

583680-1 ✓ ACTIVE

AMP-LEAF

TE Internal #: 583680-1

Housing, Receptacle, Wire-to-Board, 15 Position, 3.96 mm [.156 in]
Centerline, Crimp, 2 Row, Black, Mating Retention, Printed Circuit Board

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **15**

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

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Dual Positions	15
Number of Positions	15
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1800 VAC
Insulation Resistance	5000 MΩ

Contact Features

Contact Current Rating (Max)	5 A
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Panel Mount Feature Type	Mounting Ears
Mating Retention	With
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	3.96 mm [.156 in]
Housing Color	Black

Dimensions

	.7 in
PCB Thickness (Recommended)	1.4 – 1.78 mm [.055 – .07 in]
Row-to-Row Spacing	4.14 mm [.163 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C [-85 – 257 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	225
Packaging Method	Box

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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

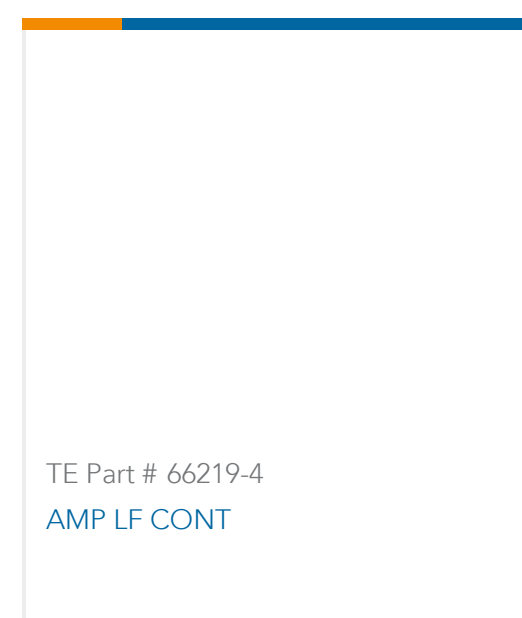
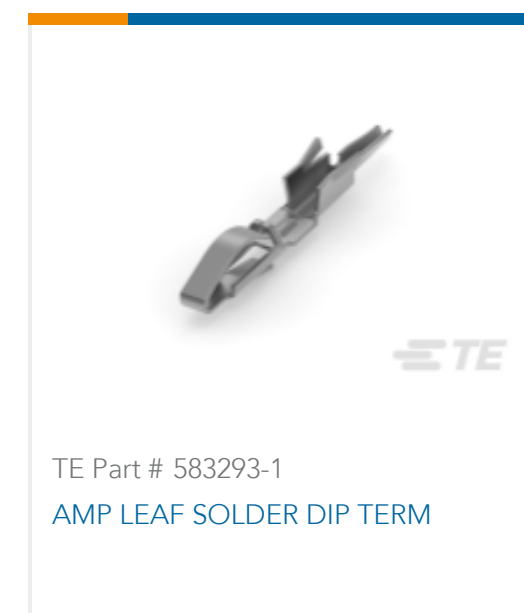
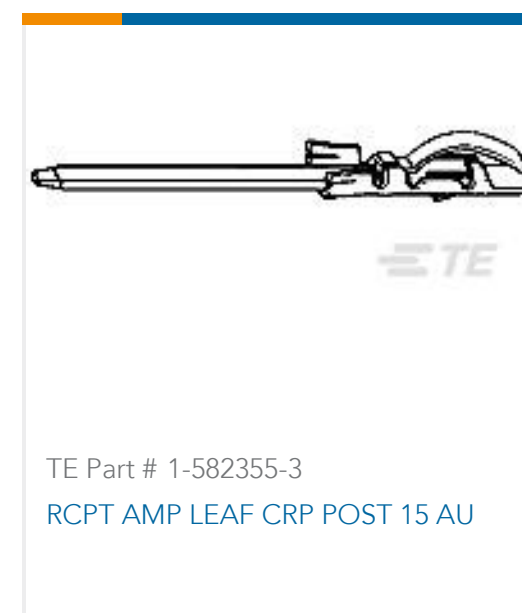
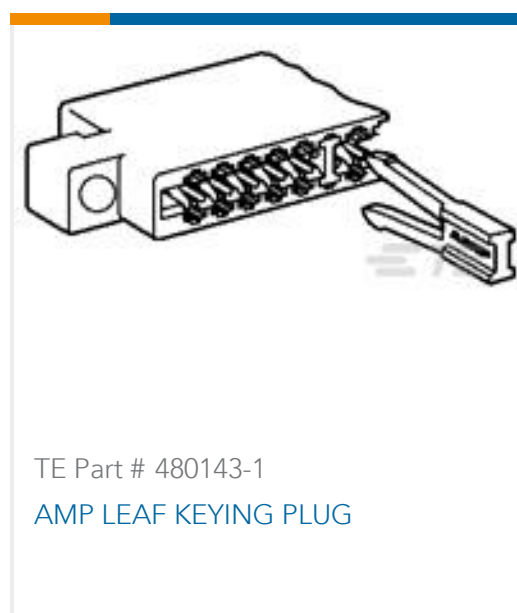
Solder Process Capability

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



Documents

Product Drawings

HSG AMP LEAF 15 POS

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_583680-1_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_583680-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_583680-1_T.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

English

[Connector, AMP-LEAF, .000030 Gold Plated Contacts, DPH Housing](#)

English

Product Specification

English

[Connector, AMP-LEAF, Phenolic or Thermoplastic Housing](#)

English

Product Specification

English

[Connector, AMP-LEAF, Tin Plated Contact](#)

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English