

2132230-3 ✓ ACTIVE

Economy Power 2.5

TE Internal #: 2132230-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Economy Power 2.5

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

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	3
Number of Rows	1

#### Electrical Characteristics

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

#### Body Features



Primary Product Color	White
-----------------------	-------

### Contact Features

Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	2 – 5 $\mu$ m[80 – 200 $\mu$ in]
PCB Contact Termination Area Plating Material Thickness	2.032 $\mu$ m[80 $\mu$ in]
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 Retention Type	Kinked
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 GF
Centerline (Pitch)	2.5 mm[.098 in]

### Dimensions



Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.8 mm[.346 in]
Connector Length	12.5 mm[.49 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	600
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: JUNE 2024 (241) 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 # 1969442-3  
EP 2.5 TPA Housing, 3 Pos



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

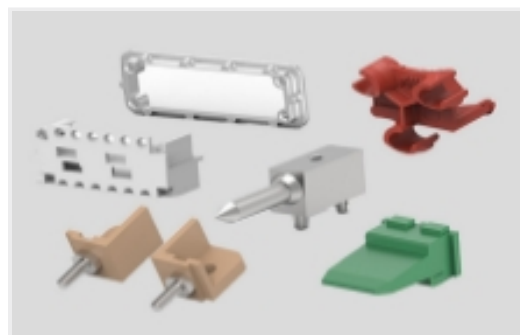


TE Part # 1969730-3  
EP2.5 SHROUDED HDR ASSY 3P VERTICAL

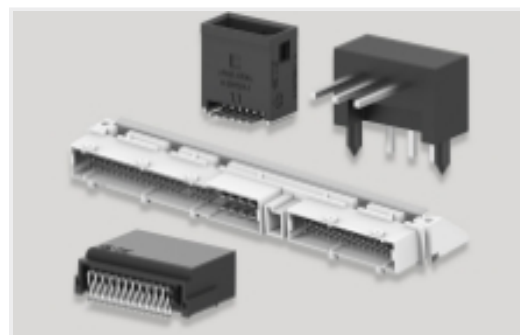
## Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



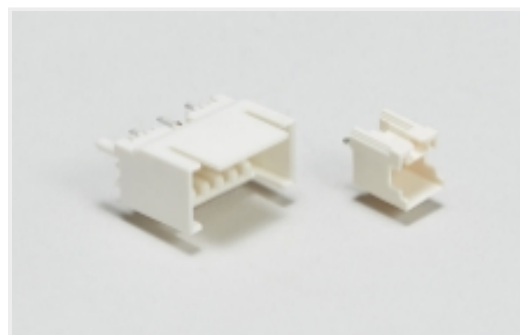
PCB Headers & Receptacles(533)



Rectangular Power Connectors(531)



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



Wire-to-Board Headers & Receptacles (533)

## Customers Also Bought



TE Part #3-2319764-2  
E STACK PIANO 4P G LONG T&R PD ON



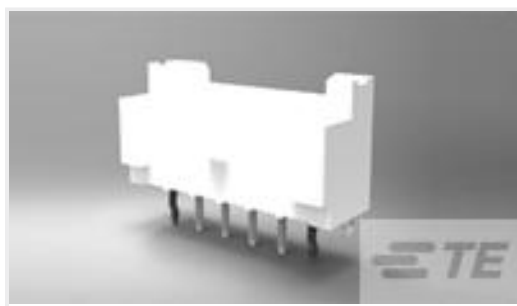
TE Part #2-2176090-7  
RP 1J 0.166W 243K 0.1% 25PPM 1K RL



TE Part #6-520315-0  
10 POS TRIO MATE ASSY VERT



TE Part #2118717-2  
STD SHIELD COVER, CRS-26.71X26.71X2.00MM



TE Part #2132230-6  
EP2.5 Shrouded HDR ASSY 6P VER



TE Part #6-2176231-5  
3522 4K7 1% 3W



TE Part #2-5499141-1  
A/L UNIV HDR 10P RA LAT BLU



TE Part #1-2176326-6  
CRGP 0603 180R 1%



TE Part #ANT-868-CW-HWR-SMA  
Antenna 1/2 Wave Whip Swivel  
868MHz SMA



TE Part #3-2176326-8  
CRGP 0603 12K 1%

## Documents

### Product Drawings

[EP2.5 Shrouded HDR ASSY 3P VER](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2132230-3\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2132230-3\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2132230-3\\_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