

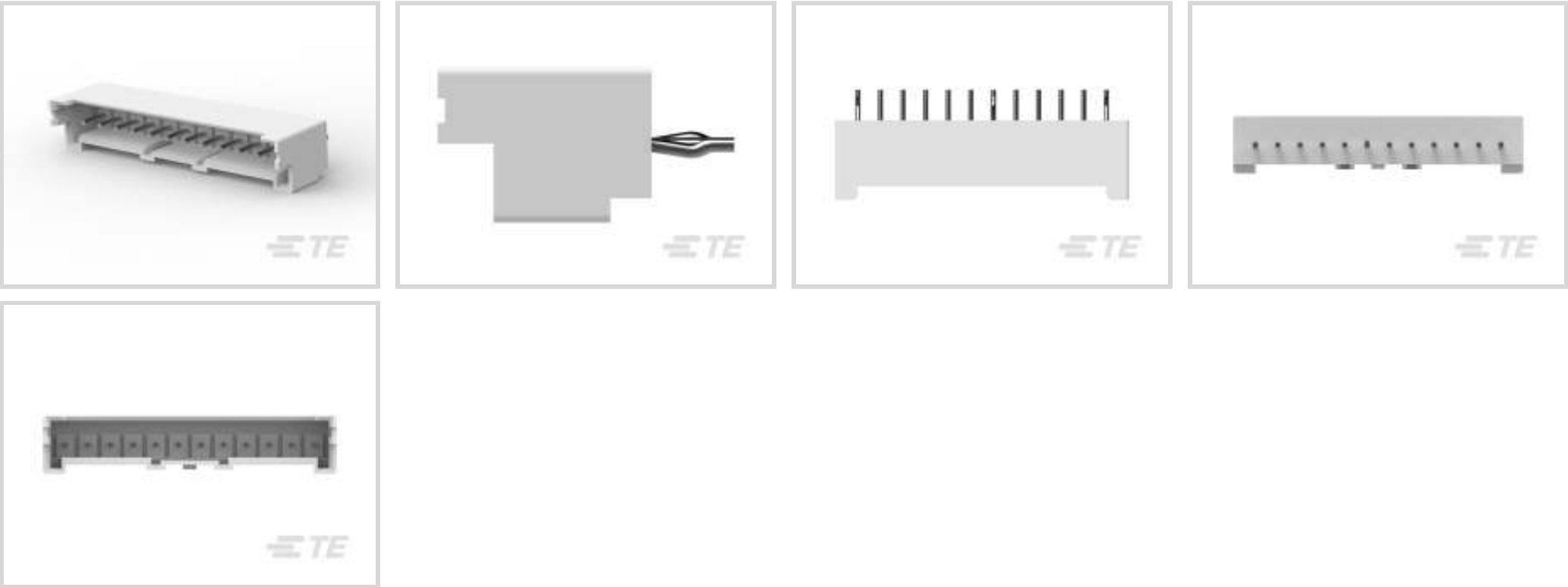


Economy Power 2.5

TE Internal #: 1-2132415-2  
PCB Mount Header, Vertical, Wire-to-Board, 12 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: **12**  
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              | 12           |
| Number of Rows                   | 1            |
| PCB Mount Orientation            | Vertical     |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



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

|                          |              |
|--------------------------|--------------|
| PCB Mount Alignment Type | Kinked Legs  |
| Mating Alignment Type    | Polarization |
| Mating Retention         | With         |
| Mating Retention Type    | Latch        |
| Connector Mounting Type  | Board Mount  |
| Mating Alignment         | With         |
| PCB Mount Alignment      | With         |
| PCB Mount Retention      | With         |

Housing Features

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

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 32.5 mm[1.28 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] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 300 |
|--------------------|-----|

|                |     |
|----------------|-----|
| Packaging Type | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 # 1-1969442-2  
EP 2.5 TPA Housing, 12 Pos

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

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

Also in the Series | Economy Power 2.5

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 #1969442-6  
EP 2.5 TPA Housing, 6 Pos

TE Part #1744417-6  
6 POS EP 2.5 HSG, GLOW WIRE

TE Part #1744416-8  
8 POS EP II HSG, GLOW WIRE

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

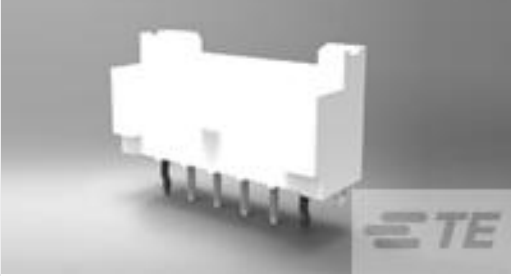




TE Part #2110989-1  
[EP 2.5 RCPT CONTACT, 26-22 AWG](#)



TE Part #1744417-8  
[8 POS EP 2.5 HSG, GLOW WIRE](#)



TE Part #1-2132415-0  
[EP2.5 Shrouded HDR ASSY 10P VERT w/oboss](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132415-2\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132415-2\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132415-2\\_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

[MD\\_1-2132415-2\\_06212017646\\_dmtec](#)

English

[MD\\_1-2132415-2\\_06212017646\\_dmtec](#)

English

Agency Approvals

UL Report

English

UL Report

English

1-2132415-2

PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 2.5 mm [.098 in] Centerline,  
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