

1-1744524-0 ✓ ACTIVE



Economy Power

TE Internal #: 1-1744524-0

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 10 Position, 3.96 mm [.156 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: **10**

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 | 10 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 10 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|



Contact Features

| | |
|---|------------------|
| Mating Post Length | 7.7 mm[.303 in] |
| PCB Contact Termination Area Plating Material Thickness | 3 µm[118 µin] |
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Matte |
| 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 | 3.04 µm[120 µin] |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 3.7 mm[.145 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Strain Relief | Without |
| Mating Retention | With |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| Panel Mount Feature | 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 | 9.4 mm[.37 in] |
| Product Width | 8.21 mm[.323 in] |
| Product Length | 39.6 mm[1.55 in] |



Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -25 – 105 °C[-13 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|---------------------------|
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

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 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 | 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



| | | | |
|---|---|---|--|
|  <p>TE Part # 1744429-7 3.96 EP HDR ASSY 7P W/PEGS, GW</p> |  <p>TE Part # 1-2132781-0 10P EP-II HOUSING, NATURAL</p> |  <p>TE Part # 1-1744416-0 10 POS EP II HSG, GLOW WIRE</p> |  <p>TE Part # 1744429-4 3.96 EP HDR ASSY 4P W/PEGS, GW</p> |
|  <p>TE Part # 1744429-9 3.96 EP HDR ASSY 9P W/PEGS, GW</p> |  <p>TE Part # 2-1744057-7 3.96 EP HDR ASSY 7P W/PEGS, BLUE</p> |  <p>TE Part # 1-1744036-0 10P ECONOMY POWER .200 CL HSG</p> |  <p>TE Part # 1-1744429-0 3.96 EP HDR ASSY 10P W/PEGS, GW</p> |
|  <p>TE Part # 1-1744429-9 3.96 EP HDR ASSY 9P W/PEGS, GW, NO PIN 3</p> |  <p>TE Part # 1-1744498-0 10P EP-II HOUSING, BLACK</p> |  <p>TE Part # 1-1744524-1 EP 11P HEADER ASY NO 6,10 PINS</p> |  <p>TE Part # 1-1744524-2 EP 12P HEADER ASY NO 2,6 PINS</p> |
|  <p>TE Part # 1744110-2 EP HDR ASSY 10P, NO #2 PIN</p> |  <p>TE Part # 1744291-1 EP HDR ASSY 5P W/PEG,NAT,W/0#3</p> |  <p>TE Part # 1744429-2 3.96 EP HDR ASSY 2P W/PEGS, GW</p> |  <p>TE Part # 1744524-5 EP 05P HEADER ASY NO 2,4 PINS</p> |
|  <p>TE Part # 1744524-6 EP 06P HEADER ASY NO 4 PIN</p> |  <p>TE Part # 2-1744435-8 EP 08P V-HDR ASY NO 3 PIN</p> |  <p>TE Part # 4-1744057-3 3.96 EP HDR ASSY 3P W/PEGS,YEL</p> | |

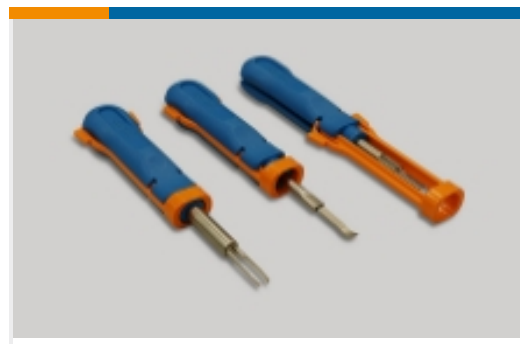
Also in the Series | Economy Power



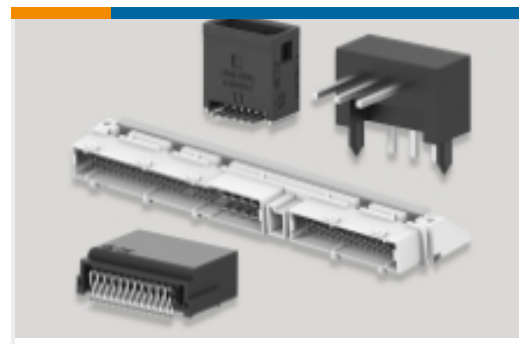
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(162)



Rectangular Connector Housings(1)



Rectangular Power Connectors(301)

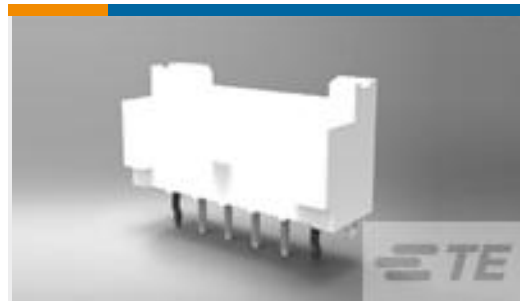


Wire-to-Board Connector Assemblies & Housings(142)

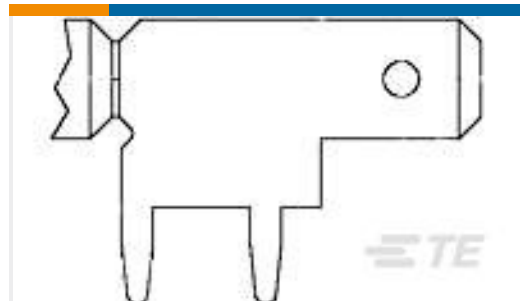
Customers Also Bought



TE Part #2132230-4
EP2.5 Shrouded HDR ASSY 4P VER



TE Part #1744418-8
8 POS EP 2.5 HDR, GLOW WIRE



TE Part #1217061-1
187 FASTON,FLAG,TAB,TNBR



TE Part #6-2338245-4
EP2.5 HDR 4P VERT BOSS,yellow,UL



TE Part #1-1744429-5
3.96 EP HDR ASSY 5P,NO 2,4PIN, W /PEGS,GW



TE Part #1-1971817-9
9P,RAST 2.5 Tab Header,Ex- Locking, THV



TE Part #1744524-9
09P EP HDR NO 7 PIN V0 GWT



TE Part #1-1969543-4
ASSY, HDR, VERT, BOSSSED, DUAL ROW, EP2.5



TE Part #2232236-1
187 FASTON,TAB,TPBR

Documents



Product Drawings

EP 10P HEADER ASY NO 8 PIN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.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