



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **1**

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	8
Keying & Polarized Position Locations	2D, 3C, 6D, 7C
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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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	Matte
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
Mating Tab Width	6.3 mm[.248 in]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.8 mm[.032 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	16 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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



Dimensions

Connector Width	14.9 mm[.58 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Connector Height	12.8 mm[.503 in]
Connector Length	42.3 mm[1.665 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 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: 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

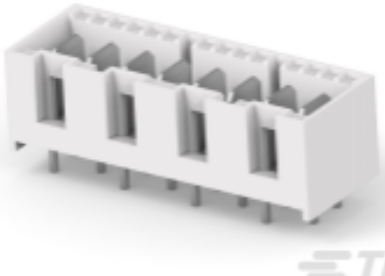
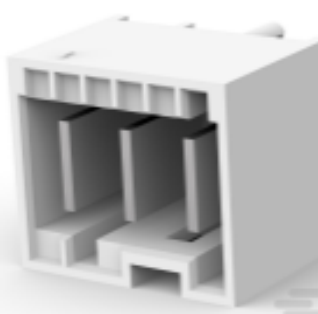
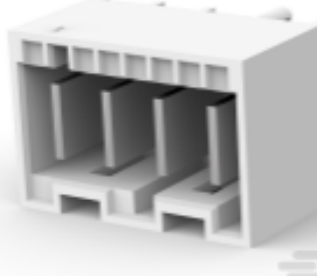
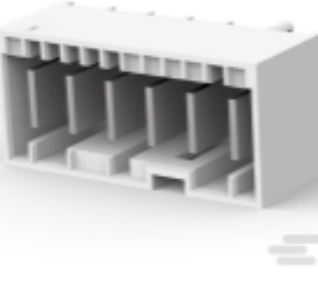
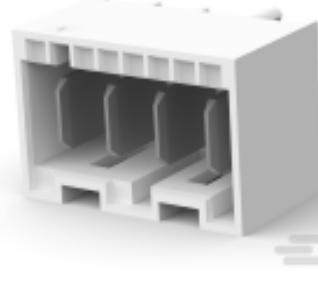
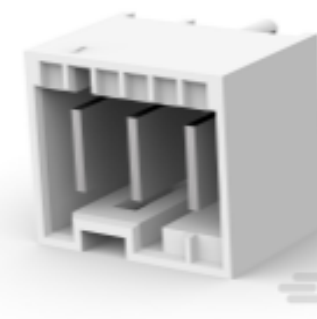
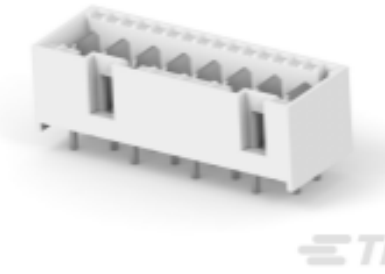
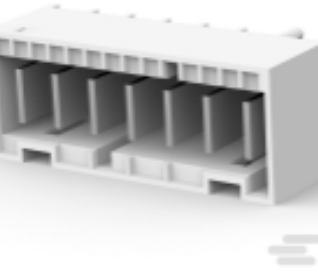
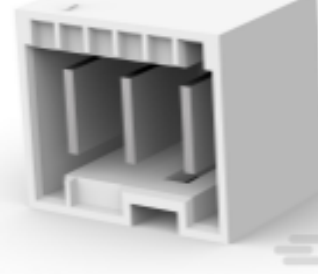
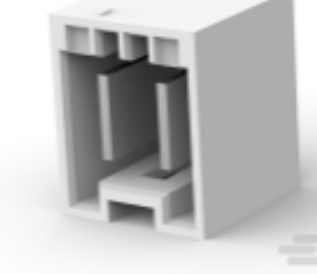
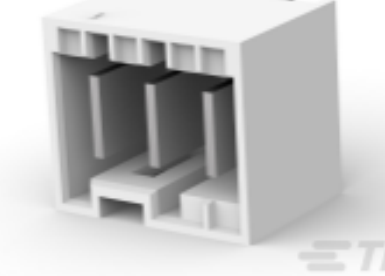
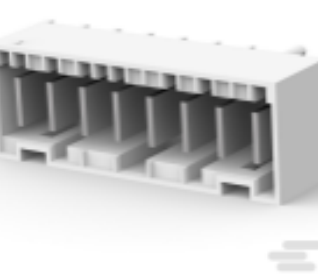
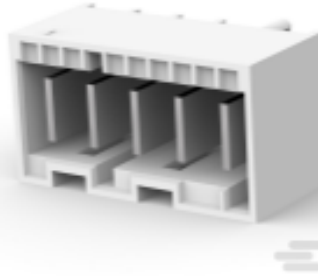
Product Compliance Disclaimer

