

583853-3  ACTIVE

AMP | AMP Twin-Leaf

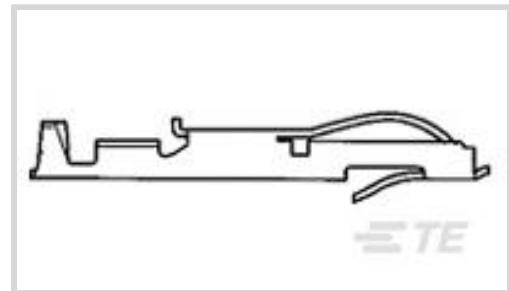
TE Internal #: 583853-3

Connector Contact, Socket, Wire-to-Board, 24 – 20 AWG Wire Size, 404 – 1020 CMA Wire Size, .2 – .6 mm<sup>2</sup> Wire Size, Gold, Strip, AMP Twin-Leaf

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Socket**

Connector System: **Wire-to-Board**

Centerline (Pitch): **2.54 mm, 3.18 mm, 3.96 mm [ .156 in ]**

Wire Size: **404 – 1020 CMA**

## Features

### Product Type Features

Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

### Contact Features

Contact Retention Within Housing	With 30 µin
Wire Contact Termination Area Plating Material	Tin-Lead
PCB Contact Termination Area Plating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	5 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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### Housing Features

Centerline (Pitch)	2.54 mm, 3.18 mm, 3.96 mm[.156 in]
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### Dimensions

Compatible Insulation Diameter Range	1.22 – 1.52 mm [.048 – .06 in]
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Wire Size	.2 – .6 mm <sup>2</sup>
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Identification Marking

Wire Range Color Code	Green
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### Packaging Features

Packaging Quantity	7000
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Packaging Method	Strip
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)
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Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

Pb (13% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Low Halogen - Br, Cl, F, I < 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

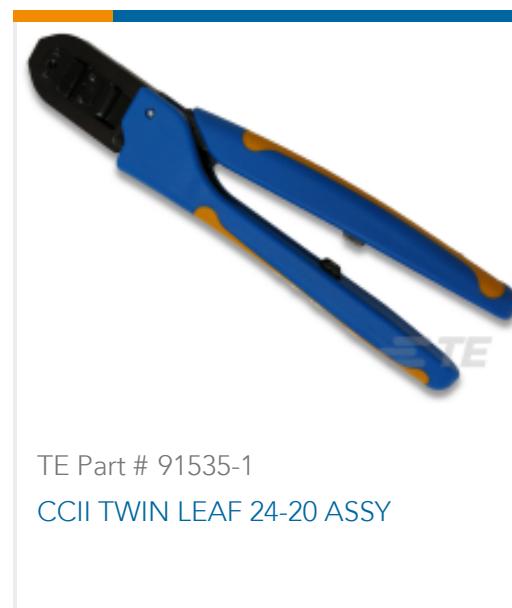
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

