



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

Number of Columns	3
Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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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 Printed Circuit Board	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]
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Dimensions

Connector Length	17.3 mm[.68 in]
Connector Height	12.8 mm[.503 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]
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Operation/Application

Circuit Application	Power
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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	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

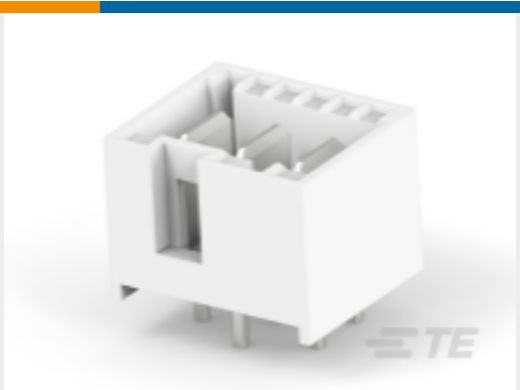
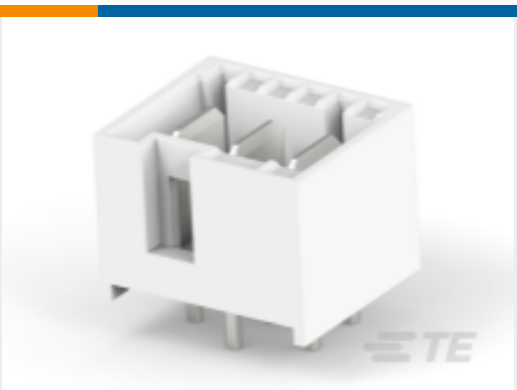
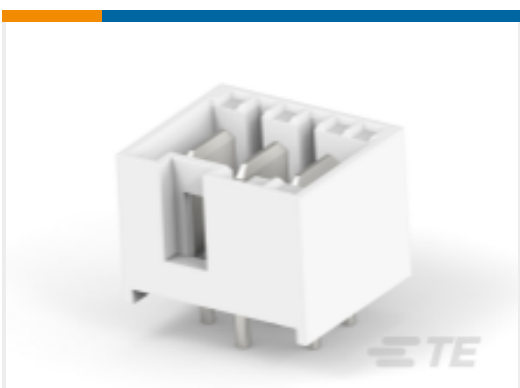
Product Compliance Disclaimer

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

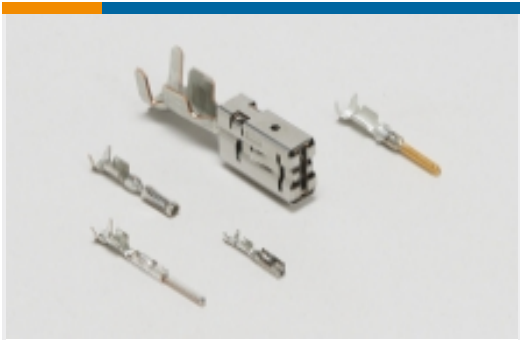


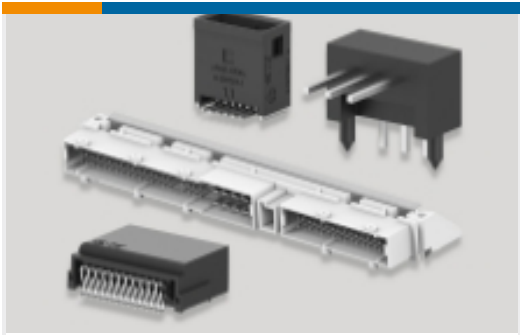
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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 # 1-1971896-3 3P, RAST 5 Tab Header, THV	 TE Part # 1-2232044-3 3P, RAST 5 Tab Header, THV	 TE Part # 2-2232044-3 3P, RAST 5 Tab Header, THV	 TE Part # 3-2232044-3 3P, RAST 5 Tab Header, THV
 TE Part # 4-1971896-3 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 # 5-2232044-3 3P, RAST 5 Tab Header, THV
 TE Part # 6-2232044-3 3P, RAST 5 Tab Header, THV	 TE Part # 7-2232044-3 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

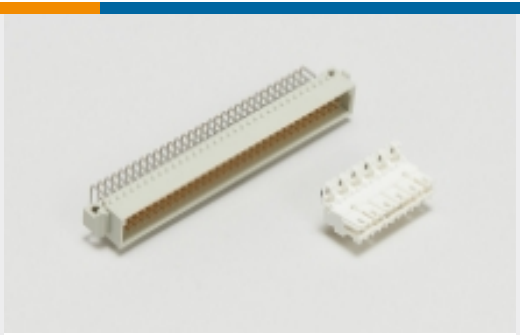
 Automotive Terminals(8)	 Connector Contacts(14)	 Crimp Terminal Housings(41)	 Insertion & Extraction Tools(1)
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PCB Headers & Receptacles(417)



Rectangular Connector Housings(1)



Standard Edge Connectors(33)

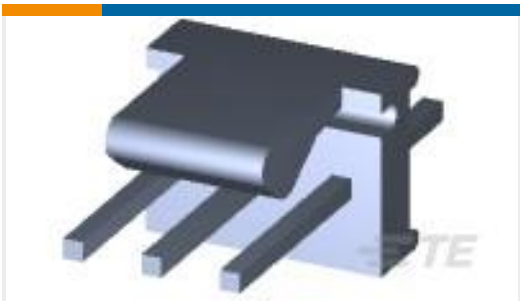


Standard Rectangular Connectors(63)



Wire-to-Board Connector Assemblies & Housings(213)

Customers Also Bought



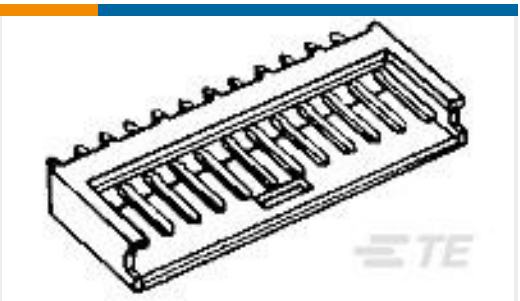
TE Part # 640456-3
03P MTA100 HDR ASSY F/L SQ STR



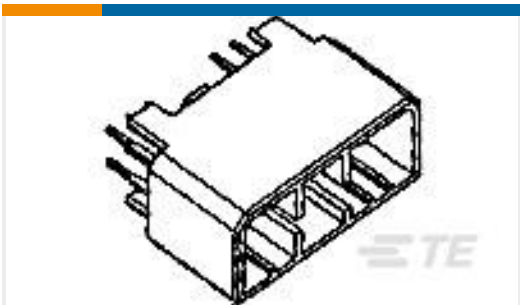
TE Part # 4-1879021-7
SMW3 8R2 5%



TE Part # 2-1445050-3
MICRO MNL HDR ASSY S/ROW LF



TE Part # 280370-1
2P AMPMODU II SHRD HDR, ST, TIN



TE Part # 1-174955-1
070 MLC CAP ASSY V 8P



TE Part # 1420011-3
GET CONNECTOR

Documents

Product Drawings

3P, RAST 5 Tab Header, THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-2232044-3_A_c-9-2232044-3-a.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_9-2232044-3_A_c-9-2232044-3-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2232044-3_A_c-9-2232044-3-a.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English