

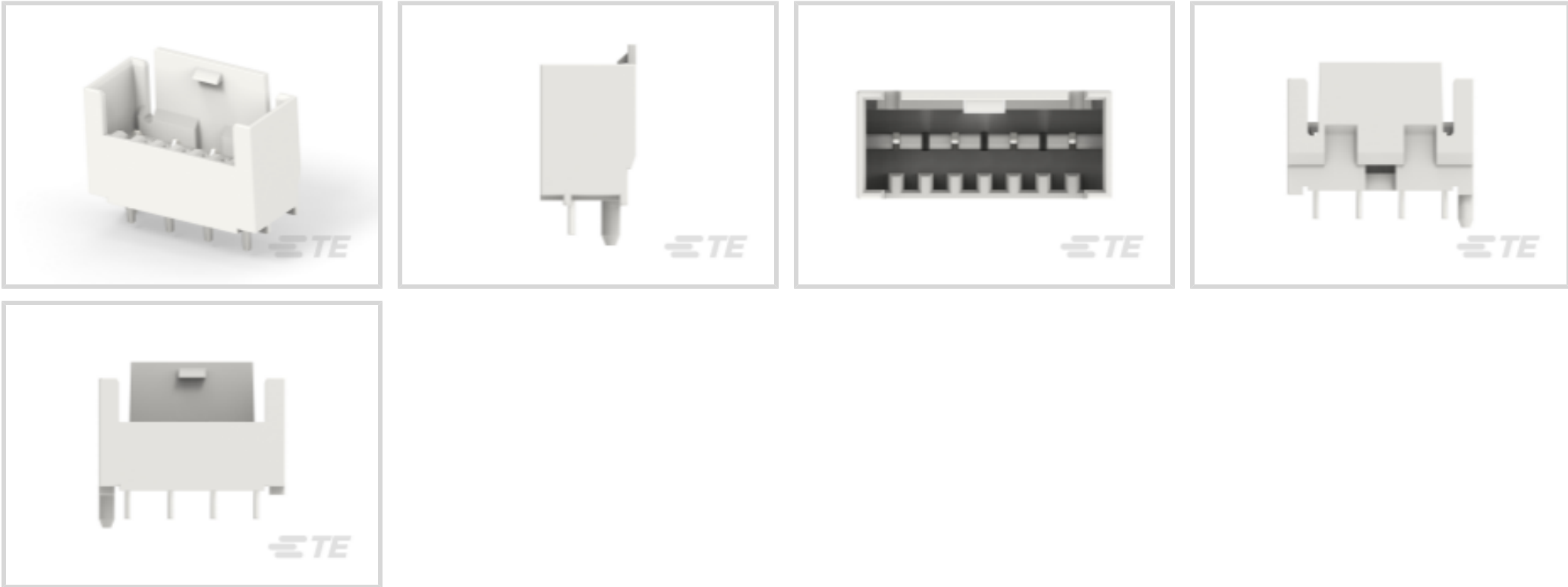


RAST

TE Internal #: 1-1971923-7
PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Silver (Ag), Through Hole - Solder, Power, Natural

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **7**
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	7
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Body Features



Primary Product Color	Natural
-----------------------	---------

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 µm[78.74 µin]
Mating Tab Width	1.5 mm[.059 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.6 mm[.024 in]
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Tab
Contact Current Rating (Max)	6 A

Termination Features

Rectangular Termination Post & Tail Width	.65 mm[.026 in]
Rectangular Termination Post & Tail Thickness	.6 mm[.024 in]
Termination Post & Tail Length	2.9 mm[.114 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

--	--



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

Dimensions

Connector Width	9.2 mm[.36 in]
Connector Height	15.5 mm[.61 in]
Connector Length	20.1 mm[.791 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	135
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 # 1-2232890-7
7P MONOPLUG 2.5 SELECTIVELY LOADED

Customers Also Bought

TE Part #1955416-1
3 POS. FASTIN-FASTON CONNECTOR TAB HOUSING

TE Part #2-1445050-4
MICRO MNL HDR ASSY S/ROW LF

TE Part #1609133-4
6ESRMC2=F6989

TE Part #5-2232362-3
PTL MFBL 1X3 PLUG HSG GLW WIRE NAT

TE Part #1-1971922-5
8/15P,RAST 2.5 TabHeader,Ex- Locking,THV

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_1-1971923-7_A_c-1-1971923-7-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1971923-7_A_c-1-1971923-7-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1971923-7_A_c-1-1971923-7-a.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

[7-1773465-3_RAST2.5_Flyer](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English