

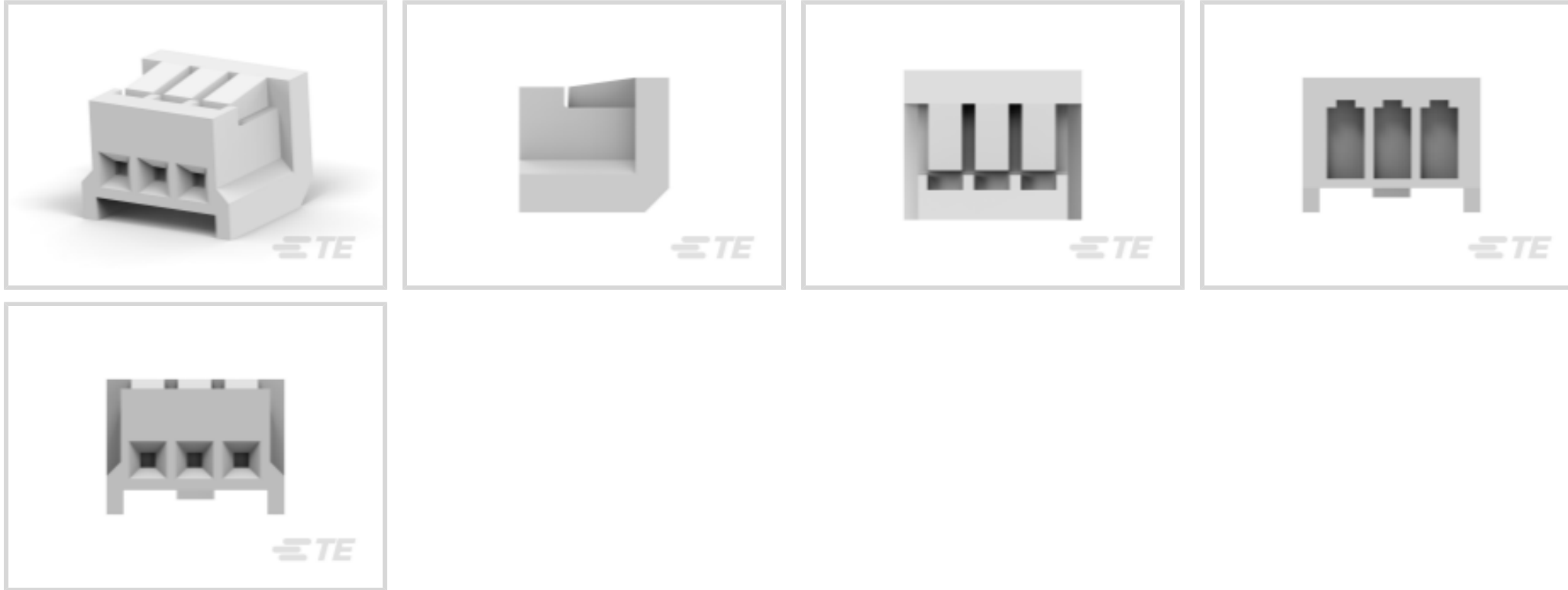


TE Internal #: 172142-3

Housing, Receptacle, Wire-to-Board, 3 Position, 2.5 mm [.098 in]
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: **Receptacle**

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

Number of Positions: **3**

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

Features

Product Type Features

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

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 3 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-----------------------|---------|
| Insulation Resistance | 500 MΩ |
| Operating Voltage | 250 VAC |

Body Features

| | |
|-------------------|-----|
| Connector Profile | Low |
|-------------------|-----|

Contact Features



| | |
|------------------------------|--------|
| Contact Layout | Inline |
| Contact Type | Socket |
| Contact Current Rating (Max) | 2 A |

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

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 Entry Configuration | Both Ends Closed |
| Housing Material | Nylon 6/6 |
| Centerline (Pitch) | 2.5 mm [.098 in] |
| Housing Color | Natural |

Dimensions

| | |
|------------------|--------|
| Connector Length | 9.5 mm |
| Connector Height | 6.7 mm |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 95 °C [-4 – 203 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| Agency/Standard | UL |
| CSA Certified | Yes |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Bag |

Product Compliance

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

| | | | |
|--|---|--|--|
|  <p>TE Part # 171826-3 3P POST HEADER ASSY EI</p> |  <p>TE Part # 172211-3 EIS CAP HSG FREE HANG 3P NATURAL</p> |  <p>TE Part # 171825-3 POST HEADER ASSY EI SRS 3POS</p> |  <p>TE Part # 170354-1 LOW PROFILE E.I. CONNECTOR</p> |
|--|---|--|--|



Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_172142-3_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172142-3_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172142-3_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

[Application Specification](#)

English

[Crimping of Low Profile "EI" Series Connector](#)

English

Product Environmental Compliance

[MD_172142-3_06142018841_dmtec](#)

English

[MD_172142-3_06142018841_dmtec](#)

English

Agency Approvals

[Agency Approval Document](#)

English