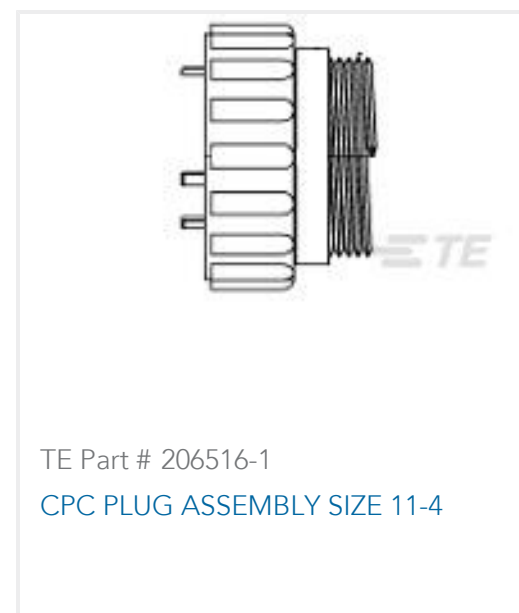
Halogen Content
Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability
Not applicable for solder process capability

Product Compliance Disclaimer

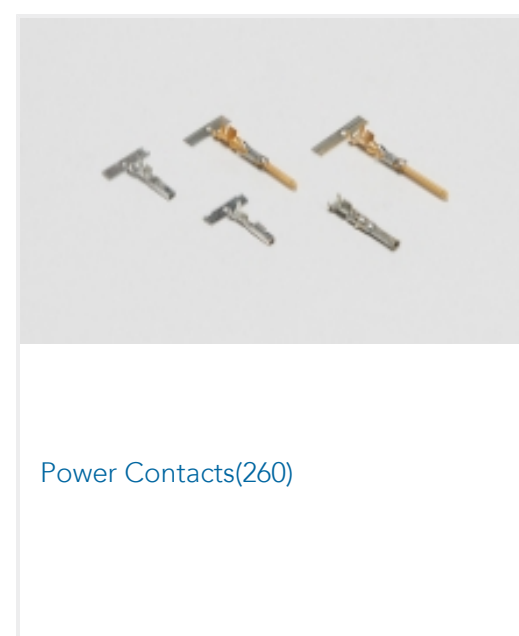
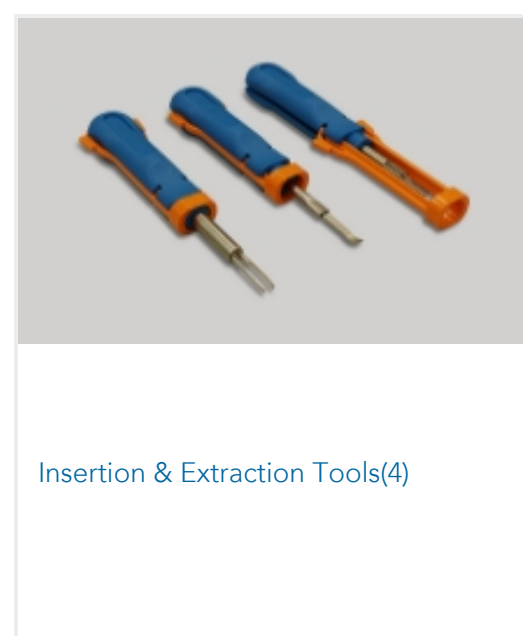
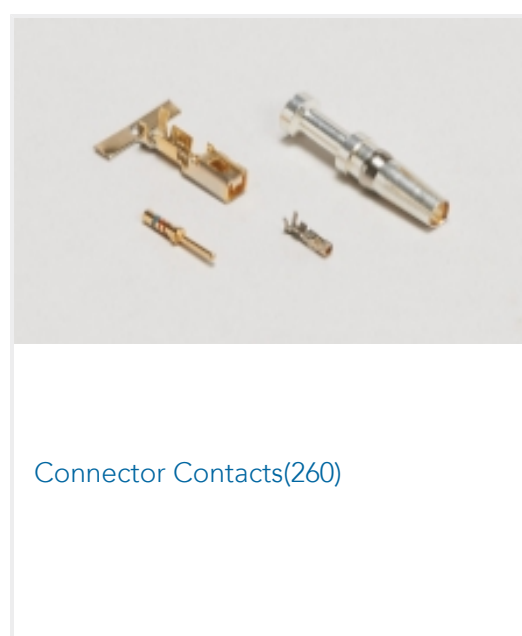
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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 #1-66105-9
III+ SKT,24-20,TIN,LP



TE Part #1-66107-2
III+ PIN,26-24,TIN,SMPACK



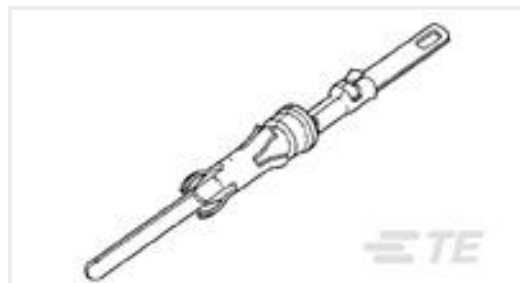
TE Part #3-641239-5
05P MTA100 CONN ASSY BLU LF



TE Part #796858-2
2 POS TERMI-BLOK PLUG RT ANGLE



TE Part #1-5499345-2
A/L UNIV HDR 64P RA SHT LAT



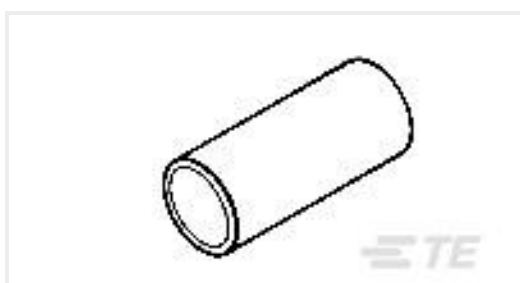
TE Part #202236-6
III+ PIN,SOLTAB,TIN,SMPAC



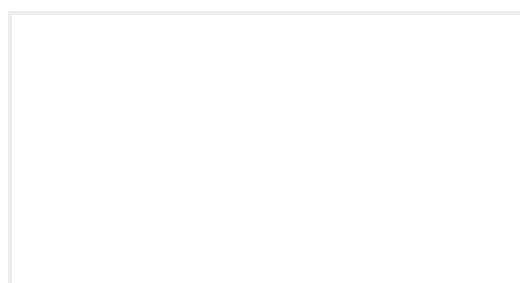
TE Part #5-2176328-5
CRGP 1206 330K 1%



TE Part #1-66107-1
III+ PIN,26-24,TIN,LP



TE Part #1-332056-0
FERRULE, SUB MIN



TE Part #679942-1
SPRING

Documents

Product Drawings

III+ SKT,26-24,TIN,LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66109-7_W.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1-66109-7_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-66109-7_W.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

[M_SERIES_PIN_AND_SOCKET_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English