

1971742-1 ✓ ACTIVE

LUMAWISE

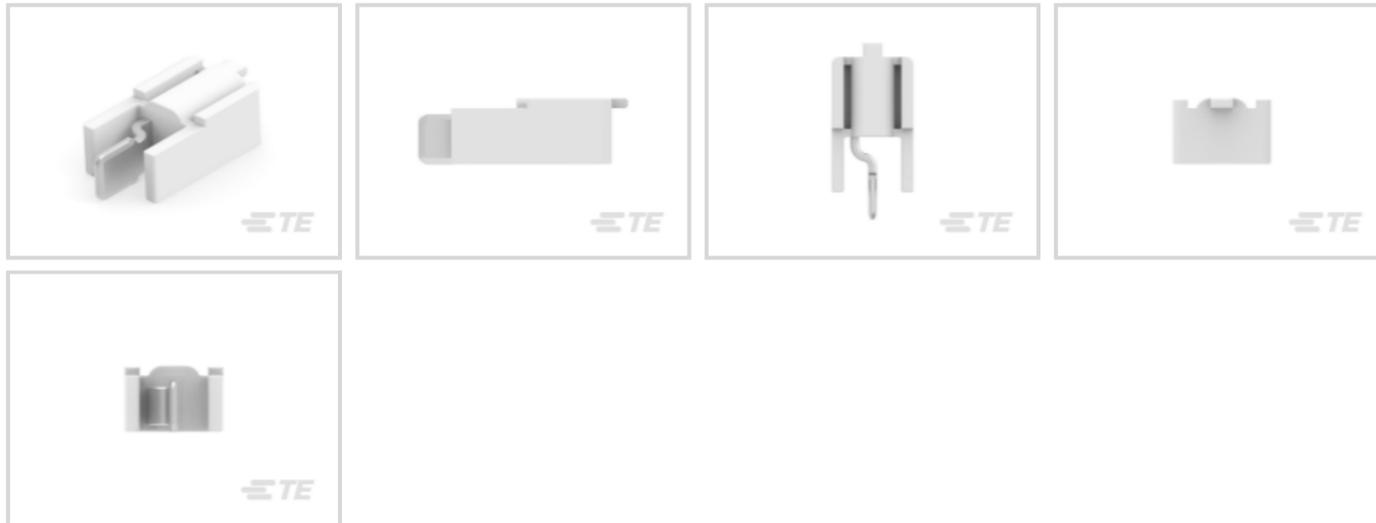
TE Internal #: 1971742-1

PCB Mount Header, Horizontal, Board-to-Board, 1 Position, Tin (Sn), Surface Mount, Signal, Natural, Tape & Reel

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Connectors > PCB Connectors > PCB Headers & Receptacles > Mini Hermaphroditic Connectors



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **1**

Number of Rows: **1**

PCB Mount Orientation: **Horizontal**

[All Mini Hermaphroditic Connectors \(8\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	1
Number of Rows	1
PCB Mount Orientation	Horizontal

Body Features

Primary Product Color	Natural
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2 – 6 μm [78.74 – 251 μin]
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Mating Tab Thickness	.3 mm[.012 in]
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PCB Contact Termination Area Plating Material	Tin
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Contact Fabrication	Stamped & Formed
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Contact Mating Area Plating Material Finish	Matte
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Mating Tab Width	1.55 mm[.061 in]
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Contact Mating Area Plating Material Thickness	2 – 5 μ m
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Blade
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Contact Current Rating (Max)	3 A
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Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Mating Retention	Without
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Mating Retention Type	Contact Friction
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Connector Mounting Type	Board Mount
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PCB Mount Alignment	Without
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PCB Mount Retention	Without
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Housing Features

Housing Material	LCP
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Dimensions

	.079 in
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Connector Length	5.9 mm[.232 in]
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
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Compatible With Approved Standards Products	UL 1977, UL E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tape & Reel
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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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Customers Also Bought



Documents

Product Drawings

[1P male slim board to board connector](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1971742-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971742-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971742-1_A1.2d_dxf.zip](#)

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[7-1773456-9_Mini_Herm](#)

English

[7-1773456-9_Mini_Herm](#)

Product Specifications

[Application Specification](#)

English

Agency Approvals

1971742-1

PCB Mount Header, Horizontal, Board-to-Board, 1 Position, Tin (Sn), Surface Mount, Signal, Natural, Tape & Reel



Mini Hermaphroditic Connectors

English