

66100-8 ✓ ACTIVE

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

TE Internal #: 66100-8

Gold (Au), Socket Contact, 18 – 16 AWG, .8 – 1.4 mm<sup>2</sup> Wire,  
Locking Spring Contact Retention, Size 16, Discrete Wire, Crimp,  
Brass, AMP Type III+

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

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
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### Contact Features

Barrel Type	Open
Contact Type	Socket
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]
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Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]
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Wire Contact Termination Area Plating Material Finish	Bright
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Contact Orientation	Straight
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Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	.76 μm[30 μin]
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### Termination Features

Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Spring
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Wire Insulation Support	With
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### Dimensions

Wire Size	.8 – 1.4 mm <sup>2</sup>
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Compatible Insulation Diameter Range	2.03 – 2.54 mm[.08 – .1 in]
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### Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Quantity	4000
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Packaging Method	Reel
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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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



**KIT**  
REPRESENTATION ONLY

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



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



TE Part # 213851-1  
CPC PLUG ASSEMBLY SIZE 23-24



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



TE Part # 539972-1  
EXTRACTION TOOL



TE Part # 58495-2  
PROCRIMPER DIE ASSY MULTIMATE



TE Part # 208457-3  
CMC PLUG ASSEMBLY,SZ 28-24



TE Part # 208488-1  
CMC PLUG ASSEMBLY,SZ 22



TE Part # 208714-1  
CMC PLUG ASSEMBLY,SZ 14-7



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



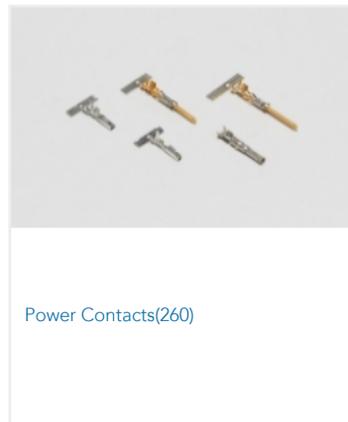
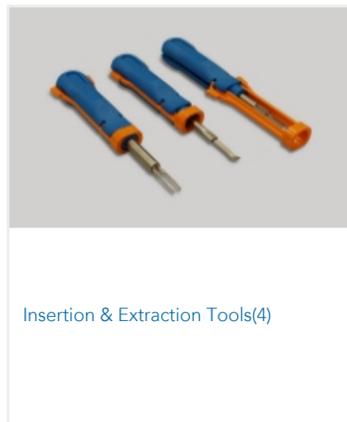
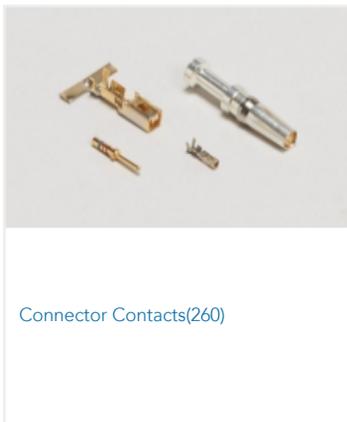
TE Part # 796288-1  
PLUG.ASSY,23-37STD SEX THRD AD



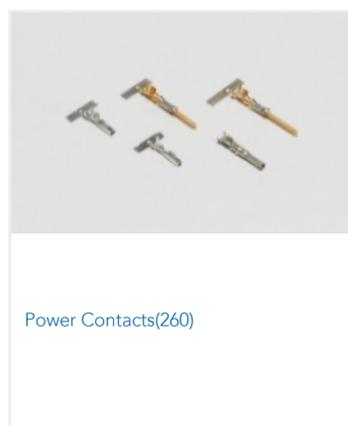
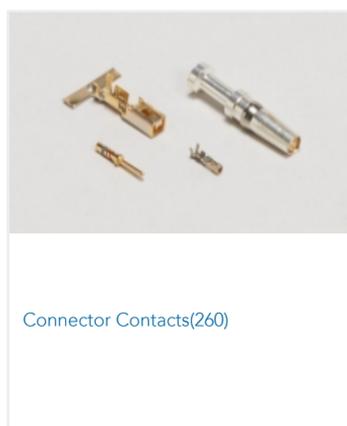
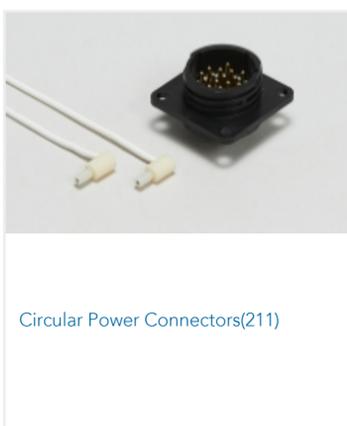
TE Part # 796450-1  
PLUG ASSY,CPC,17-9,REV SEX



Also in the Series | **AMP Type III+**



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



Customers Also Bought



TE Part #52454-1  
PG SPR SPD 22-16COMM 22-18MIL8



TE Part #66098-8  
III+ PIN,18-16,15AU/FL,STRIP



TE Part #183075-1  
SQUARE FLG.23-24STD.SEX SRS 1



TE Part #1-201692-6  
CNTR FASTENER PLUG BLOCK,104P



TE Part #202119-2  
PIN HOOD



TE Part #202169-1  
M-SERIES HALF SHIELD KIT



TE Part #202173-7  
104 CTR. FASTNR. GUIDE PIN ASY



TE Part #202174-4  
GUIDE SOC. ASSY. 104 CTR. FSTN



TE Part #745255-2  
SPRING LATCH 2/BAG



TE Part #966658-2  
32pos MQS .63 header 180deg

## Documents

### Product Drawings

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

English

### 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.

## 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