



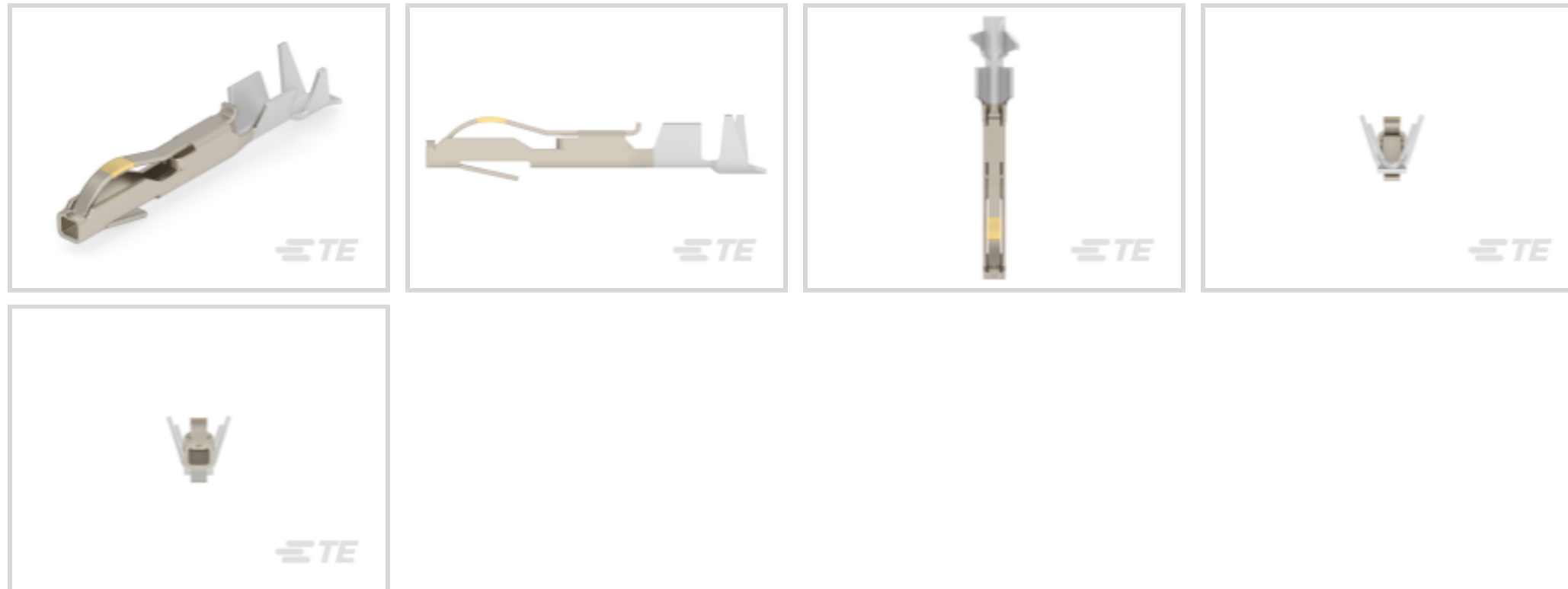
AMP | AMP Twin-Leaf

TE Internal #: 5-583649-3

Connector Contact, Socket, Wire-to-Board, 22 – 18 AWG Wire Size, 642 – 1624 CMA Wire Size, .3 – .9 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): **3.18 mm, 3.96 mm [.156 in]**

Wire Size: **642 – 1624 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
Contact Underplating Material	Nickel
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
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Housing Features

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

Compatible Insulation Diameter Range	1.14 – 2.41 mm [.045 – .095 in]
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Wire Size	.3 – .9 mm ²
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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	Violet
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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>](#)

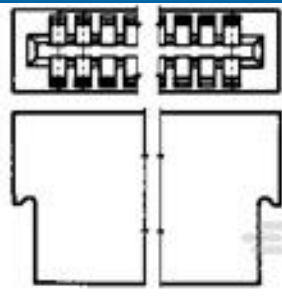
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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

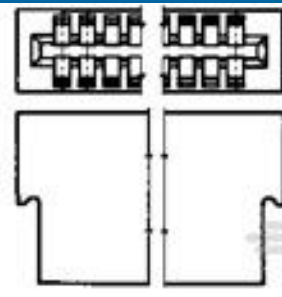
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

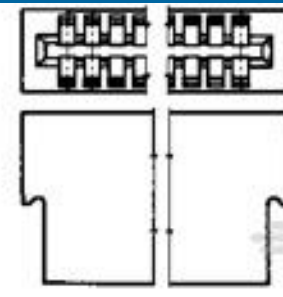
Compatible Parts



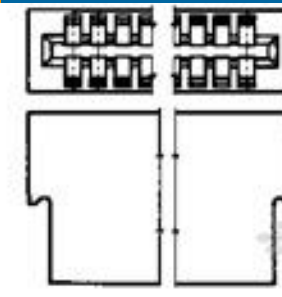
TE Part # 583717-1
TW-LEAF CRP HSG 10 POS 100 C/L



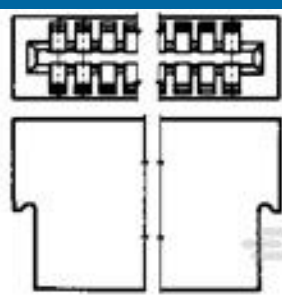
TE Part # 1-583717-1
TW-LEAF CRP HSG 25 POS 100 C/L



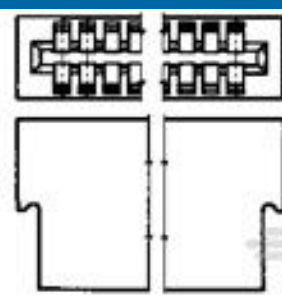
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TW LEAF CRP HSG. 30-POS.



