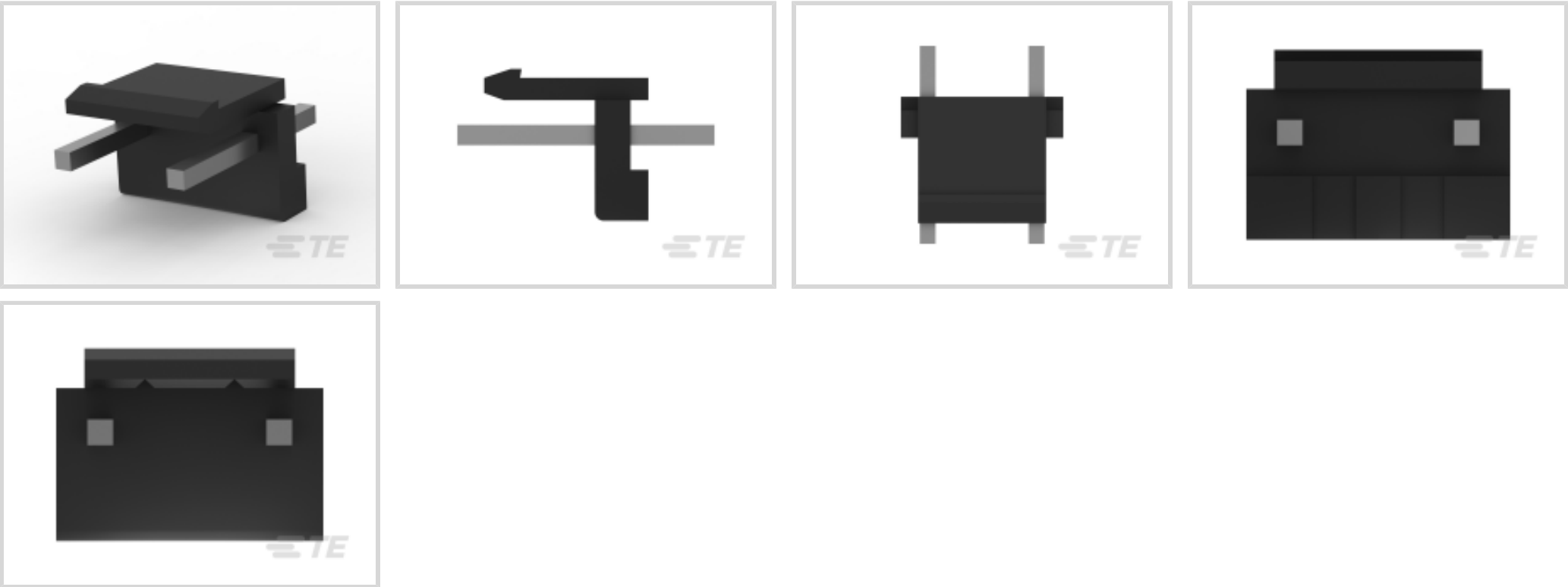




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Connector Width	8.5 mm[.33 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	10.7 mm[.421 in]
	.465 in

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0



Body Features

Connector Profile	Low
Primary Product Color	Black

Mechanical Attachment

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]
PCB Contact Termination Area Plating Material Thickness	1 μm[39.7 μin]
Contact Shape & Form	Square
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
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Housing Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
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

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 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 # 1-1123722-3 3.96 EP PLUG HSG 3P(NATURAL)	TE Part # 6-1123722-2 3.96 EP PLUG HSG 2P(GREEN)	TE Part # 1744416-3 3 POS EP II HSG, GLOW WIRE	TE Part # 5-1123722-2 3.96 EP PLUG HSG 2P(BLACK)
TE Part # 2-1123722-2 3.96 EP PLUG HSG 2P(YELLOW)	TE Part # 1123721-1 EP CONN. REC CONTACT	TE Part # 3-1123722-2 3.96 EP PLUG HSG 2P(BLUE)	TE Part # 1744493-3 03P EP-II HOUSING, ORANGE
TE Part # 1-1123724-7 3.96 EP HDR ASSY 8P(NO 3#PIN, NATURAL)	TE Part # 1123721-2 ECONOMY POWER CONN REC CONT	TE Part # 1-1123722-2 3.96 EP PLUG HSG 2P(NATURAL)	TE Part # 4-1123722-2 3.96 EP PLUG HSG 2P(RED)

