66590-1 ✔ ACTIVE

AMP | AMP Type IV

TE Internal #: 66590-1

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

Electrical Characteristics

Operating Voltage	250 VDC

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
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

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

Packaging Features

Packaging Method	Carton

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 91523-1
CCII TYPE III+ PIN SKT 24-16 ASSY



TE Part # 58495-2
PROCRIMPER DIE ASSY MULTIMATE



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



TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE

Also in the Series | AMP Type IV



Connector Contacts(47)

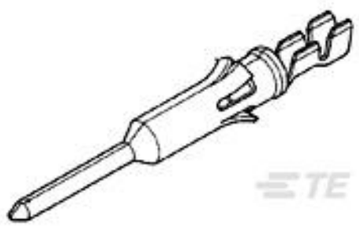


Power Contacts(47)

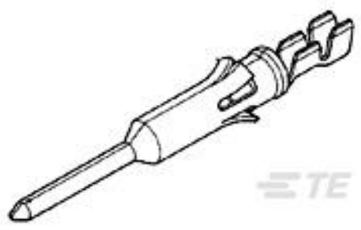
Customers Also Bought



TE Part #800626-SF
FN2070-12-06



TE Part #1-66583-0
TYPE VI PIN,MULTI-MATE



TE Part #66589-4
TYPE VI PIN,MULTI-MATE,L.P.



TE Part #207603-1
METRIMATE,STR REL KIT,18P



TE Part #2-320665-1
PG SPD 22-16 COMM 22-18 MIL 6



TE Part #350538-7
UMNL PIN 20-14 AU/NI/BR



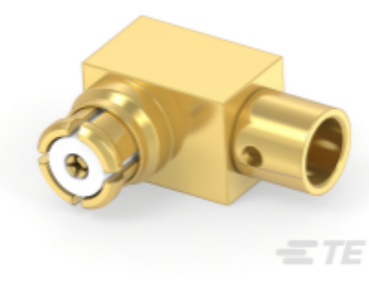
TE Part #3-640431-2
02P MTA156 CONN ASSY 18AWG ORA



TE Part #3-1393253-4
W68-X2Q12-20=M6/M7/M9/W6/W7



TE Part #3-1393253-7
W68-X2Q12-30=M6/M7/M9/W6/W7



TE Part #2406869-1
SMP JACK RA FOR TFLEX-405 CABLE

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_66590-1_N.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_66590-1_N.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_66590-1_N.3d_stp.zip

English

3D PDF

English

Customer View Model
ENG_CVM_CVM_66590-1_G.2d_dxf.zip

English

Customer View Model
ENG_CVM_66590-1_G.3d_igs.zip

English

Customer View Model
ENG_CVM_66590-1_G.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