

1-583616-0 ✓ ACTIVE

AMP | AMP Twin-Leaf

TE Internal #: 1-583616-0

Gold (Au), Socket Contact, 28 – 24 AWG, .08 – .24 mm² Wire,
Locking Lance Contact Retention, 159.8 – 642.4 CMA, Discrete
Wire, Crimp, AMP Twin-Leaf

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **Gold Flash**

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Lance**

Features

Product Type Features

Discrete Wire Type	Stranded
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Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Contact Features

Contact Length	17.27 mm[.68 in]
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PCB Contact Termination Area Plating Material	Gold Flash
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Barrel Type	Open
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Contact Type	Socket
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Contact Mating Area Plating Material	Gold (Au)
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Wire Contact Termination Area Plating Material	Gold Flash
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Contact Retention Within Housing	With
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	5 A
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Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
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Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.76 µm[30 µin]

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	With

Dimensions

Wire Size	159.8 – 642.4 CMA
Compatible Insulation Diameter Range	.89 – 1.4 mm[.035 – .055 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Contact Color Code	Orange
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Packaging Features

Packaging Quantity	7000
Packaging Method	Reel & Box

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

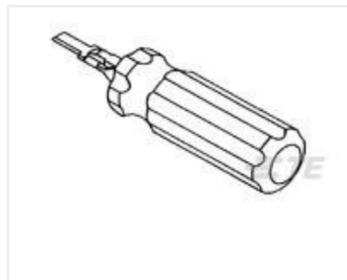
Product Compliance Disclaimer

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 # 2151967-2
OCEAN_2.0_Applicator-S-042F062O-RSA



TE Part # 91073-1
TW LF EXT TOOL



TE Part # 7-2151967-7
OCEAN_2.0_SPARE_PART_KIT-042F062O

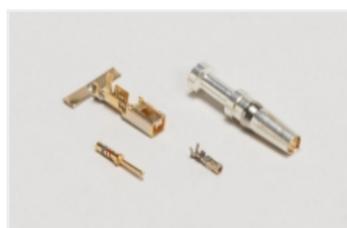


TE Part # 2151967-1
OCEAN_2.0_Applicator-S-042F062O-RSM

Also in the Series | AMP Twin-Leaf



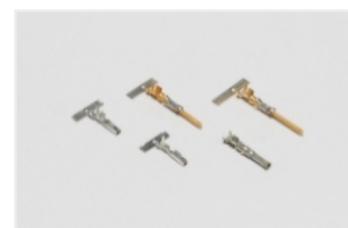
Card Edge Connector Housings(17)



Connector Contacts(9)



Insertion & Extraction Tools(1)

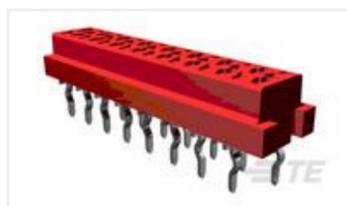


Power Contacts(9)

Customers Also Bought



TE Part #52422-3
TERM,PIDG, SPR SPD, 16-14, #10, T&R



TE Part #7-215079-6
MICRO-MATCH FOB.06P



TE Part #7-215083-6
MICRO-MATCH MOW.06P



TE Part #770678-1
SEAL PLUG, AMPSEAL



TE Part #776087-5
23POS, PIN DIA 1.3, HDR ASSY, 90DEG,
COD 5



TE Part #2-1393219-2
PE514024



TE Part #4-1437565-2
FSM4JSMATR=TACT SWITCH 6X6MIL



TE Part #6-1879208-8
CPF 0402 6K2 0.1% 25PPM 1K RL



TE Part #2176157-5
TLM 2010 0.75W R022 5% 100PPM 4K
RL



TE Part #3-1437137-4
FSN-21.5A-10=NOMEX FS STD

Documents

Product Drawings

[CONT.CRP.SNAP TW.LF. STRIP](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-583616-0_BM.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-583616-0_BM.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-583616-0_BM.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English