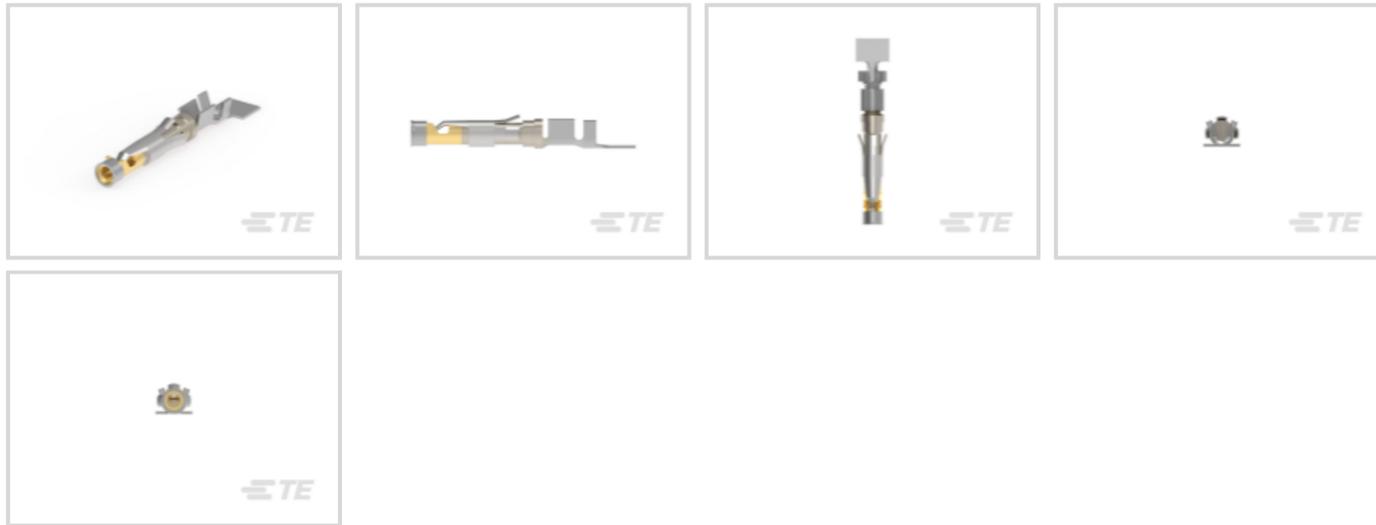# 66100-8 ✔ ACTIVE

[AMP](#) | [AMP Type III+](#)
TE Internal #: 66100-8
Socket Contact, Gold, Size 16 Contact Size, 18 - 16 AWG Wire Size, .8 - 1.4 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts > Strip Pin and Socket Contacts, Type III







Contact Type:  **Socket**

Contact Mating Area Plating Material:  **Gold**

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

Contact Retention Within Housing:  **With**

Contact Size:  **Size 16**

[All Strip Pin and Socket Contacts, Type III (55)](#)

## Features

### Contact Features

| | |
|---|---|
| Mating Pin Diameter | 1.57 mm[.062 in] |
| Contact Underplating Material Thickness | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Gold |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Retention Within Housing | With |
| Contact Size | Size 16 |
| Contact Base Material | Brass |

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| | |
|---|---|
| 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 |

## Dimensions

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

## 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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

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Socket Contact, Gold, Size 16 Contact Size, 18 - 16 AWG Wire Size, .8 - 1.4 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

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 # CAT-AM71-C83998C
Circular Plastic Connector, CMC Series 1

TE Part # CAT-AM71-C83998Y
One-Piece Connector, Sealed, CPC Series 1

TE Part # CAT-AM71-C83998J
Cable/Panel Mount Connector, CPC Series 1

TE Part # CAT-AM71-C83998K
Circular Connector, Environmentally Sealed, CPC Series 6

TE Part # 58495-2
PROCRIMPER DIE ASSY MULTIMATE

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

TE Part # 200893-2
INSERTION TOOL CONT

TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE

TE Part # 539972-1
EXTRACTION TOOL

TE Part # 305183
EXTRACT TOOL TYPE 2 20-16

TE Part # 2151023-1
OCEAN_2.0_Applicator-S-080F120O-RSM

TE Part # 2151023-2
OCEAN_2.0_Applicator-S-080F120O-RSA

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

TE Part # 5-2151023-1
OCEAN_2.0_Applicator-S-080F120O-RSM

TE Part # 5-2151023-2
OCEAN_2.0_Applicator-S-080F120O-RSA

TE Part # 7-2151023-7
OCEAN_2.0_SPARE_PART_KIT-080F120O

Socket Contact, Gold, Size 16 Contact Size, 18 - 16 AWG Wire Size, .8 - 1.4 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

TE Part # 7-2266601-7
OC-080F120O-752-CRIMPTOOLINGKIT

TE Part # 7-2151023-1
OCEAN_2.0_Applicator-S-080F120O

TE Part # 7-2151023-2
OCEAN_2.0_Applicator-S-080F120O

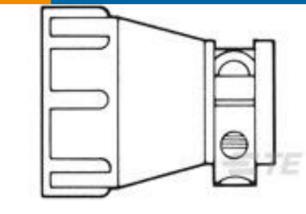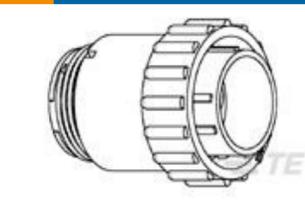## Also in the Series | AMP Type III+

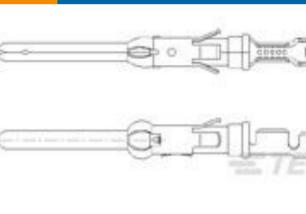Connector Contacts(409)

Insertion & Extraction Tools(4)

## Customers Also Bought

TE Part # 1-206062-7
CABLE CLAMP KIT, BULK PKG
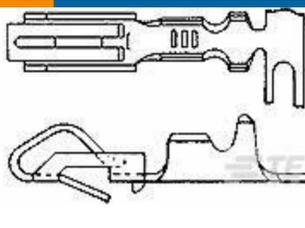
TE Part # 788188-2
CPC 17-3 PLUG ASY,REV SEX

TE Part # 163081-7
.062 DIA PIN ASSY 3+

TE Part # 1-1419168-1
MARKET 1X6 FEMALE SEALED

TE Part # 6-66460-4
PIN,.062 DIA,.025 SQ POST,LP

TE Part # 61668-4
BIF-LEAF CONT CR/SNAP AUPHBZ

TE Part # 444496-1
HSG ASS'Y 2 POSN JR POWER

TE Part # 964284-2
JPT A REC 2.8 Contact SRC Sn

TE Part # 1-206070-1
CABLE CLAMP KIT #17

TE Part # 735222-1
FF 250 REC 1.0-2.5 MM2 0.32X19.30 BR

66100-8

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## Documents

### Product Drawings

III+ SKT,18-16,15AU/FL,STRIP

English

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### CAD Files

Customer View Model

ENG_CVM_CVM_66100-8_BJ.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_66100-8_BJ.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_66100-8_BJ.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

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### Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English

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### Agency Approvals

Agency Approval Document

English

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