

647676-3 ✓ ACTIVE



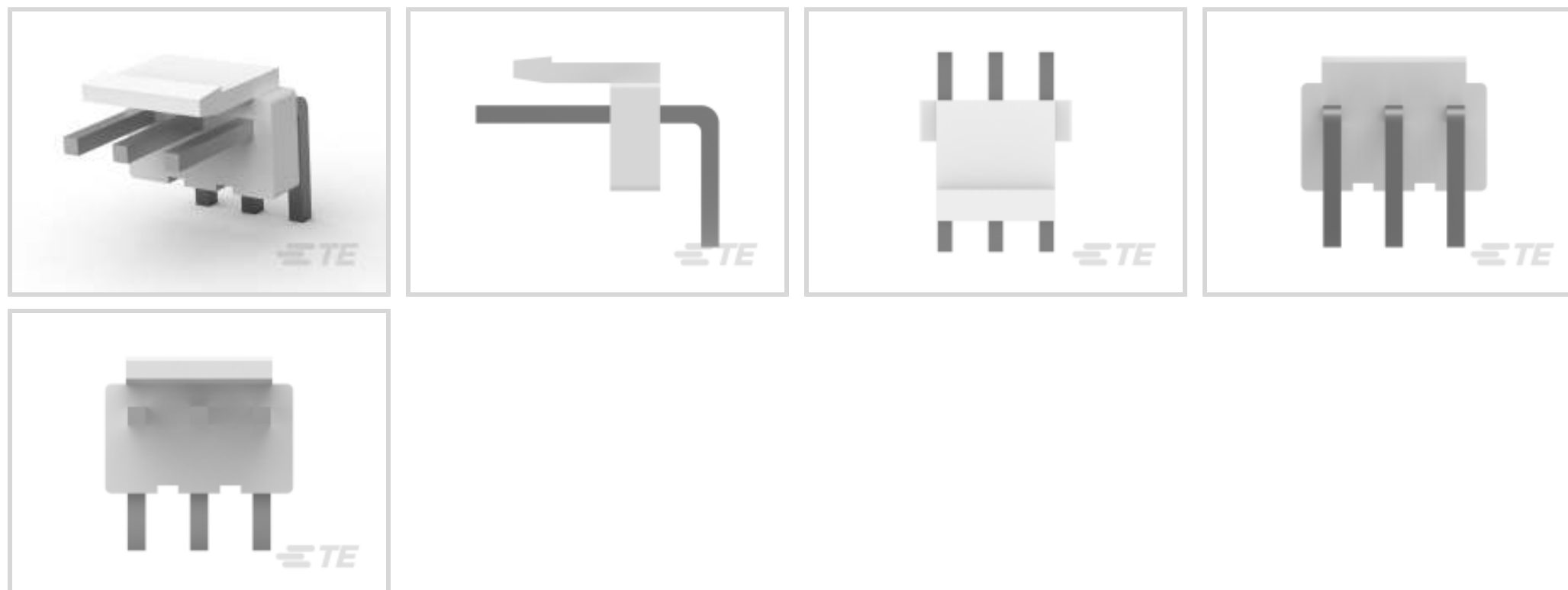
Economy Power

TE Internal #: 647676-3

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, Vertical |
| Number of Power Positions | 3 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features



| | |
|-------------------|-----|
| Connector Profile | Low |
|-------------------|-----|

Contact Features

| | |
|--|---------------------------|
| Mating Post Length | 8.6 mm[.33 in] |
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 7.5 A |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2.03 μ m[80 μ in] |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 5.34 mm[.21 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-------------|
| 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 | White |
| Housing Material | Nylon 66 |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 9.4 mm[.37 in] |
| Product Width | 15.37 mm[.605 in] |
| Product Length | 11.88 mm[.468 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 | 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: JUNE 2023 (235) 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 | 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 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 # 1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)



TE Part # 1744416-3
3 POS EP II HSG, GLOW WIRE




TE Part # 1744544-3
EP II TPA 03P, BLACK




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

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



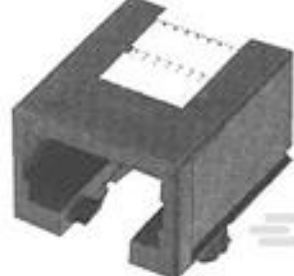
TE Part #179841-1
AMP POWER D/LOCK T/HDR ASSY 6P



TE Part #5-1625971-8
HSA25 56R 5%



TE Part #2-1879073-6
THS10 39R 5%



TE Part #3-215877-1
8/8 PCB MOD.JACK SE



TE Part #1-1376385-2
5mm B-T-W Conn. 6P HDR ASSEMBL



TE Part #5-794677-4
24POS MICRO MNL ASSY,R/A,THRU



TE Part #647676-8
3.96 EP HDR ASSY 8P R/A



TE Part #3-644617-6
06P MTA156 HDR ASY PO RA FB LF

Documents

Product Drawings

[3.96 EP HDR ASSY 3P R/A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_647676-3_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_647676-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_647676-3_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese

Agency Approvals

[UL Report](#)

English