1744037-7 ✔ ACTIVE

Economy Power

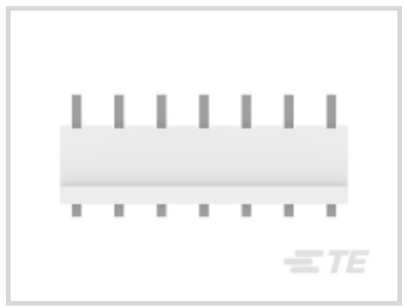
TE Internal #: 1744037-7

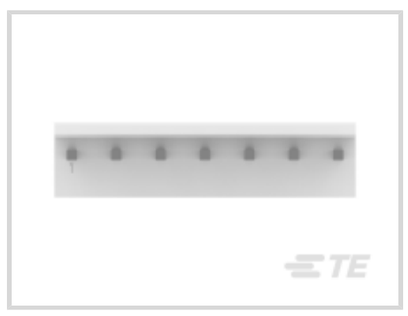
PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 5.08 mm [.2 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **7**

Number of Rows: **1**

Centerline (Pitch): **5.08 mm [.2 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	7
Number of Loaded Positions	7
Number of Positions	7
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

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 Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
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

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

Housing Features

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

Dimensions

Connector Length	34.44 mm[1.35 in]
Connector Height	9.4 mm[.37 in]

Connector Width	8.52 mm[.335 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

Industry Standards

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

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 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 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 # 1744416-7
7 POS EP II HSG, GLOW WIRE



TE Part # 1744036-7
07P ECONOMY POWER .200 CL HSG



TE Part # 1-2316953-4
04P EP.200 CL HDR ASSY VRT,NO PIN 1,3



TE Part # 2316953-3
03P EP.200 CL HDR ASSY VRT,NO PIN 2



TE Part # 2316953-4
04P EP.200 CL HDR ASSY VRT,NO PIN 2,3

Also in the Series | Economy Power



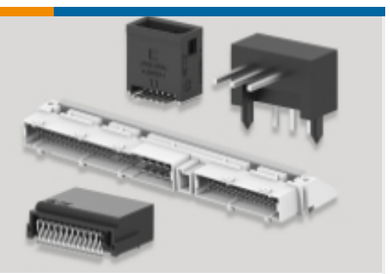
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)

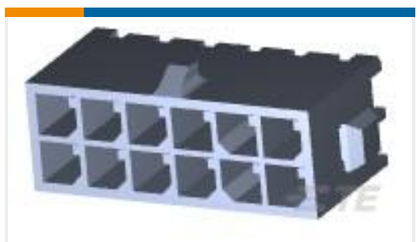


Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part #2205070-3
CA MICRO-MATCH MOW-PB 8POS



TE Part #4-794630-2
12P MICRO MNL ASSY,VRT,HDR,LF



TE Part #4-794630-0
10POS MICRO MNL ASSY,VRT,HDR



TE Part #2-1445055-3
MICRO MNL HDR ASSY S/ROW LF



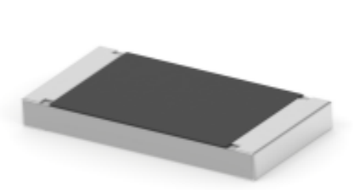
TE Part #3-794630-2
02P MICRO MNL ASSY,VRT,HDR,LF



TE Part #1-1624094-6
3613C 47UH 10%



TE Part #2118651-6
RF CA,UMCC GEN1-GEN1,1.13MM, L90MM,GREY



TE Part #1-2176348-8
CRGCQ 2010 680R 5%



TE Part #1612618-1
DDR SODIMM SOCKET 200POS SEMI-



TE Part #2118651-2
RF CA,UMCC GEN1-GEN1,1.13MM CABLE,L30MM

Documents

Product Drawings

07P EC PWR.200 CL HDR ASSY VRT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744037-7_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744037-7_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744037-7_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

Agency Approvals

VDE Certificate

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

141991-2 3430B2F51RTDF 3631B101LL 936348-1 SBCHE154R7K 1393431-1 2380312-2 3-1393225-0 ROX05SJ18R SBCHE64R7K 1-794222-0 175977-2 1969656-1 650075-000 917696-1 2834055-1 1743455-2 RH73H2A40MKTN 1903112-2 2-292161-3 2377783-2 MPT100C18RF 1-962915-1 2005330-1 CRGCQ2010J3K3 SMW73R0JT TE50BR39J U5254-000005-030PA 2310537-1 CPF0402B37K4E1