



Search by part # or keyword

[Products](#)

[Industries & Solutions](#)

[Resources](#)

[TE Store](#)

[Sign In](#)



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

440054-2

2.0MM,HDR,2POS,VERTICAL



TE Internal #: **440054-2**
 TE Internal Description:
2.0MM,HDR,2POS,VERTICAL

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

PCB Mount Orientation : **Vertical**
 Connector System : **Wire-to-Board**
 Number of Positions : **2**
 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

2.0MM,HDR,2POS,VERTICAL

[2.0MM,HDR,2POS,VERTICAL](#) English

CAD Files

PCB Design

[CAD Models from SnapEDA](#)

[CAD Models from Ultra Librarian](#)

3D PDF

[3D_CVM_CVM_440054-2_F4.pdf](#) 3D

Customer View Model

[ENG_CVM_CVM_440054-2_F4.2d_dxf.zip](#)

English

[ENG_CVM_CVM_440054-2_F4.3d_igs.zip](#)

English

[ENG_CVM_CVM_440054-2_F4.3d_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

Test Report for Cross Use Test, AMP 2.0mm HPI with JST PH

[S_502-57000-1_A.tif](#) English

Engineering Report

[S_502-57000-1_A.pdf](#) English

Product Specification

[ENG_SS_108-1235-1_A.pdf](#) English

[ENG_SS_108-57100_D.pdf](#) English

[S_108-57100-1_A2.tif](#) English

[ENG_SS_108-57100-1_A2.pdf](#) English

Qualification Test Report

[ENG_SS_501-57058_B.pdf](#) English

[ENG_SS_501-57058-1_O2.pdf](#) English

[S_501-57058-1_O2.tif](#) English

Product Environmental Compliance

MD_440054-2_0607201896_dmtec

[ENG_PC_MD_440054-2_J\(705659\).xlsx](#) English

MD_440054-2_0607201896_dmtec

[ENG_PC_MD_440054-2_J\(681670\).xml](#) English

Agency Approvals

UL

[ENG_AAD_UL_E28476_20001207_C.pdf](#)

English

UL Report



[ENG_AAD_UL_CERT_ML_E186634_E28476_20001200_A.pdf](#) English

CSA Certificate

[ENG_AAD_CSA_222156_6233_1475575_A.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

PCB Mount Orientation : **Vertical**

Number of Positions : **2**

Number of Rows : **1**

Electrical Characteristics

Operating Voltage (VAC): **250**

Operating Voltage (VDC): **250**



Contact Features
Contact Base Material : **Brass**
PCB Contact Termination Area Plating Material : **Tin**
Contact Shape : **Square**
Contact Mating Area Plating Material : **Tin**
Contact Mating Area Plating Material Finish : **Bright**
Contact Mating Area Plating Material Thickness :
2.032 μm [80 μin]
Contact Type : **Pin**
Contact Current Rating (Max) (A): **3**
PCB Contact Termination Area Plating Material Finish : **Bright**
Mating Post Length : **3.35 mm [.131 in]**

Termination Features
Termination Method to Printed Circuit Board : **Through Hole**
Termination Method to Wire & Cable : **Crimp**
Termination Post & Tail Length : **3.4 mm [.134 in]**
Terminations per Post (Max) : **3**

Mechanical Attachment
PCB Mount Retention Type : **Kinked Tines**
Contact Retention Type : **Locking Lance**
PCB Mount Alignment : **Without**
Mating Retention : **Without**
PCB Mount Retention : **With**
Connector Mounting Type : **Board Mount**
Contact Retention : **With**

Housing Features
Centerline (Pitch) : **2 mm [.079 in]**
Housing Color : **Natural**
Housing Material : **Nylon 66 GF**

Dimensions
Wire Size (AWG): **30 – 24**
Accepts Wire Insulation Diameter Range :
.9 mm [.0354 – .059 in]
PCB Thickness (Recommended) : **1 – 1.6 mm [.039 – .063 in]**
Length : **6 mm [.236 in]**
Height : **6.05 mm [.238 in]**
Width : **4.7 mm [.185 in]**

Usage Conditions
Operating Temperature Range : **-25 – 85 °C [-13 – 185 °F]**

Operation/Application
Circuit Application : **Signal**

Industry Standards
UL Flammability Rating : **UL 94V-0**

Packaging Features
Packaging Quantity : **300**
Packaging Method : **Bag**

EU RoHS
Directive
2011/65/EU

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).

EU ELV Directive
2000/53/EC

China RoHS 2
Directive MIIT
Order No 32, 2016

EU REACH
Regulation (EC)
No. 1907/2006

Current ECHA Candidate List: **JAN 2019 (197)**
Candidate List Declared Against: **JAN 2019 (197)**

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

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>

THIS PRODUCT

TOP RESULTS [?](#)

WIRE-TO-BOARD HEADERS &...

440054-2

2.0MM, HDR, 2POS, VERTICAL



From

In-Stock

PCB Connector Assembly Type :

PCB Mount Header

PCB Mount Orientation : **Vertical**

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

Number of Positions : **2**

Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

3-440054-2

2P 2.0MM PITCH HPI, VERTICAL,



Non-Stocked

PCB Connector Assembly Type :

PCB Mount Header

PCB Mount Orientation : **Vertical**

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

Number of Positions : **2**

Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

4-440054-2

HPI 2.0MM, HDR, 2POSVERTICAL, YEL



Non-Stocked

PCB Connector Assembly Type :

PCB Mount Header

PCB Mount Orientation : **Vertical**

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

Number of Positions : **2**

Centerline (Pitch) : **2 mm**

WIRE-TO-BOARD HEADERS &...

2-440054-2

HPI 2.0MM, HDR, 2POSVERTICAL, BLU



Non-Stocked

PCB Connector Assembly Type :

PCB Mount Header

PCB Mount Orientation : **Vertical**

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

Number of Positions : **2**

Centerline (Pitch) : **2 mm**

[ABOUT TE CONNECTIVITY](#)

[FOR PARTNERS](#)

[SUPPORT](#)

[CALL US](#)

[LIVE CHAT](#)

[UNITED STATES \(EN\)](#)