

2-1969730-0 ✓ ACTIVE



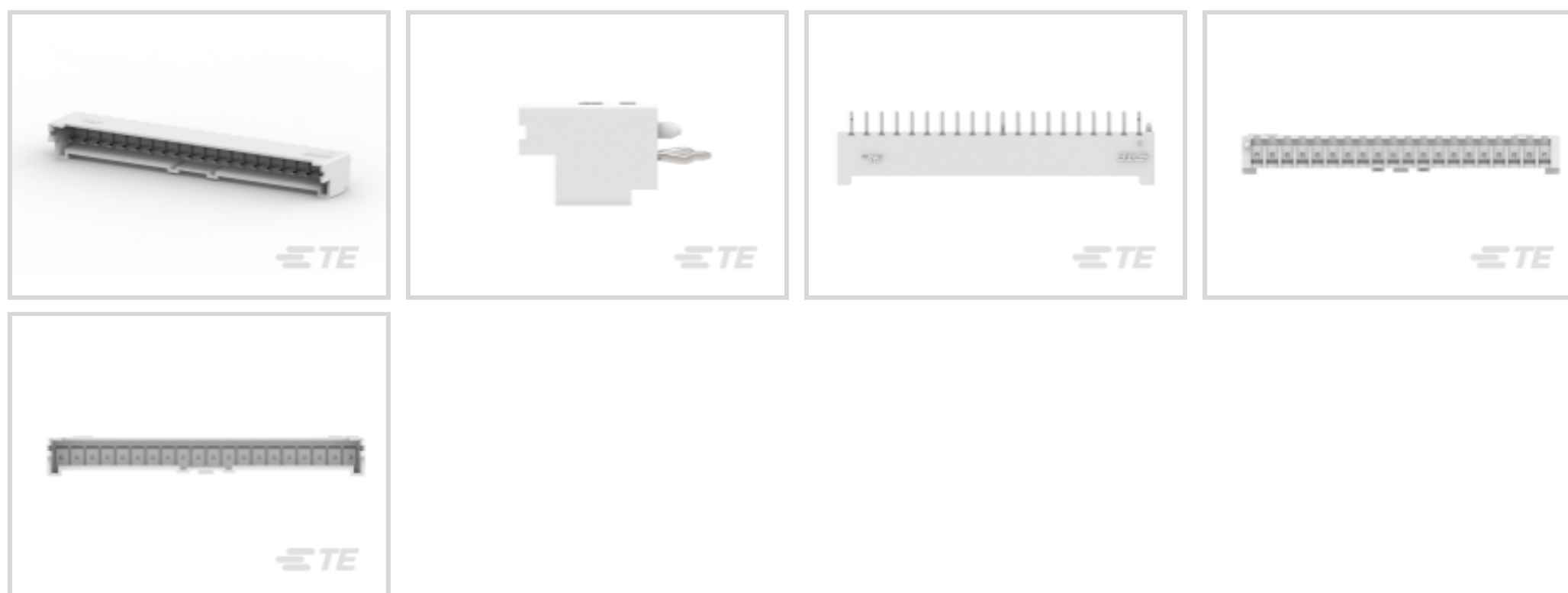
Economy Power 2.5

TE Internal #: 2-1969730-0

PCB Mount Header, Vertical, Wire-to-Board, 20 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **20**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	20
Number of Columns	20
Number of Loaded Positions	20
Number of Positions	20
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
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Contact Underplating Material Thickness	1.27 μm [50 μin]
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Contact Mating Area Plating Material Thickness	2.032 μm [80 μin]
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Brass
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Contact Mating Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	4.2 A
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Termination Features

Termination Post & Tail Length	3.4 mm[.134 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarization
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Mating Retention	With
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PCB Mount Retention Type	Kinked Legs
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Mating Retention Type	Locking Tab
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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PCB Mount Alignment	Without
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PCB Mount Retention	With
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Housing Features

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

Connector Length	52.5 mm[2.06 in]
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Connector Height	8.8 mm[.346 in]
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Connector Width	6.4 mm[.25 in]
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PCB Thickness (Recommended) 1.6 mm[.063 in]

Usage Conditions

Operating Temperature (Max) 105 °C[221 °F]
 Operating Temperature Range -55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded No
 Circuit Application Power

Industry Standards

UL Rating Recognized
 Glow Wire Rating Standard Part - Not Glow Wire
 Compatible With Agency/Standards Products UL
 UL Flammability Rating UL 94V-0

Packaging Features

Packaging Quantity 250
 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: JUNE 2024 (241)
 Candidate List Declared Against: JUL 2017 (174)
 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1-1969730-7
EP2.5 SHROUDED HDR ASSY 17P VERTICAL



TE Part # 1-2132230-6
EP2.5 Shrouded HDR ASSY 16P VE



TE Part # 1-1969730-4
EP2.5 SHROUDED HDR ASSY 14P VERTICAL



TE Part # 1-2132230-1
EP2.5 Shrouded HDR ASSY 11P VE



TE Part # 1-1969730-0
EP2.5 SHROUDED HDR ASSY 10P VERTICAL



TE Part # 1-1969730-3
EP2.5 SHROUDED HDR ASSY 13P VERTICAL



TE Part # 1-1969730-5
EP2.5 SHROUDED HDR ASSY 15P VERTICAL



TE Part # 1-1969730-6
EP2.5 SHROUDED HDR ASSY 16P VERTICAL




TE Part # 1-1969730-8
EP2.5 SHROUDED HDR ASSY 18P VERTICAL



TE Part # 1-1969730-9
EP2.5 SHROUDED HDR ASSY 19P VERTICAL

Also in the Series | Economy Power 2.5




Connector Contacts(6)



Connector Hardware(49)

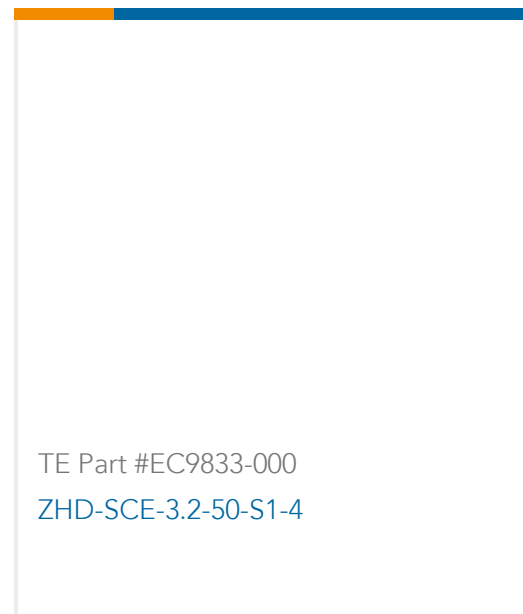


PCB Headers & Receptacles(537)



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

Customers Also Bought



Documents

Product Drawings

[EP2.5 SHROUDED HDR ASSY 20P VERTICAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1969730-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1969730-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1969730-0_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English