

66100-9 ✓ ACTIVE

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

TE Internal #: 66100-9

Gold (Au), Socket Contact, 18 – 16 AWG, .8 – 1.4 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: **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	.76 μm[30 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 ²
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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
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

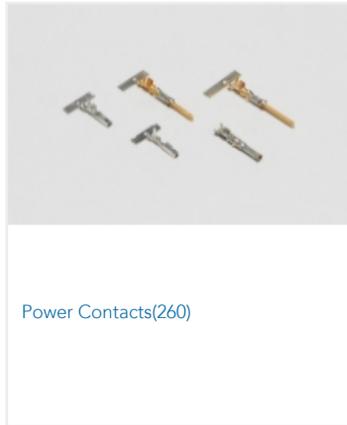
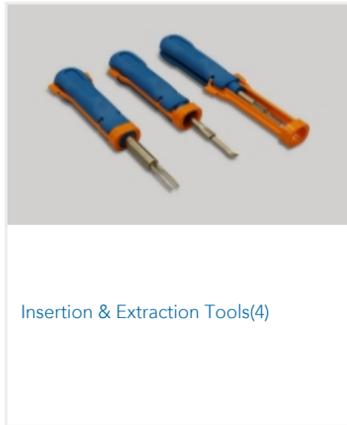
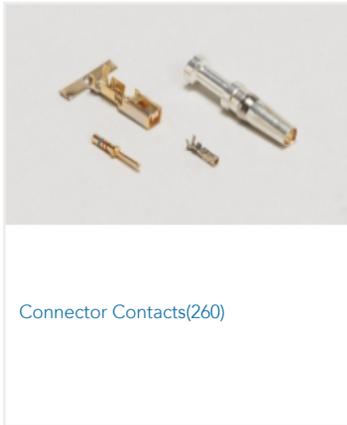
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

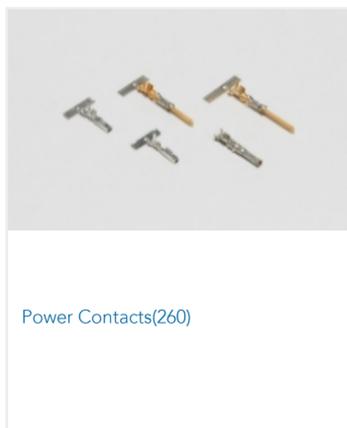
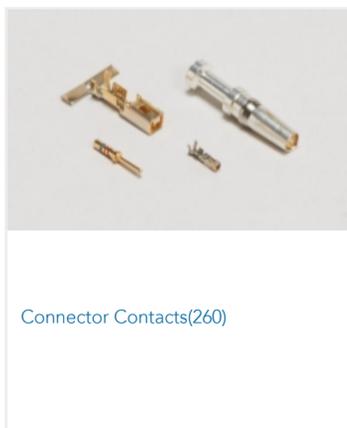
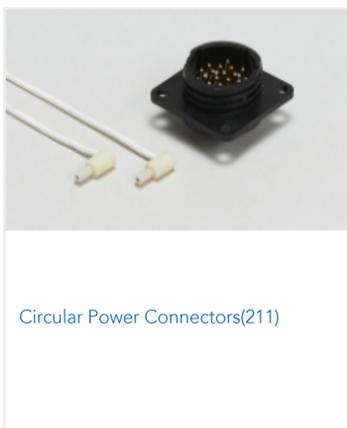
 <p>TE Part # 211768-1 CPC PLUG ASSEMBLY SIZE 17-9</p>	 <p>TE Part # 211400-1 CPC PLUG ASSEMBLY SIZE 13-7</p>	 <p>TE Part # 213850-1 CPC PLUG ASSEMBLY SIZE 23-37</p>	 <p>TE Part # 206044-1 CPC PLUG ASSEMBLY SIZE 17-14</p>
 <p>TE Part # 2151023-1 OCEAN_2.0_Applicator-S-080F1200-RSM</p>	 <p>TE Part # 208718-1 CMC PLUG ASSEMBLY,SZ 14-5</p>	 <p>TE Part # 206150-1 CPC PLUG ASSEMBLY SIZE 23-37</p>	 <p>TE Part # 208457-1 CMC PLUG ASSEMBLY,SZ 28-24</p>
 <p>TE Part # 213848-1 CPC PLUG ASSEMBLY SIZE 23-37</p>	 <p>TE Part # 213973-1 METRIMATE 30P PLUG HOUSING</p>	 <p>TE Part # 206429-1 CPC PLUG ASSY, 11-4, REV SEX</p>	 <p>TE Part # 208470-1 CMC PLUG ASSEMBLY,SZ 28</p>



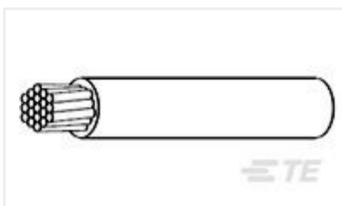
Also in the Series | **AMP Type III+**



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



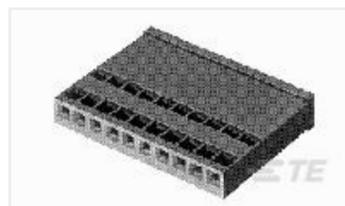
Customers Also Bought



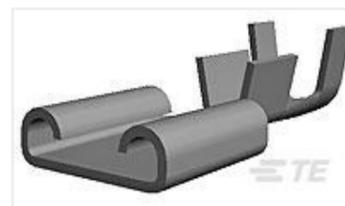
TE Part #783865-000
FLTWC0311-22-6



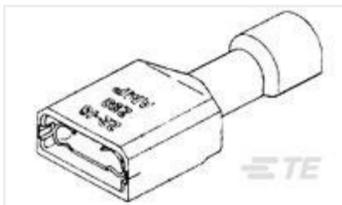
TE Part #53942-2
TERMINAL,PIDG R 16-14 10



TE Part #1-87175-8
08 LOCKING CLIP HSG SR .100CL



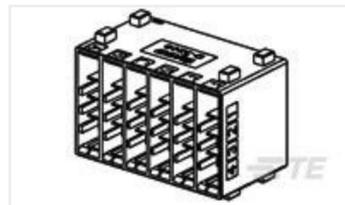
TE Part #180363-2
250 FASTON,REC.,12-10 AWG,TPBR



TE Part #2-520263-4
ULTRA-FAST 250 ASY REC 22-18 TPBR



TE Part #2-747579-7
SHLDING FERRULE,PLTD TIN,BULK



TE Part #1-1827691-3
DYNATAP 3200 TAP ASSY 24P
BOTTOM-MT TIN



TE Part #2-2176489-1
HCL130 70W 150R 5% Cable 150mm



TE Part #1-2176490-7
HCL165 100W 100R 5% Cable 150mm



TE Part #6609020-6
3EB3=F7103 S0

Documents

Product Drawings

III+ SKT,18-16,30AU/FL,STRIP

English

CAD Files

Customer View Model

[ENG_CVM_CVM_66100-9_BJ.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_66100-9_BJ.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66100-9_BJ.3d_stp.zip](#)

English

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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

[Product Specifications](#)

[Application Specification](#)

English

[Instruction Sheets](#)

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

Japanese

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

English

[Agency Approvals](#)

[Agency Approval Document](#)

English