



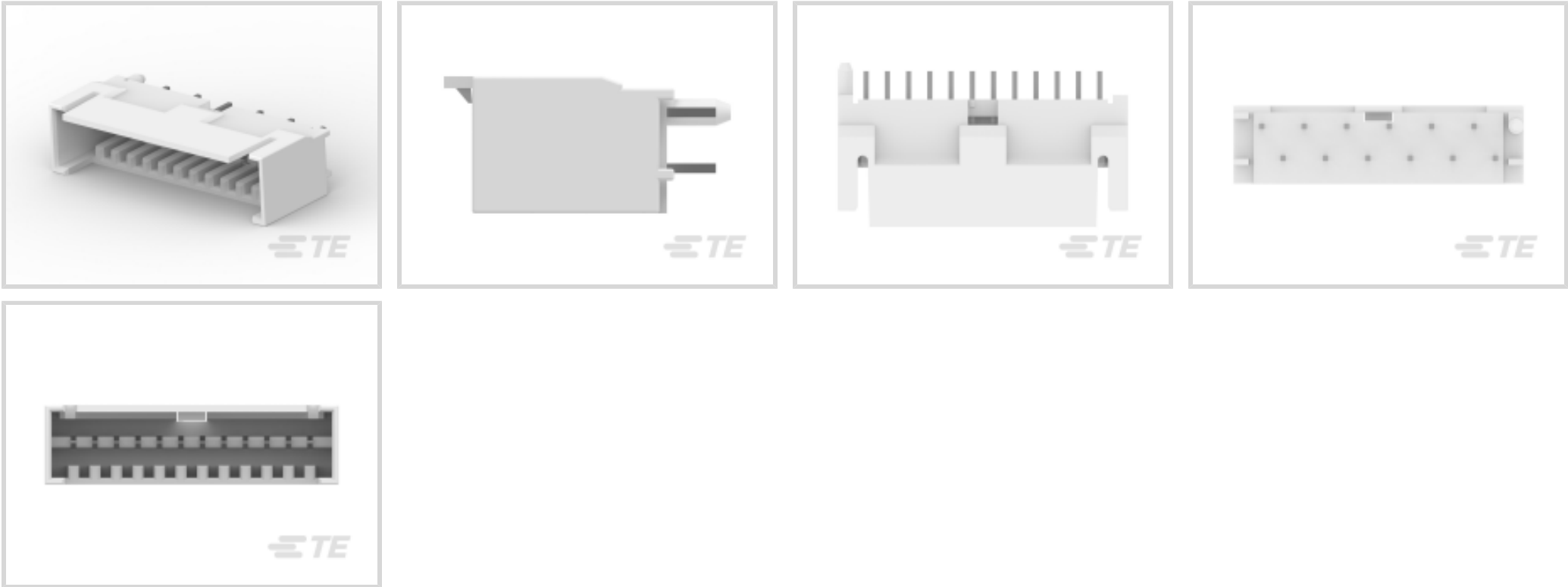
RAST

TE Internal #: 1-1971818-2

PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Signal, 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: **12**

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	12
PCB Mount Orientation	Vertical
Number of Positions	12
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	3.8 µm[149.6 µin]
PCB Contact Termination Area Plating Material Thickness	3.8 µm[149.6 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Copper Alloy
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)	2 A

Termination Features

Termination Post & Tail Length	2.9 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Keyed, Polarization
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]
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Connector Height	15.5 mm[.61 in]
Connector Length	32.6 mm[1.28 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 Quantity	90
Packaging Method	Box, Tube

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 # 1-2232893-2
12P MONOPLUG 2.5

Customers Also Bought

TE Part #5-104178-5
08 SYS 50 HDR SRST UNSHRD SN

TE Part #63849-1
250 FASTON TAB TPBR

TE Part #2-1393210-0
T9AS1D12-5

TE Part #867052-2
LOCKING CLIP CONT ASSY .025 SQ

TE Part #2007717-1
IMP100S,R,RA4P10C,UG,39

TE Part #9-1393239-5
RT314012

TE Part #2057419-2
IMP100S,H,V2P10C,LG,OEWS39,4.9

TE Part #1825360-3
ADE04A04=4POS DIP SWITCH

TE Part #294919-E
SRCP 1,27 10 M 1 SMD 137 E1 094 *
GU-H *

TE Part #3-1461491-3
PCN-112D3MHZ,000

Documents

Product Drawings
12P,RAST 2.5 Tab Header,Ex- Locking,THV
English



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1971818-2_A_c-1-1971818-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1971818-2_A_c-1-1971818-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971818-2_A_c-1-1971818-2-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

VDE Certificate

English

VDE Certificate

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