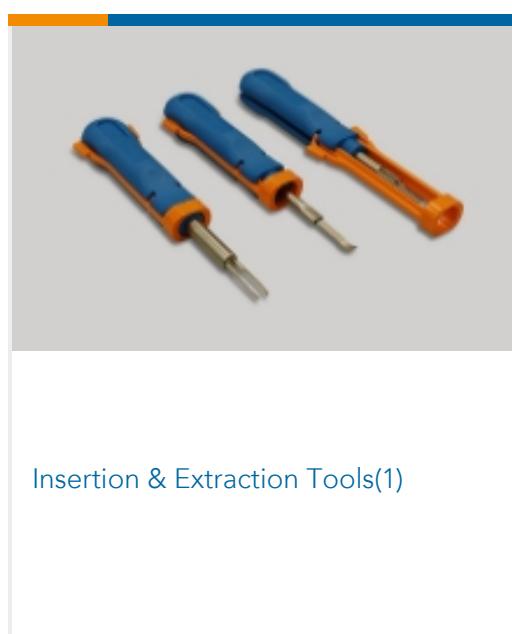


TE Part # 91073-1  
 TW LF EXT TOOL

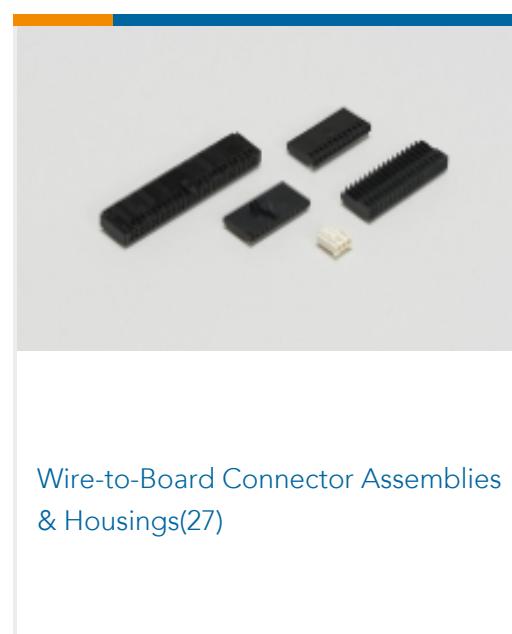


TE Part # 91535-1  
 CCII TWIN LEAF 24-20 ASSY

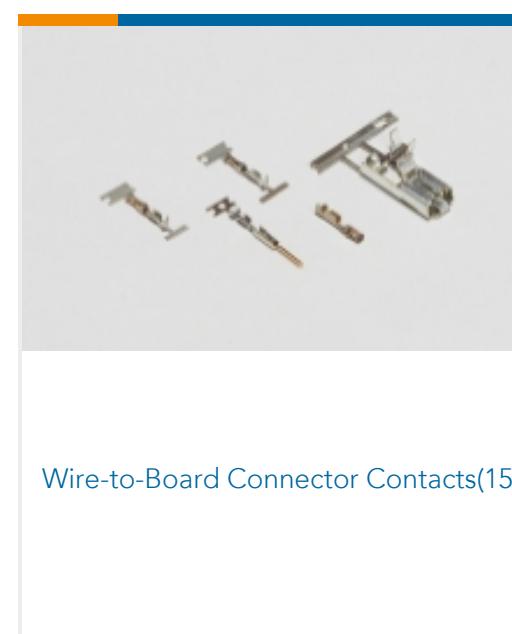
## Also in the Series | AMP Twin-Leaf



Insertion & Extraction Tools(1)



Wire-to-Board Connector Assemblies & Housings(27)

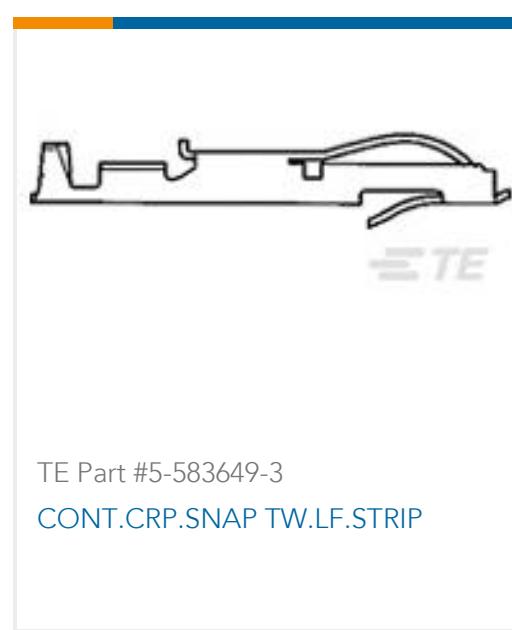


Wire-to-Board Connector Contacts(15)

## Customers Also Bought



TE Part #172333-1  
 MINI UNIVERSAL M-N-L HOUSING



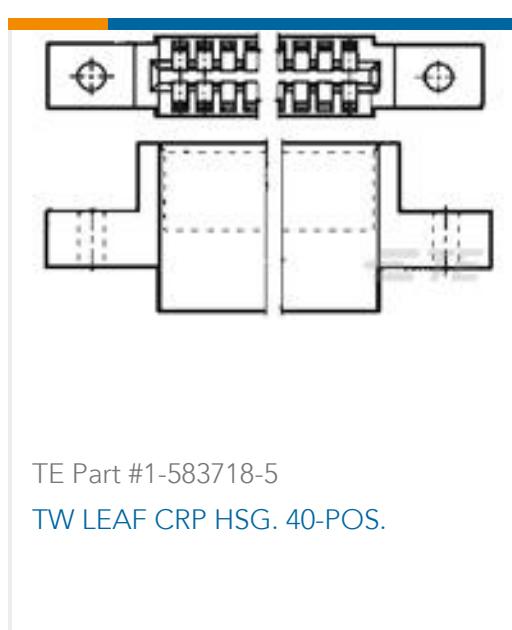
TE Part #5-583649-3  
 CONT.CRP.SNAP TW.LF STRIP



TE Part #5-583853-3  
 TWIN LEAF TERM. STRIP CSTL



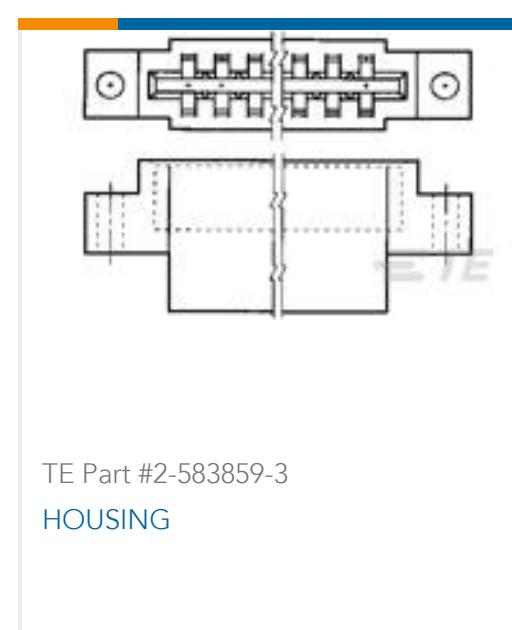
TE Part #63482-1  
 RING 18-14 AWG TPSTL



TE Part #1-583718-5  
 TW LEAF CRP HSG. 40-POS.



TE Part #1423675-6  
 W57-XB7A4A10-8=CKTBKR,THERM,PB



TE Part #2-583859-3  
 HOUSING

## Documents

### Product Drawings

[TWIN LEAF TERM. STRIP CSTL](#)

English

**CAD Files**[3D PDF](#)

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_583853-3\\_BR.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_583853-3\\_BR.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_583853-3\\_BR.3d\\_stp.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_583853-3\\_V1.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_583853-3\\_V1.3d\\_stp.zip](#)

English

[3D PDF](#)

English

**Customer View Model**[ENG\\_CVM\\_583853-3\\_V1.2d\\_dxf.zip](#)

English

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

English