1-1971817-6 ✔ ACTIVE

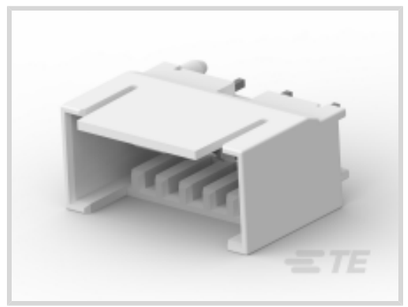
RAST

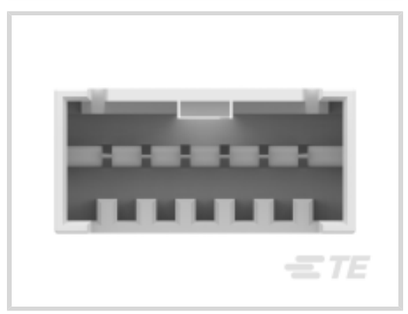
TE Internal #: 1-1971817-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Natural

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles





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

Number of Positions: **6**

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 Positions	6
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.8 µm[149.6 µin]
Mating Tab Width	1.5 mm[.059 in]
Mating Tab Thickness	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	1.27 µm[50.8 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
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 Post & Tail Length	2.9 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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	6/6 Nylon GF, Nylon
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	17.6 mm[.69 in]
Connector Height	15.5 mm[.61 in]

Usage Conditions

Operating Temperature Range	-40 - 120 °C[-40 - 248 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	165
Packaging Method	Box, Carton

Product Compliance

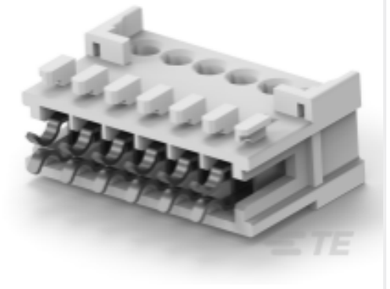
For compliance documentation, visit the product page on TE.com>

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

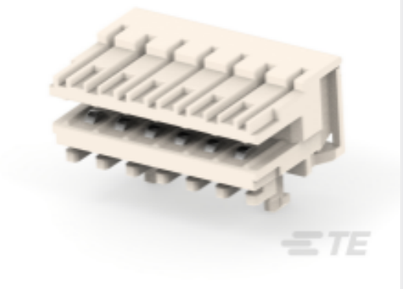
Product Compliance Disclaimer

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 # 1-2232892-6
6P MONOPLUG 2.5



TE Part # 1-2304525-6
AMP DUOPLUG MK2 CONNECTOR 6P

TE Part # 2-2304525-6
AMP DUOPLUG MK2 CONNECTOR 6P

Customers Also Bought

TE Part # 1376382-1
5mm B-T-W Conn. 2P HDR ASSEMBL

TE Part # 179841-1
STD Temp Power Double Lock Header

TE Part # 1376383-1
5mm B-T-W Conn. 3P HDR ASSEMBL

TE Part # 1969688-3
PTL 1X3 PCB HEADER VERT STDTMP KEY A NAT

TE Part # 1969730-8
EP2.5 SHROUDED HDR ASSY 8P VERTICAL

TE Part # 1376385-1
5mm B-T-W Conn. 6P HDR ASSEMBL

TE Part # 1376384-1
5mm B-T-W Conn. 4P HDR ASSEMBL

TE Part # 1-1376385-2
5mm B-T-W Conn. 6P HDR ASSEMBL

TE Part # 2151058-1
OCEAN_2.0_APPLICATOR-S-080F100O-RSM

Documents

Product Drawings

6P,RAST 2.5 Tab Header,Ex- Locking,THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1971817-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1971817-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971817-6_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

RAST Connector System Catalog

English

7-1773465-3_RAST2.5_Flyer

English

Product Specifications

Product Specification

English