TE Internal #: 172487-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .098 in [2.5 mm] Centerline, Partially Shrouded, Pre-Tin, Through Hole - Solder,

Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: Wire-to-Board

Number of Positions: 2 Number of Rows: 1

Centerline (Pitch): 2.5 mm [.098 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 | 2 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |
| Electrical Characteristics | |
| Operating Voltage | 250 VAC |
| Body Features | |
| Primary Product Color | Natural |
| Contact Features | |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Mating Area Plating Material Thickness | .8 μm[31.49 μin] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Pre-Tin |



| Contact Type Contact Current Rating (Max) 3.5 A Termination Features Sequare Termination Post & Tail Dimension .64 mm (025 in) Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention With PCB Mount Retention Type Retention Solder Tails Mating Retention Type Retention Type Roard Mount Mating Retention Type Retention Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Retention Controlline (Pitch) 2.5 mm (.098 in) Dimensions Connector Length 7.5 mm (.295 in) Connector Height 10.4 mm (.409 in) Usage Conditions Operating Temperature Range 20 95 °C (4 - 203 °F) Operation/Application Circuit Application Circuit Application UL UL Flammability Reting UL 944-0 Packaging Features Packaging Country 1000 Packaging Features Packaging Guantry 1000 Packaging Type Bag | | |
|--|---|--------------------------|
| Square Termination Post & Tail Dimension 64 mm (025 in) Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention With PCB Mount Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention Method Method Method Method Method Method Method Method Method Method Method PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mm (098 in) Dimensions Connector Length 7.5 mm (299 in) Connector Height 10.4 mm (409 in) Usage Conditions Operation/Application Circuit Application Signal Industry Standards Agency/Standard UI. UI. Flammability Rating UI. 94V 0 Packaging Poatures Packaging Quantity 1000 | Contact Type | Pin |
| Square Termination Post & Tail Dimension Termination Method to Printed Circuit Board Mechanical Attachment Mating Retention With PCB Mount Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material Centerline (Pitch) Dimensions Connector Length T, 5 mm[.295 in] Connector Length Tonnector Length Tonnector Leight Usage Conditions Operating Temperature Range Signal Industry Standards Agency/Standard UL UL Tlammability Rating Packaging Features Packaging Quantity 1000 | Contact Current Rating (Max) | 3.5 A |
| Through Hole - Solder Mechanical Attachment Mating Retention With PCB Mount Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mml (998 in) Dimensions Connector Length 7.5 mml (295 in) Connector Height 10.4 mml (409 in) Usage Conditions Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Hammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Termination Features | |
| Mechanical Attachment Mating Retention With PCB Mount Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mm[.098 in] Dimensions Connector Length 7.5 mm[.295 in] Connector Height 10.4 mm[.409 in] Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Signal Industry Standard UI UL Flammability Rating UL 94V-0 Packaging Features Packaging Features | Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Mating Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Conterline (Pitch) 2.5 mm[.098 in] Dimensions Connector Length 7.5 mm[.499 in] Usage Conditions Operating Temperature Range 20 – 95 °C[4 – 203 °F] Operation/Application Circuit Application Signal Industry Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Termination Method to Printed Circuit Board | Through Hole - Solder |
| PCB Mount Retention Type Retention Solder Tails Mating Retention Type Polarized Lock Connector Mounting Type Board Mount Mating Alignment Without PCB Mount Alignment With Housing Features Housing Material Centerline (Pitch) Connector I ength Connector I ength Connector Height Usage Conditions Operating Temperature Range Operation/Application Circuit Application Industry Standards Agency/Standard UL UL Flammability Rating Polarized Lock Polarized Lock Retention Solder Tails Board Mount With Polarized Lock Without Without Without PCB Mount Alignment Without Without After Mount Alignment Without With After Mount Alignment Without PCB Mount Alignment Without Without PCB Mount Alignment Without Without PCB Mount Alignment Without With With After Mount Alignment Without PCB Mount Alignment Without Without With After Mount Alignment Without PCB Mount Alignment Without Without PCB Mount Alig | Mechanical Attachment | |
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| Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mml.098 in] Dimensions Connector Length 7.5 mml.295 in] Connector Height 10.4 mml 409 in] Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UI Flammability Rating UI 94V-0 Packaging Features Packaging Quantity 1000 | Mating Retention Type | Polarized Lock |
| PCB Mount Alignment Without PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mm[.098 in] Dimensions Connector Length 7.5 mm[.295 in] Connector Height 10.4 mm[.409 in] Usage Conditions Operating Temperature Range -20 –95 °C[.4 – 203 °F] Operation/Application Circuit Application Industry Standards Agency/Standard UL UL Flammability Rating UL 94V 0 Packaging Features Packaging Quantity 1000 | Connector Mounting Type | Board Mount |
| PCB Mount Retention With Housing Features Housing Material 6/6 Nylon Centerline (Pitch) 2.5 mm[.098 in] Dimensions Connector Length 7.5 mm[.295 in] Connector Height 10.4 mm[.409 in] Usage Conditions Operating Temperature Range -20 - 95 °C[-4 - 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Mating Alignment | Without |
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| Centerline (Pitch) Dimensions Connector Length 7.5 mm[.295 in] Connector Height 10.4 mm[.409 in] Usage Conditions Operating Temperature Range -20 - 95 °C[-4 - 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Housing Features | |
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| Connector Length 7.5 mm[.295 in] Connector Height 10.4 mm[.409 in] Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL 94V-0 Packaging Features Packaging Quantity 1000 | Centerline (Pitch) | 2.5 mm[.098 in] |
| Connector Height Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Dimensions | |
| Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Connector Length | 7.5 mm[.295 in] |
| Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Connector Height | 10.4 mm[.409 in] |
| Operation/Application Circuit Application Signal Industry Standards Agency/Standard UL UL Flammability Rating Packaging Features Packaging Quantity 1000 | Usage Conditions | |
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| Industry Standards Agency/Standard UL UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1000 | Operation/Application | |
| Agency/Standard UL UL Flammability Rating Packaging Features Packaging Quantity 1000 | Circuit Application | Signal |
| UL Flammability Rating Packaging Features Packaging Quantity 1000 | Industry Standards | |
| Packaging Features Packaging Quantity 1000 | Agency/Standard | UL |
| Packaging Quantity 1000 | UL Flammability Rating | UL 94V-0 |
| | Packaging Features | |
| Packaging Type Bag | Packaging Quantity | 1000 |
| | Packaging Type | Bag |

