

1-1744426-8 ✓ ACTIVE



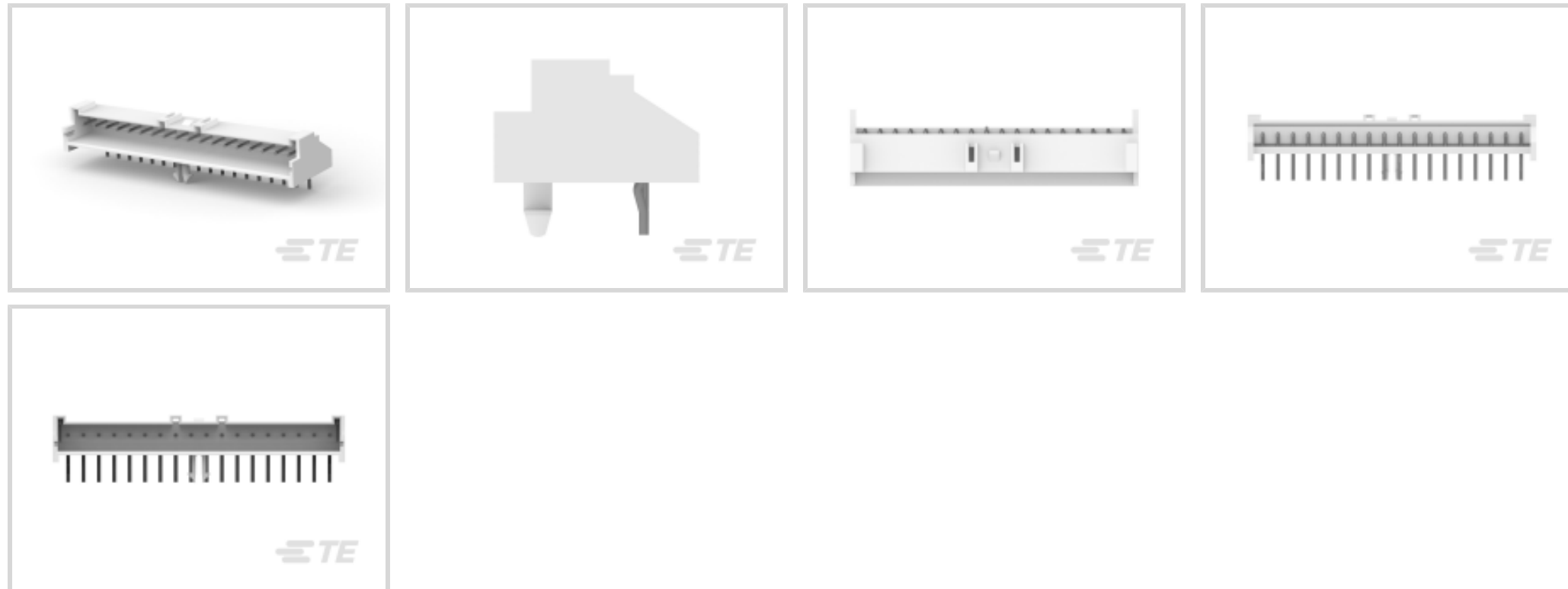
Economy Power 2.5

TE Internal #: 1-1744426-8

PCB Mount Header, Right Angle, Wire-to-Board, 18 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



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **18**

Number of Rows: **1**

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

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	18
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.032 μ m[80 μ in]
Contact Layout	Inline
Mating Pin Diameter	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
Contact Mating Area Plating Material Thickness	2.032 μ m[80 μ in]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	4.5 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

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

Housing Features

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

Dimensions



Connector Length	47.5 mm[1.87 in]
Connector Height	7.6 mm[.299 in]
Connector Width	12.6 mm[.496 in]
PCB Thickness (Recommended)	1.6 mm[.063 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

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

Packaging Features

Packaging Quantity	100
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: JUNE 2024 (241) 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 # 2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG



TE Part # 1-1744417-8
18 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1-1969442-8
EP 2.5 TPA Housing, 18 Pos



TE Part # 1-1969541-8
RETAINER, TPA, DUAL ROW, EP2.5



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




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

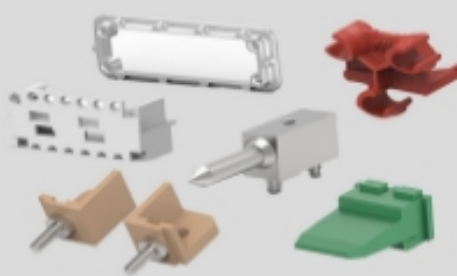


TE Part # 2232981-5
HEADER HOUSING ASSY, EP 2.5 RA, 5 POS.

Also in the Series | Economy Power 2.5



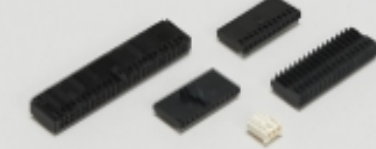
Connector Contacts(6)



Connector Hardware(49)



PCB Headers & Receptacles(537)



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

Customers Also Bought




TE Part #1969161-5
ULTRA-POD 250 ASY REC 0.3-0.8 MM2 TPBR



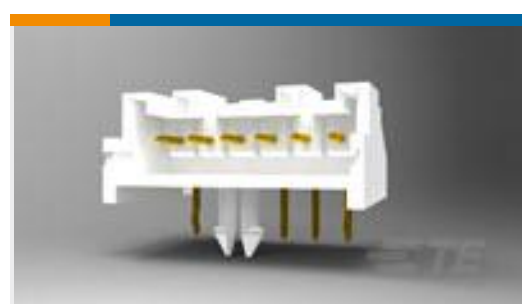
TE Part #6-1971875-3
PTL 3X3 CAP PANEL MT HITEMP KEY B RED



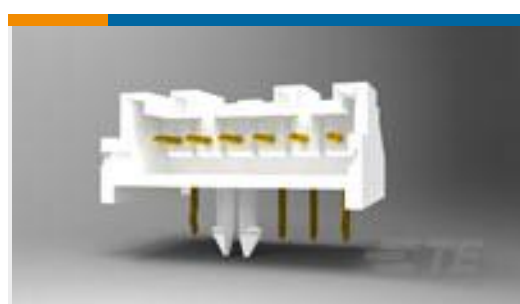
TE Part #7-1971876-3
PTL 3X3 PLUG HSG HIGH TEMP KEY C BLK



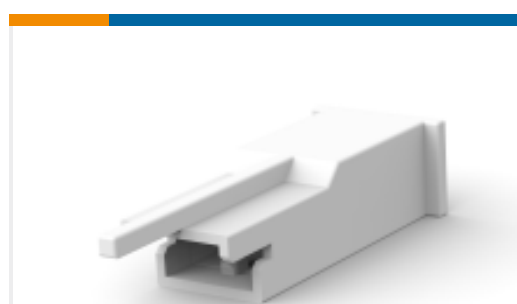
TE Part #1-1744426-3
Header Housing Assy, EP 2.5 RA, 13 Pos.



TE Part #1-1744426-6
Header Housing Assy, EP 2.5 RA, 16
Pos.



TE Part #1-1744426-9
Header Housing Assy, EP 2.5 RA, 19
Pos.



TE Part #1969630-2
250 HSG POSI-LOK MKI, NAT



TE Part #521955-2
PL MKIII 250 REC HSG 2P



TE Part #6-1971876-3
PTL 3X3 PLUG HSG HIGH TEMP KEY
B RED

Documents

Product Drawings

[Header Housing Assy, EP 2.5 RA, 18 Pos.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1744426-8_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744426-8_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744426-8_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

[UL Report](#)

English