



Search by part # or keyword

[Products](#)

[Industries & Solutions](#)

[Resources](#)

[TE Store](#)

[Sign In](#)



[Connectors](#) > [PCB Connectors](#) > [Wire-To-Board Connectors](#) > [Headers & Receptacles](#)

1-1735446-2

2MM PITCH HPI POST HEADER, VERTICAL, 12P



TE Internal #: **1-1735446-2**

TE Internal Description: **2MM PITCH HPI POST HEADER, VERTICAL, 12P**

PCB Connector Assembly Type : **PCB Mount Header**

PCB Mount Orientation : **Vertical**

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

Number of Positions : **12**

Centerline (Pitch) : **2 mm [.079 in]**

[Order Samples](#) | [Similar Products](#) |

[Compatible Parts & Tooling](#)

QTY:

Extended Price:

We are here to help!

Get in touch with our product experts.



[CHAT WITH US](#)



[EMAIL US](#)



[CALL US](#)

Feedback

Documents

Features

Product Compliance

Product Drawings

2MM PITCH HPI POST HEADER, VERTICAL, 12P

[2MM PITCH HPI POST HEADER, VERTICAL, 12P](#)

(TIFF AVAILABLE) English

CAD Files

PCB Design

[CAD Models from SnapEDA](#)

[CAD Models from Ultra Librarian](#)

Customer View Model

[ENG_CVM_CVM_1-1735446-2_C.2d_dxf.zip](#)

English

3D PDF

[3D_CVM_CVM_1-1735446-2_C.pdf](#) 3D

Customer View Model

[ENG_CVM_CVM_1-1735446-2_C.3d_igs.zip](#)

English

[ENG_CVM_CVM_1-1735446-2_C.3d_stp.zip](#)

English

Datasheets & Catalog Pages

1-1773713-2_HIGH_PERFORMANCE_INTERCONNECT_QUICK_REFERENCE_GUIDE_EN

[ENG_DS_1-1773713-2_HPI_QRG_EN_0114_1-1773713-2HPI_Connectors_0114.pdf](#) English

Product Specifications

Product Specification
[ENG_SS_108-51087_D.pdf](#) English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

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

Configuration Features

Connector Contact Load Condition : **Fully Loaded**
PCB Mount Orientation : **Vertical**
Number of Positions : **12**
Number of Rows : **1**

Electrical Characteristics

Operating Voltage (VAC): **250**
Operating Voltage (VDC): **250**

Contact Features

Contact Base Material : **Copper Alloy**
PCB Contact Termination Area Plating Material : **Tin**
Contact Underplating Material : **Nickel**
Contact Shape : **Square**
Contact Mating Area Plating Material : **Tin**
Contact Mating Area Plating Material Finish : **Bright**
Contact Type : **Pin**
Contact Current Rating (Max) (A): **3**
PCB Contact Termination Area Plating Thickness : **2.03 µm [79.92 µin]**
PCB Contact Termination Area Plating Material Finish : **Bright**
Mating Post Length : **3.35 mm [.131 in]**
Contact Layout : **Inline**

Termination Features

Termination Method to Printed Circuit Board : **Through Hole**
Termination Post & Tail Length : **3.4 mm [.134 in]**

Mechanical Attachment

PCB Mount Retention Type : **Retention Solder Tails**
PCB Mount Alignment : **Without**
Mating Retention : **With**
PCB Mount Retention : **With**
Connector Mounting Type : **Board Mount**
Mating Retention Type : **Locking**
Strain Relief : **Without**
Contact Retention : **Without**

Housing Features

Centerline (Pitch) : **2 mm [.079 in]**
Housing Color : **Natural**
Housing Material : **Thermoplastic**



Dimensions	<p>Wire Size (AWG): 30 – 30</p> <p>PCB Thickness (Recommended) : 1 – 1.6 mm [.039 – .063 in]</p> <p>Length : 26 mm [1.0236 in]</p> <p>Height : 6.07 mm [.239 in]</p> <p>Width : 4.7 mm [.185 in]</p>
Usage Conditions	Operating Temperature Range : -25 – 85 °C [-13 – 185 °F]
Industry Standards	UL Flammability Rating : UL 94V-0
Packaging Features	<p>Packaging Quantity : 200</p> <p>Packaging Method : Bag</p>
EU RoHS Directive 2011/65/EU	<p><i>This declaration covers EU Directive 2011/65/EU incl. Delegated Directive 2015/863/EU. The restrictions under 2015/863/EU apply as of 22 July 2021 for EEE categories 8 (medical devices) and 9 (monitoring and control equipment).</i></p>
EU ELV Directive 2000/53/EC	
China RoHS 2 Directive MIIT Order No 32, 2016	
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2019 (197)</p> <p>Candidate List Declared Against: JAN 2019 (197)</p>
Halogen Content	
Solder Process Capability	Wave solder capable to 240°C
Statement of Compliance	Statement of Compliance pdf
Compliance Documents	There may be Environmental Compliance related documents on the DOCUMENTATION Tab
Disclaimer	<p>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</p>

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>

Products with Similar Specs

[View All Similar Products](#)

THIS PRODUCT

TOP RESULTS

WIRE-TO-BOARD HEADERS &...

1-1735446-2

2MM PITCH HPI POST HEADER,
VERTICAL, 12P



From

In-Stock

PCB Connector Assembly Type :
PCB Mount Header
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **12**
Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

1-1735446-0

2MM PITCH HPI POST HEADER,
VERTICAL, 10P



From

In-Stock

PCB Connector Assembly Type :
PCB Mount Header
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **10**
Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

1735446-9

2MM PITCH HPI POST HEADER,
VERTICAL, 9P



From

In-Stock

PCB Connector Assembly Type :
PCB Mount Header
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **9**
Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

1735446-4

2MM PITCH HPI POST HEADER,
VERTICAL, 4P



From

In-Stock

PCB Connector Assembly Type :
PCB Mount Header
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **4**
Centerline (Pitch) : **2 mm**

