

7-1971921-7 ✓ ACTIVE

[RAST](#) | [RAST 5D](#)

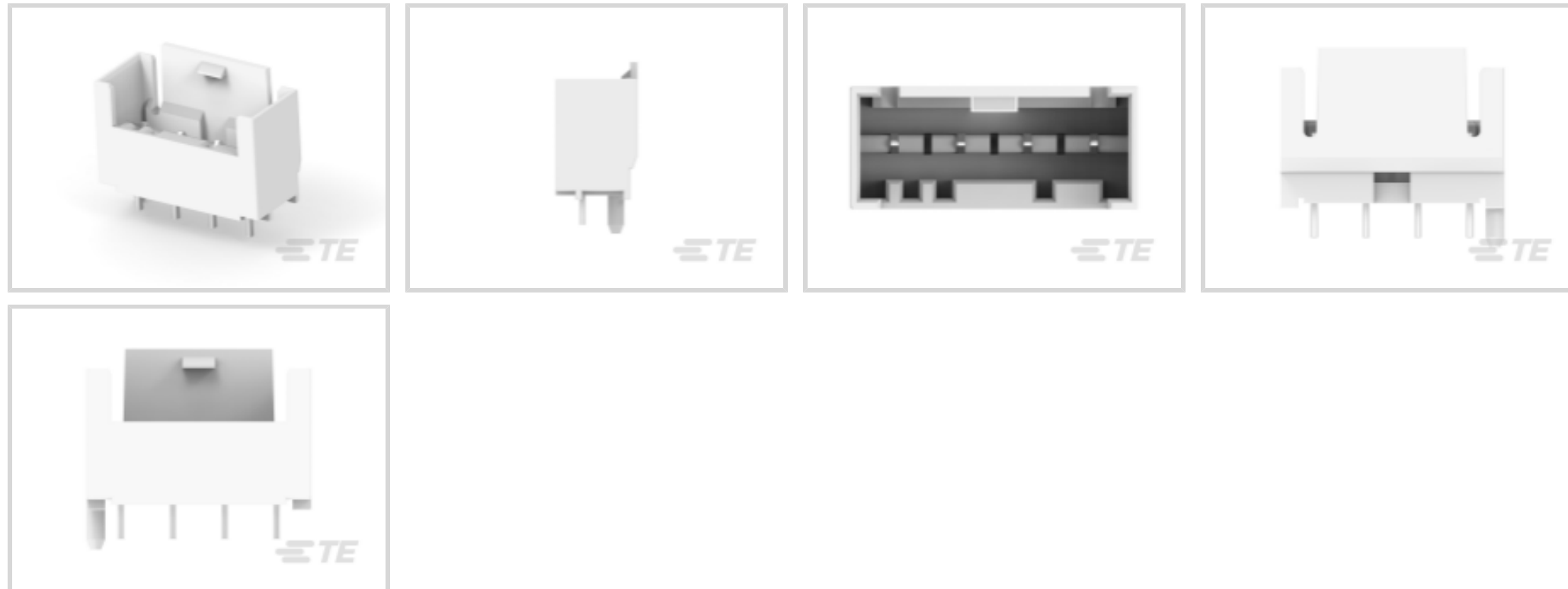
TE Internal #: 7-1971921-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, RAST 5D

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **7**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 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	7
Number of Positions	7
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

PCB Contact Termination Area Plating Material Thickness	3.8 μm [149.606 μin]
Contact Layout	Inline
Mating Tab Width	1.5 mm[.059 in]
Mating Tab Thickness	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 μm [50 μin]
Contact Mating Area Plating Material Thickness	3.8 μm [149.6 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	.6 mm[.024 in]
Rectangular Termination Post & Tail Width	.65 mm[.026 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions



Connector Length	20.1 mm[.791 in]
Connector Height	15.5 mm[.61 in]
Connector Width	9.2 mm[.36 in]

Usage Conditions

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

Circuit Application	Signal
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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 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-2232890-7
7P MONOPLUG 2.5 SELECTIVELY LOADED

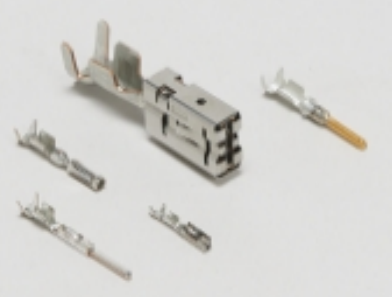


TE Part # 2-2232963-7
17P POTTED RAST2.5 HEADER




TE Part # 1-2232963-7
17P POTTED RAST2.5 HEADER


Also in the Series | RAST 5D



Automotive Terminals(5)




Connector Contacts(10)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(69)



Wire-to-Board Connector Assemblies & Housings(88)

Customers Also Bought



TE Part #2-323762-3
TERMINAL,PIDG R 12-10 10



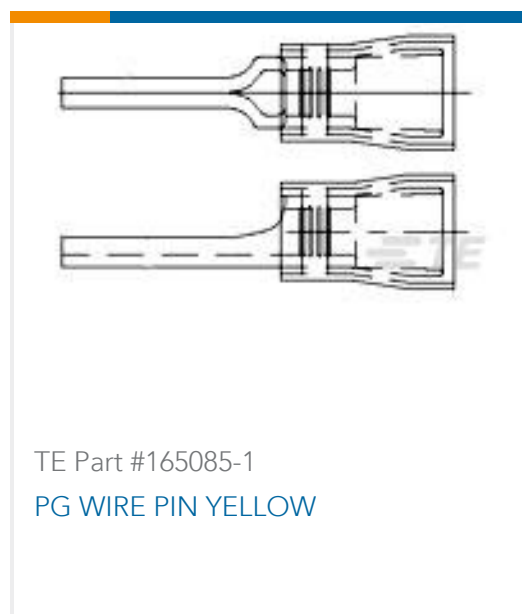
TE Part #1-1971921-7
4/7P,RAST 2.5 Tab Header,Ex- Locking, THV



TE Part #1-1971922-1
6/11P,RAST 2.5 TabHeader,Ex- Locking,THV



TE Part #1-2157480-3
AMPLIMITE IP67,SZ3, 109, 25 POS,IFS, PLUG



Documents

Product Drawings

[4/7P,RAST 2.5 Tab Header,Ex- Locking,THV](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_7-1971921-7_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1971921-7_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1971921-7_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English