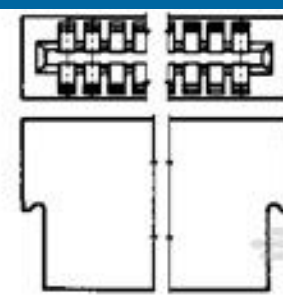
TE Part # 1-583717-9
TW-LEAF CRP HSG 50 POS 100 C/L



TE Part # 2-583717-7
TW LEAF CRP. HSG. 14 POS.



TE Part # 3-583717-1
TW-LEAF CRP HSG 20 POS 100 C/L



TE Part # 3-583717-3
TW-LF CRP HSG 13 POS 100C/L



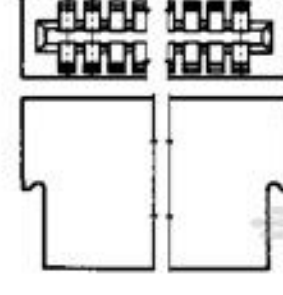
TE Part # 1-583717-5
TW-LEAF CRP HSG 40 POS 100 C/L



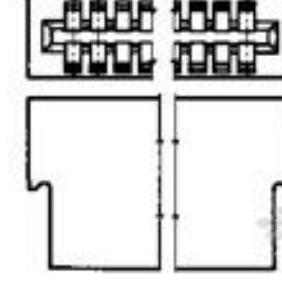
TE Part # 2-2837926-1
OCEAN-2.0-APPLICATOR-S-062F0900



TE Part # 2-2837926-2
OCEAN-2.0-APPLICATOR-S-062F0900



TE Part # 2-583717-1
TW LEAF CRP HSG. 6-POS.



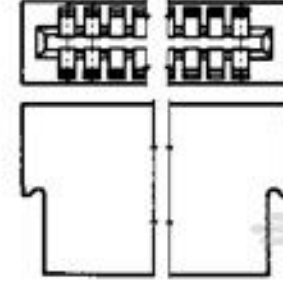
TE Part # 2-583717-3
TW LEAF CRP HSG. 7-POS.



TE Part # 2837926-1
OCEAN-2.0-APPLICATOR-S-062F0900



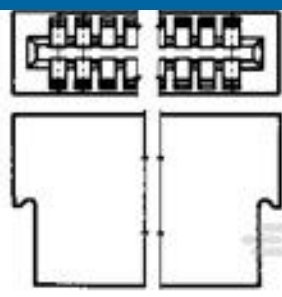
TE Part # 2837926-2
OCEAN-2.0-APPLICATOR-S-062F0900



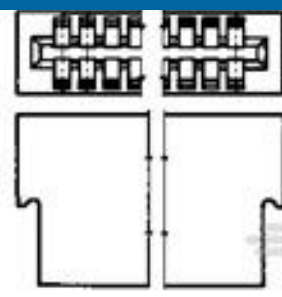
TE Part # 3-583717-9
HOUSING CSTL 100 C/L 8 POS



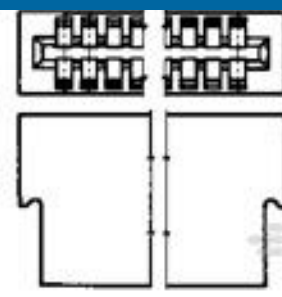
TE Part # 583717-3
TW LEAF CRP HSG. 15-POS.



TE Part # 583717-5
17 POS TWIN LEAF CRP HSG



TE Part # 583717-7
TW-LEAF CRP HSG 18 POS 100 C/L




TE Part # 583717-9
TW-LEAF CRP HSG 22 POS 100 C/L




TE Part # 7-2837926-1
OCEAN-2.0-APPLICATOR-S-062F0900


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 #281739-6
HEADER HE14 STRAIGHT 2X6 P



TE Part #163007
FF 250 REC HSG 8P NYLON CLEAR



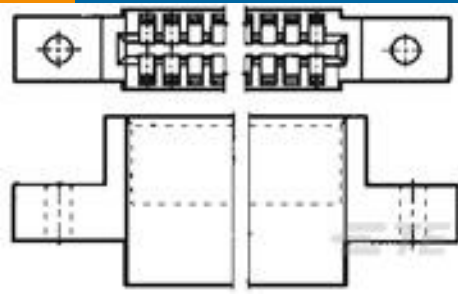
TE Part #172341-1
MINI UMNL PLUG HOUSING 12P



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



TE Part #1218434-5
R/A RCP ASSY 50 POS SER 109



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



TE Part #710030-3
XCT 16-6



TE Part #151326-1
FF 250 TAB HSG 11P NYLON NAT



TE Part #583873-9
HOUSING CSTL 125 C/L 22 POS



Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-583649-3_BS_c-5-583649-3-bs.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-583649-3_BS_c-5-583649-3-bs.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-583649-3_BS_c-5-583649-3-bs.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_5-583649-3_032820181317_dmtec](#)

English

[MD_5-583649-3_032820181317_dmtec](#)

English