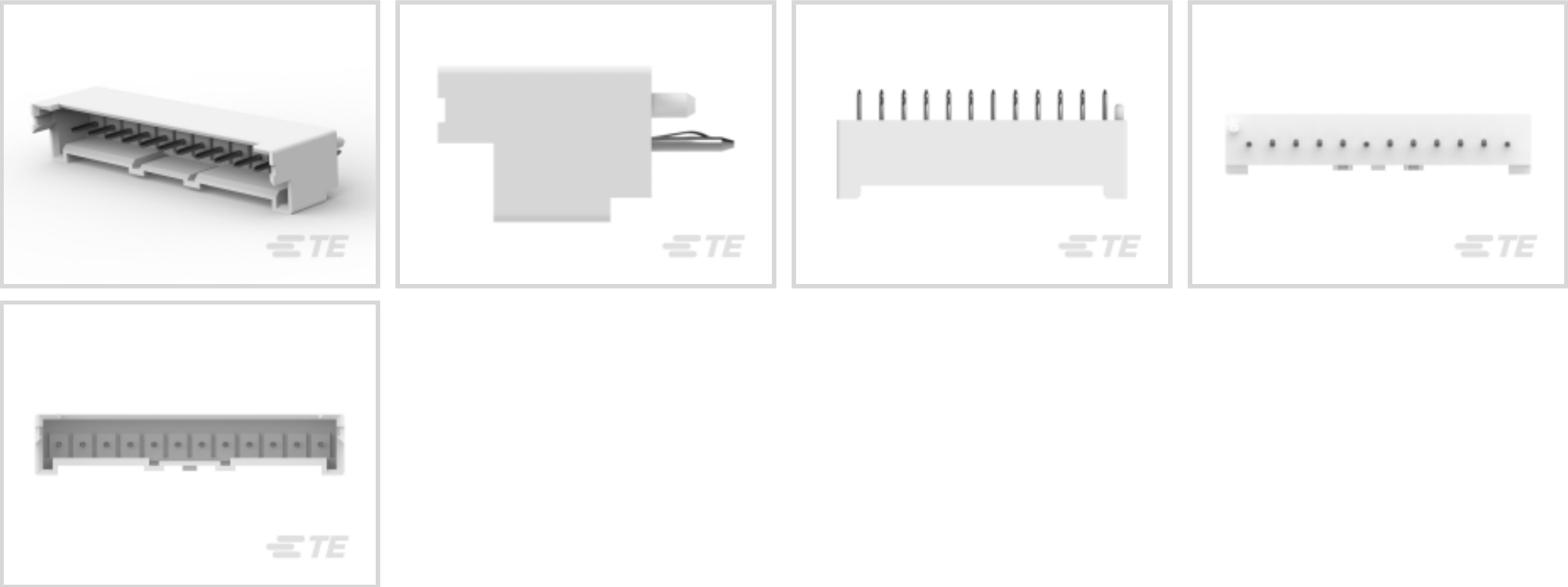




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

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

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

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Primary Product Color	White
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Contact Features

Mating Pin Diameter	.6 mm[.024 in]
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 Shape & Form	Round, Square
Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
Contact Base Material	Brass
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	3.4 mm[.134 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	6.4 mm[.252 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.8 mm[.346 in]
Connector Length	32.5 mm[1.28 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
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 # 1-1744417-2
12 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1-2300178-0
EP2.5 HDR ASSY 10P VERT W/ BOSS, RED

TE Part # 1-1969541-2
RETAINER, TPA, DUAL ROW, EP2.5

TE Part # 1-1969730-2
EP2.5 SHROUDED HDR ASSY 12P VERTICAL

TE Part # 1-1969442-2
EP 2.5 TPA Housing, 12 Pos

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

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

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 #1969442-7
EP 2.5 TPA Housing, 7 Pos



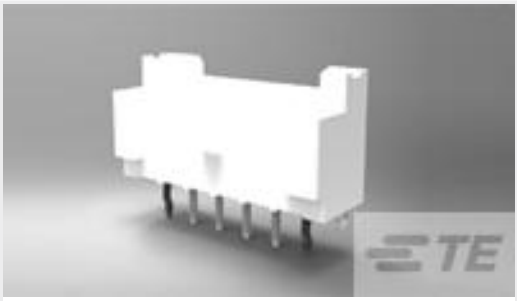
TE Part #2110989-1
EP 2.5 RCPT CONTACT, 26-22 AWG



TE Part #1-1969442-2
EP 2.5 TPA Housing, 12 Pos



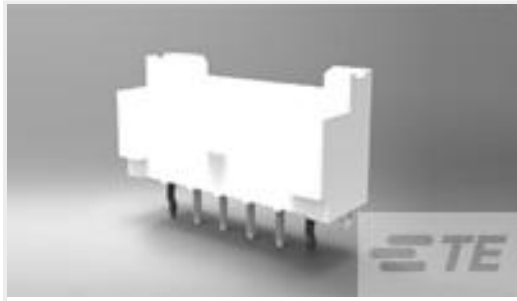
TE Part #1969442-5
EP 2.5 TPA Housing, 5 Pos



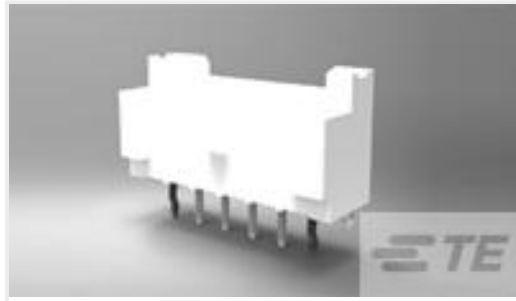
TE Part #2132230-2
EP2.5 Shrouded HDR ASSY 2P VER



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



TE Part #2132230-5
EP2.5 Shrouded HDR ASSY 5P VER



TE Part #2132230-7
EP2.5 Shrouded HDR ASSY 7P VER

Documents

Product Drawings

EP2.5 Shrouded HDR ASSY 12P VE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2132230-2_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2132230-2_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2132230-2_H.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773458-5_ECONOMY_POWER_QRG

English

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English



Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English