



AMP | AMP Type IV

TE Internal #: 66580-2

Tin (Sn), Socket Contact, 18 – 16 AWG, 250 VAC, 250 VDC, .8 – 1.4 mm² Wire, Size 16, Crimp, Brass, Power, -55 – 90 °C [-67 – 194 °F], AMP Type IV

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Operating Voltage: **250 VDC**

Features

Product Type Features

Sealable	No
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Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	1.8 A
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	1.02 µm[40 µin]
Contact Mating Area Plating Material Finish	Semi-Bright
Wire Contact Termination Area Plating Thickness	1 – 3 µm[40 – 118 µin]



Wire Contact Termination Area Plating Material Finish	Bright
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Contact Orientation	Straight
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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

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 – 90 °C [-67 – 194 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Method	Strip
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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



Also in the Series | **AMP Type IV**

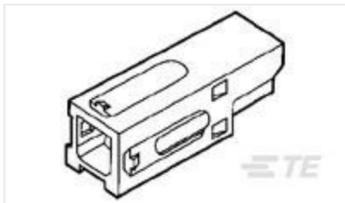
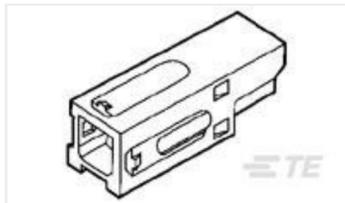
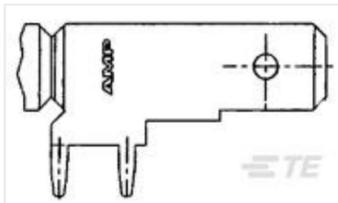
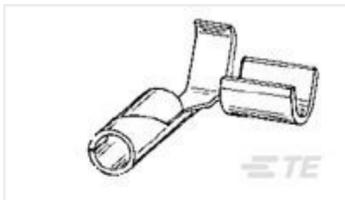
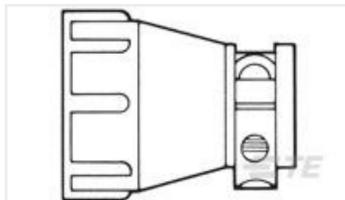
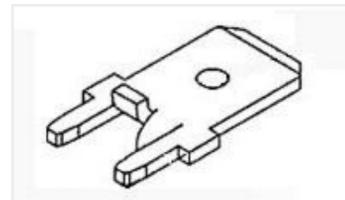
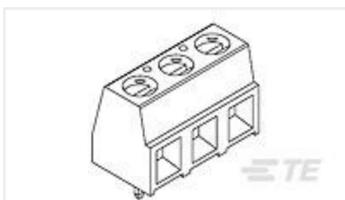


Connector Contacts(47)



Power Contacts(47)

Customers Also Bought

TE Part #53894-1
HSG ASSY,PWR LK,SRS1,1 POS,WHTTE Part #53894-6
HSG ASSY,PWR LK,SRS1,1 POS,BLUTE Part #63951-1
250 FASTON TAB TPBRTE Part #160484-4
110 FASTON,REC.,20-17 AWG,BRTE Part #160784-3
REC.FOR 2,5 DIA PINTE Part #1-206062-5
CABLE CLAMP KIT, BULK PKGTE Part #4-1625885-3
1W SM M/OX 5% 220KTE Part #1742686-1
250 FASTON,PCB TAB,TCBRTE Part #1776119-2
2P TERMI-BLOK,PCB,HIGH TEMPTE Part #6-1879354-9
RR03 5% 220R AMMO

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_66580-2_AN_c-66580-2-an.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66580-2_AN_c-66580-2-an.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_66580-2_AN_c-66580-2-an.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English

Instruction Sheets

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

Japanese

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

English

Agency Approvals

[Agency Approval Document](#)

English