



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics



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

Body Features

Primary Product Color	Natural
-----------------------	---------

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

Housing Material	Nylon 66
Centerline (Pitch)	5.08 mm[.2 in]

Dimensions

Connector Width	8.52 mm[.335 in]
-----------------	------------------



PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.4 mm[.37 in]
Connector Length	14.12 mm[.55 in]

Usage Conditions

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

Operation/Application

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

Industry Standards

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

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: JAN 2025 (247) 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 240°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 # 1744036-3  
03P ECONOMY POWER .200 CL HSG

Also in the Series | Economy Power

Connector Contacts(15)

Connector Hardware(2)

Power Contacts(9)

Rectangular Connector Housings(58)

Rectangular Power Connectors(460)

Standard Rectangular Connectors(58)

Wire-to-Board Connector Assemblies & Housings(141)

Customers Also Bought


TE Part #321059  
TERMINAL,SOLIS FLAG R 4 10

TE Part #1744037-4  
04P EC PWR.200 CL HDR ASSY VRT


TE Part #3-1614884-4  
CPF 0805 51R 0.1% 25PPM 1K RL

TE Part #2-2176475-6  
RA73F 1J 10K7 0.1% 1K RL







TE Part #5749232-1  
Mini DIN, 8 pos, R/A, Shield




TE Part #1744036-4  
04P ECONOMY POWER .200 CL HSG




TE Part #3-644754-6  
06P MTA156 HDR ASSY SQ R/A F/L



TE Part #2-5102322-9  
A/L UNIV HDR 40P RA LAT BLUE



TE Part #3-2176092-6  
RP 2A 0.25W 1K65 0.1% 25PPM 1K RL



TE Part #3-644754-5  
05P MTA156 HDR ASSY SQ R/A F/L

Documents

Product Drawings

03P EC PWR.200 CL HDR ASSY VRT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1744037-3\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744037-3\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1744037-3\_O.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

Japanese

Application Specification

English

1744037-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5.08 mm [.2 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Economy Power



[Agency Approvals](#)

[VDE Certificate](#)

English