

TE Internal #: 1-172732-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2.5 mm [.098 in] Centerline, Partially Shrouded, Tin-Lead, Through Hole - Solder, Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

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	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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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 Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Current Rating (Max)	3.5 A

Termination Features

Termination Post & Tail Length	3.6 mm[.142 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	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	66 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	25 mm[.984 in]

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

UL Flammability Rating	UL 94V-0
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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: JAN 2025 (247) 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 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



Customers Also Bought





TE Part #4-2176340-3  
CRGCQ 0603 10M 5%



TE Part #1586076-1  
02P UMNL PIN HDR W/O DRNS V2



TE Part #207365-8  
METRIMATE PIN HDR ASY,3P LF



TE Part #170267-1  
250 FASTON,PCB TAB,TCBR



TE Part #5-104074-5  
25 SYSTEM 50 HDR SRRA SHRD SN



TE Part #1376164-1  
BATTERY HOLDER ML621 ASSY



TE Part #5-2176337-0  
CRGCQ 0402 120K 1%



TE Part #5786555-7  
68 50SR VRT RCPT,FL TOP,ACT PN



TE Part #DT15-12PB  
HDR, 12P, BLK, ST, NI/CU, B



TE Part #750831-2  
.050SR F SCRLK KIT,SL LN,BULK

Documents

Product Drawings  
PHOS HEADER ASSY WITH KINK

Japanese

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-172732-0\_G.2d\_dxf.zip

English  
Customer View Model  
ENG\_CVM\_CVM\_1-172732-0\_G.3d\_igs.zip

English  
Customer View Model  
ENG\_CVM\_CVM\_1-172732-0\_G.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