1-583616-0 ✔ ACTIVE

AMP | AMP Twin-Leaf

TE Internal #: 1-583616-0

Socket Contact, Gold, Locking Lance Contact Retention, 28 – 24 AWG Wire Size, .08 – .24 mm² Wire Size, 159.8 – 642.4 CMA Wire Size, AMP Twin-Leaf

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

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

Contact Retention Within Housing: **With**

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

Features

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Gold Flash
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	5 A

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance

Dimensions

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

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Contact Color Code	Orange

Packaging Features

Packaging Quantity	7000
Packaging Method	Strip

Product Compliance

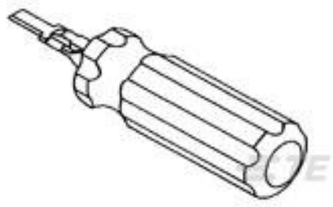
For compliance documentation, visit the product page on TE.com>

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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 # 91073-1
TW LF EXT TOOL



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



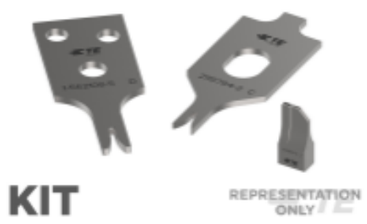
TE Part # 2151967-2
OCEAN_2.0_Applicator-S-042F062O



TE Part # 7-2151967-1
OCEAN_2.0_Applicator-S-042F062O



TE Part # 7-2151967-2
OCEAN_2.0_Applicator-S-042F062O



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

Also in the Series | AMP Twin-Leaf



Connector Contacts(15)



Insertion & Extraction Tools(1)



Wire-to-Board Connector Assemblies & Housings(17)

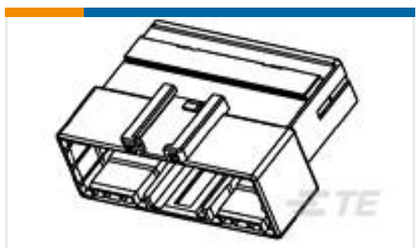
Customers Also Bought



TE Part #8-338069-2
MICRO-MATCH SMD FTE



TE Part #8-215460-2
MICRO-MATCH FSID P



TE Part #936236-1
090III 2P CAP ASSY



TE Part #1-2208102-3
4POS,HVA,2PHM,PASS THRU,HYB ASSY



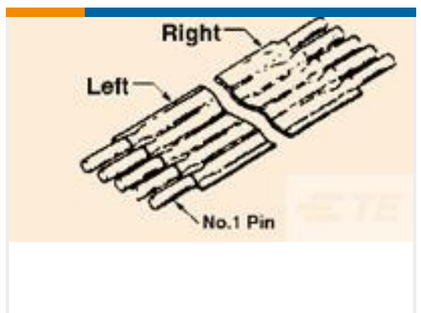
TE Part #2141259-1
2POS, MIXED,REC HSG,ASSY



TE Part #2-2282265-6
5POS,HVA,630,PIGTAIL,HYB ASSY



TE Part #1-2349180-1
DIA 4MM,TERMINAL,FAM SLD,CB



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