



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Product Type Features

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

Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 μm[39.37 μin]



PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.05 μm[120.08 μin]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	3.05 μm[120 μin]
Contact Layout	Inline
Contact Mating Area Length	7.7 mm[.303 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	8.6 mm[.33 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	10.91 mm[.429 in]



.935 in

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	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: JAN 2025 (247) 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 # 2-1744524-4
EP 04P HEADER ASY,GW, NO 2,3 PIN



TE Part # 3-1744524-0
EP 10P HDR NO3,5,7,9PINS V0GWT



TE Part # 1-1744489-2
3.96 EP HDR ASY 12P NO PEG, GW



TE Part # 1-1744489-0
3.96 EP HDR ASY 10P NO PEG, GW



TE Part # 2-1744036-6
06P ECONOMY POWER .200 CL HSG



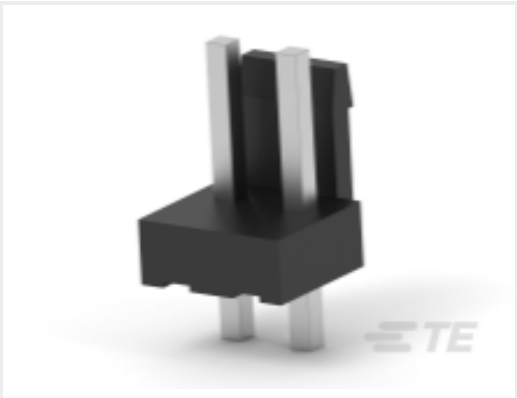
TE Part # 2-1744435-5
EP 05P V-HDR ASY NO 4 PIN



TE Part # 2-1744524-6
EP 06P HEADER ASY NO 2 PIN



TE Part # 1-1744524-4
EP 04P HEADER ASY,GW, NO 3 PIN



TE Part # 1744055-2
3.96 EP HDR ASSY 2P VERT HT



TE Part # 1-1744489-1
3.96 EP HDR ASY 11P NO PEG, GW



TE Part # 3-1744524-1
EP 11P HEADER ASY NO 2,6 PINS



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



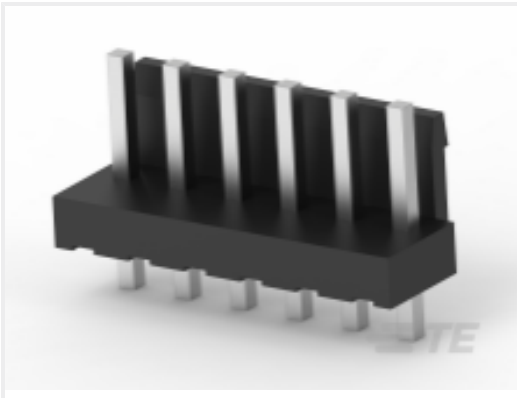
TE Part # 1-1744429-1
3.96 EP HDR ASSY 11P W/PEGS, GW



