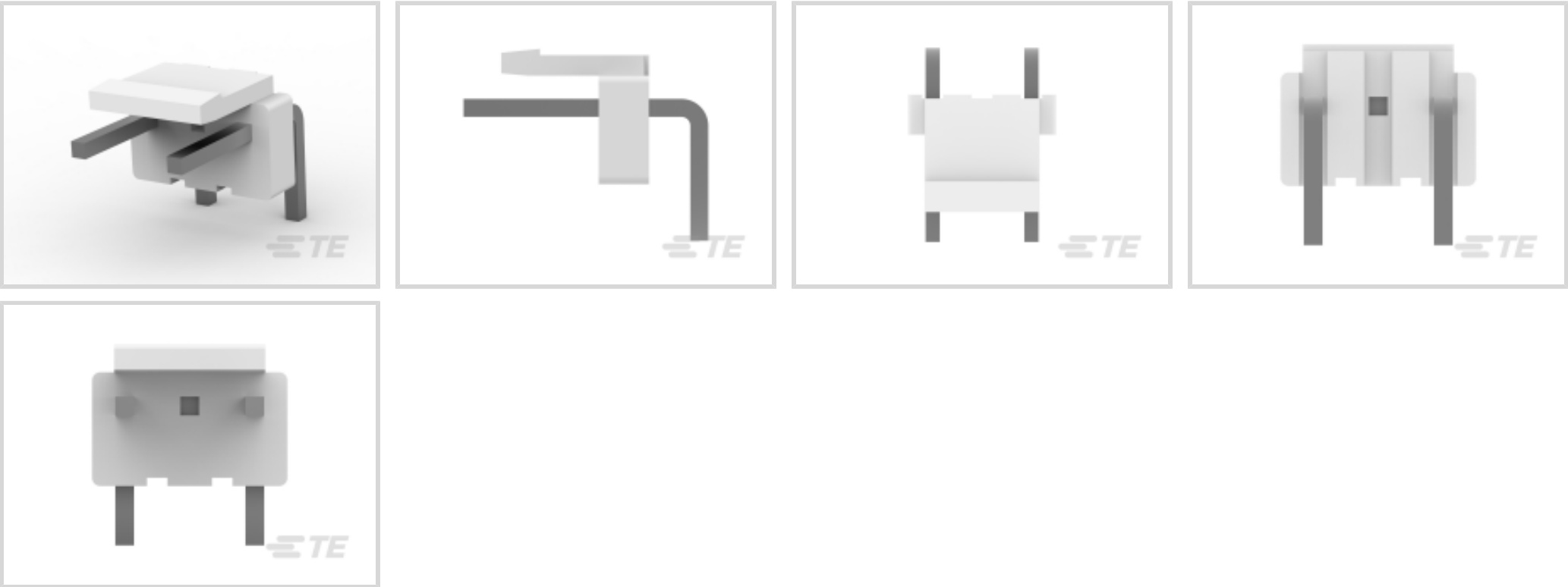




Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **3**

Number of Rows: **1**

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

Features

Product Type Features

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

Configuration Features

Number of Power Positions	3
Number of Columns	3
Number of Loaded Positions	2
Connector Contact Load Condition	Selectively Loaded
Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics



Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

Body Features

Connector Profile	Standard
Primary Product Color	Natural

Contact Features

Contact Mating Area Length	8.6 mm[.339 in]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Layout	Inline
Contact Mating Area Plating Material Thickness	2.03 μm[80 μin]
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

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.6 mm[.142 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

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Connector Length	19.8 mm[.78 in]
Connector Height	9.4 mm[.37 in]
Connector Width	8.6 mm[.338 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Other

Position Locations Omitted	2
Number of Blocked Positions	1

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 # 1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)




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




TE Part # 1744067-7
07P EC PWR.200 CL ASSY RA WO#5



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




TE Part # 1744525-5
EP RA 05P HEADER ASY NO 3 PIN




TE Part # 3-1744525-9
3.96 EP HDR ASSY 9P R/A, NO 6,8 PINS


Also in the Series | Economy Power



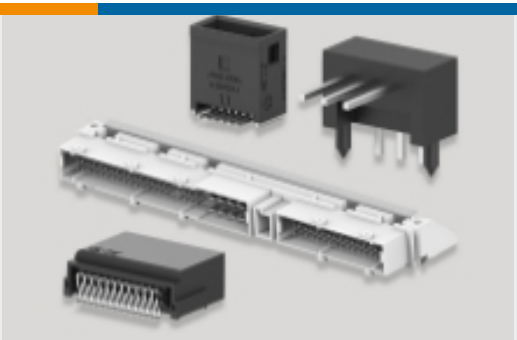
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(402)



Rectangular Connector Housings(1)

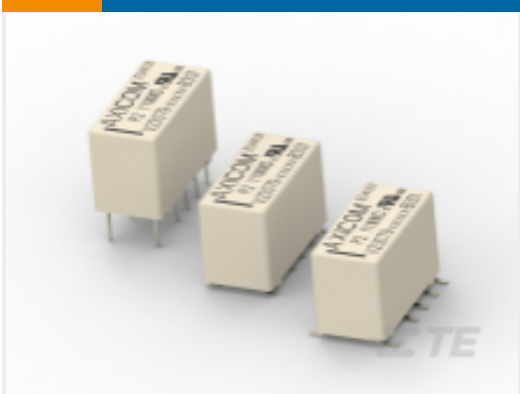


Rectangular Power Connectors(57)



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

Customers Also Bought



TE Part #3-1393789-7
Small Signal Relay, Axicom P2
Standard



TE Part #2834049-1
REC, 2P LATCHED POKE-IN WTW
CONN.NL



TE Part #171825-2
2 POS EIS POST HDR



TE Part #1-1123724-2
3.96EP HDR ASSY 2(3)P NATURAL



TE Part #1744048-2
02P EC PWR.200 CL HDR ASSY RA



TE Part #7-2176364-9
RQ 0402 30K1 0.1% 10PPM 5K RL



TE Part #1744428-2
3.96 EP HDR ASSY 2P R/A, GW



TE Part #2434804-1
5 position tactile, 7.5x7.5

Documents

Product Drawings

EP 03P RA-HDR ASY NO 2 PIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744525-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744525-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744525-3_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

VDE Certificate

English