# 1-66099-3 ✔ ACTIVE

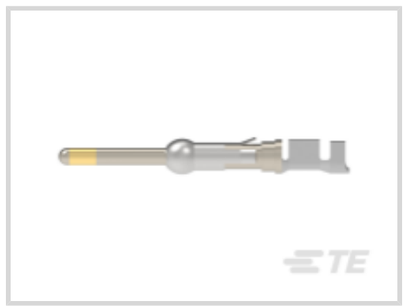
AMP | AMP Type III+, Circular Plastic Connectors Series 1

TE Internal #: 1-66099-3

Gold (Au), Pin Contact, 18 – 16 AWG, .8 – 1.4 mm² Wire, Snap-In Contact Retention, Size 16, Crimp, Brass, Power & Signal, 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: **Snap-In**

## Features

### Contact Features

| | |
|---|---|
| Contact Shape & Form | Round |
| 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 | Snap-In |
| Wire Insulation Support | With |

### Dimensions

| | |
|---|---|
| Wire Size | .8 – 1.4 mm² |
| Compatible Insulation Diameter Range | 2.03 – 2.54 mm[.08 – .1 in] |

### Usage Conditions

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

### Operation/Application

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 100 |
| Packaging Method | Box, 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)<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 # 169400
CERTI-LOK FRAME W/O DIES



TE Part # 305183
EXTRACT TOOL TYPE 2 20-16



TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE



TE Part # 91505-1
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-2
PROCRIMPER DIE ASSY MULTIMATE



TE Part # 539972-1
EXTRACTION TOOL



TE Part # 200893-2
INSERTION TOOL CONT

## Also in the Series | AMP Type III+



Connector Contacts(260)

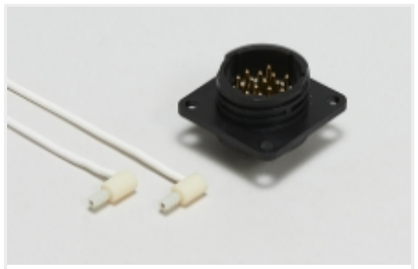


Insertion & Extraction Tools(4)



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



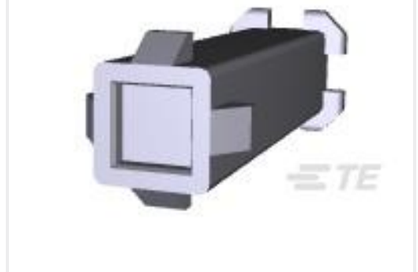
TE Part #T4113512041-000
M12 M, 4P GOLD D_CODE RA SHIELDED PG9



TE Part #818017-SF
FN3288-20-33-C26-R65



TE Part #52042-3
TERMINAL,R PG 6 1/4



TE Part #172327-1
UNIV M-N-L HSG



TE Part #172335-1
MINI UMNL PLUG HOUSING 1P



TE Part #696427-1
SPLICE BUTT PVF2 PIDG 22-16



TE Part #CAT-104CST-RCPHS
Receptacle Housing: 2.54mm, 1 Row, CST-100 II



TE Part #2083112-4
CABLE ASSY IND. USB-IND. USB TYPE A



TE Part #5787246-1
HDR ASY,RA,LKEY,STR TAIL,10.8V

## Documents

### CAD Files

Customer View Model

ENG_CVM_CVM_1-66099-3_AE.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66099-3_AE.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_1-66099-3_AE.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English