

1-1969442-8 ✓ ACTIVE

Economy Power 2.5

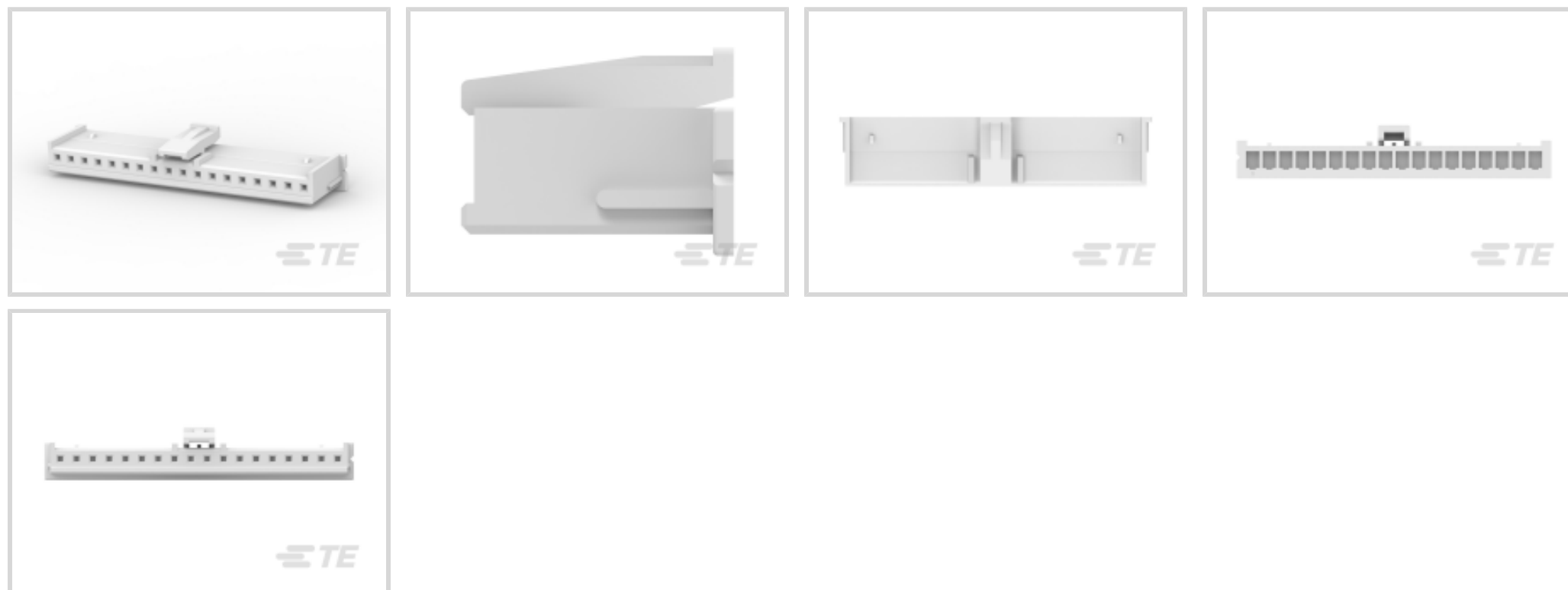
TE Internal #: 1-1969442-8

Housing, Receptacle, Wire-to-Board, 18 Position, 2.5 mm [.098 in]  
Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,  
Economy Power 2.5

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **18**

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

### Features

#### Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Positions	18
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Contact Features

Contact Type	Socket
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	4.5 A



### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Nylon - GF
Centerline (Pitch)	2.5 mm [.098 in]
Housing Color	Natural

### Dimensions

Connector Length	47.3 mm [1.862 in]
Connector Height	8 mm [.315 in]
Connector Width	9.58 mm [.377 in]
Wire Size	.13 – .33 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 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
CSA Certified	Pending

### Packaging Features

Packaging Quantity	250
Packaging Method	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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

