



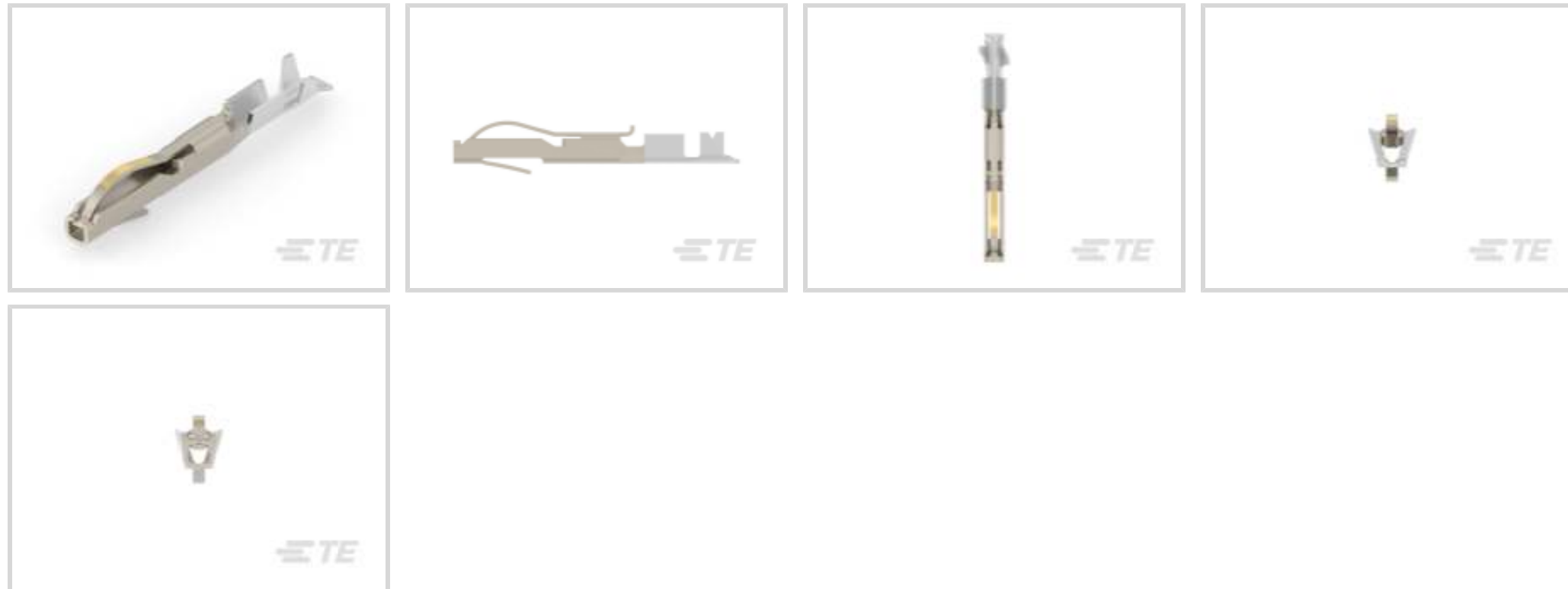
AMP | AMP Twin-Leaf

TE Internal #: 5-583853-3

Connector Contact, Socket, Wire-to-Board, 24 – 20 AWG Wire Size, 404 – 1020 CMA Wire Size, .2 – .6 mm² Wire Size, Gold, Strip, AMP Twin-Leaf

[View on TE.com >](#)

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 |
| Wire Contact Termination Area Plating Material | Tin |
| | 30 μin |
| PCB Contact Termination Area Plating Material Finish | Matte |
| PCB Contact Termination Area Plating Material | Tin |
| 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 |
|------------------------------------|-------|



Mechanical Attachment

| | |
|---------------------------------------|---------------|
| Contact Retention Type Within Housing | Locking Lance |
|---------------------------------------|---------------|

