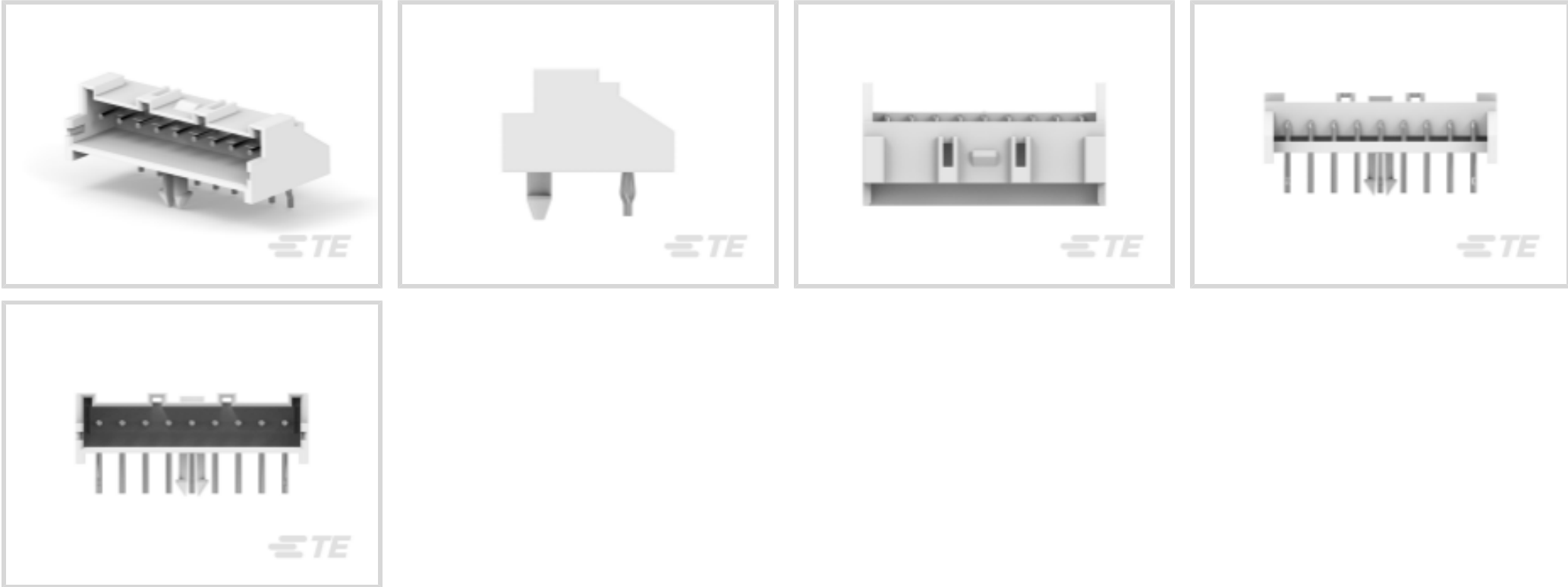




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **9**

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

PCB Mount Orientation	Right Angle
Number of Positions	9
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

Mating Pin Diameter	.6 mm[.024 in]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.2 mm
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Boardlock
PCB Mount Retention	With
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	12.6 mm[.496 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	7.6 mm[.299 in]
Connector Length	23.65 mm[.931 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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	Wave solder capable to 265°C

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 # 1969442-9
EP 2.5 TPA Housing, 9 Pos

TE Part # 2110989-1
EP 2.5 RCPT CONTACT, 26-22 AWG

TE Part # 1744417-9
9 POS EP 2.5 HSG, GLOW WIRE

Also in the Series | Economy Power 2.5

Connector Contacts(6)

Connector Hardware(49)

PCB Headers & Receptacles(533)

Rectangular Power Connectors(531)

Wire-to-Board Connector Assemblies & Housings(305)

Wire-to-Board Headers & Receptacles (533)

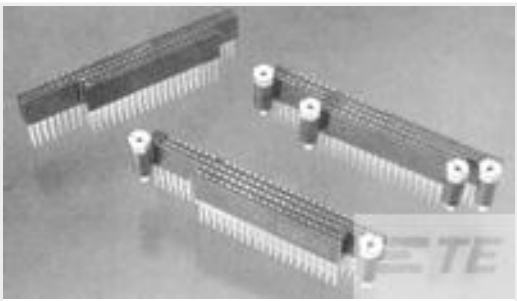
Customers Also Bought

TE Part #3-2176363-8
RQ 0402 1K05 0.1% 10PPM 5K RL

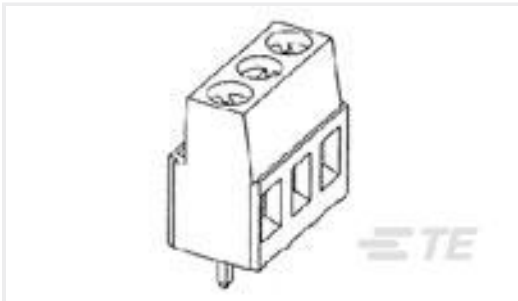
TE Part #4-2176307-7
RP 1E 0.1W 37K4 0.1% 25PPM 5K RL

TE Part #1744446-5
Hdr Assy, EP 2.5 RA, 5 Pos., GW

TE Part #2214870-1
MiniSAS HD 1x4 Rec Assy w/ weld



TE Part #1375794-2
PC104 ASY 2S/0 UNKEYED



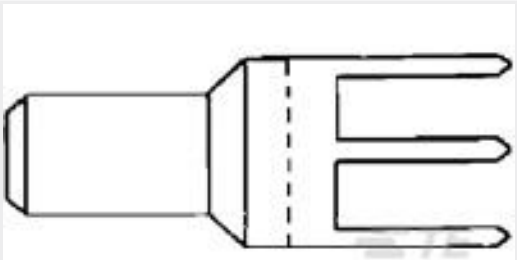
TE Part #796681-9
TERMI-BLOK PCB MOUNT 9P



TE Part #9-2176366-2
RQ 0603 3K83 0.1% 10PPM 1K RL



TE Part #1571636-8
TACT,SMT,GULL WING,160GF,T&R



TE Part #532824-1
HDI POWER CONT PIN BODY-STRT

Documents

Product Drawings

Hdr Assy, EP 2.5 RA, 9 Pos., GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744446-9_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744446-9_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744446-9_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

1744446-9

PCB Mount Header, Right Angle, Wire-to-Board, 9 Position, 2.5 mm [.098 in]
Centerline, Fully Shrouded, Tin (Sn), Economy Power 2.5



English

[Agency Approvals](#)

[VDE Certificate](#)

English