



Economy Power

TE Internal #: 1-1744428-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3.96 mm [.155 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power

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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**

Number of Positions: **12**

Centerline (Pitch): **3.96 mm [.155 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	12
Number of Loaded Positions	12
Number of Positions	12
PCB Mount Orientation	Right Angle
Number of Power Positions	12
Number of Rows	1

Electrical Characteristics



Operating Voltage	250 VDC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	8 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)	3.96 mm[.155 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Height	8.21 mm[.323 in]
Product Width	9.4 mm[.37 in]
Product Length	47.52 mm[1.87 in]

Usage Conditions

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

Shielded	No
Circuit Application	Power

Industry Standards

UL Rating	Recognized
Agency/Standard	UL
UL Flammability Rating	UL 94V-0



Glow Wire Rating	Glow Wire
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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: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-2132782-2
12 pos. EP II breakaway retain

TE Part # 1-1744416-2
12 POS EP II HSG, GLOW WIRE

TE Part # 3-1744525-9
3.96 EP HDR ASSY 9P R/A, NO 6,8 PINS



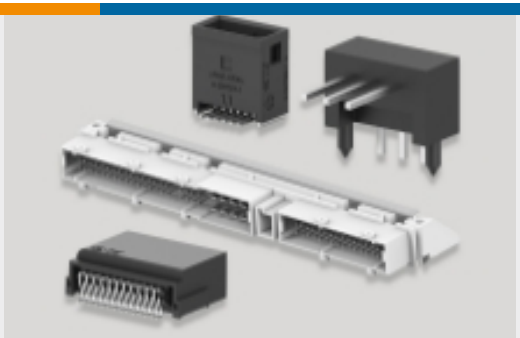
Also in the Series | Economy Power



Connector Contacts(1)



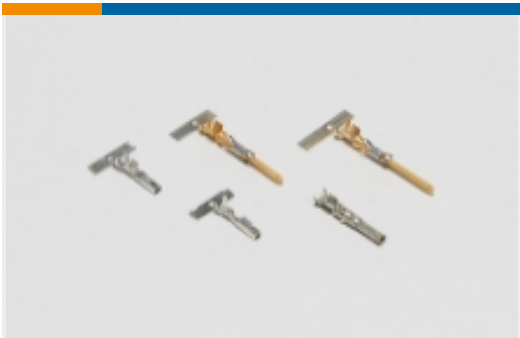
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(162)



PCB Latches, Locks & Retainers(2)



Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(302)

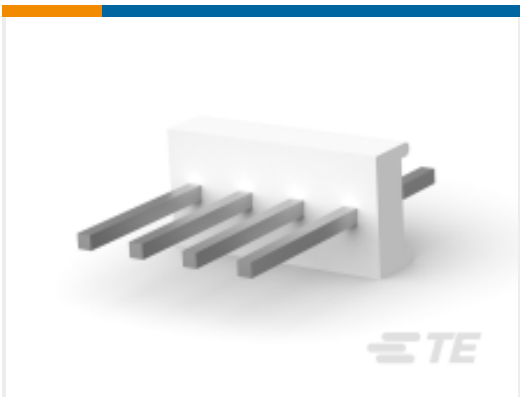


Wire-to-Board Connector Assemblies & Housings(142)

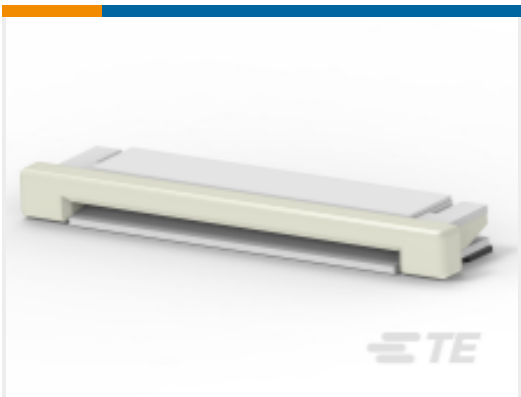


Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #640456-7
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part #1734592-6
0.5mm FPC Connectors



TE Part #1-2199298-5
DIP Socket: Low Profile, Stamped & Formed, Open, Tin



TE Part #5555163-1
MJ,LPF,R/A,6P/6C,PNL STOPS,BU



TE Part #1981568-1
MICRO USB, TYPE B,



TE Part #4-2176364-7
RQ 0402 14K 0.1% 10PPM 5K RL



Documents

Product Drawings

3.96 EP HDR ASSY 12P R/A, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1744428-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1744428-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1744428-2_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

UL Report

English