1-1971896-3 ✔ ACTIVE

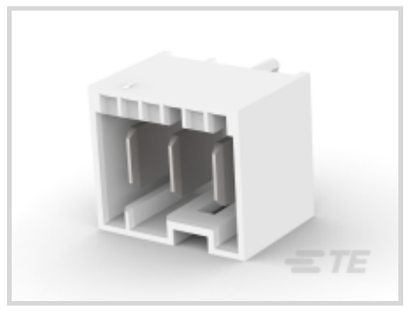
RAST | RAST 5 IDC Connectors

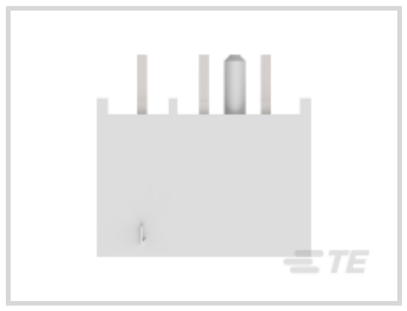
TE Internal #: 1-1971896-3

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **3**

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	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Keying & Polarized Position Locations	1C, 1D, 2C, 3D
Number of Columns	3
Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Mating Area Length	8.5 mm[.33 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.032 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Silver
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Silver
Contact Type	Tab
Contact Current Rating (Max)	20 A

Termination Features

Square Termination Post & Tail Dimension	.8 mm[.032 in]
Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	17.3 mm[.68 in]
Connector Height	12.8 mm[.5 in]
Connector Width	14.9 mm[.58 in]
PCB Thickness (Recommended)	1.5 mm[.06 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	108
Packaging Method	Loose Piece

Product Compliance

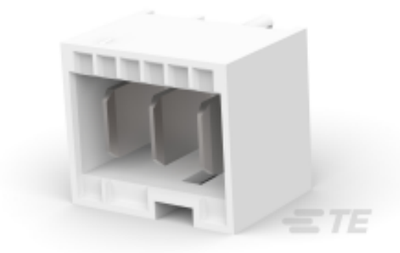
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



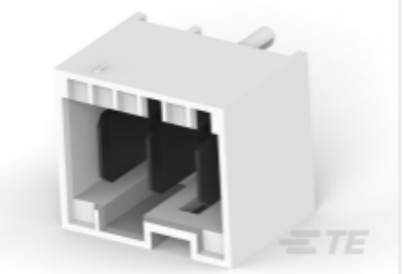
TE Part # 9-2232044-3
3P, RAST 5 Tab Header, THV



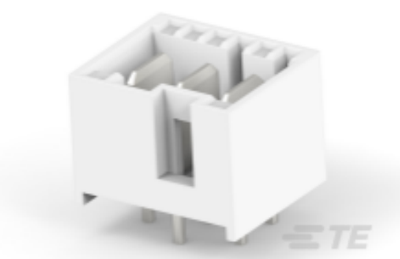
TE Part # 1-1971947-3
3P, RAST 5 TAB HEADER, THV



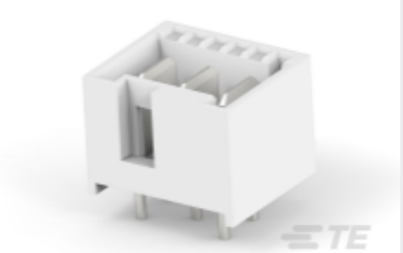
TE Part # 1-2232001-3
3P, RAST 5 TAB HEADER, THV



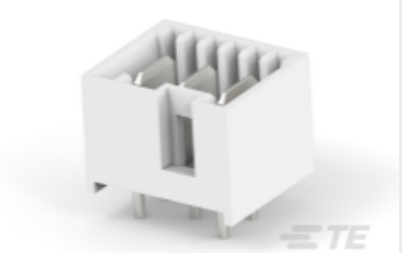
TE Part # 1-2232009-3
3P, RAST 5 TAB HEADER, THV



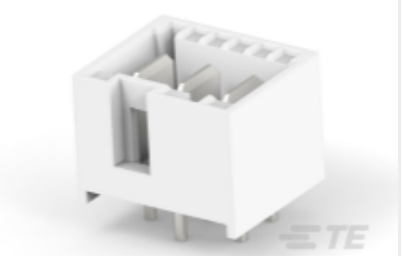
TE Part # 1-2232044-3
3P, RAST 5 Tab Header, THV



