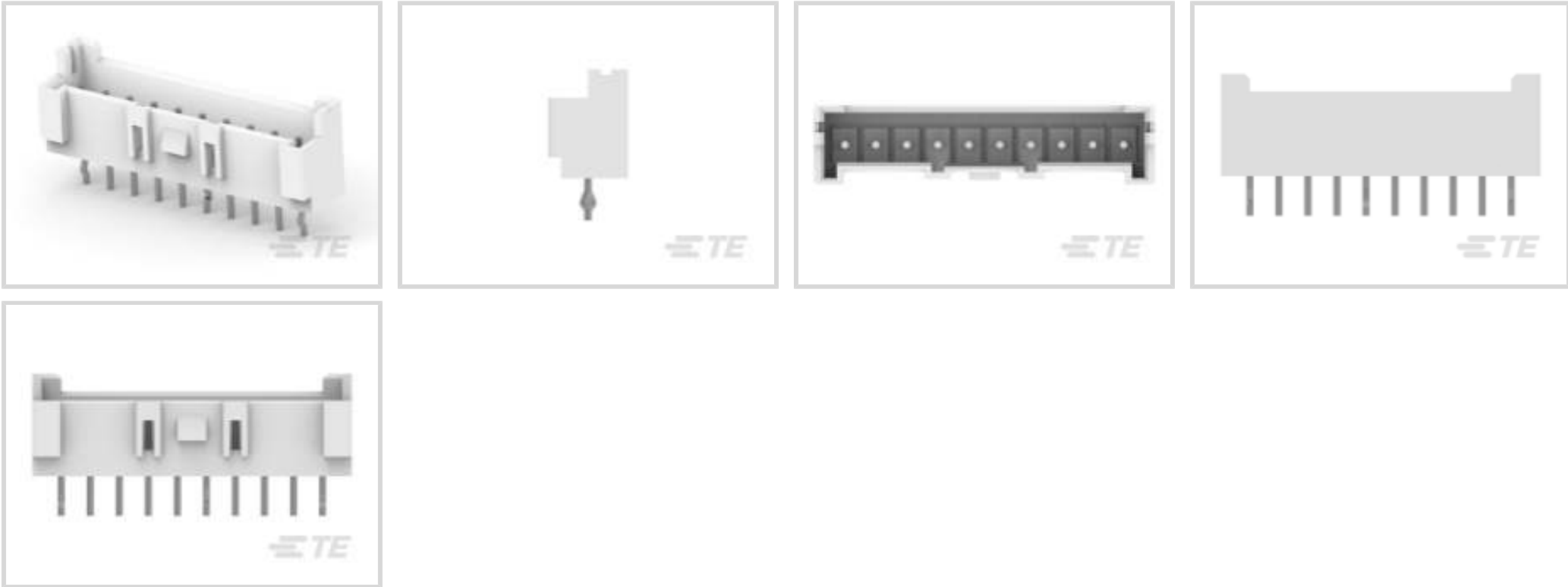




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



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

PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Mating Area Plating Material	Tin
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 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
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	500
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 2023 (235) Candidate List Declared Against: JAN 2018 (181) 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 # 1-1969442-0
EP 2.5 TPA Housing, 10 Pos

TE Part # 1-1969541-0
RETAINER, TPA, DUAL ROW, EP2.5

TE Part # 1-1744417-0
10 POS EP 2.5 HSG, GLOW WIRE

Also in the Series

Economy Power 2.5

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(494)

PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

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

Wire-to-Board Connector Contacts(6)

Customers Also Bought

PITCH BATTE

TE Part #2132415-2
EP2.5 Shrouded HDR ASSY 2P VERT w /o boss

TE Part #2132415-3
EP2.5 Shrouded HDR ASSY 3P VERT w /o boss

TE Part #1969442-6
EP 2.5 TPA Housing, 6 Pos

TE Part #1744416-8
8 POS EP II HSG, GLOW WIRE

TE Part #2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG

TE Part #1744423-1
EP 2.5 RCPT CONTACT, 24-20 AWG

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



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2132415-0_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2132415-0_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2132415-0_G.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

Agency Approvals

UL Report

English

UL Report

English