

1744337-1 ✓ ACTIVE



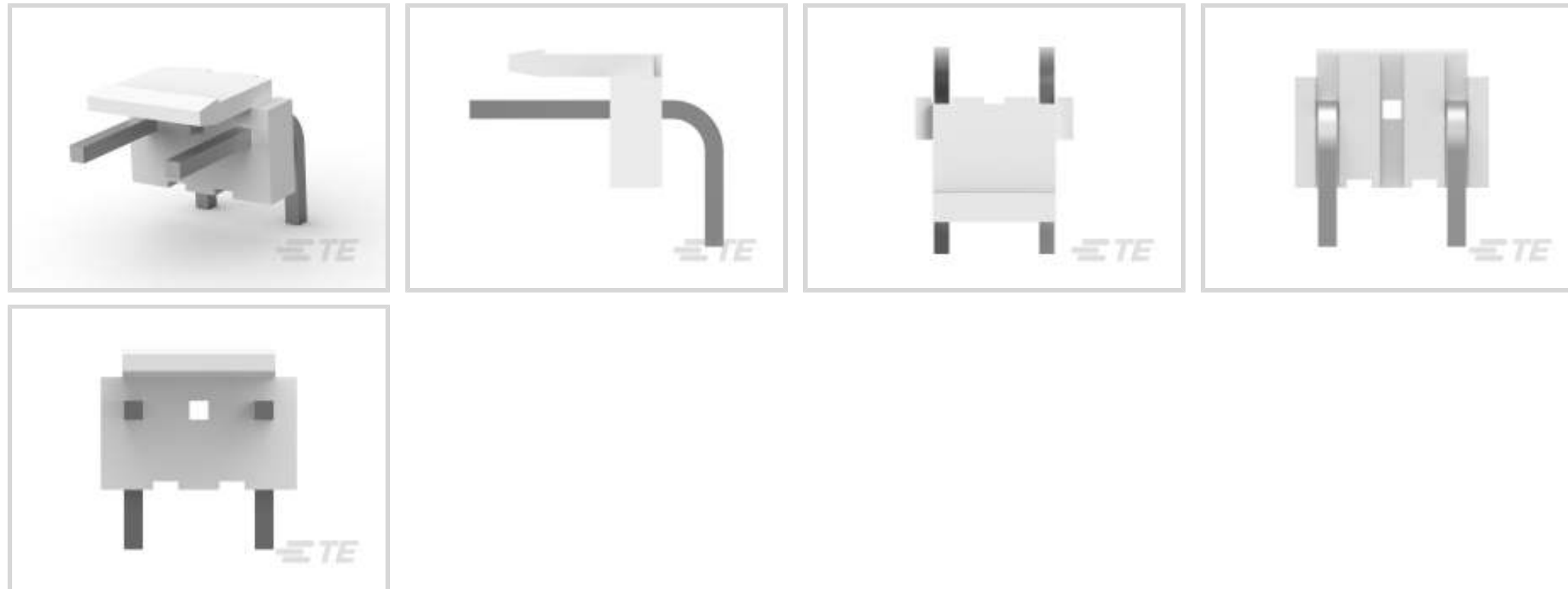
Economy Power

TE Internal #: 1744337-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power

[View on TE.com >](#)

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: **3**

Centerline (Pitch): **3.96 mm [.156 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 Positions	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	250 VDC
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#### Contact Features



Mating Post Length	8.6 mm[.339 in]
PCB Contact Termination Area Plating Material Thickness	.8 $\mu$ m, 2 $\mu$ m[31.49 $\mu$ in][80 $\mu$ in]
Contact Layout	Inline
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	80 $\mu$ m[2.03 $\mu$ in]

#### Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Strain Relief	Without
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

#### Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Nylon

#### Dimensions

Connector Height	8.2 mm[.323 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	15 mm[.591 in]
Product Length	11.88 mm[.468 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

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

### Packaging Features

Packaging Quantity	1000
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 2021 (211) 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	Pin-in-Paste capable to 260°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 # 1744416-3  
3 POS EP II HSG, GLOW WIRE



TE Part # 8-1744056-2  
3.96 EP HDR ASSY 2P R/A HT,TAPE



TE Part # 1744048-3  
03P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-4  
04P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-5  
05P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-6  
06P EC PWR.200 CL HDR ASSY RA



TE Part # 1744489-3  
3.96 EP HDR ASY 03P NO PEG, GW



TE Part # 1-1744048-0  
10P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-2  
02P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-7  
07P EC PWR.200 CL HDR ASSY RA



TE Part # 1744055-3  
3.96 EP HDR ASSY 3P VERT HT




TE Part # 1744493-3  
03P EP-II HOUSING, ORANGE




TE Part # 1744525-4  
EP RA 04P HEADER ASY NO 3 PIN

Also in the Series | Economy Power



Connector Contacts(1)



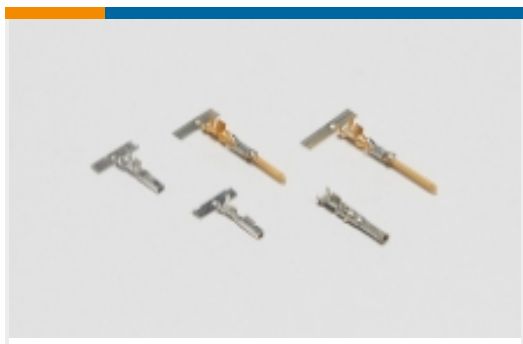
Insertion & Extraction Tools(1)



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 #825440-3  
MOD 2 PINHDR 2X03P.



TE Part #1705549-1  
Invertible Modular Jack 8P shielded



TE Part #1734248-5  
1.0 FPC, ZIF V/T, SMT, 5P



TE Part #9-1879509-4  
CRGH0805 1% 1K0 0.33W



TE Part #1-2176092-8  
RP 2A 0.25W 1K0 0.1% 25PPM 1K RL



TE Part #1-2176327-5  
CRGP 0805 150R 1%



TE Part #1-1393239-8  
RT114615



TE Part #2-1744417-0  
20 POS EP 2.5 HSG, GLOW WIRE



TE Part #2-1744418-0  
20 POS EP 2.5 HDR, GLOW WIRE

### Documents





### Product Drawings

[EP HDR ASSY 3P R/A, OMIT 2](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1744337-1\\_B\\_c-1744337-1-b.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1744337-1\\_B\\_c-1744337-1-b.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1744337-1\\_B\\_c-1744337-1-b.3d\\_stp.zip](#)

English

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

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English