1-171825-0 ✔ ACTIVE

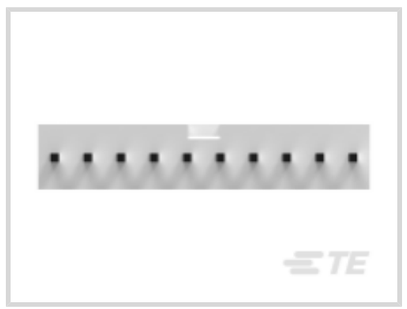
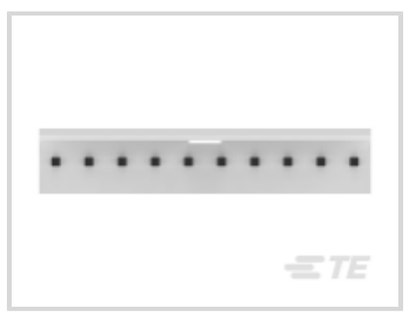
TE Internal #: 1-171825-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 5 mm [.197 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, Natural

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **10**

Number of Rows: **1**

Centerline (Pitch): **5 mm [.197 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Positions	10
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Connector Profile	Low
Primary Product Color	Natural

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	25 mm[.984 in]
Connector Height	10.4 mm[.409 in]
PCB Thickness (Recommended)	1.6 mm[.063 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	250
Packaging Method	Bag, Box

Product Compliance

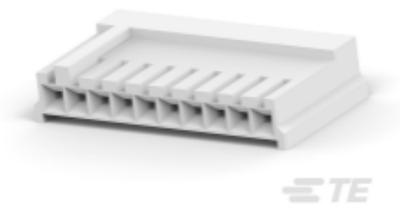
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 240°C

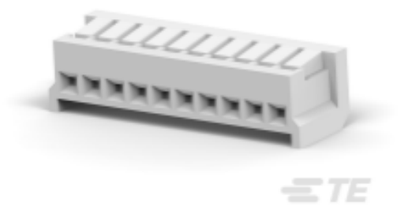
Product Compliance Disclaimer

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

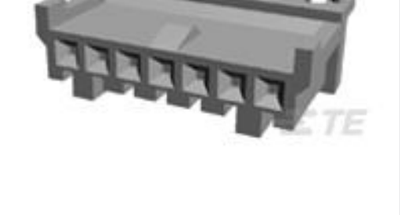
Compatible Parts



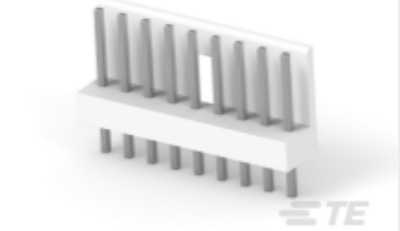
TE Part # 1-171822-0
EIS REC. HSG 10P-NATURAL



TE Part # 1-172142-0
EIS LOW PROFILE HSG 10P NATURAL

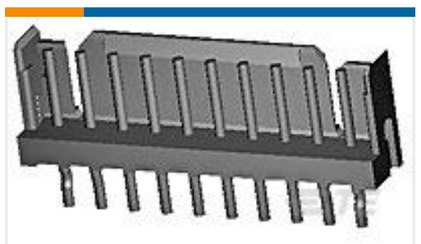


TE Part # 1-172188-0
10P REC ASSY MTEI FEED THRU#28



TE Part # 1-174810-0
EIS POST HDR ASSY V TUBE PACK

Customers Also Bought



TE Part #1-292161-4
CT P/HDR ASSY V 14P W/KINK NAT



TE Part #171826-7
H-TYPE E.I.S.CONN. 7P ASSY



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



TE Part #171825-5
5 POS EIS POST HDR



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



TE Part #171826-3
3P POST HEADER ASSY EI



TE Part #171825-2
2 POS EIS POST HDR



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



TE Part #1-1827872-0
DYNAMIC 1100D HDR ASSY V 40PX BLACK GOLD



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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-171825-0_Y2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-171825-0_Y2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-171825-0_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

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2310537-1 2005330-1 3631B101LL U5254-000005-030PA 1393431-1 CPF0402B37K4E1 2834055-1
1743455-2 3430B2F51RTDF RH73H2A40MKTN SBCHE64R7K SMW73R0JT 917696-1 1-794222-0
141991-2 2-292161-3 3-1393225-0 ROX05SJ18R 175977-2 2377783-2 CRGCQ2010J3K3 TE50BR39J
1-962915-1 1903112-2 1969656-1 MPT100C18RF 2380312-2 650075-000 936348-1 SBCHE154R7K