



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

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

Connector Contact Load Condition	Fully Loaded
Number of Positions	3
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

Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Length	12.5 mm[.49 in]
Connector Height	8.8 mm[.346 in]
Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions



Operating Temperature Range	-55 – 105 °C[131 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	9000
Packaging Type	Box, Tape

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 2022 (224) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
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 # 1744417-3
3 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1969442-3
EP 2.5 TPA Housing, 3 Pos

TE Part # 1969443-3
EP 2.5 TPA Retainer, 3 Pos

TE Part # 2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG

TE Part # 1744423-1
EP 2.5 RCPT CONTACT, 24-20 AWG

TE Part # 2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG

Also in the Series | Economy Power 2.5

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(210)

PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

Wire-to-Board Connector Assemblies & Housings(216)

Wire-to-Board Connector Contacts(6)

Customers Also Bought

TE Part #917745-1
AMP POWER D/L TAB HDR ASY 2P V

TE Part #3-1376392-5
5MM POWER KEY 4P PLUG 2ROW YEL

TE Part #1871843-4
GIC2.5 HDR ASSY TIN VERSION 4P NATURAL

TE Part #1-1871843-2
GIC2.5 HDR ASSY TIN VERSION 2P RED



TE Part #1-172127-1
FF 250 REC HSG 1P NYLON NAT

TE Part #1-175034-1
PL 187 REC 20-14 AWG .30 X 14.0 SUS

TE Part #2-1376388-4
5.0 PK CONN. 2P PLUG HSG (W/O GF) - BLUE

TE Part #4-1971906-3
HEADER ASSY 6POS,KEYING-D,NEW GIC3.3

Documents

Product Drawings

EP2.5 HDR 3P VERT W/O BOSS,TAPING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2299683-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2299683-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2299683-3_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English