



TE Internal #: 170205-1

Connector Contact, Socket, Wire-to-Board / Wire-to-Wire, 30 – 26 AWG Wire Size, .05 – .15 mm<sup>2</sup> Wire Size, Tin, Loose Piece, Wire & Cable, 2 A, Signal

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



Contact Type: **Socket**

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

Wire Size: **.05 – .15 mm<sup>2</sup>**

Contact Mating Area Plating Material: **Tin**

### Features

#### Product Type Features

Connector System	Wire-to-Board, Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

#### Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

#### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Mating Area Plating Material Thickness	.8 μm
Contact Base Material	Brass
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	2 A

#### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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#### Dimensions

Compatible Insulation Diameter Range	1 – 1.4 mm[.039 – .055 in]
Wire Size	.05 – .15 mm <sup>2</sup>

#### Usage Conditions



Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

### Product Compliance

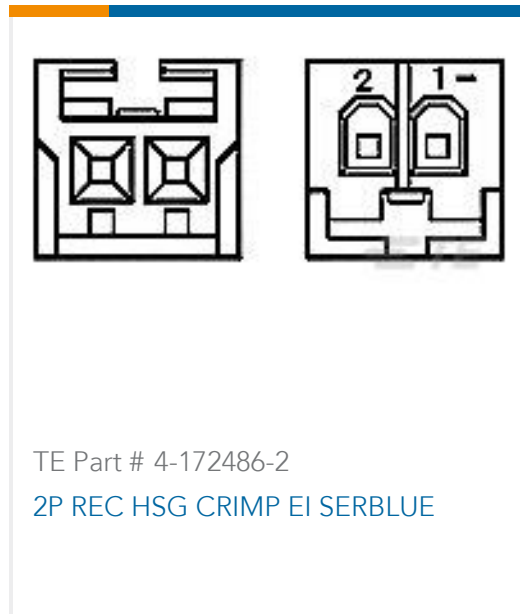
[For compliance documentation, visit the product page on TE.com>](#)

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



### Customers Also Bought



TE Part #5747250-3  
09 MSFL PLUG RA 318 (IN,FM)



TE Part #2-1734742-0  
.5 FPC VT ZIF Type-A 20 CONT



TE Part #1-171822-2  
EIS REC. HSG 12P-NATURAL



TE Part #171822-5  
EIS REC. HSG 5P-NATURAL



TE Part #171826-2  
2POS POST HEADER ASSY



TE Part #170429-1  
EIS REC CONT 26-20 AWG BR TN



TE Part #171822-3  
EIS REC. HSG 3P-NATURAL



TE Part #172211-3  
EIS CAP HSG FREE HANG 3P  
NATUTURAL



TE Part #3-1825010-7  
ASE6204=6PDT AUTOSLIDE

## Documents

### Product Drawings

#### E.I. SERIES CONTACT LP

English

#### E.I. SERIES CONTACT LP

Japanese

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_170205-1\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_170205-1\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_170205-1\\_O.3d\\_stp.zip](#)

English

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



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### Datasheets & Catalog Pages

[1-1773972-5\\_EIS\\_Connectors\\_Brochure](#)

English

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### Product Specifications

[Crimping of AMP EI Series Connector Contacts](#)

Japanese

[Application Specification](#)

Japanese

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### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

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### Instruction Sheets

[AMP "EI" Series Connector](#)

English

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

English

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

Japanese

[PEW12 HAND TOOL\(EI 170205-1\)](#)

Japanese

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### Agency Approvals

[Agency Approval Document](#)

English