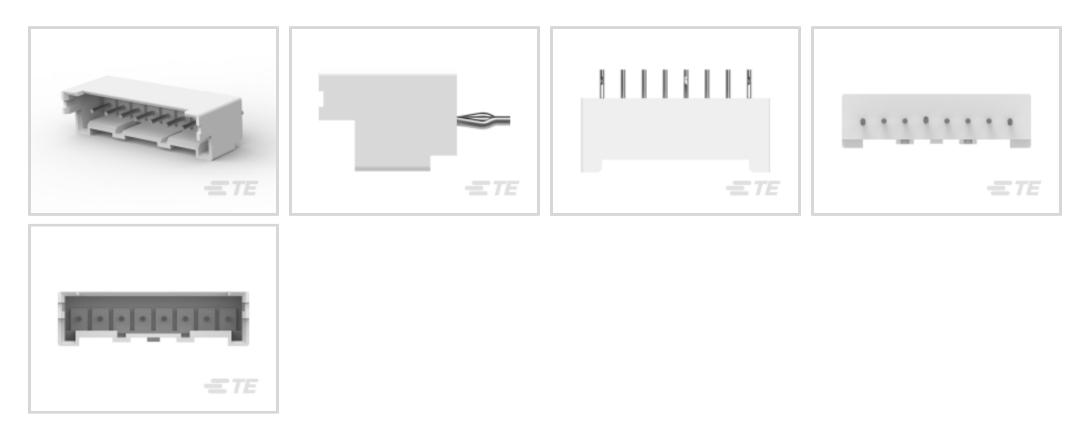
1744439-8 - ACTIVE

Economy Power 2.5

TE Internal #: 1744439-8 PCB Mount Header, Vertical, Wire-to-Board, 8 Position, .098 in [2.5 mm] 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: 8

Number of Rows: 1

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

PCB Mount Orientation: Vertical

Features

Connectivity

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					
Number of Positions	8				
Number of Rows	1				
PCB Mount Orientation	Vertical				
Electrical Characteristics					
Operating Voltage	250 VAC				
Body Features					
Primary Product Color	Natural				

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, .098 in [2.5 mm] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5



Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	2.032 μm[80 μin]
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 Finish	Bright
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
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[.133 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Housing Features	With
	With Nylon
Housing Features	
Housing Features Housing Material	Nylon
Housing Features Housing Material Centerline (Pitch)	Nylon
Housing Features Housing Material Centerline (Pitch) Dimensions	Nylon 2.5 mm[.098 in]

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, .098 in [2.5 mm] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5



Connector Width	9.58 mm[.377 in]
	7.30 mm[.377 m]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	500
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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, .098 in [2.5 mm] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5



Compatible Parts



TE Part # 1744417-8 8 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1969442-8 EP 2.5 TPA Housing, 8 Pos



TE Part # 1969541-8 RETAINER, TPA, DUAL ROW, EP2.5

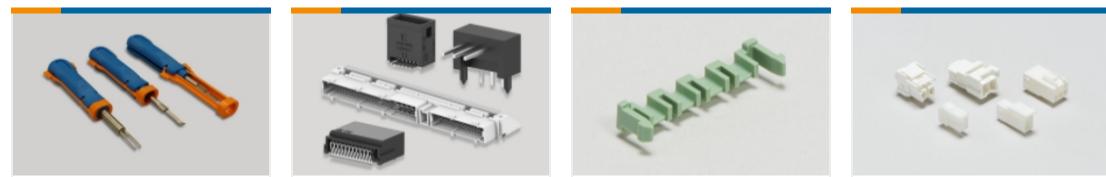


TE Part # 2311995-3 EP2.5 HDR ASSY 3P VERT, GW,NO PIN 2

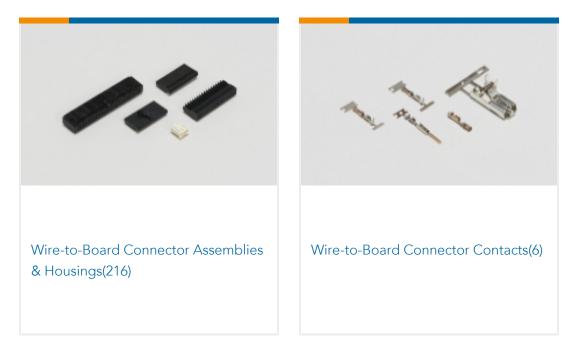


TE Part # 2311995-7 EP2.5 HDR ASSY 7P VERT, GW,NO PIN 6

Also in the Series | Economy Power 2.5



Insertion & Extraction Tool	s(1)	PCB Headers & Receptacles(210)		PCB Latches, Locks & Retainers(49)		Rectangular Power Connectors(43)
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Customers Also Bought

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, .098 in [2.5 mm] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5





Documents

Product Drawings EP2.5 Shrd HDR ASSY 8P VERT, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744439-8_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744439-8_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744439-8_F.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

TE Material Declaration

English

Agency Approvals VDE Certificate

English