

## AMP-LEAF

TE Internal #: 583991-3

Connector Contact, Socket, Wire-to-Board, 16 AWG Wire Size,  
2580 CMA Wire Size, 1.25 – 1.4 mm<sup>2</sup> Wire Size, Gold, Loose Piece,  
Wire & Cable, 5 A

[View on TE.com >](#)

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

Contact Type: **Socket**Connector System: **Wire-to-Board**Wire Size: **1.25 – 1.4 mm<sup>2</sup>**

## Features

### Product Type Features

Double Wire Insulation Diameter	2.03 – 4.06 mm [.08 – .16 in]
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Insulation Resistance	5000 MΩ
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### Contact Features

Contact Retention Within Housing	With
Wire Contact Termination Area Plating Material	Gold Flash
	30 μin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
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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Wire Insulation Support	With
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### Dimensions

Accepts Wire Insulation Diameter Range	2.74 mm[.108 in]
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Wire Size	1.25 – 1.4 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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### Packaging Features

Packaging Quantity	5000
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Packaging Method	Loose Piece
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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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



## Documents

### Product Drawings

[CONT AMP LEAF L/P 30/3 AU](#)

English

### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese

[AMP-LEAF Contact](#)

English

[Application Specification](#)

Japanese

[AMP-LEAF Contacts](#)

Japanese

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Application and Maintenance for Hand Crimping Tool](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Application and Maintenance for Hand Crimping Tool](#)

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Connector Contact, Socket, Wire-to-Board, 16 AWG Wire Size, 2580 CMA Wire Size,  
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English

[Instruction Sheet \(U.S.\)](#)

English

[Hand Crimping Tool 90101-3](#)

English