### Product Compliance Disclaimer

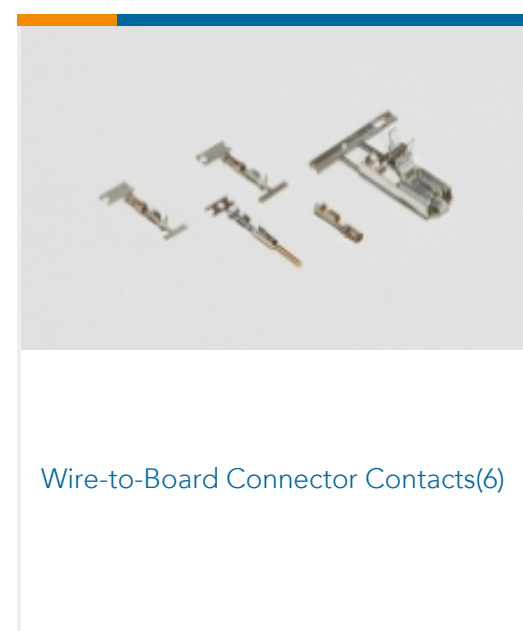
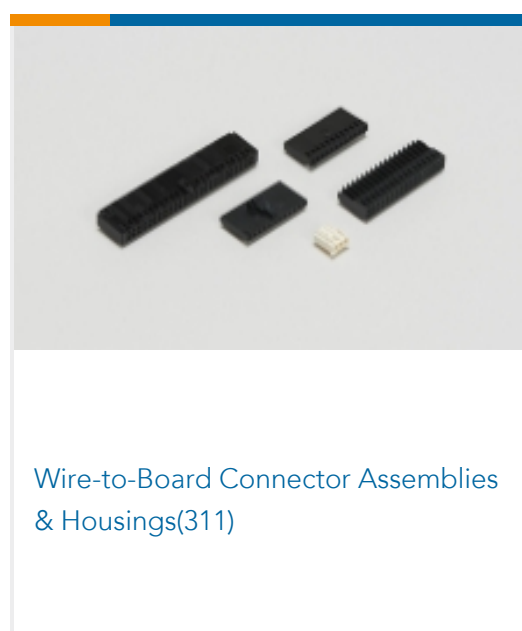
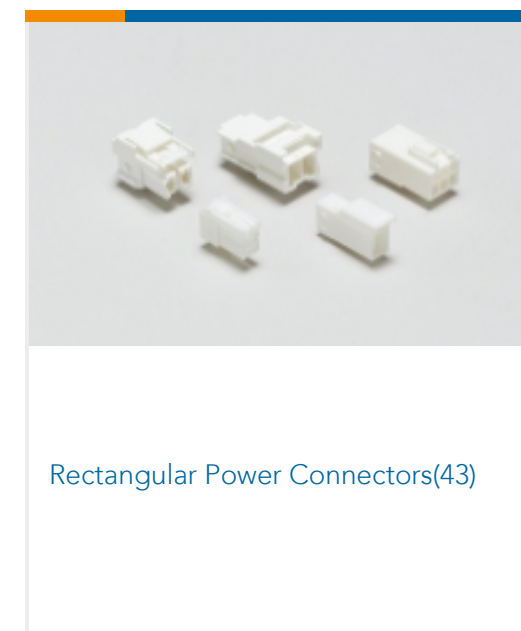
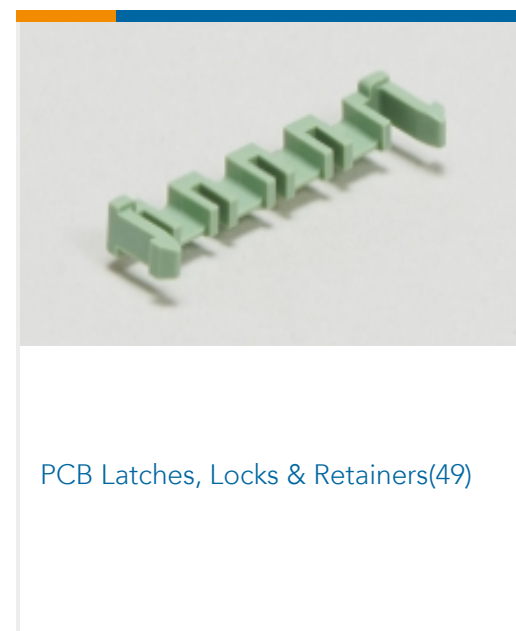
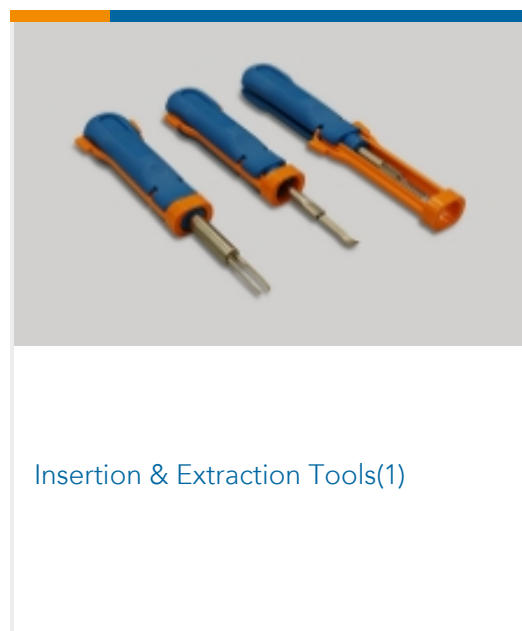
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 1744423-1 EP 2.5 RCPT CONTACT, 24-20 AWG</p>	 <p>TE Part # 2110989-1 EP 2.5 RCPT CONTACT, 26-22 AWG</p>	 <p>TE Part # 1-1744418-8 18 POS EP 2.5 HDR, GLOW WIRE</p>	 <p>TE Part # 1-1969541-8 RETAINER, TPA, DUAL ROW, EP2.5</p>
 <p>TE Part # 1-2132415-8 EP2.5 Shrouded HDR ASSY 18P VERT w/oboss</p>	 <p>TE Part # 1-1744426-8 Header Housing Assy, EP 2.5 RA, 18 Pos.</p>	 <p>TE Part # 1-1744439-8 EP2.5 Shrd HDR ASSY 18P VERT, GW</p>	 <p>TE Part # 1-1744446-8 Hdr Assy, EP 2.5 RA, 18 Pos., GW</p>



## Also in the Series | Economy Power 2.5



## Documents

### Product Drawings

EP 2.5 TPA Housing, 18 Pos

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1969442-8\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1969442-8\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1969442-8\\_C.3d\\_stp.zip](#)

English



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

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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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### Instruction Sheets

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

English

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### Agency Approvals

[UL Report](#)

English