



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

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	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Connector Profile	Low
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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]
PCB Contact Termination Area Plating Material Thickness	.8 µm
Contact Shape & Form	Square
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
Mating Alignment Type	Polarization
PCB Mount Retention Type	Retention Solder Tails
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)	2.5 mm[.098 in]

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	10.4 mm[.409 in]



Connector Length	17.5 mm[.689 in]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	500
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 # 174810-7
TUBE PACKING EIS POST HDR 7P



TE Part # 172142-7
EIS LOW PROFILE HSG 7P NATURAL



TE Part # 171822-7
EIS REC. HSG 7P-NATURAL

Customers Also Bought



TE Part #171826-6
POST HEADER ASSY HORIZ EI



TE Part #171826-8
H-TYPE E.I.S.CONN. 8P ASSY



TE Part #292230-7
1.5 MINI CT SGL V SMT W/BOSS 7



TE Part #171825-5
5 POS EIS POST HDR



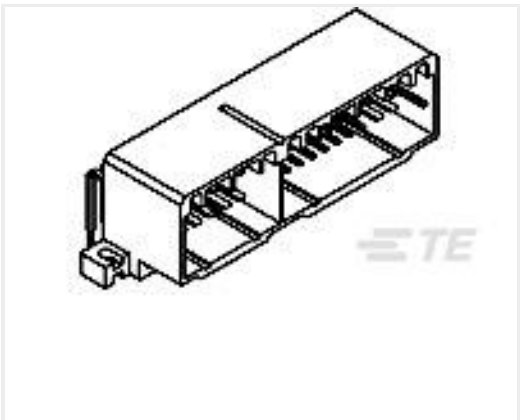
TE Part #171825-6
POST HDR ASSY VERT AMP EI CONN



TE Part #292230-8
1.5 MINI CT SGL V SMT W/BOSS 8



TE Part #171825-8
POST HDR ASSY VERT AMP EI CONN



TE Part #173866-1
070 MULTILOCK CAP ASSY 30P



TE Part #292175-4
CT BOX HDR V SMT 4P O/TAPE NAT



TE Part #1-171825-2
POST HDR ASSY VERT AMP EI CONN

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_171825-7_Y2.2d_dxf.zip
- English
- Customer View Model



[ENG_CVM_CVM_171825-7_Y2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_171825-7_Y2.3d_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