

2-172487-2 ✓ ACTIVE

TE Internal #: 2-172487-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.5 mm [.098 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, Black, Bag

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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	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

### Configuration Features

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	Black
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### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Mating Area Plating Material Thickness	.8 $\mu$ m[31.49 $\mu$ in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin



Contact Type	Pin
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Contact Current Rating (Max)	3.5 A
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### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

Mating Retention	With
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PCB Mount Retention Type	Retention Solder Tails
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Mating Retention Type	Polarized Lock
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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PCB Mount Alignment	Without
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PCB Mount Retention	With
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### Housing Features

Housing Material	6/6 Nylon
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Centerline (Pitch)	2.5 mm[.098 in]
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### Dimensions

Connector Length	7.5 mm[.295 in]
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Connector Height	10.4 mm[.409 in]
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### Usage Conditions

Operating Temperature Range	-20 – 95 °C[-4 – 203 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Compatible With Agency/Standards Products	UL
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	1000
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Packaging Method	Bag
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### 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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 2-172486-2  
2P REC HSG CRIMP EI SER BLACK

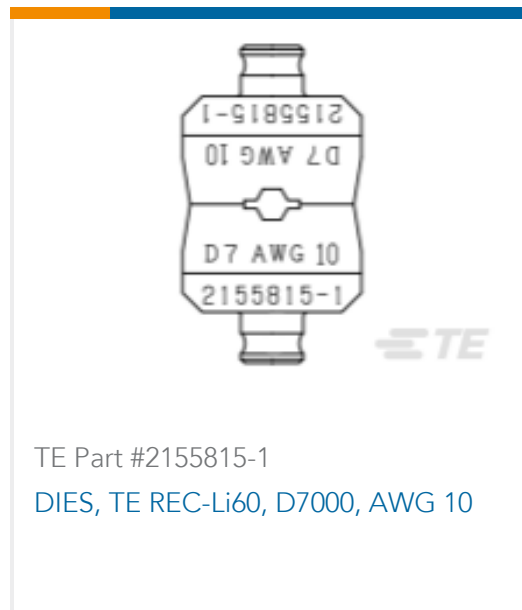
### Customers Also Bought

TE Part #1-292168-2  
CT 2mm Header Assembly: Right Angle

TE Part #1-1871131-3  
DYNAMIC D7 PIN CONTACT LONG AG PL #10-12

TE Part #1473649-9  
025 040 200POS CAP ASSY H

TE Part #5-1376384-1  
5.0 POWER KEY CONNECTOR 4P HEA



TE Part #2155815-1  
DIE, TE REC-Li60, D7000, AWG 10



TE Part #3-1554809-3  
RITS CONN. PLUG ASSY 3P ORANGE  
COVER



TE Part #1-1473057-2  
EP CONN HDR 2/4P



TE Part #1-292165-0  
CT P/HDR BOX V 10P T/P NAT



TE Part #6450140-9  
MBXL VERT RCPT 5P+24S+1M+6P

## Documents

### Product Drawings

#### E.I. POST HEADER ASSY 2P V

Japanese

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-172487-2\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-172487-2\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-172487-2\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### 1-1773972-5\_EIS\_Connectors\_Brochure

English

### Product Specifications

#### Crimping of AMP EI Series Connector Contacts

Japanese

#### Application Specification

Japanese



[Agency Approvals](#)

[Agency Approval Document](#)

English