



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **8**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

Features

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

Connector Contact Load Condition	Fully Loaded
Number of Positions	8
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	White
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Contact Features

Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	2.032 μm[80 μin]
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
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	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	12.89 mm[.507 in]
Connector Height	9.8 mm[.386 in]
Connector Width	10.16 mm[.4 in]
Row-to-Row Spacing	2.5 mm[.098 in]



Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
Packaging Type	Box

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: JUNE 2022 (224) 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 # 1744426-9
Header Housing Assy, EP 2.5 RA, 9 Pos.



TE Part # 1744426-5
Header Housing Assy, EP 2.5 RA, 5 Pos.



TE Part # 1744426-7
Header Housing Assy, EP 2.5 RA, 7 Pos.



TE Part # 1744426-8
Header Housing Assy, EP 2.5 RA, 8 Pos.



TE Part # 1-1969582-0
ASSY, HDR, VERT, NO-BOSS, DUAL ROW, EP2.5



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



TE Part # 2-1969543-4
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part # 2-1969570-8
ASSY, HDR, VERT, GWT, BOSSED, DUAL ROW, EP2.5



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



TE Part # 1-2324245-2
ASSY, HDR, VERT, GWT, BOSSED, DUAL ROW, EP2.5

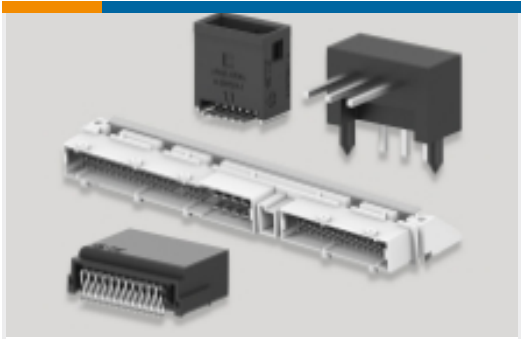


TE Part # 1-2324245-4
ASSY, HDR, VERT, GWT, BOSSED, DUAL ROW, EP2.5

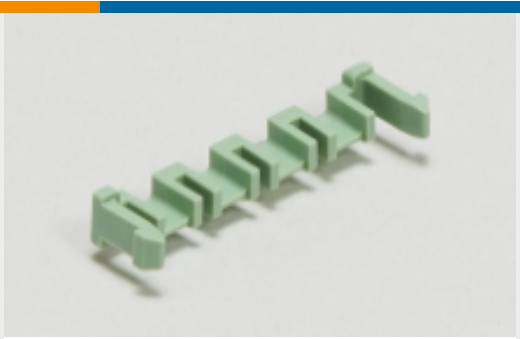
Also in the Series | Economy Power 2.5



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(408)



PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies & Housings(311)



Wire-to-Board Connector Contacts(6)

Documents



Product Drawings

ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969543-8_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969543-8_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969543-8_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English