



RAST 5

TE Internal #: 2292457-3
RAST 5, PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5mm [.197in] Centerline, 1 Row, Tin, Natural Housing Color, Fully Shrouded

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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: **3**
Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Keying & Polarized Rib Location	1c,1d,2c,3d
Number of Columns	3
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features



Contact Layout	Inline
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.8 μm[149.6 μin]
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.032 in]
Contact Underplating Material Thickness	1.27 μm[50 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Rectangle
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.8 μm[149.6 μin]
Contact Type	Tab
Contact Current Rating (Max)	16 A

Termination Features

Square Termination Post & Tail Dimension	.8 mm[.032 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

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Connector Length	17.3 mm[.68 in]
Connector Height	12.8 mm[.503 in]
Connector Width	14.9 mm[.58 in]
Row-to-Row Spacing	5 mm[.197 in]

Usage Conditions

Housing Temperature Rating	Standard
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
Agency/Standard	UL
UL Rating	Recognized
UL File Number	E28476
VDE Tested	Yes

Packaging Features

Packaging Method	Loose Piece
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Product Compliance

For compliance documentation, visit the product page on TE.com>

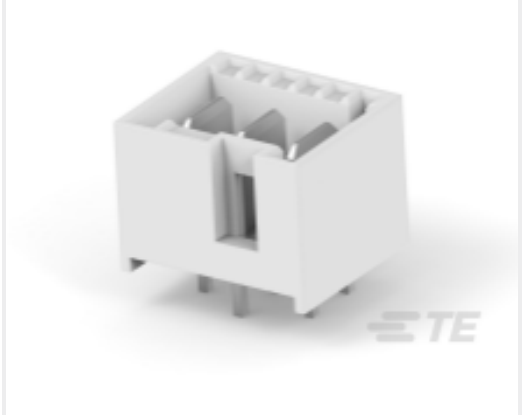
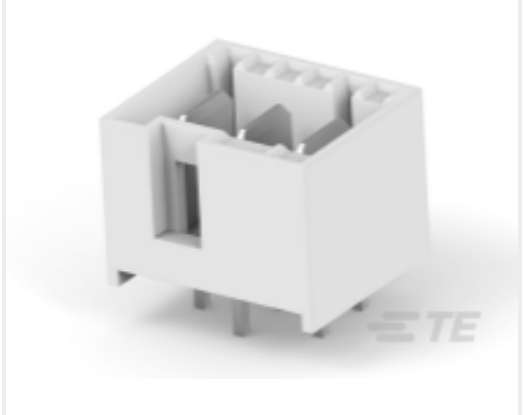
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not 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 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>

Compatible Parts

 TE Part # 2292457-2 2P, RAST 5 HEADER, PL, SHROUDED	 TE Part # 1-2232043-3 3P, RAST 5 Tab Header, THV	 TE Part # 1-2232511-3 3P, RAST 5 TAB HEADER, THV	 TE Part # 1-2292457-2 2P, RAST 5 HEADER, PL, SHROUDED
 TE Part # 1969501-1 ASSY, TAB HDR, 7MM, 6.35 SERIES, 3 POS	 TE Part # 1969503-1 ASSY, TAB HDR, 7MM, 6.35 SERIES, 3 POS	 TE Part # 1969521-1 ASSY, TAB HDR, EXT, 7MM, 6.35 SER, 3 POS	 TE Part # 1969522-1 ASSY, TAB HDR, EXT, 7MM, 6.35 SER, 3 POS
 TE Part # 2-2232043-3 3P, RAST 5 Tab Header, THV	 TE Part # 2292457-4 4P, RAST 5 HEADER, PL, SHROUDED	 TE Part # 2324619-2 2P, RAST5 HEADER, PL, SHROUDED, OPPOSITE	 TE Part # 3-2232043-3 3P, RAST 5 Tab Header, THV
 TE Part # 4-2232043-3 3P, RAST 5 Tab Header, THV	 TE Part # 5-2232043-3 3P, RAST 5 Tab Header, THV	 TE Part # 6-2232043-3 3P, RAST 5 Tab Header, THV	



Also in the Series

RAST 5

Wire-to-Board Connector Assemblies & Housings(1)

Wire-to-Board Headers & Receptacles (8)

Customers Also Bought

TE Part #2-2232546-1
STD Temp Sig GRACE INERTIA Header

TE Part #4-1971793-3
STD Temp Sig GRACE INERTIA Plug

TE Part #2-2232962-5
5P POTTED RAST 2.5 HEADER

TE Part #2292457-2
2P, RAST 5 HEADER, PL, SHROUDED

TE Part #1-2232962-9
9P POTTED RAST 2.5 HEADER

TE Part #1969590-3
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5

TE Part #1-2232979-4
SGI2.0 PLUG ASSEMBLY 4P, KEY A, NTL

TE Part #2297440-3
MMF,FREE HANGING,PLUG HOUSING

TE Part #8-1971794-1
NEW GI CONN2.5 TPA 8P BLACK

Documents

Product Drawings

3P, RAST 5 HEADER, PL, SHROUDED

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2292457-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2292457-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2292457-3_A.3d_stp.zip](#)

English

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Product Specifications

[Engineering Report](#)

English

Agency Approvals

[VDE Certificate](#)

English