



AMP | AMP Twin-Leaf

TE Internal #: 5-583853-3

Socket Contact, Gold, Locking Lance Contact Retention, Discrete Wire, 24 – 20 AWG Wire Size, .2 – .6 mm² 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: **Tin**

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 Underplating Material Thickness	.76 μm[30 μin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Length	17.27 mm[.68 in]
Contact Orientation	Straight
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Barrel Type	Open
Contact Type	Socket



Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin
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

Wire Insulation Support	With
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.22 – 1.52 mm [.048 – .06 in]
Wire Size	404 – 1020 CMA

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	Green
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Packaging Features

Packaging Quantity	7000
Packaging Method	Reel

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241)



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



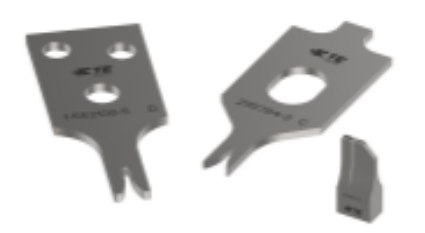
TE Part # 91073-1
TW LF EXT TOOL



TE Part # 2151985-1
OCEAN_2.0_APPLICATOR-S-055F062O-RSM



TE Part # 2151985-2
OCEAN_2.0_APPLICATOR-S-055F062O-RSA



TE Part # 7-2151985-7
OCEAN_2.0_SPARE_PART_KIT-055F062O



TE Part # 91535-1
CCII TWIN LEAF 24-20 ASSY

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 #1-499252-3
064 STRAIN RELIEF A-L RCPT



TE Part #5172070-3
DRAWER CONN. FEMALE HSG ASSY
8



TE Part #1-104257-9
20 MTE RCPT HSG SR LATCH .100
8



TE Part #1-1658620-2
064 NOVO MIL 15DP FT



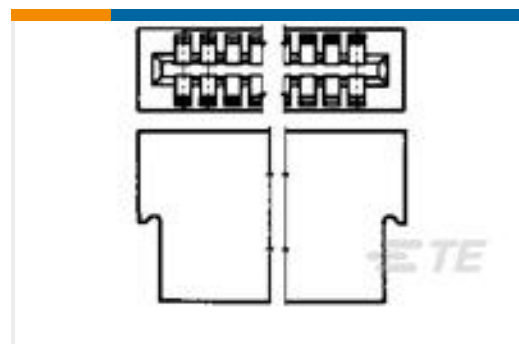
TE Part #4-2176326-9
CRGP 0603 100K 1%



TE Part #1-2176326-7
CRGP 0603 220R 1%



TE Part #192129-1
4MM 10B1S1/4-X 10-32



TE Part #1-583717-1
TW-LEAF CRP HSG 25 POS 100 C/L



TE Part #1-1825007-6
DRD16E04=ROT DIP,16P



TE Part #GASSD-004
PRO2-PROBE AD590

Documents

Product Drawings

TWIN LEAF TERM. STRIP CSTL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-583853-3_BR.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_5-583853-3_BR.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-583853-3_BR.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5-583853-3_V1.3d_igs.zip](#)

English

[3D PDF](#)

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Customer View Model

[ENG_CVM_5-583853-3_V1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5-583853-3_V1.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English