



Economy Power 2.5

TE Internal #: 2132415-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles

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

Number of Positions: **2**

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	2
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 Mating Area Length	3.6 mm[.142 in]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Layout	Inline
Mating Pin Diameter	.6 mm[.024 in]



Contact Mating Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
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
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	10 mm[.39 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[-67 – 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
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Approved Standards	UL E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	600
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Packaging Type	Bag
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 1744417-2
2 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1969442-2
EP 2.5 TPA Housing, 2 Pos

TE Part # 1969729-2
EP2.5 Shrouded HDR ASSY 2P VERT w /o boss

Also in the Series | Economy Power 2.5

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(494)

PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

Wire-to-Board Connector Assemblies & Housings(311)

Wire-to-Board Connector Contacts(6)

Customers Also Bought

TE Part #1744417-3
3 POS EP 2.5 HSG, GLOW WIRE

TE Part #1969442-6
EP 2.5 TPA Housing, 6 Pos

TE Part #2132415-6
EP2.5 Shrouded HDR ASSY 6P VERT w /o boss

TE Part #1744426-3
Header Housing Assy, EP 2.5 RA, 3 Pos.

TE Part #2132415-7
EP2.5 Shrouded HDR ASSY 7P VERT w /o boss

TE Part #2132415-8
EP2.5 Shrouded HDR ASSY 8P VERT w /o boss

TE Part #2340321-1
ASSY STRADDLE MOUNT 168P 062 SLIVER 2.0



Documents

Product Drawings

[EP2.5 Shrouded HDR ASSY 2P VERT w/o boss](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2132415-2_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2132415-2_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2132415-2_G.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[7-1773458-5_ECONOMY_POWER_QRG](#)

English

[7-1773461-6_EP2.5_Connector_Series](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

Agency Approvals

[UL Report](#)

English

[UL Report](#)

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