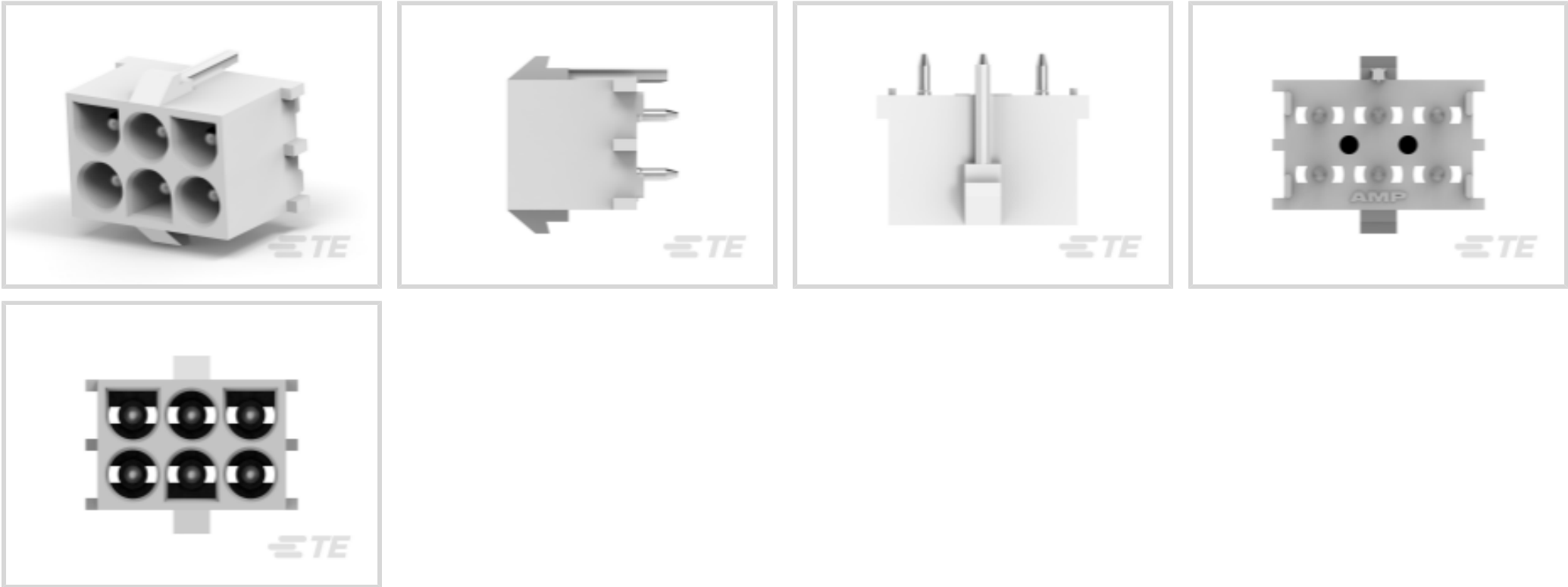




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Number of Rows: **2**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Power Positions	6
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	2

Body Features

Primary Product Color	White
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	2 mm[.078 in]
Contact Underplating Material Thickness	1.016 – 2.032 µm[40 – 80 µin]
Contact Size	2mm
Contact Mating Area Plating Material Thickness	5.08 – 10.16 µm[200 – 400 µin]
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	5.08 µm[200 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Pin
Contact Current Rating (Max)	35 A

Termination Features

Termination Post & Tail Length	3.68 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Standard Polarized Tail
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Connector Width	13.97 mm[.55 in]



PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	14.73 mm[.58 in]
Connector Length	20.32 mm[.8 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	25
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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 770020-1
06P UMNLI IN-LNE PLUG HSG KIT

Customers Also Bought

TE Part #1-1393194-0
T77S1D10-24

TE Part #5650187-1
CONN SEC II 17 POS 100 C/L R/A

TE Part #104313-1
010 LOPRO HDR SP 30DP LATCH

TE Part #1-206763-3
METRIMATE PIN HEADER ASSY,24P

TE Part #61951-1
187 FASTON TAB TPBR

TE Part #1-640453-2
12P MTA100 HDR ASSY SQ R/A

TE Part #5499913-5
A/L UNIV HDR 24P RA SHT LAT

TE Part #640583-1
06P UMNLI HDR ASSY R/A 94VO

TE Part #1217167-1
250 FASTON,PCB TAB,TCBR

TE Part #4-1393117-5
KUP-11D15-24=KU



Documents

Product Drawings

PIN ASSY..070

English

CAD Files

Customer View Model

ENG_CVM_194002-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_194002-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_194002-1_H.3d_stp.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English