



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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]**

Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Contact Mating Area Length	3.35 mm[.131 in]
Mating Square Post Dimension	.5 mm[.02 in]



Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
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)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Terminations per Post (Max)	3
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Wire & Cable	Crimp
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Kinked Tines
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	6 mm[.236 in]
Connector Height	6.05 mm[.238 in]
Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Wire Size	30 – 24 AWG



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

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 240°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

TE Model / Part # 440129-2
2.0MM,HSG,2POS

TE Model / Part # 6-440129-2
HPI 2.0MM,HSG,2POS,BLACK

TE Model / Part # 2-440129-2
HPI 2.0MM,HSG,2POS,BLU

TE Model / Part # 4-440129-2
HPI 2.0MM,HSG,2POS,YELLOW

TE Model / Part # 8-440129-2
HPI 2.0MM,HSG,2POS,RED

Customers Also Bought

TE Model / Part #1-1571983-1
GDH08STR04=DIP SWITCH

TE Model / Part #1734753-1
MINI USB, TYPE B, VERTICAL, T/H

TE Model / Part #440054-3
2.0MM,HDR,3POS,VERTICAL

TE Model / Part #440129-4
2.0MM,HSG,4POS

TE Model / Part #440129-2
2.0MM,HSG,2POS

TE Model / Part #440129-3
2.0MM,HSG,3POS

TE Model / Part #440055-2
2.0MM,HDR,2POS,R/A

TE Model / Part #1735801-1
2.0mm,Crimp,Contact



TE Model / Part #440054-4
2.0MM,HDR,4POS,VERTICAL



TE Model / Part #5-146280-3
03 MODII HDR SRST B/A .100CL

Documents

Product Drawings

2.0MM,HDR,2POS,VERTICAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_440054-2_F4.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_440054-2_F4.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_440054-2_F4.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773713-2_HIGH_PERFORMANCE_INTERCONNECT_QUICK_REFERENCE_GUIDE_EN

English

Product Specifications

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

English

Engineering Report

English

Product Environmental Compliance

MD_440054-2_0607201896_dmtec

English

MD_440054-2_0607201896_dmtec

English

Agency Approvals

UL

440054-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Natural, Partially Shrouded, Printed Circuit Board



English