

1-1744426-7 ✓ ACTIVE

Economy Power 2.5

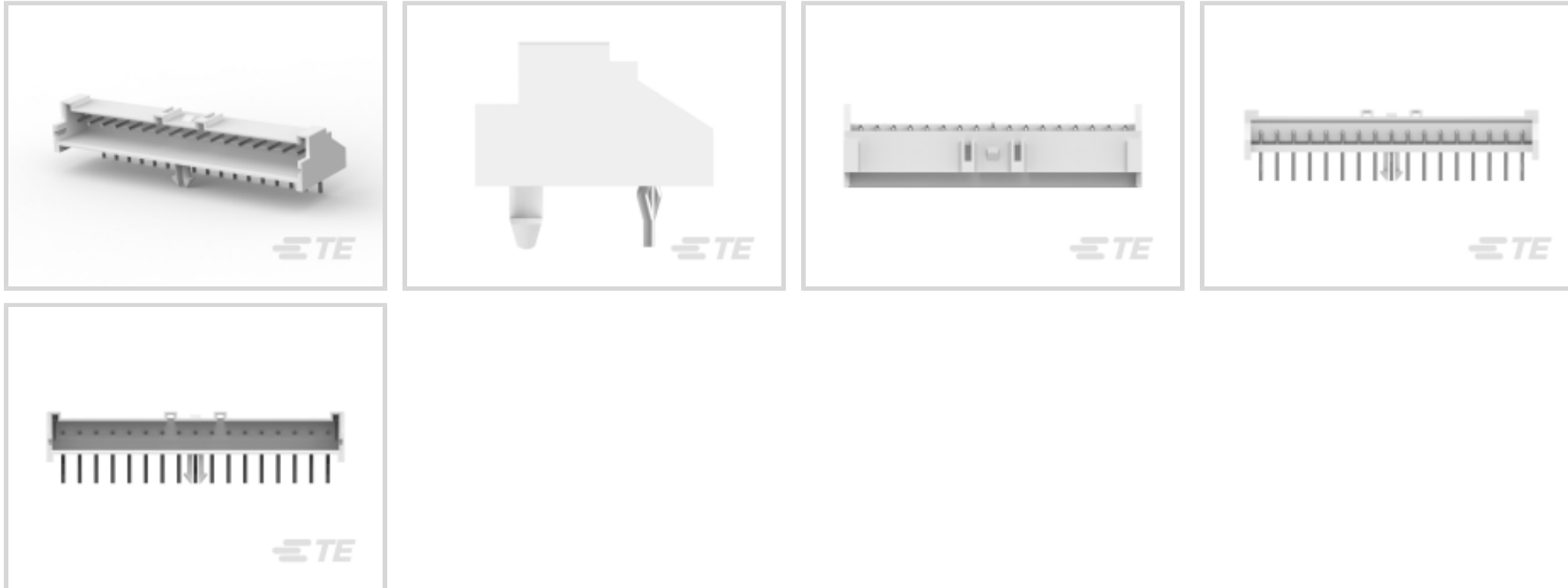
TE Internal #: 1-1744426-7

PCB Mount Header, Right Angle, Wire-to-Board, 17 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Economy Power 2.5

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **17**

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	Housing

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	17
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.032 μ m[80 μ in]
PCB Contact Termination Area Plating Material Thickness	2.032 μ m[80 μ in]
Contact Layout	Inline
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)	4.5 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.2 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Boardlock
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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



Dimensions

Connector Width	12.6 mm [.496 in]
PCB Thickness (Recommended)	1.6 mm [.063 in]
Connector Height	7.6 mm [.299 in]
Connector Length	45 mm [1.77 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

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	150
Packaging Method	Package

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 # 2232981-5
HEADER HOUSING ASSY, EP 2.5 RA, 5 POS.



TE Part # 1-1744417-7
17 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1-2324245-0
ASSY,HDR,VERT,GWT,BOSSED,DUAL ROW, EP2.5



TE Part # 1-1969442-7
EP 2.5 TPA Housing, 17 Pos



TE Part # 1-2323750-4
ASSY,HDR,RIGHT ANGLE,GWT,DUAL ROW, EP2.5

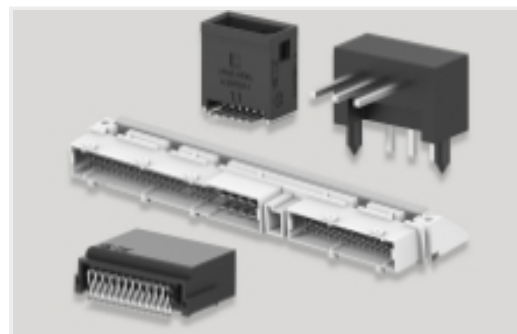
Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



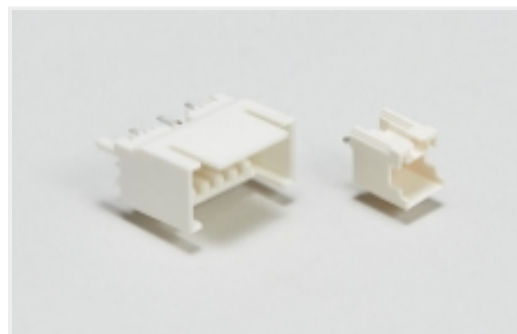
PCB Headers & Receptacles(533)



Rectangular Power Connectors(531)



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



Wire-to-Board Headers & Receptacles (533)

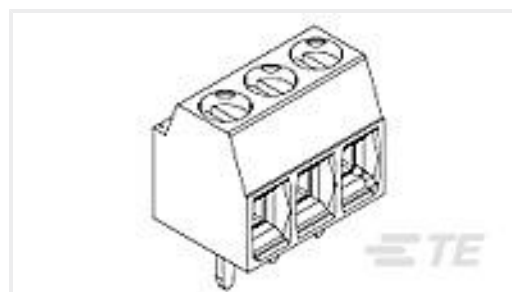
Customers Also Bought



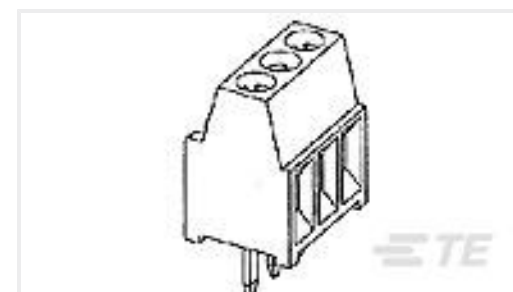
TE Part #9-146282-0
40 MODII HDR SRST B/A .100CL



TE Part #4-1393789-3
V23079D2001B301



TE Part #1776112-4
4P,2.60MM,SIDE ENTRY,HIGH TMP



TE Part #282834-2
TERMI-BLOK PCB MOUNT, 90 2P.



TE Part #5103309-3
A/L LOW PRO HDR 16P VERT BLACK

Documents

Product Drawings

[Header Housing Assy, EP 2.5 RA, 17 Pos.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1744426-7_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744426-7_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744426-7_D.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