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 # 1-2232043-8 8P, RAST 5 Tab Header, THV	 TE Part # 7-2232532-3 3P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 3-2232532-3 3P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 1-2232532-4 4P, PL RAST 5 Tab Header, TH,Vertical
 TE Part # 8-2232532-4 4P, RAST 5 TAB HEADER, THV, TUBE PECKAGE	 TE Part # 8-2232532-6 6P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 2232532-4 4P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 2232532-3 3P, PL RAST 5 Tab Header, TH, Vertical
 TE Part # 2-2232043-8 8P, RAST 5 Tab Header, THV	 TE Part # 2232532-7 7P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 4-2232532-3 3P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 2232532-2 2P, PL RAST 5 Tab Header,TH, Vertical
 TE Part # 6-2232532-3 3P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 3-2232532-8 8P, PL RAST 5 Tab Header, TH,Vertical	 TE Part # 2232532-5 5P, PL RAST 5 Tab Header, TH,Vertical	

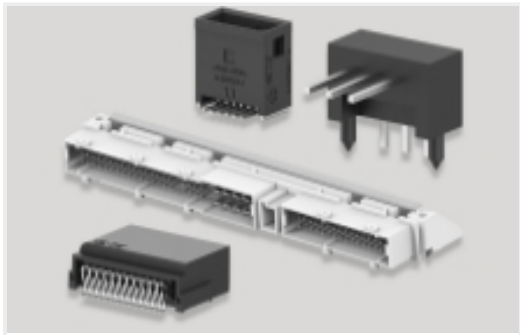
Also in the Series | RAST 5D



Connector Contacts(10)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(69)



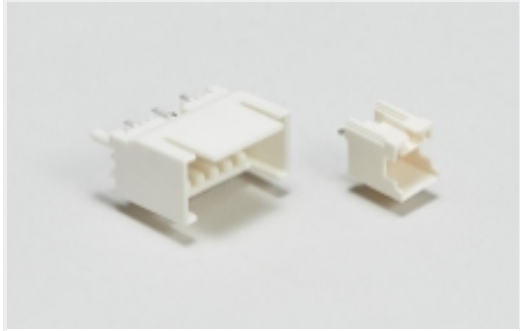
Power Contacts(1)



Rectangular Power Connectors(66)



Wire-to-Board Connector Assemblies & Housings(74)

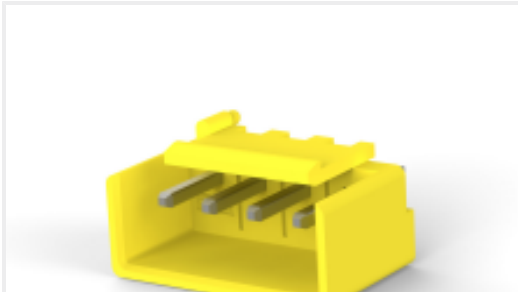


Wire-to-Board Headers & Receptacles (69)

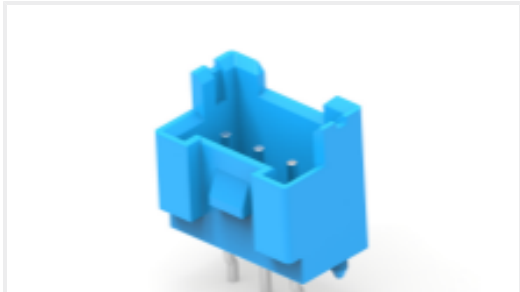
Customers Also Bought



TE Part #1-1393194-9
T77V1D10-12



TE Part #1744484-4
04P EP SHRD HDR ASMY, YELLOW



TE Part #2-2338245-3
EP2.5 HDR 3P VERT BOSS,BLUE,UL



TE Part #1744485-5
05P EP SHRD HDR ASMY, GREEN



TE Part #2338245-2
EP2.5 HDR 2P VERT BOSS,RED,UL



TE Part #1877285-2
02P EP SHRD HDR ASMY, WHITE



TE Part #1-2232829-6
SGI2.0 HEADER ASSEMBLY SMT 6P, KEY A,NTL



TE Part #1775470-4
HPI CONN., 2.0MM, V/T, SMT, 4P, 80U"



TE Part #1-1969730-1
EP2.5 SHROUDED HDR ASSY 11P VERTICAL



TE Part #3-647502-6
06P MTA100 SMT ASSY,SN,TAPE, LF

Documents



Product Drawings

8P, PL RAST 5 Tab Header, TH,Vertical

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2232532-8_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2232532-8_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2232532-8_B.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

UL Report

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