# 66102-8 ✔ ACTIVE

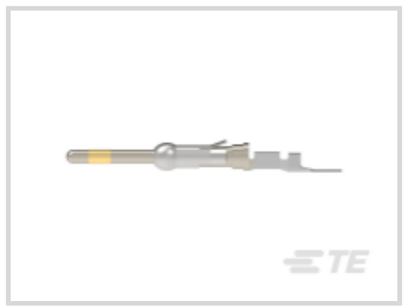
AMP | AMP Type III+, Circular Plastic Connectors Series 1

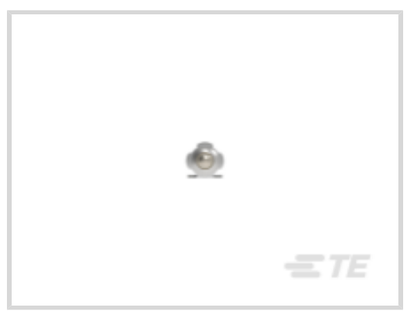
TE Internal #: 66102-8

Gold (Au), Pin Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Locking Spring Contact Retention, Size 16, Discrete Wire, Crimp, Brass, 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 Shape & Form | Round |
| Contact Length | 27.1 mm[1.067 in] |
| Contact Mating Area Length | 9.91 mm[.39 in] |
| Barrel Type | Open |
| 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 |
| Mating Pin Diameter | 1.57 mm[.062 in] |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright |
| 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 | Locking Spring |
| Wire Insulation Support | With |

### Dimensions

| | |
|---|---|
| Wire Size | .2 – .6 mm² |
| Compatible Insulation Diameter Range | 1.02 – 2.03 mm[.04 – .08 in] |

### Usage Conditions

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

### Operation/Application

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 4000 |
| Packaging Method | Reel |

## 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: JUNE 2025 (250)<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 # 1-305183-1
EXTRACT TOOL MATE-N-LOK P



TE Part # 5-2151016-1
OCEAN_2.0_APPLICATOR-S-062F090O-RSM



TE Part # 1977884-1
SLD CPC PLUG ASSY,13-9,STD SEX, UV RESIS



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 796288-1
PLUG.ASSY,23-37STD SEX THRD AD



TE Part # 796450-1
PLUG ASSY,CPC,17-9,REV SEX



TE Part # 796449-1
PLUG ASSY,CPC,17-14,REV SEX

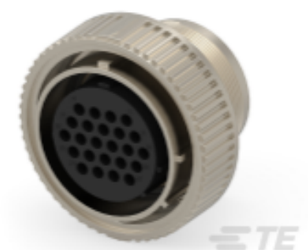


TE Part # 2151016-2
OCEAN_2.0_APPLICATOR-S-062F090OA-RSA



TE Part # 2151016-1

OCEAN_2.0_APPLICATOR-S-062F090O-RSM



TE Part # 208457-3

CMC PLUG ASSEMBLY,SZ 28-24



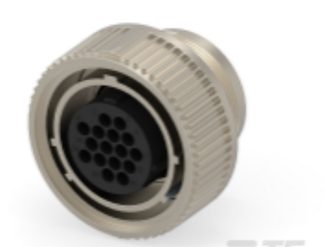
TE Part # 208714-1

CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 213851-1

CPC PLUG ASSEMBLY SIZE 23-24



TE Part # 208488-1

CMC PLUG ASSEMBLY,SZ 22



TE Part # 539972-1

EXTRACTION TOOL



TE Part # 58495-2

PROCRIMPER DIE ASSY MULTIMATE



TE Part # 208488-3

CMC PLUG ASSEMBLY,SZ 22



TE Part # 305183

EXTRACT TOOL TYPE 2 20-16



TE Part # 208714-2

CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 213852-1

CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 211766-1

CPC PLUG ASSEMBLY SIZE 17-9

## Also in the Series | AMP Type III+



Connector Contacts(260)

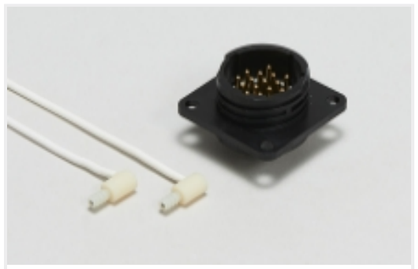


Insertion & Extraction Tools(4)



Power Contacts(260)

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



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

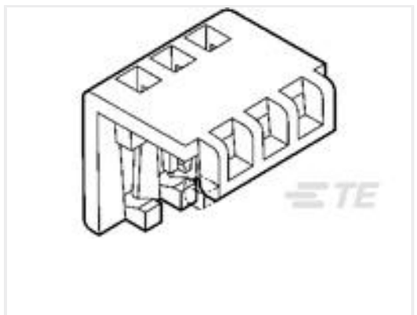
## Customers Also Bought



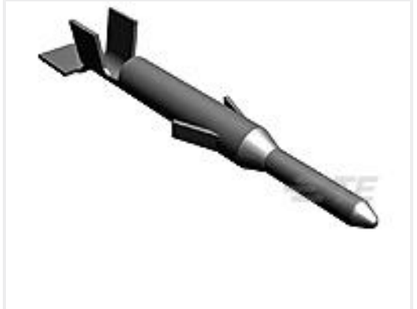

TE Part #CAT-T3437-Z1
Z-Type Push-On Markers



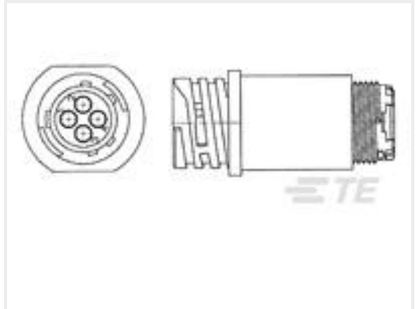
TE Part #552731-1
KIT, 90 COVER, 50 POS



TE Part #1-643075-6
16P MTA100 MOLDED COVER



TE Part #794440-1
MINI UMNL PIN SN 22-18 AWG



TE Part #796273-1
SLD CPC RCPT ASSY,17-14,REV SX



TE Part #1-1623821-1
CFH 1100 5R6 5% 300mm Leads

TE Part #1902937-1
C/A, BATTERY, BLUNT CUT, 24 IN LONG

## Documents

### CAD Files

Customer View Model

ENG_CVM_CVM_66102-8_BB.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_66102-8_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_66102-8_BB.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