1-1565035-4 ✔ ACTIVE

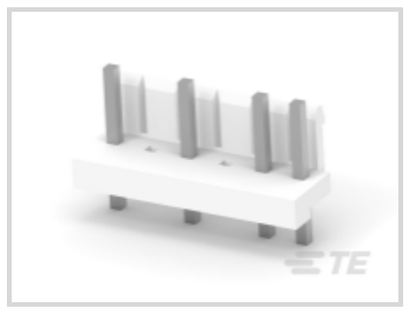
Economy Power

TE Internal #: 1-1565035-4

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

View on TE.com >

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**

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

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 VAC

Body Features

Primary Product Color	Natural

Contact Features

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

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

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	1500
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

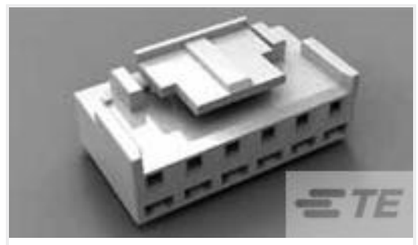
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 1744416-6
6 POS EP II HSG, GLOW WIRE

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

TE Part # 1123721-2
ECONOMY POWER CONN REC CONT



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

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

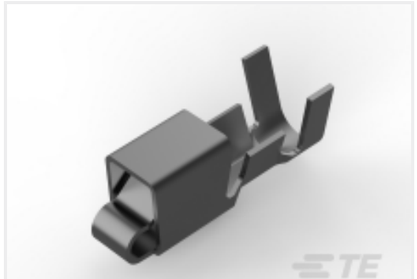
TE Part # 3-1123722-4
3.96 EP PLUG HSG 4P(BLUE)

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

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

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

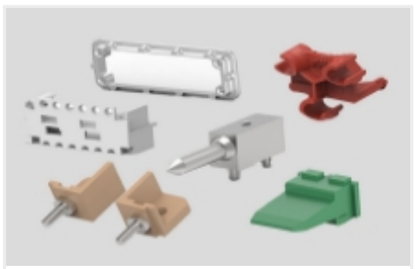
TE Part # 6-1123722-4
3.96 EP PLUG HSG 4P(GREEN)



TE Part # 1123721-1
EP CONN. REC CONTACT

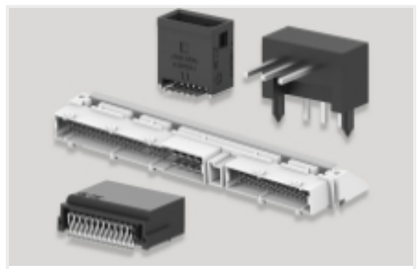
Also in the Series | Economy Power

Connector Contacts(15)



Connector Hardware(2)

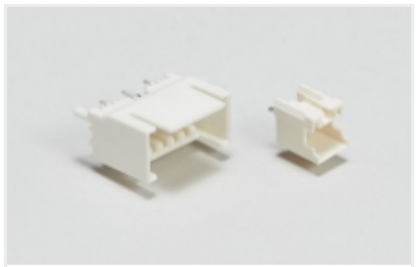
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(483)

Power Contacts(9)

Rectangular Power Connectors(581)



Wire-to-Board Headers & Receptacles (483)

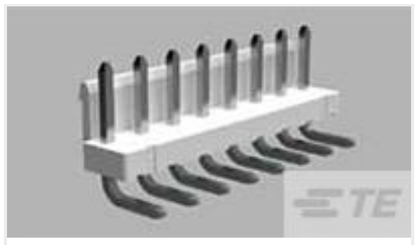
Customers Also Bought

TE Part #160101-2

RING TONGUE 20-16 AWG 0.0253 TPBR

TE Part #1-1123724-2

3.96EP HDR ASSY 2(3)P NATURAL

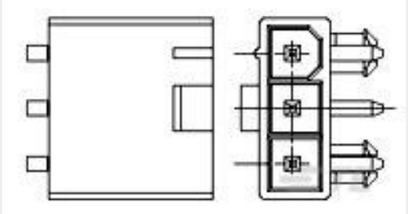


TE Part #1744428-2

3.96 EP HDR ASSY 2P R/A, GW

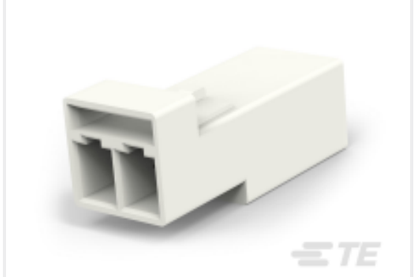
TE Part #1744525-3

EP 03P RA-HDR ASY NO 2 PIN



TE Part #2029151-4

4P R/A HDR VAL-U-LOK V0 W/P



TE Part #2834049-1

REC, 2P LATCHED POKE-IN WTW CONN.NL

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

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