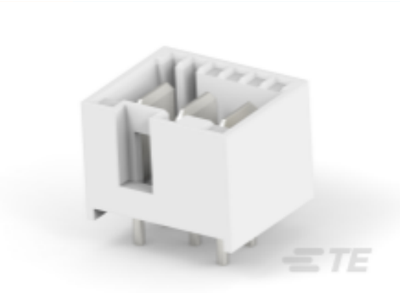
TE Part # 1971896-3
3P, RAST 5 Tab Header, THV



TE Part # 2-1971896-3
3P, RAST 5 Tab Header, THV



TE Part # 2-2232044-3
3P, RAST 5 Tab Header, THV



TE Part # 3-1971896-3
3P, RAST 5 Tab Header, THV



TE Part # 3-1971949-3
3P, RAST 5 Tab Header, THV



TE Part # 4-1971896-3
3P, RAST 5 Tab Header, THV



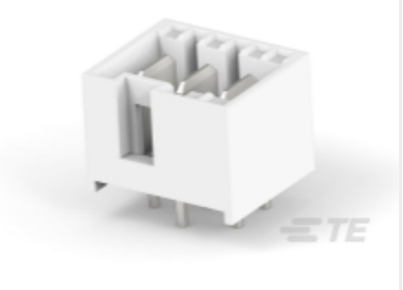
TE Part # 4-1971957-3
3P, RAST 5 Tab Header, THV



TE Part # 4-2232044-3
3P, RAST 5 Tab Header, THV



TE Part # 4-2232046-3
3P, RAST 5 TAB HEADER, THV

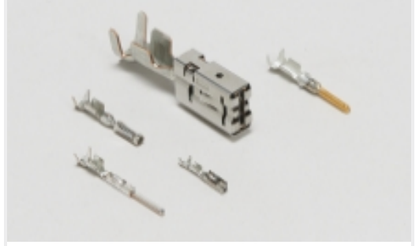


TE Part # 6-2232044-3
3P, RAST 5 Tab Header, THV



TE Part # 8-2232044-3
3P, RAST 5 Tab Header, THV

Also in the Series | RAST 5 IDC Connectors



Automotive Terminals(8)



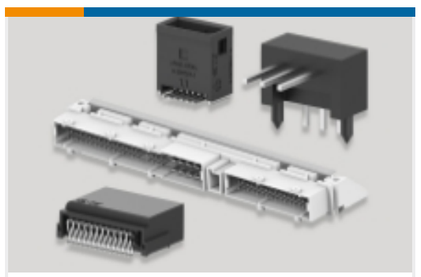
Connector Contacts(14)



Crimp Terminal Housings(39)



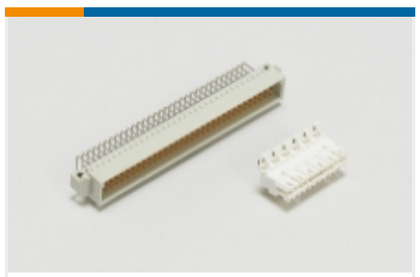
Insertion & Extraction Tools(1)



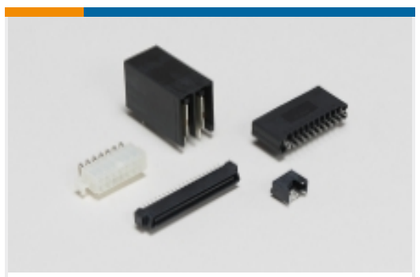
PCB Headers & Receptacles(417)



Rectangular Connector Housings(1)



Standard Edge Connectors(32)

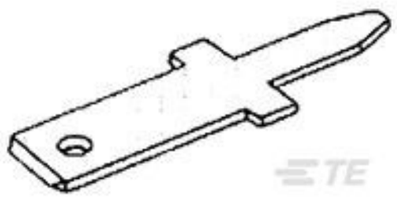


Standard Rectangular Connectors(63)



Wire-to-Board Connector Assemblies & Housings(202)

Customers Also Bought



TE Part #62395-1
110 FASTON TAB TPBR



TE Part #1971845-3
3P, RAST 5 Tab Header, THV

Documents

Product Drawings

3P, RAST 5 Tab Header, THV

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1971896-3_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1971896-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971896-3_D.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

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

3631B101LL MPT100C18RF RH73H2A40MKTN TE50BR39J SBCHE154R7K 1-794222-0 1743455-2
3-1393225-0 936348-1 650075-000 CRGCQ2010J3K3 SMW73R0JT 2377783-2 141991-2 2310537-1
ROX05SJ18R SBCHE64R7K U5254-000005-030PA 1-962915-1 175977-2 1969656-1 CPF0402B37K4E1
1393431-1 1903112-2 2380312-2 2834055-1 917696-1 2-292161-3 2005330-1 3430B2F51RTDF