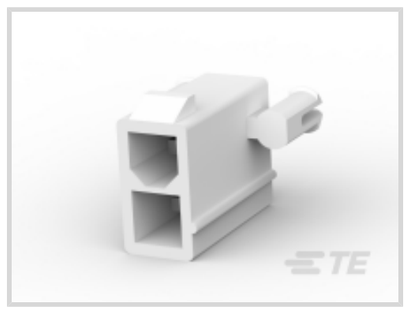
3-1586040-2 ✔ ACTIVE

TE Internal #: 3-1586040-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Power, Natural

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: **2**

Centerline (Pitch): **4.2 mm [.165 in]**

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

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	3.048 µm[120 µin]
Contact Layout	Matrix
Contact Base Material	Brass Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Tab
Contact Current Rating (Max)	9 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking Tab
PCB Mount Retention Type	Boardlock
Mating Alignment Type	Keyed
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	9.75 mm[.384 in]

PCB Thickness (Recommended)	1.78 mm[.07 in]
Connector Height	12.8 mm[.504 in]
Connector Length	5.4 mm[.213 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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	690
Packaging Method	Tray

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	有害物质含量符合标准要求 No Restricted Substance(s) 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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

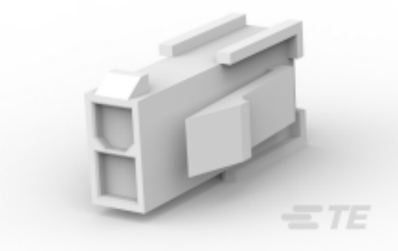
Product Compliance Disclaimer

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

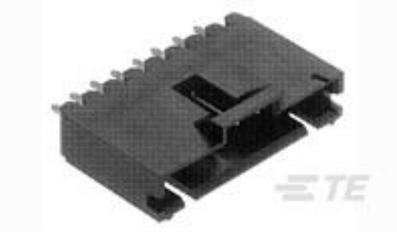


TE Part # 1969612-2
2P FH PLUG VAL-U-LOK V0



TE Part # 1969613-2
2P PM PLUG VAL-U-LOK V0

Customers Also Bought



TE Part #5-103735-7
08 MTE HDR SRST LATCH .100CL



TE Part #5-104363-3
04 MTE HDR SRST LATCH .100CL



TE Part #4-641208-0
10P MTA156 HDR ASSY FL ST LF



TE Part #1367073-2
20 POS SMT CONN, SFP, 30AU



TE Part #1-1393117-9
KUP-11A15-120=KU



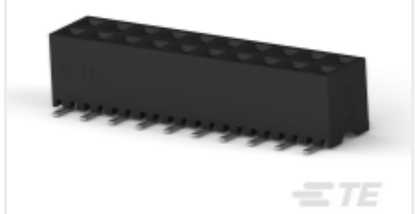
TE Part #1658998-1
Mini DIN, 8 pos, R/A, Shield



TE Part #6-1734774-9
PCI EXP 3.1L 64 POS BLK 30u"



TE Part #9-1734774-3
PCI EXP 2.3L 64 POS BLK 30u"



TE Part #3-2307819-0
30P,2MM,BB,REC,DRVT,SMD,AU.76, TR,W/CP

TE Part #2829936-1
Cable Assembly, Ribbon, 50 Position, 1.5

Documents

Product Drawings

2P VAL-U-LOK VRT HDR W/P V0 gold

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1586040-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1586040-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1586040-2_B.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English