

172211-6 ✓ ACTIVE

TE Internal #: 172211-6

Housing, Plug, Wire-to-Board, 6 Position, .098 in [2.5 mm]

Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,  
Power & Signal

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

Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **2.5 mm [ .098 in ]**

## Features

### Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	6
Number of Rows	1

### Electrical Characteristics

Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

### Body Features

Connector Profile	Standard
Primary Product Color	Natural

### Contact Features

Contact Layout	Inline
Contact Type	Pin
Contact Current Rating (Max)	2 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Lock
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Nylon 6/6
Centerline (Pitch)	2.5 mm[.098 in]

### Dimensions

Connector Length	17.9 mm
Connector Height	6.4 mm

### Usage Conditions

Operating Temperature Range	-20 – 95 °C[-4 – 203 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Agency/Standard	UL
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

### 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)



SVHC > Threshold:

Melamine (3% in Component Part)

**Article Safe Usage Statements:**

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 171822-6  
EIS REC. HSG 6P-NATURAL

TE Part # 170429-2  
EIS REC CONT 26-20 AWG PHOS TN

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

TE Part # 170376-2  
EI-SRS COSI CONTACT

TE Part # 170376-1  
AMP EI PIN CONTACT

TE Part # 170377-1  
EIS CONTACT

TE Part # 170376-3  
EIS CONN. PIN CONTACT

TE Part # 170429-3  
SERIE EI STIFTKONT



TE Part # 170430-1  
EI PIN LP 170377-1 LP

TE Part # 170430-2  
EI PIN LP

TE Part # 170430-3  
EIS PIN CONT GOLD LP

TE Part # 170377-2  
EIS CONN PIN CONTACT

TE Part # 170377-3  
EIS PIN CONT GOLD

### Customers Also Bought

TE Part #172211-4  
EIS CAP HSG FREE HANG 4P NATUTURAL

TE Part #172211-8  
8P CAP HSG FREE HABG EI S CONN

TE Part #171822-8  
EIS REC. HSG 8P-NATURAL

TE Part #171822-6  
EIS REC. HSG 6P-NATURAL

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

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

TE Part #1-171822-0  
EIS REC. HSG 10P-NATURAL

TE Part #171822-4  
EIS REC. HSG 4P-NATURAL

TE Part #170262-1  
EIS CONTACT

TE Part #1-172211-0  
10P CAP HSG F/H EI S CONN.

### Documents



### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172211-6\\_F.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172211-6\\_F.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172211-6\\_F.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

English

### Product Specifications

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

Japanese

[Application Specification](#)

Japanese

### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

### Agency Approvals

[Agency Approval Document](#)

English