

66103-3 ✓ ACTIVE

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

TE Internal #: 66103-3

Pin Contact, Gold (Au), Locking Spring Contact Retention, Size 16
Contact Size, Discrete Wire, 24 – 20 AWG, .2 – .6 mm² Wire, Crimp,
AMP Type III+

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold (Au)**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking 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 | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Round |
| Contact Length | 27.1 mm[1.067 in] |
| Contact Mating Area Length | 9.91 mm[.39 in] |

| | |
|---|-----------------|
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |
| Barrel Type | Open |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Type | Pin |
| Contact Mating Area Plating Material | Gold (Au) |
| 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 | Locking Spring |

Dimensions

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

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °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 | 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



TE Part # 206708-1
CPC PLUG ASSEMBLY SIZE 13-9



TE Part # 208718-1
CMC PLUG ASSEMBLY, SZ 14-5



TE Part # 208470-1
CMC PLUG ASSEMBLY, SZ 28



TE Part # 211400-1
CPC PLUG ASSEMBLY SIZE 13-7



TE Part # 213848-1
CPC PLUG ASSEMBLY SIZE 23-37



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



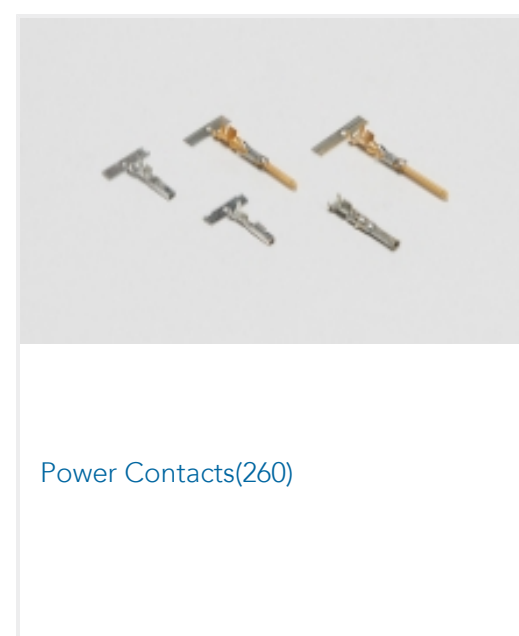
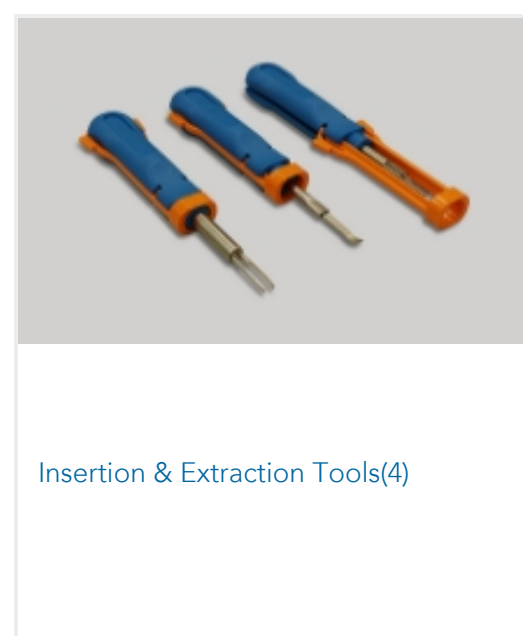
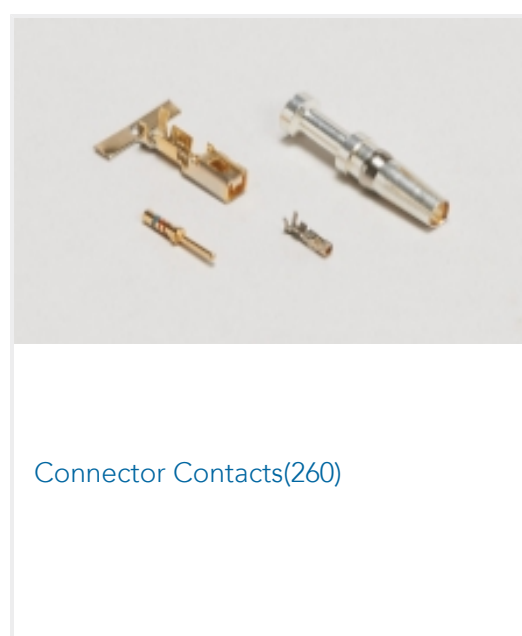
TE Part # 208457-1
CMC PLUG ASSEMBLY, SZ 28-24



TE Part # 206837-1
CPC PLUG ASSEMBLY SIZE 23-24



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 #1-350524-9
24P STR/REL HNGD BLK



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #206061-1
RECPT, SZ 11-4, CPC



TE Part #3-2176524-4
3503G 2B 1K21 1% 1K RL



TE Part #66361-3
III+ PIN,18-14,15AU/FL,LP



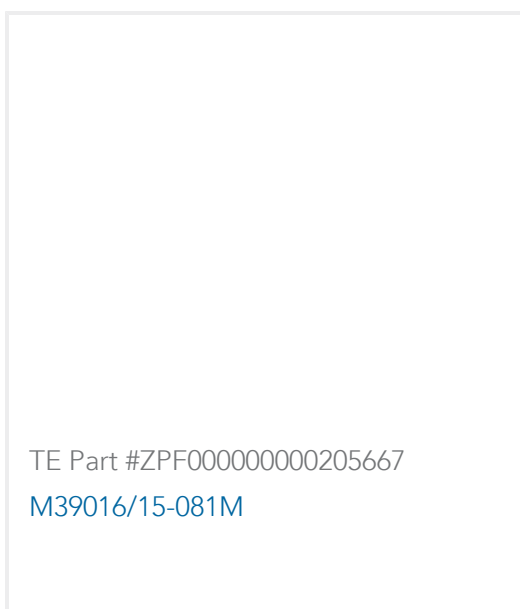
TE Part #211769-3
17-9 CPC RECEPT REV SEX



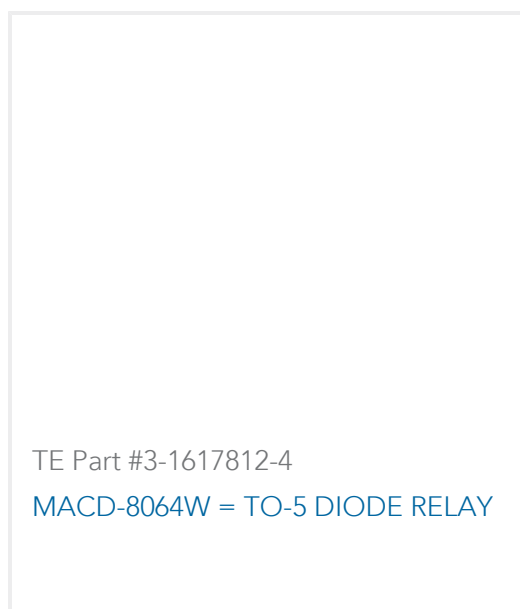
TE Part #206060-1
CPC PLUG ASSEMBLY SIZE 11-4



TE Part #385630-000
TTMS-38.1-0



TE Part #ZPF000000000205667
M39016/15-081M



TE Part #3-1617812-4
MACD-8064W = TO-5 DIODE RELAY

Documents

Product Drawings

III+ PIN,24-20,15AU/FL,LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_66103-3_AL.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_66103-3_AL.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66103-3_AL.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

[Signal Contacts](#)

English

[M_SERIES_PIN_AND_SOCKET_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

Japanese

[Instruction Sheet \(U.S.\)](#)

English