

1-1565035-4 ✓ ACTIVE



Economy Power

TE Internal #: 1-1565035-4

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VAC
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Dimensions

Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	10.7 mm[.421 in]
	.933 in

Packaging Features

Packaging Quantity	1500
Packaging Method	Bag

Industry Standards

Compatible With Agency/Standards Products	UL
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0



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

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 μm [31.49 – 70.86 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 μm [39.37 μin]
Mating Square Post Dimension	1.14 mm[.045 in]
	39.7 μin
Contact Shape & Form	Square
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	8 A

Housing Features

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

Configuration Features

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

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

Body Features

Primary Product Color	Natural
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Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 # 3-1123722-4
3.96 EP PLUG HSG 4P(BLUE)



TE Part # 5-1123722-4
3.96 EP PLUG HSG 4P(BLACK)



TE Part # 1123721-1
EP CONN. REC CONTACT



TE Part # 1-1123722-4
3.96 EP PLUG HSG 4P(NATURAL)



TE Part # 2-1123722-4
3.96 EP PLUG HSG 4P(YELLOW)



TE Part # 6-1123722-4
3.96 EP PLUG HSG 4P(GREEN)



TE Part # 4-1123722-4
3.96 EP PLUG HSG 4P(RED)



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



TE Part # 1744496-6
06P EP-II HOUSING, BLUE



TE Part # 1123721-2
ECONOMY POWER CONN REC CONTACT



TE Part # 1744416-6
6 POS EP II HSG, GLOW WIRE

Also in the Series | **Economy Power**



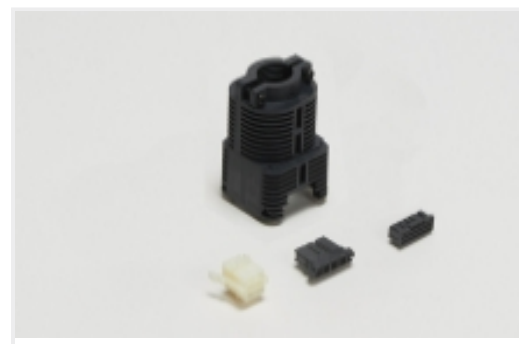
Connector Contacts(15)



Connector Hardware(2)



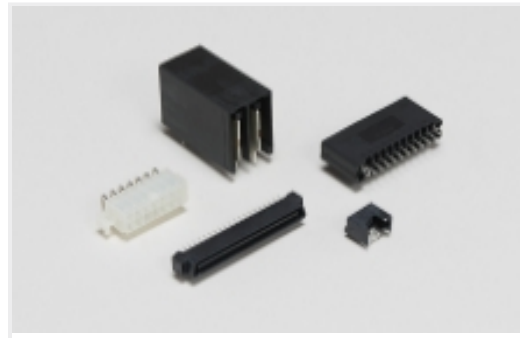
Power Contacts(9)



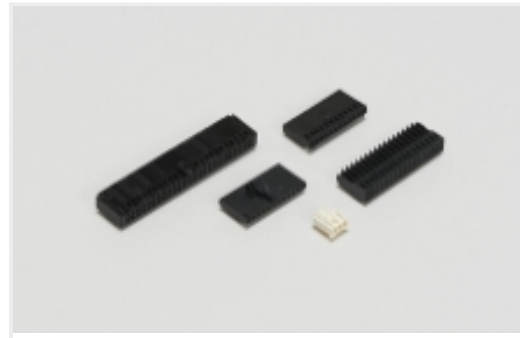
Rectangular Connector Housings(1)



Rectangular Power Connectors(57)

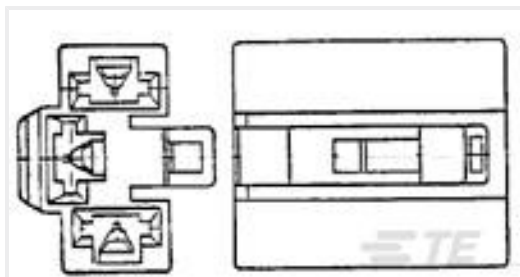


Standard Rectangular Connectors(1)



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

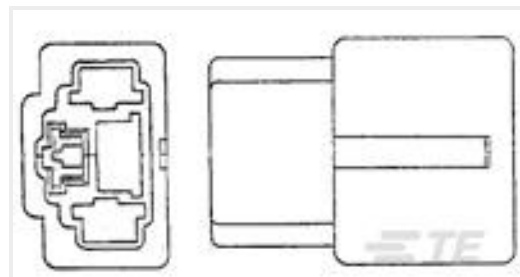
Customers Also Bought



TE Part #176774-5
FF 250 PLUG HSG 3P NYLON NAT



TE Part #62813-2
250 FASTON FLAG REC 22-18 AWG TPBR



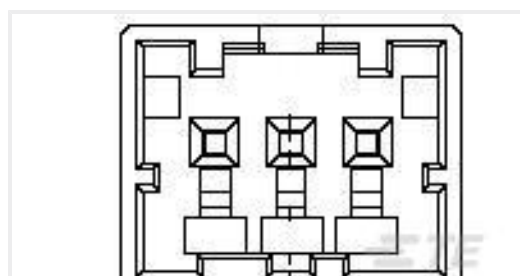
TE Part #176773-5
FF 250 CAP HSG 3P NYLON NAT



TE Part #2311995-7
EP2.5 HDR ASSY 7P VERT, GW,NO PIN 6



TE Part #1-1971906-2
HEADER ASSY 4POS,KEYING-A,NEW GIC3.3



TE Part #1903392-1
GIC 2.5 W CAP HSG 3P NATURAL



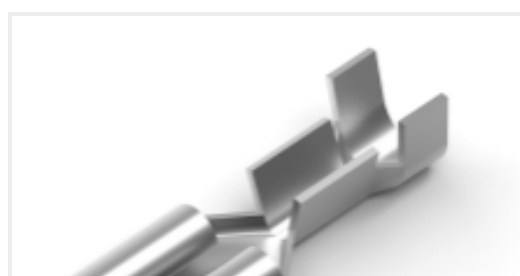
TE Part #179838-2
AMP POWER D/LOCK T/HDR ASSY 2P



TE Part #2-1971906-2
HEADER ASSY 4POS,KEYING-B,NEW GIC3.3



TE Part #5-1565036-8
EP3.96 HEADER ASSY, SELECTIVE PIN



TE Part #170046-2
250 FASTON,REC.,16-14 AWG,TPBR

Documents



Product Drawings

EP CONN HDR ASSY 4/6P SPECIAL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1565035-4_AD_c-1-1565035-4-ad.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1565035-4_AD_c-1-1565035-4-ad.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1565035-4_AD_c-1-1565035-4-ad.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

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

UL Report

English