1-1586044-0 ✔ ACTIVE

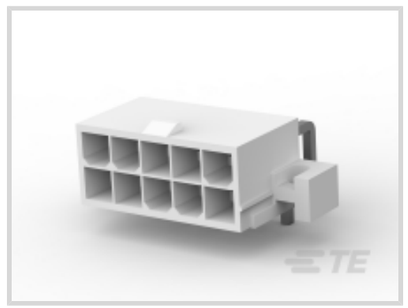
VAL-U-LOK

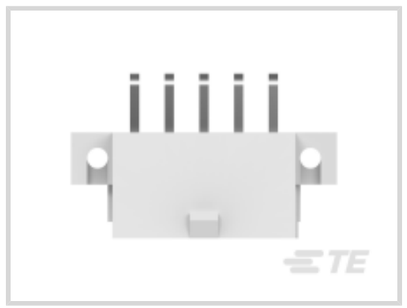
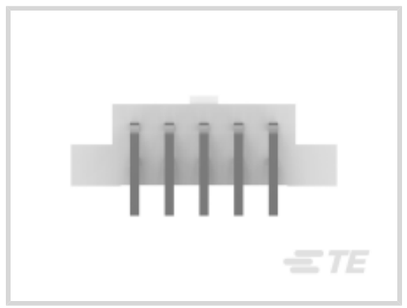
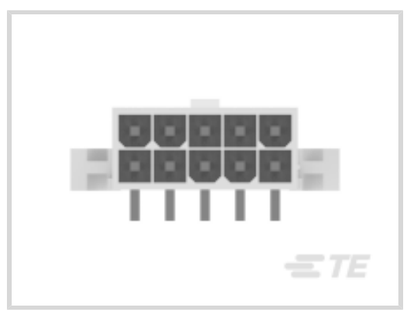
TE Internal #: 1-1586044-0

PCB Mount Header, Right Angle, Wire-to-Board, 10 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Loaded Positions	10
Number of Power Positions	10
PCB Mount Orientation	Right Angle
Number of Positions	10

Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.381 µm[15 µin]
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
PCB Contact Termination Area Plating Material Thickness	2.03 µm[80 µin]
Contact Layout	Matrix
Contact Base Material	Brass Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

Termination Post & Tail Length	3.6 mm[.141 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	12.8 mm[.5 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.8 mm[.386 in]
Connector Length	22.2 mm[.874 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	UL, CSA
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	120
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1586019-0
10P RCPT VAL-U-LOK V0



TE Part # 1-1969612-0
10P FH PLUG VAL-U-LOK V0

Customers Also Bought



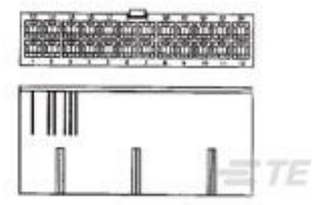
TE Part #2110819-1
QSFP+ Enh EVERCLEAR PT Conn



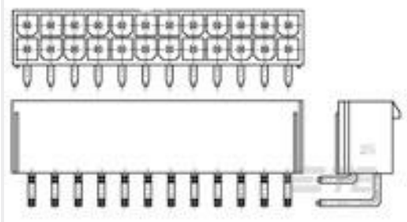
TE Part #1-6450162-2
MBXL R/A RCPT 4P+12S



TE Part #5555140-4
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD



TE Part #1-1586000-0
10P FH PLUG VAL-U-LOK V2



TE Part #1-1586041-0
10P VAL-U-LOK R/A HDR V2



TE Part #2291672-1
SFP+ 1X1 CAGE ASSEMBLY, LIGHT PIPE



TE Part #2299940-1
ZQSFP+ STACKED REC ASSEMBLY 2X1,4LP HS



TE Part #5-2170705-8
CAGE ASSY, QSFP28 1X1, SPRING, HS, C LP

TE Part #2324193-8
CAGE ASSY, QSFP-DD 1X1, CUST HS

Documents

Product Drawings

10P VAL-U-LOK R/A HDR SCRMT V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586044-0_A_c-1-1586044-0-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586044-0_A_c-1-1586044-0-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586044-0_A_c-1-1586044-0-a.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English