



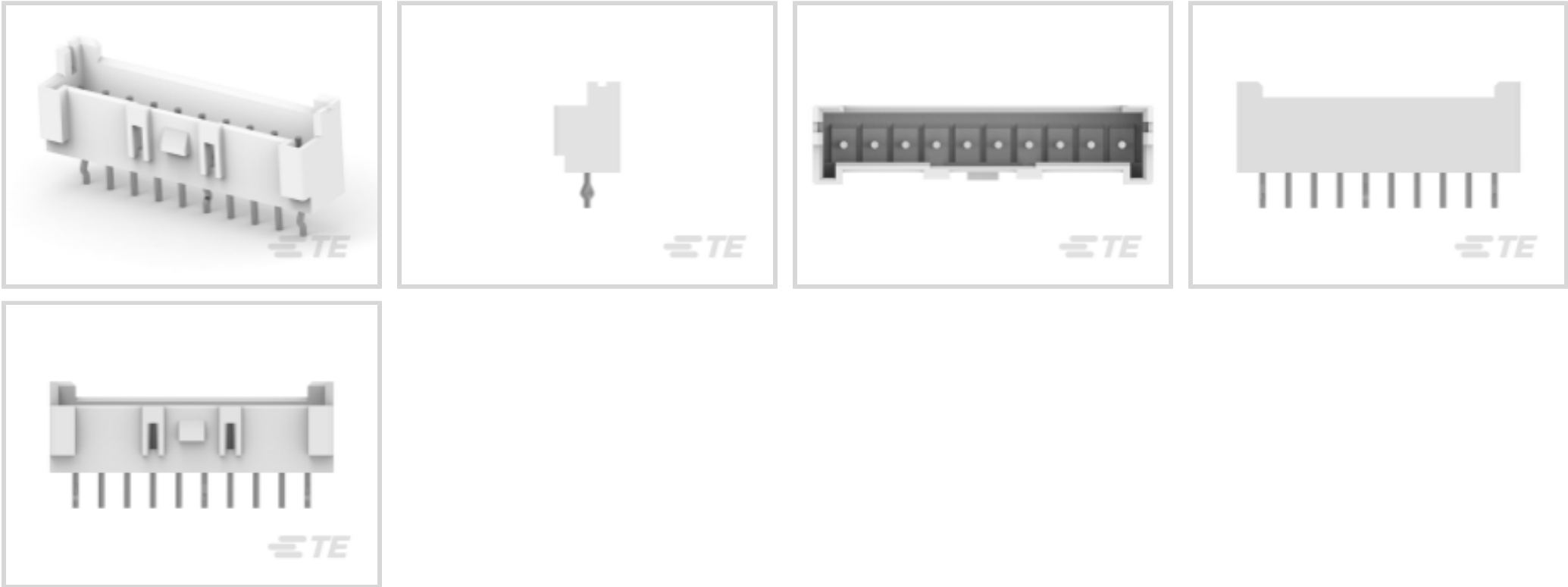
Economy Power 2.5

TE Internal #: 1-1969729-0

Rectangular Power Connectors, Header, Plug, Wire-to-Board / Wire-to-Wire, 10 Position, 2.5 mm [.098 in] Centerline, Economy Power 2.5

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board, Wire-to-Wire**
Number of Positions: **10**
Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	10
Number of Loaded Positions	10
Number of Positions	10
PCB Mount Orientation	Vertical
Number of Power Positions	10
Number of Rows	1

Electrical Characteristics



Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Underplating Material	Nickel
Contact Base Material	Brass
Contact Current Rating (Max)	4.2 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Legs
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm [.098 in]
Housing Color	Natural
Housing Material	PBT GF30

Dimensions

Height	8.8 mm [.346 in]
Length	27.5 mm [1.08 in]
Width	6.4 mm [.251 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Shielded	No

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	500

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: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

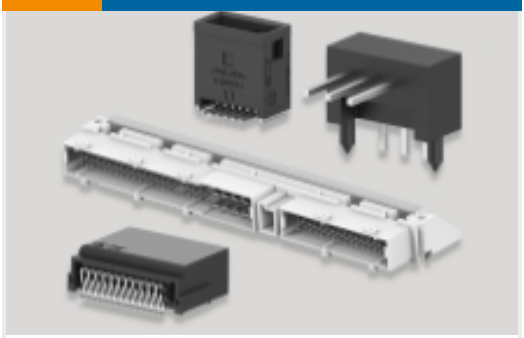
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



 TE Part # 1-1969730-4 EP2.5 SHROUDED HDR ASSY 14P VERTICAL	 TE Part # 1-2132415-5 EP2.5 Shrouded HDR ASSY 15P VERT w/o boss	 TE Part # 1744439-2 EP2.5 Shrd HDR ASSY 2P VERT, GW	 TE Part # 1744439-3 EP2.5 Shrd HDR ASSY 3P VERT, GW
 TE Part # 1744439-4 EP2.5 Shrd HDR ASSY 4P VERT, GW	 TE Part # 1969729-7 EP2.5 Shrouded HDR ASSY 7P VERT w /o boss	 TE Part # 1-1969730-0 EP2.5 SHROUDED HDR ASSY 10P VERTICAL	 TE Part # 1-1969730-2 EP2.5 SHROUDED HDR ASSY 12P VERTICAL
 TE Part # 1969729-2 EP2.5 Shrouded HDR ASSY 2P VERT w /o boss	 TE Part # 1969729-3 EP2.5 Shrouded HDR ASSY 3P VERT w /o boss	 TE Part # 1969729-4 EP2.5 Shrouded HDR ASSY 4P VERT w /o boss	 TE Part # 1969729-5 EP2.5 Shrouded HDR ASSY 5P VERT w /o boss
 TE Part # 1969729-9 EP2.5 Shrouded HDR ASSY 9P VERT w /o boss			

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



Wire-to-Board Connector Contacts(6)

Documents

Product Drawings

EP2.5 Shrouded HDR ASSY 10P VERT w/oboss

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969729-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1969729-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1969729-0_A.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English