



RAST | RAST 5

TE Internal #: 1-2232009-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Silver (Ag), Through Hole - Solder, Power, RAST 5

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Configuration Features

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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Body Features



Primary Product Color	Yellow
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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	Bright
Mating Tab Width	6.3 mm[.248 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.8 mm[.032 in]
Contact Mating Area Plating Material	Silver (Ag)
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	20 A
PCB Contact Termination Area Plating Material	Silver

Termination Features

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

Mechanical Attachment

Mating Alignment Type	Keyed, Polarization
PCB Mount Alignment Type	Polarizing Pegs
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

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Connector Width	14.9 mm[.58 in]
Connector Height	12.8 mm[.5 in]
Connector Length	17.3 mm[.68 in]

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Method	Loose Piece

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

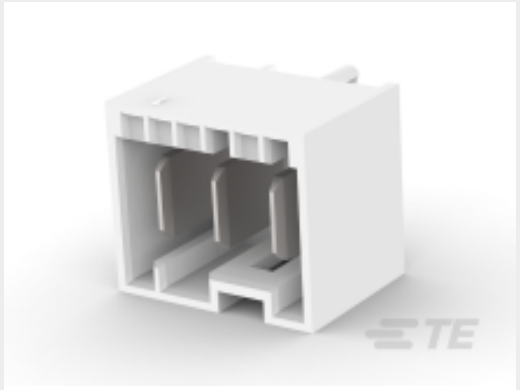
Product Compliance Disclaimer

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

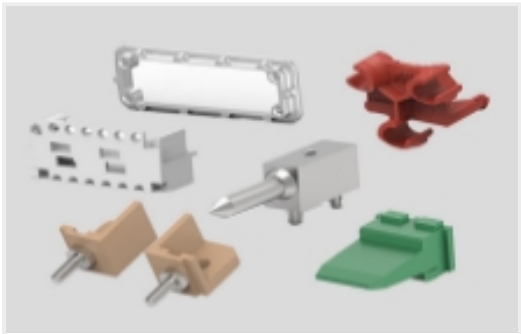
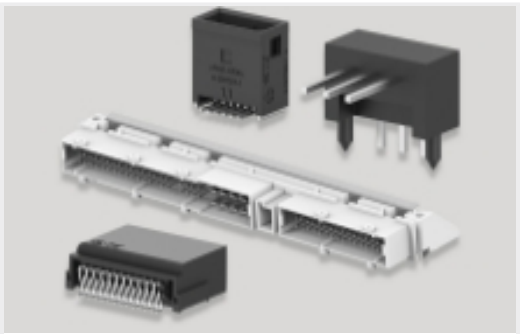


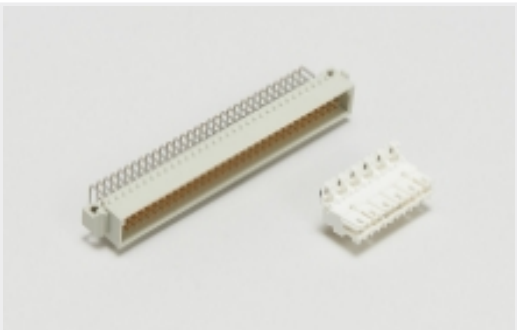
product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles 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 # 4-1971896-3 3P, RAST 5 Tab Header, THV	 TE Part # 4-2232046-3 3P, RAST 5 TAB HEADER, THV	 TE Part # 3-1971949-3 3P, RAST 5 Tab Header, THV	 TE Part # 1-1971947-3 3P, RAST 5 TAB HEADER, THV
 TE Part # 3-1971896-3 3P, RAST 5 Tab Header, THV	 TE Part # 2-1971896-3 3P, RAST 5 Tab Header, THV	 TE Part # 1-1971896-3 3P, RAST 5 Tab Header, THV	 TE Part # 1-2232001-3 3P, RAST 5 TAB HEADER, THV
 TE Part # 4-1971957-3 3P, RAST 5 Tab Header, THV			

Also in the Series | RAST 5

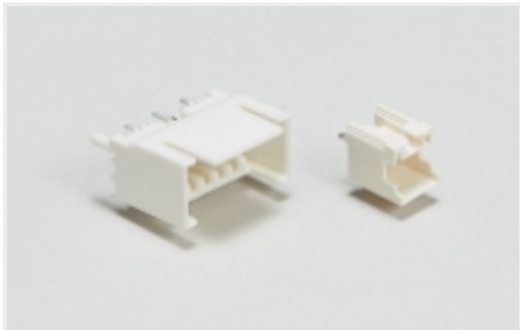
 Connector Contacts(1)	 Connector Hardware(3)	 PCB Headers & Receptacles(130)	 Rectangular Power Connectors(148)
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Standard Edge Connectors(8)



Wire-to-Board Connector Assemblies & Housings(23)



Wire-to-Board Headers & Receptacles (130)

Customers Also Bought



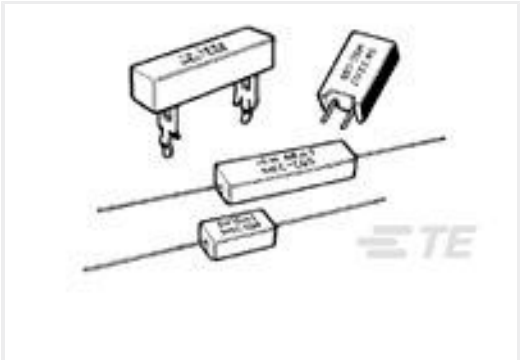
TE Part #YD369-B99-AP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



TE Part #YD369-B99-NP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



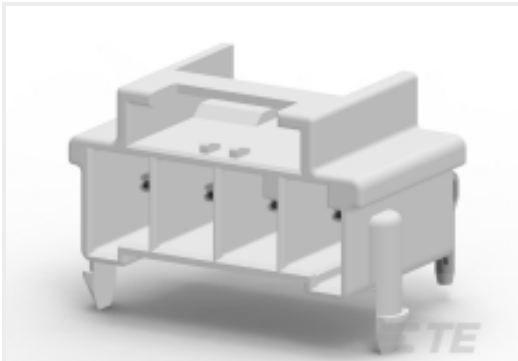
TE Part #YD369-B99-NS400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,SKT



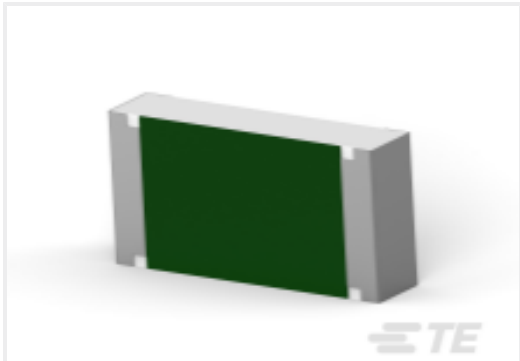
TE Part #2-1623795-3
SQP2 R047 5% WIRE



TE Part #1-1630019-4
HSC200 2K4 5%



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP KEY A LGR



TE Part #9-2176397-4
3502 7K5 1%



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

3P, RAST 5 TAB HEADER, THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2232009-3_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-2232009-3_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2232009-3_C.3d_stp.zip](#)

English

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