

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

Dimensions

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

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 Positions	15
Number of Rows	2
Number of Dual Positions	15

Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
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Housing Material	Polyester GF
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Termination Features

Termination Method to Wire & Cable	Crimp
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Body Features

Primary Product Color	Black
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Mechanical Attachment

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

Contact Current Rating (Max)	5 A
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Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Electrical Characteristics

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

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Box
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Packaging Quantity	225
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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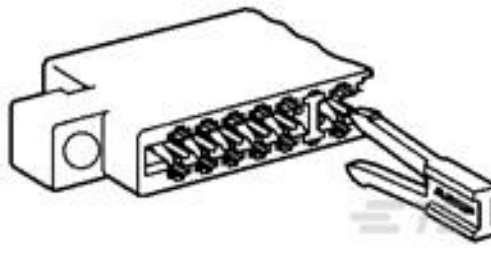


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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



TE Part # 480143-1
AMP LEAF KEYING PLUG



TE Part # 465195-1
AMP-LEAF EXTRACTION TOOL



TE Part # 583680-2
AMP LEAF 15 POS

Customers Also Bought



TE Part #3-520133-2
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



TE Part #350416-1
.093 COMM P&S PIN 14-20 PTPBR



TE Part #1546306-5
5P .374" DR BARRIER STRIP



TE Part #383814-000
44A1121-24-2/3-9



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

583680-1

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



Agency Approval Document

English