

2232511-3 ✓ ACTIVE

RAST | RAST 5 IDC Connectors

TE Internal #: 2232511-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), RAST 5 IDC Connectors

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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**

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

Keying & Polarized Position Locations	1C
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	Natural
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Contact Features

Contact Underplating Material	Nickel
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Contact Mating Area Plating Material Thickness	2 μm [3.15 μin]
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Mating Tab Width	6.3 mm[.248 in]
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PCB Contact Termination Area Plating Material Thickness	.381 μm [149.6 μin]
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Contact Shape & Form	Square
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Contact Layout	Inline
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Contact Base Material	Copper Alloy
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Mating Tab Thickness	.8 mm[.032 in]
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Tab
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Contact Current Rating (Max)	16 A
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Termination Features

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

Mating Retention Type	Latch
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Mating Retention	With
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Mating Alignment Type	Keyed, Polarization
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PCB Mount Alignment Type	Locating Posts
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PCB Mount Retention	Without
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PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Housing Features

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



Row-to-Row Spacing	5 mm [.197 in]
PCB Thickness (Recommended)	1.5 mm [.06 in]
Connector Height	12.8 mm [.5 in]
Connector Length	12.8 mm [.5 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
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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



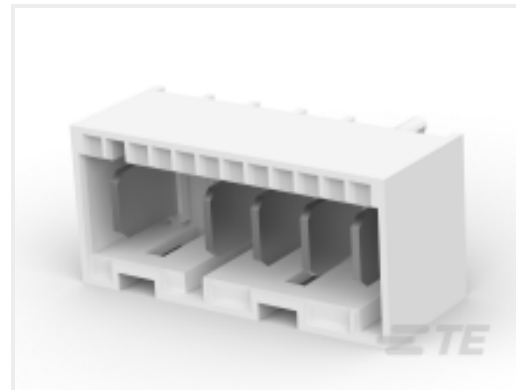
TE Part # 2232045-3
3P, RAST 5 Tab Header, THV



TE Part # 3-2295787-3
STD TIMER PLUG HSG 3P W/EXT.
LOCKING



TE Part # 2232046-6
6P, RAST 5 Tab Header, THV



TE Part # 2232511-6
6P, RAST 5 Tab Header, THV



TE Part # 2232511-5
3P, RAST 5 TAB HEADER, THV



TE Part # 2232511-4
3P, RAST 5 TAB HEADER, THV



TE Part # 2232045-4
4P, RAST 5 Tab Header, THV



TE Part # 2232043-3
3P, RAST 5 Tab Header, THV



TE Part # 2328608-3
3P, RAST 5 TAB HEADER, THV,
SHORT PEG



TE Part # 2232043-4
4P, RAST 5 Tab Header, THV



TE Part # 2232046-2
2P, RAST 5 Tab Header, THV



TE Part # 2232045-2
2P, RAST 5 Tab Header, THV

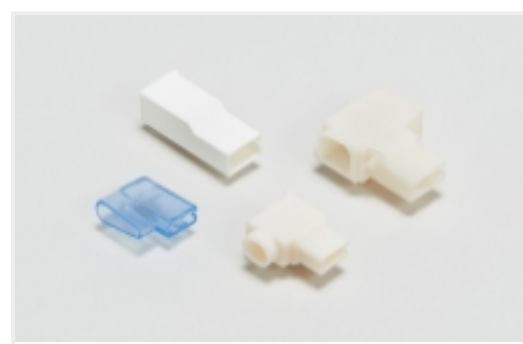


TE Part # 2232511-8
8P, RAST 5 Tab Header, THV

Also in the Series | **RAST 5 IDC Connectors**



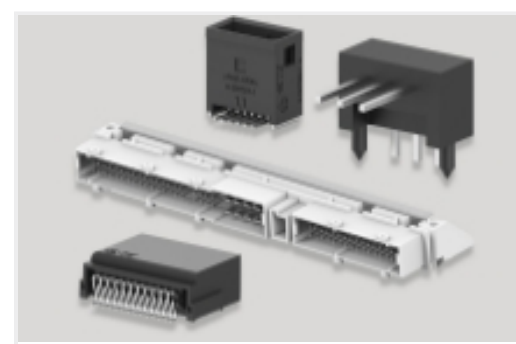
Connector Contacts(12)



Crimp Terminal Housings(39)



Insertion & Extraction Tools(1)



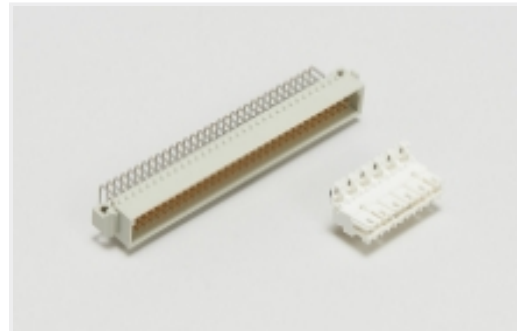
PCB Headers & Receptacles(417)



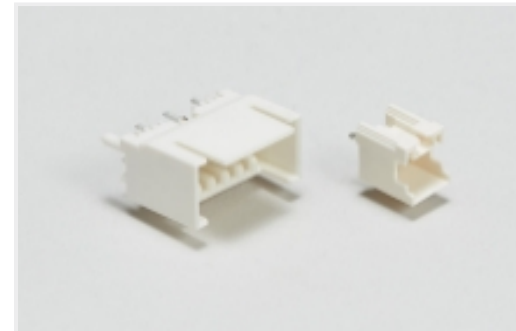
Power Contacts(3)



Rectangular Power Connectors(481)



Standard Edge Connectors(31)

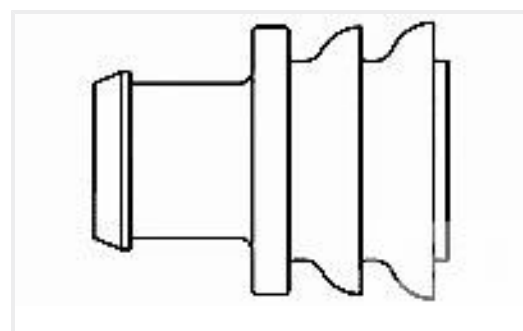


Wire-to-Board Headers & Receptacles (417)

Customers Also Bought



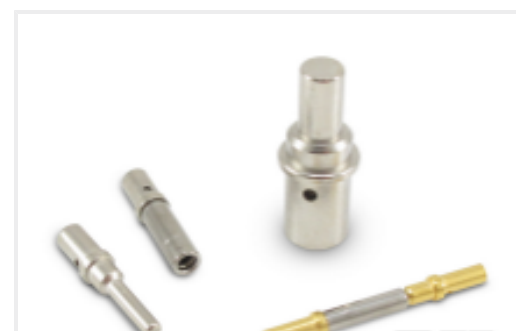
TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N

Documents

Product Drawings

3P, RAST 5 TAB HEADER, THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2232511-3_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2232511-3_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2232511-3_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

[UL Report](#)

English

[UL Report](#)

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