

TE Internal #: 2390868-2  
 PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Sealable, Power, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **5 mm [.197 in]**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features

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Primary Product Color	Natural
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### Contact Features

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

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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



### Dimensions

Connector Length	12.3 mm[.48 in]
Connector Height	12.8 mm[.503 in]
Connector Width	5 mm[.197 in]
Profile Height from PCB	.58 mm[12.3 in]
Row-to-Row Spacing	5 mm[14.9 in]

### Usage Conditions

Housing Temperature Rating	Standard 5 °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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 521204-6  
RAST 5,HSG,2P,POSILOCK MKIII



TE Part # 1-521204-1  
RAST 5,HSG,2P,GWT POSILOCK MKI

TE Part # 1-521204-5  
HSG, POS LOCK, .250 SERIES, 2 POSITION

TE Part # 1-521204-2  
RAST5,HSG,2P,natl 02-A POSILOK

### Customers Also Bought



TE Part #2301242-1  
PDL CONN. 3.96MM PITCH PLUG HOUSING 6POS



TE Part #1969453-1  
POSITIVE LOCK 250 HOUSING RECEPTACLE



TE Part #1-2351101-5  
5P MONOPLUG 2.5



TE Part #1376477-7  
2.5MM PITCH SIGNAL MATE CONN

TE Part #2-2232701-1  
NEW GI CONN2.5 PLUG HSG 2P NC



TE Part #2325926-3  
3P MONOPLUG POWER

TE Part #1-2406852-3  
3P MONOPLUG 2.5 W TUBE-B

TE Part #1-2452953-3  
3P POTTED RAST 2.5 HEADER



## Documents

### Product Drawings

[2P, RAST 5 HEADER, PL, SHROUDED](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2390868-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2390868-2\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_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.

### Product Specifications

[Product Specification](#)

English