TE Part # 1744524-8
08P EP HDR NO 3,6 PIN V0 GWT



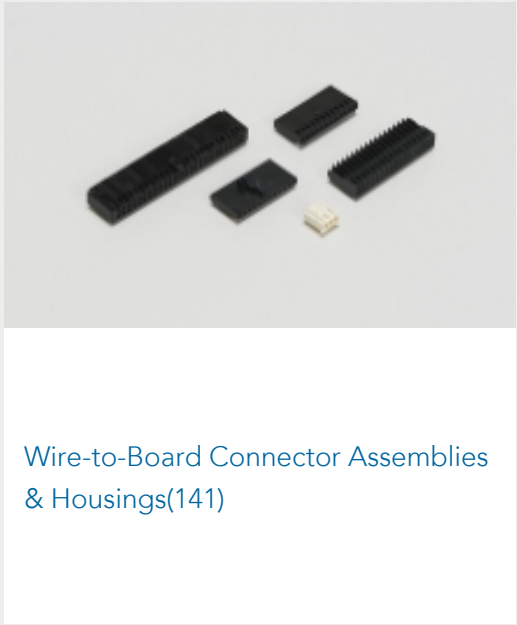
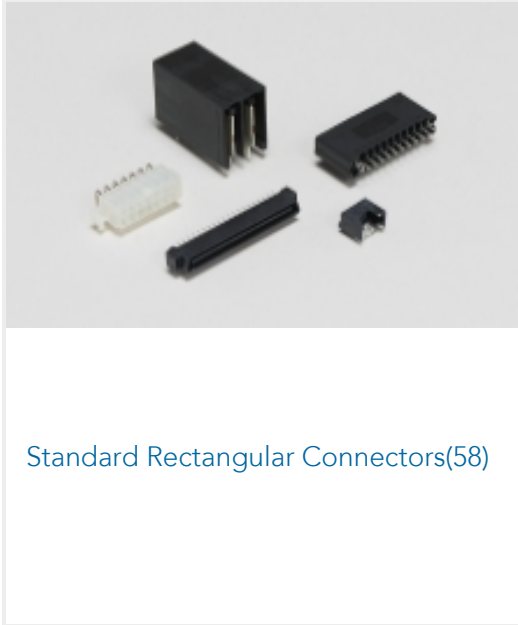
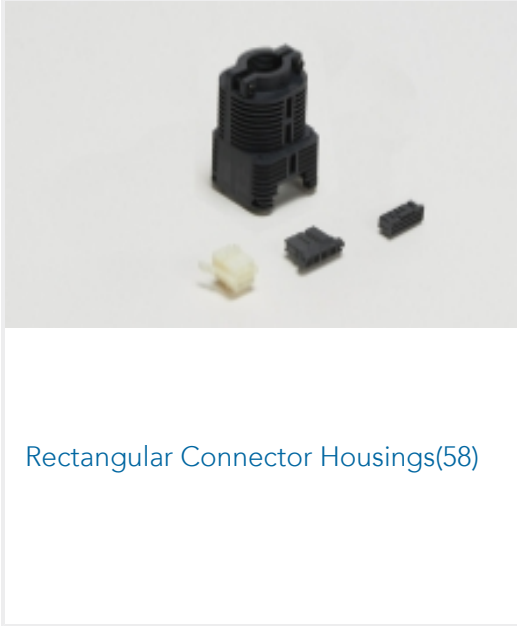
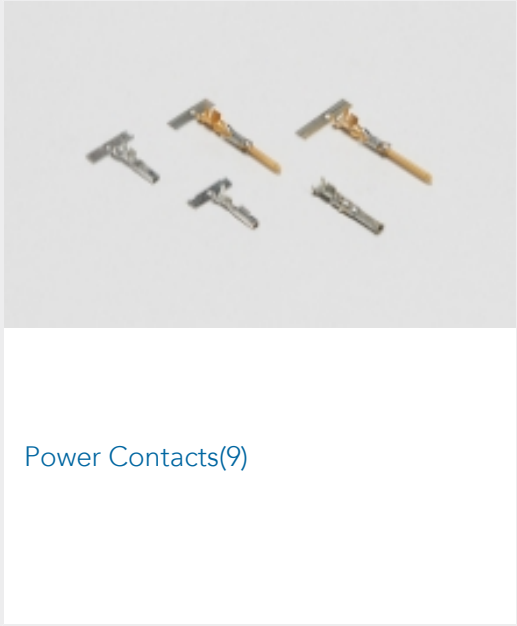
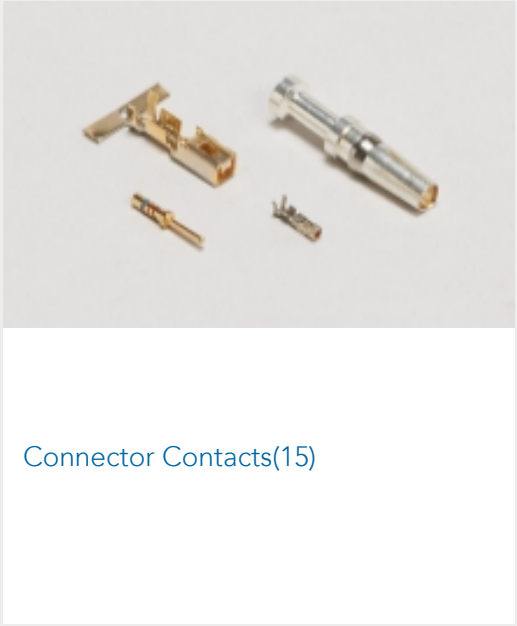
TE Part # 1744524-4
EP 04P HEADER ASY NO 2 PIN



