

1969543-8 ✓ ACTIVE



### Economy Power 2.5

TE Internal #: 1969543-8

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: **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 $\mu$ m[80 $\mu$ in]
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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

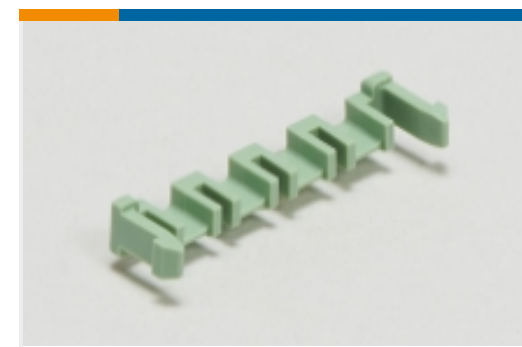
## Also in the Series | Economy Power 2.5




Insertion & Extraction Tools(1)




PCB Headers & Receptacles(210)




PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies & Housings(216)

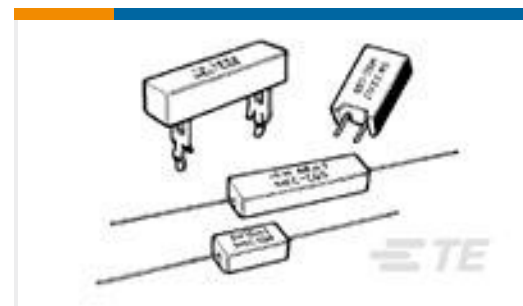


Wire-to-Board Connector Contacts(6)

## Customers Also Bought



TE Part #2007637-7  
SFP+ assy 2x2 spring Fingers Outer Lp Sn



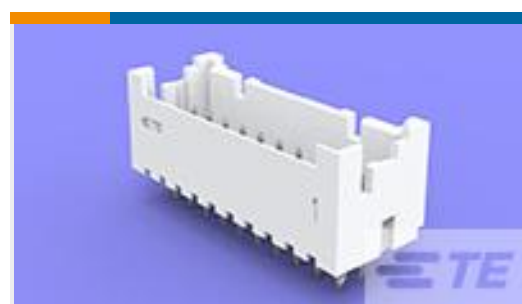
TE Part #2-1623788-4  
SQM5 R20 5% (WIRE)



TE Part #1735265-8  
1MM FPC HORZ.BOTTOM CONT. ASSY 8P (Au)



TE Part #1744439-6  
EP2.5 Shrd HDR ASSY 6P VERT, GW



TE Part #2-1969584-8  
ASSY,HDR,VERT,GWT,NO-BOSS, DUAL ROW,EP2.5



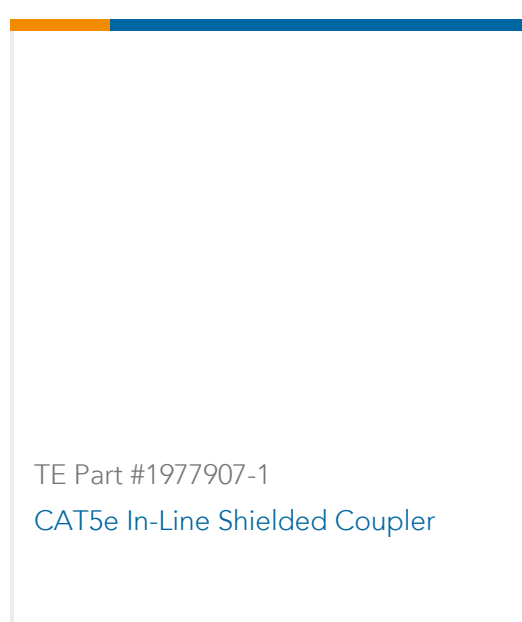
TE Part #2-1969543-2  
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #1-1969543-4  
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #1-1969543-2  
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #1977907-1  
CAT5e In-Line Shielded Coupler

## 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

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**Datasheets & Catalog Pages**

[7-1773461-6\\_EP2.5\\_Connector\\_Series](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[TE Material Declaration](#)

English

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**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

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**Agency Approvals**

[VDE Certificate](#)

English