Housing Features

| | |
|--------------------|-------------------------------------|
| Centerline (Pitch) | 2.54 mm, 3.18 mm, 3.96 mm [.156 in] |
|--------------------|-------------------------------------|

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | 1.22 – 1.52 mm [.048 – .06 in] |
|--------------------------------------|--------------------------------|

| | |
|-----------|-------------------------|
| Wire Size | .2 – .6 mm ² |
|-----------|-------------------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Identification Marking

| | |
|-----------------------|-------|
| Wire Range Color Code | Green |
|-----------------------|-------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 7000 |
|--------------------|------|

| | |
|------------------|-------|
| Packaging Method | Strip |
|------------------|-------|

Product Compliance

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

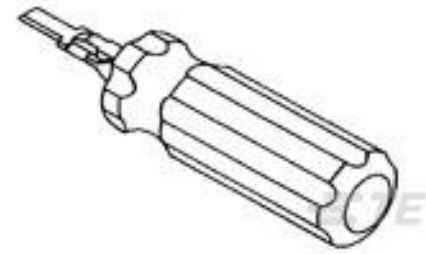
| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 2-2151985-1
OCEAN_2.0_APPLICATOR-S-055F062O



TE Part # 2-2151985-2
OCEAN_2.0_APPLICATOR-S-055F062OA



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



TE Part # 2151985-2
OCEAN_2.0_APPLICATOR-S-055F062OA



TE Part # 7-2151985-1
OCEAN_2.0_APPLICATOR-S-055F062O



TE Part # 7-2151985-2
OCEAN_2.0_APPLICATOR-S-055F062OA




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



Insertion & Extraction Tools(1)

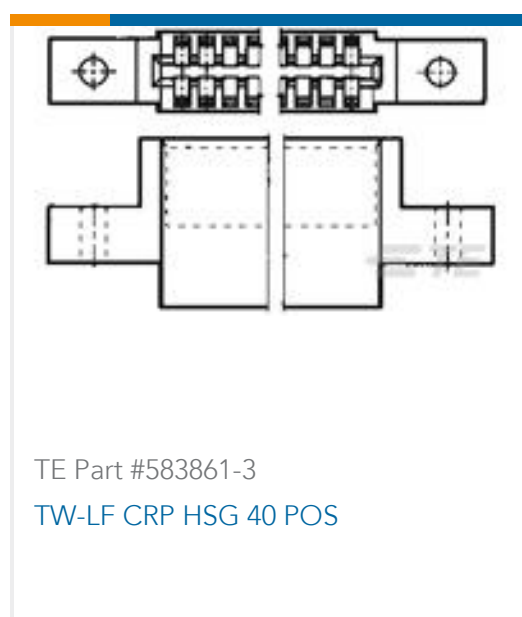
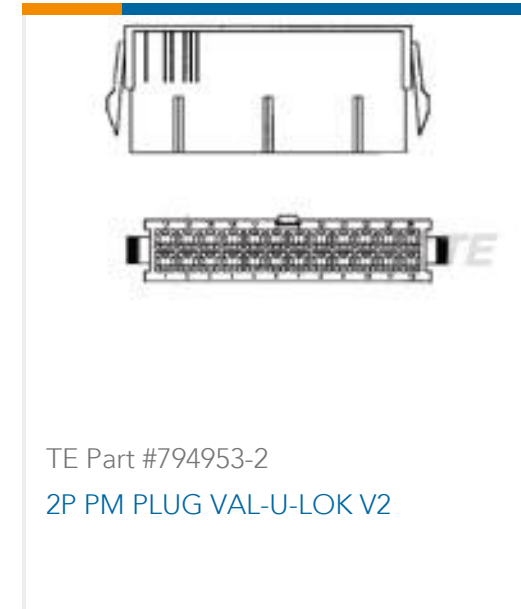


Wire-to-Board Connector Assemblies & Housings(27)



Wire-to-Board Connector Contacts(15)

Customers Also Bought



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](#)

English

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

Product Environmental Compliance

[TE Material Declaration](#)

English