Also in the Series | Economy Power



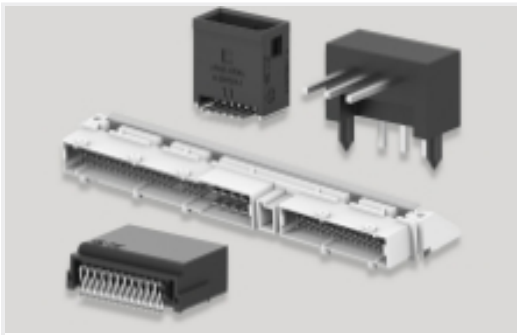
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



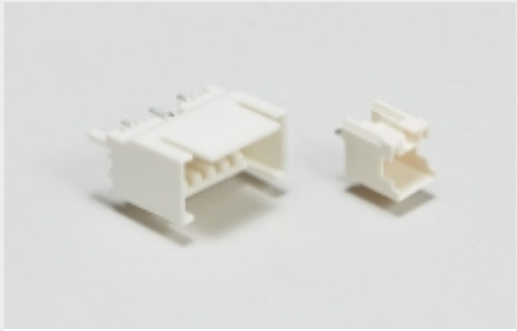
PCB Headers & Receptacles(402)



Power Contacts(9)



Rectangular Power Connectors(57)

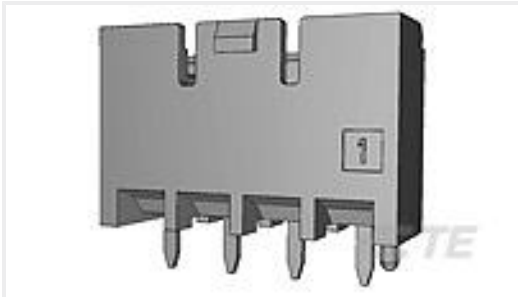


Wire-to-Board Headers & Receptacles (402)

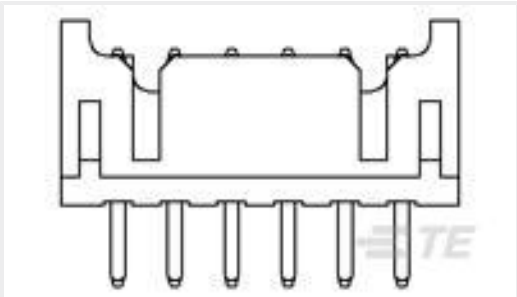
Customers Also Bought



TE Part #1461492-2
OJT-SS-105LM,000



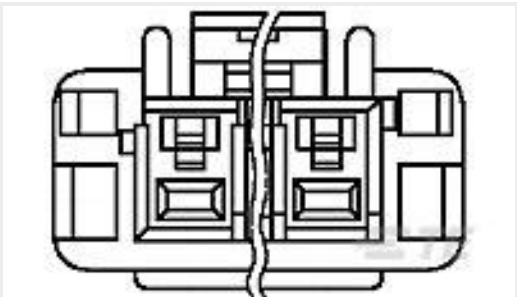
TE Part #3-1376383-4
5MM POWER KEY 3P HDR ASSY YELL



TE Part #2-1470109-2
2.0mm Pitch Header, Dip 22p



TE Part #1746977-1
GRACE INERTIA CONNECTOR 6.2 MM PITCH 2P C



TE Part #2-1376393-3
5MM POWER KEY 6P PLUG HSG BLUE



TE Part #CAT-H857-H34220
AMP HPI 2.0 mm Headers



TE Part #1747996-4
GHC EYELET 12.4 2POS HEADER ASSY YELLOW



TE Part #1871859-2
GIC 2.5 REC CONT TIN PLATE TYPE (MTYPE)



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

Documents



Product Drawings

3.96EP HDR ASSY 2(3)P BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1123724-2_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1123724-2_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1123724-2_AD.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

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

VDE Certificate

English