

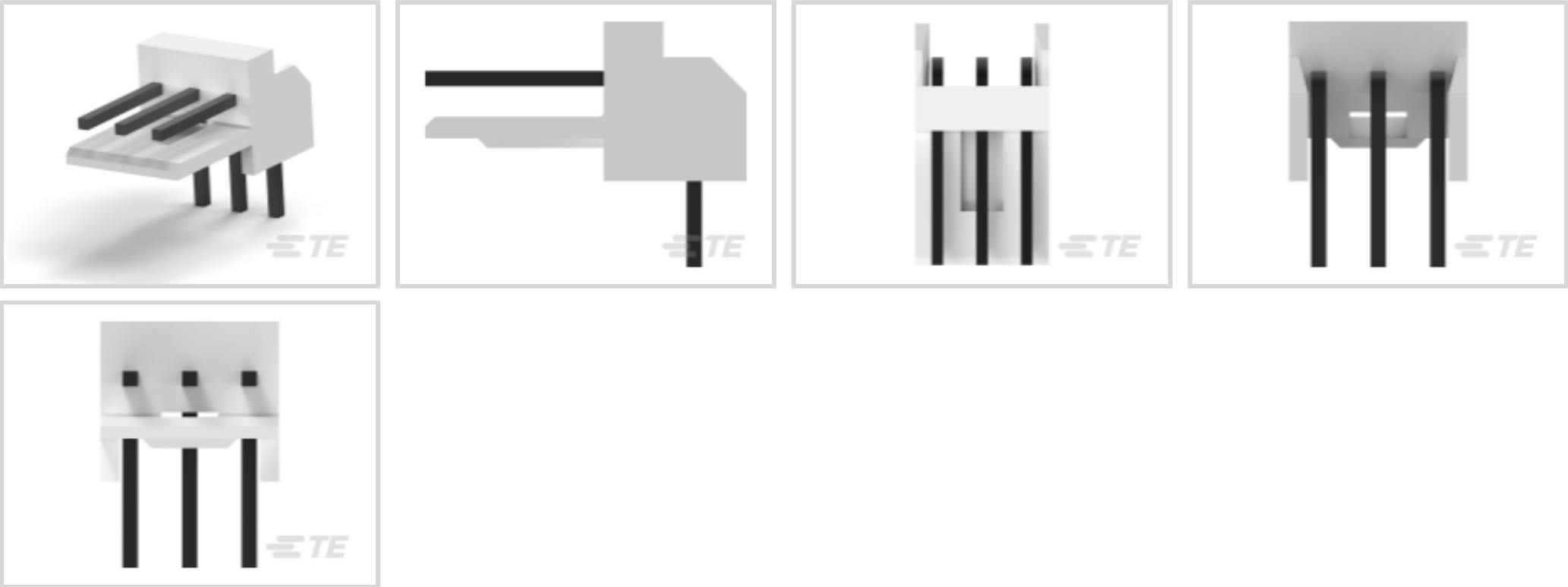


TE Internal #: 171826-3

PCB Mount Header, Horizontal, Wire-to-Board, 3 Position, 5 mm [.197 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Signal

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Partially Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

Configuration Features

| | |
|-----------------------|------------|
| PCB Mount Orientation | Horizontal |
| Number of Positions | 3 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Body Features

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



Primary Product Color

Natural

Contact Features

| | |
|---|------------------|
| Contact Mating Area Plating Material Thickness | .8 µm[31.49 µin] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material Thickness | .8 µm |
| Contact Mating Area Length | 7.5 mm[.295 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5 A |

Termination Features

| | |
|--|-----------------------|
| Termination Post & Tail Length | 3.6 mm[.142 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|------------------------|
| Panel Mount Feature | Without |
| Mating Retention Type | Polarized Lock |
| Mating Retention | With |
| PCB Mount Retention Type | Retention Solder Tails |
| Mating Alignment Type | Polarization |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Housing Features

| | |
|--------------------|---------------|
| Housing Material | 6/6 Nylon |
| Centerline (Pitch) | 5 mm[.197 in] |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 6.7 mm[.264 in] |
| | |



| | |
|------------------|-----------------|
| Connector Length | 7.5 mm[.295 in] |
|------------------|-----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|---|----------|
| Compatible With Agency/Standards Products | UL |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|----------|
| Packaging Quantity | 1000 |
| Packaging Method | Bag, Box |

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 | Wave solder capable to 265°C |

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 # 175515-3
EI POST HDR IN TUBE 171826-3

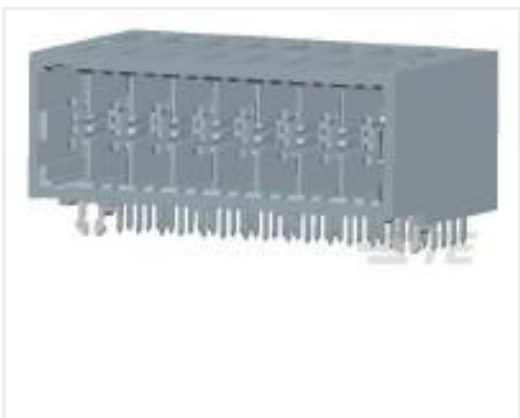


TE Part # 171822-3
EIS REC. HSG 3P-NATURAL




TE Part # 172142-3
EIS LOW PROFILE HSG 3P NATURAL


Customers Also Bought




TE Part #5-1747145-4
DZ5200 H-HDR ASSY 4P 10.16MM PITCH




TE Part #171825-3
POST HEADER ASSY EI SRS 3POS




TE Part #292172-5
CT POST HDR ASSY 5P IN-TUBE BL




TE Part #171825-6
POST HDR ASSY VERT AMP EI CONN




TE Part #6-1437719-5
T01-0570-P05-MALE REC PANEL-PCB STRAIGHT



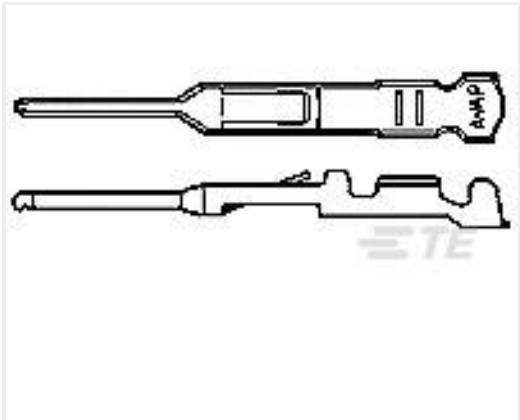
TE Part #171825-9
9P EIS POST HDR VERTICAL




TE Part #1-179552-2
DYNAMIC D-3200S TAB HSG 2P K/X



TE Part #171825-7
V-TYPE E.I.S.CONN. 7P ASSY



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



TE Part #6-6447227-4
JMI6LS-09BAS

Documents

Product Drawings

3P POST HEADER ASSY EI

English

3P POST HEADER ASSY EI

English

CAD Files



3D PDF

3D

Customer View Model

ENG_CVM_CVM_171826-3_Y3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_171826-3_Y3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_171826-3_Y3.3d_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

Agency Approvals

Agency Approval Document

English