



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	3 µm[118.11 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Mating Area Plating Material Thickness	3 µm[118.11 µin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Pegs
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon 66
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	11.88 mm[.468 in]
Connector Height	9.4 mm[.37 in]



Connector Width	8.6 mm[.339 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	1000
Packaging Method	Package

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	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

 TE Part # 2132781-3 03P EP-II HOUSING, NATURAL	 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	 TE Part # 4-1744057-3 3.96 EP HDR ASSY 3P W/PEGS,YEL	 TE Part # 2154828-2 Cable Assembly EP II 3 Pos	

Also in the Series | Economy Power

 Connector Contacts(15)	 Connector Hardware(2)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(400)
 Rectangular Connector Housings(1)	 Rectangular Power Connectors(64)	 Wire-to-Board Connector Assemblies & Housings(142)	

Customers Also Bought



TE Part #3-644042-3
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

TE Part #3-641126-8
08P MTA100 HDR ASY FL/STR LF

TE Part #9-6437287-8
SUPER SEAL 26POS CAP ASSY H AU

TE Part #4-1625999-7
HSC100 6R4 5%

TE Part #1825058-1
ADE02S04=DIP SWITCH,EXT,SMT-GW

TE Part #1-2364570-4
AVH19 FLT SS LK RNG GRN 12V16A

TE Part #5053092090
RNF-100-1/4-0-STK

TE Part #9-1440003-0
PCH-105D2H,000

TE Part #1337775-4
75 OHM COAX BNC STR PLUG P99-E

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1744057-3_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744057-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744057-3_C.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

7-1773458-5_ECONOMY_POWER_QRG

English



Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English