



TE Internal #: 1-2390868-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Sealable, Power

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	2
Keying & Polarized Rib Location	1c
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.8 µm[149.6 µin]
Mating Tab Width	6.3 mm[.248 in]
PCB Contact Termination Area Plating Material Thickness	.381 µm[149.6 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline, Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.8 mm[.032 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	16 A

Termination Features

Rectangular Termination Post & Tail Thickness	16 mm
Termination Post & Tail Length	.8 mm[.032 in]
Square Termination Post & Tail Dimension	.8 mm[.032 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Nylon 66
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Centerline (Pitch)	5 mm[.197 in]
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Dimensions

Connector Width	5 mm[.197 in]
Connector Height	12.8 mm[.503 in]
Connector Length	12.3 mm[.48 in]
Profile Height from PCB	.58 mm[.5 in]

Usage Conditions

Housing Temperature Rating	Standard 248 °F
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power

Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 Part # 1-521204-7

HSG, POS LOCK, .250 SERIES, 2 POSITION

TE Part # 521204-7

RAST 5,HSG,2P,POSILOCK MKIII

Customers Also Bought

TE Part #177917-1

AMP POWER DBL LOCK TAB (L)

TE Part #2176338-1

CRGCQ 0402 1R0 5%

TE Part #2005248-1

PDL 2P CAP 3.96 F/H(GWT) NAT

TE Part #964203-1

STD PW TIMER CONTACT

TE Part #2301995-2

RJ45 JACK INT.MAG. 10/100 1X1 VERT.

TE Part #179838-1

AMP POWER D/LOCK T/HDR ASSY 2P

TE Part #1-2176331-6

CRGP 2512 180R 1%

TE Part #4-1623929-3

CFR200 5% 4K7



Documents

Product Drawings
2P, RAST 5 HEADER, PL, SHROUDED
English

CAD Files
Customer View Model
ENG_CVM_CVM_1-2390868-2_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-2390868-2_A.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_1-2390868-2_A.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
RAST Connector System Catalog
English

Product Specifications
Product Specification
English

Agency Approvals
VDE Certificate
English