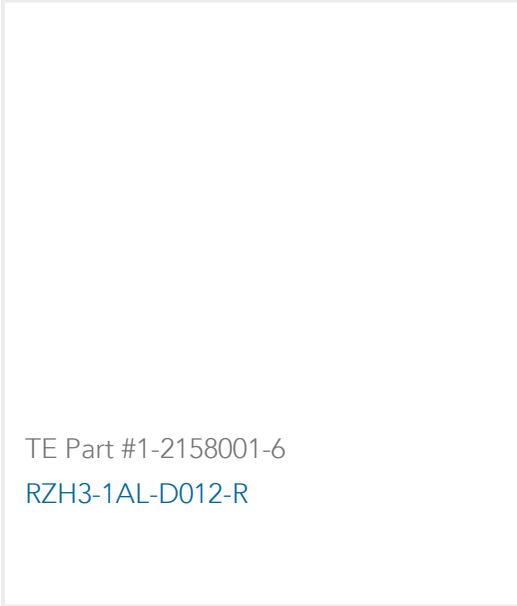
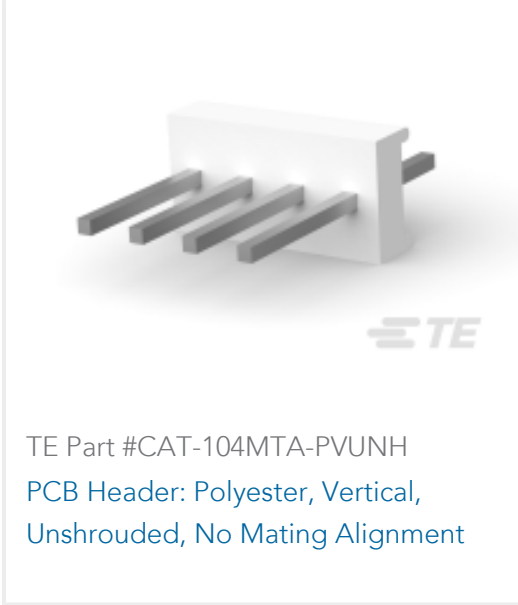
TE Part # 1744055-6
3.96 EP HDR ASSY 6P VERT HT

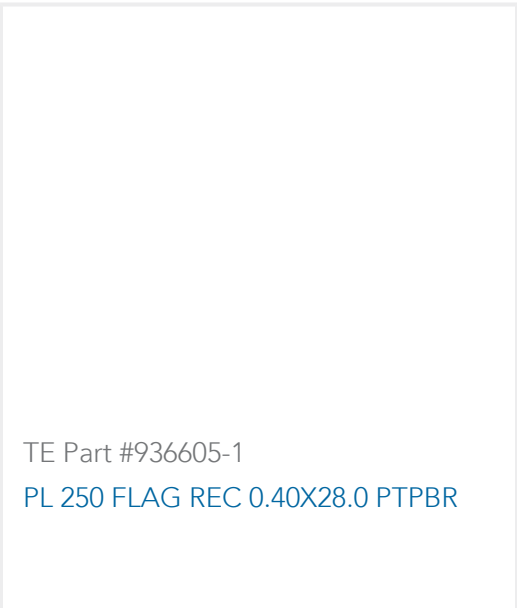


Also in the Series | Economy Power



Customers Also Bought





Documents

Product Drawings

EP 06P HEADER ASY NO 5 PIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1744524-6_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English