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed |
| 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

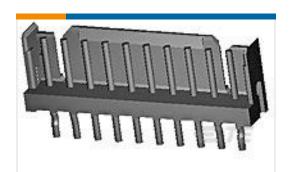
Compatible Parts





Customers Also Bought





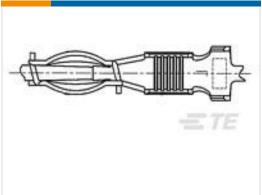
TE Part #292161-6 CT P/HDR ASSY V 6P W/KINK NAT



TE Part #292207-9 MINI CT SGL DIP V 9P NAT



TE Part #63658-1 MAG MATE TERM 25-22 016TPBR



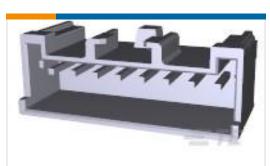
TE Part #353937-1
2.3 CLUSTER REC AMPLIVAR TYPE



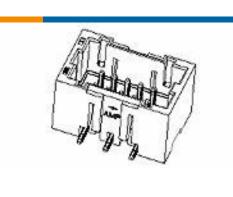
TE Part #1318127-1 DYNAMIC D2100 HDR V ASSY 20P



TE Part #172106-2 V-TYPE E.I.S CONN. 2P ASSY



TE Part #917786-1
2.5 S.D.L POST HDR ASY 8P STD



TE Part #2-292229-2 1.5 MINI CT D/R SMT 22P V ONTA



TE Part #6-292207-1 MINI CT SGL DIP V 11P BLUE

Documents

Product Drawings

EIS POST HDR V 2P

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172487-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172487-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172487-2_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .098 in [2.5 mm] Centerline, Partially Shrouded, Pre-Tin, Through Hole - Solder, Signal



1-1773972-5_EIS_Connectors_Brochure

English

Product Specifications

Crimping of AMP El Series Connector Contacts

Japanese

Application Specification

Japanese

Agency Approvals

Agency Approval Document

English