



RAST | RAST 5D

TE Internal #: 1-2232511-5

RAST 5D, PCB Mount Header, Vertical, Wire-to-Board, 5 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: **5**

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

Number of Columns	5
PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
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Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 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	2 µm[78.74 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	Guide Pin
Mating Alignment Type	Keyed
Mating Alignment	With
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

Dimensions

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Connector Length	27.3 mm[1.07 in]
Connector Height	12.8 mm[.503 in]
Connector Width	14.9 mm[.58 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

UL Flammability Rating	UL 94V-0
Agency/Standard	UL
UL Rating	Recognized
UL File Number	E28476
VDE Tested	Yes

Packaging Features

Packaging Quantity	150
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	Not Yet Reviewed
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

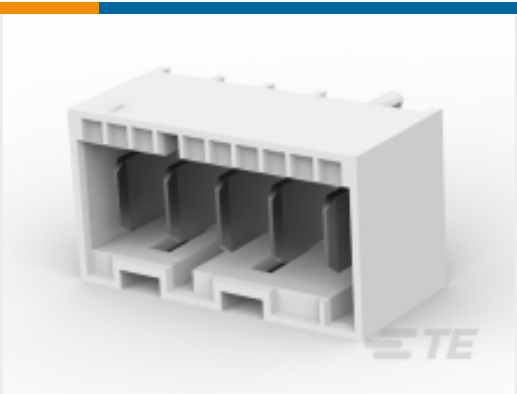
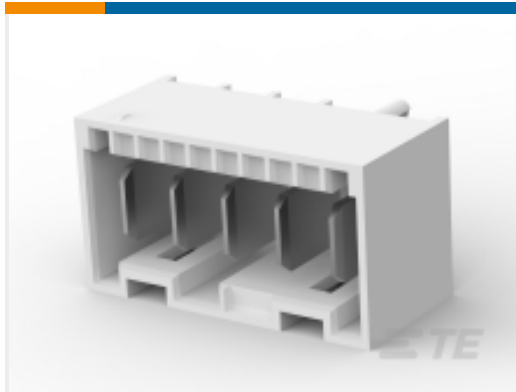
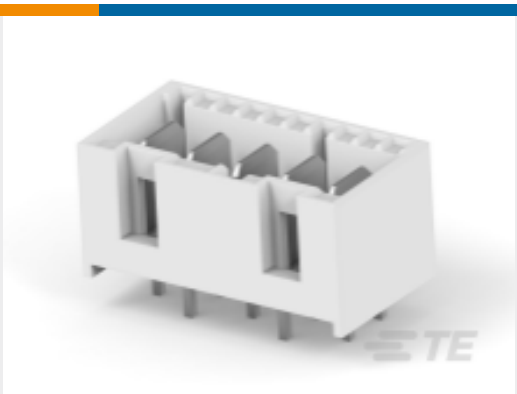
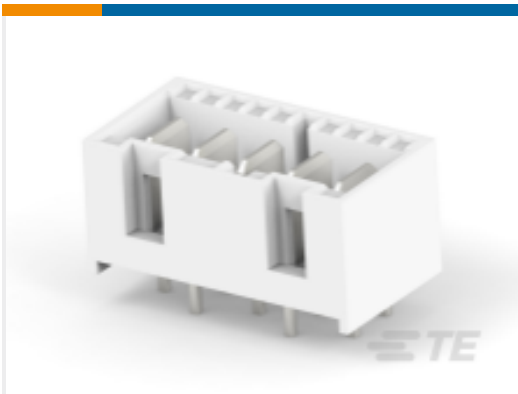
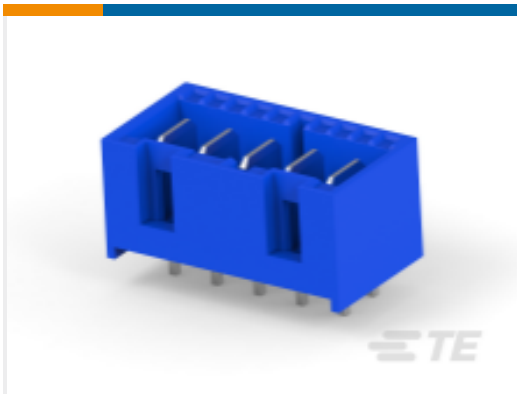
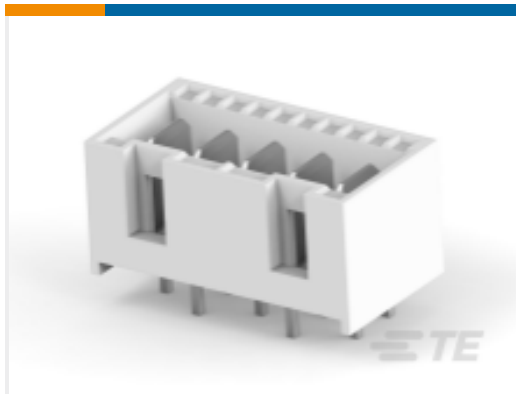
Product Compliance Disclaimer

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 # 1-1971845-5 5P, RAST 5 Tab Header, THV	 TE Part # 1-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 1-2322950-5 5P, RAST 5 TAB HEADER SELEC, THV, OPP	 TE Part # 2-2232043-5 5P, RAST 5 Tab Header, THV
 TE Part # 3-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 4-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 5-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 6-2232043-5 5P, RAST 5 Tab Header, THV
 TE Part # 7-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 8-2232043-5 5P, RAST 5 Tab Header, THV	 TE Part # 8-2232047-5 5P, RAST 5 Tab Header, THV	 TE Part # 9-2232043-5 5P, RAST 5 Tab Header, THV

Also in the Series | RAST 5D

 Automotive Terminals(4)	 Connector Contacts(10)	 Insertion & Extraction Tools(1)	 Wire-to-Board Connector Assemblies & Housings(92)
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Customers Also Bought



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



TE Part #2301329-1
Glow Wire Power Double Lock Plug



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



TE Part #1-2299683-5
EP2.5 HDR 5P VERT W/O BOSS, TAPING, RED



TE Part #1-2352002-5
5P MONOPLUG 2.5, SEL



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



TE Part #2323745-8
HSG, REC, PANEL MOUNT, GWT, DUALROW, EP2.5



TE Part #3-172076-1
POSITIVE LOCK 250 HOUSING RECEPTACLE



TE Part #4-1971798-4
NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.0



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

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_1-2232511-5_A.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_1-2232511-5_A.3d_igs.zip

1-2232511-5

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Centerline, 1 Row, Tin, Natural Housing Color, Fully Shrouded



English

Customer View Model

[ENG_CVM_CVM_1-2232511-5_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Standard Power Timer Connector with TPA](#)

English

Product Specifications

[Engineering Report](#)

English

Agency Approvals

[UL Report](#)

English