



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Connector Width	9.58 mm[.377 in]
Connector Height	12 mm[.472 in]
Connector Length	15.13 mm[.595 in]

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
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Operating Temperature Range

-55 – 105 °C[-67 – 221 °F]

Mechanical Attachment

Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Polarization Post
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3.62 mm[.142 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 μm[31.5 μin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
PCB Contact Termination Area Plating Material Thickness	1 μm[39.37 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.78 mm[.306 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	12.3 A

Housing Features

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

Configuration Features

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Number of Loaded Positions	3
Number of Power Positions	3
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 1744493-3
03P EP-II HOUSING, ORANGE



TE Part # 2132781-3
03P EP-II HOUSING, NATURAL



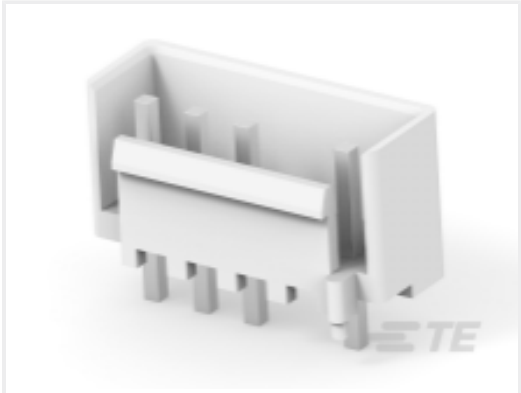
TE Part # 1744544-3
EP II TPA 03P, BLACK



TE Part # 1744036-3
03P ECONOMY POWER .200 CL HSG



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



TE Part # 1-1744427-5
EP HEADER ASY, SHROUDED, 5 POS, GW, NO PIN2

Also in the Series | Economy Power



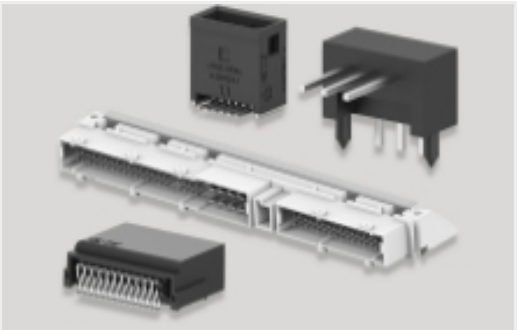
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



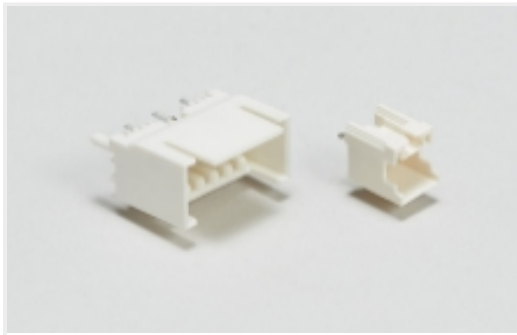
PCB Headers & Receptacles(402)



Power Contacts(9)



Rectangular Power Connectors(57)



Wire-to-Board Headers & Receptacles (402)

Customers Also Bought



TE Part #1609078-1
6ESRM-P=F6990



TE Part #2-2176056-5
RLP73K 2B R10 5% 5K RL



TE Part #1571999-6
ADP0404=PIANO DIP SWITCH



TE Part #1-1393230-1
RP3SL024



TE Part #292230-6
1.5 MINI CT SGL V SMT W/BOSS 6



TE Part #5-146128-1
03 MODII HDR SR SFMNT B/A LF



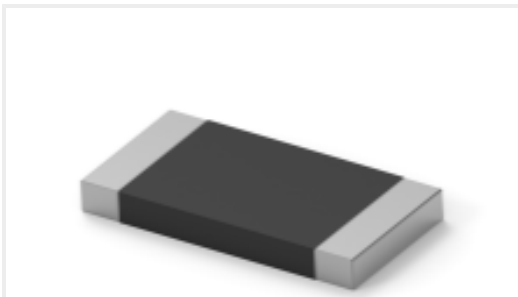
TE Part #1-1879352-5
RR02 5% 1R2 AMMO



TE Part #1-917542-2
DYNAMIC D-5 S/ROW HDR ASY 4P V



TE Part #T4144035041-000
M12 R/A M PNL REAR A-CODE 4P PCBSTD SHLD



TE Part #4-2176421-4
TLRP 2512 2.0W R005 1% 50PPM 4K RL

Documents

Product Drawings

EP Header Asy,Shrouded,3 Pos, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744427-3_A.2d_dxf.zip

1744427-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power



English

Customer View Model

[ENG_CVM_CVM_1744427-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744427-3_A.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](#)

English

Agency Approvals

[VDE Certificate](#)

English