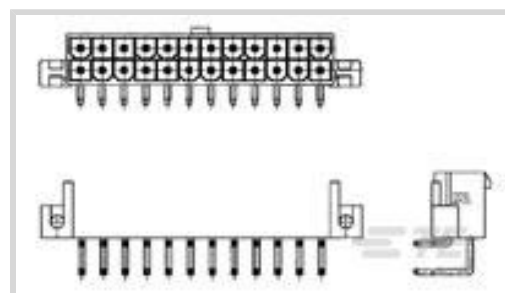




VAL-U-LOK

TE Internal #: 2-1586044-4

PCB Mount Header, Right Angle, Wire-to-Board, 24 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	24
----------------------------	----

Number of Power Positions	24
---------------------------	----

PCB Mount Orientation	Right Angle
-----------------------	-------------

Number of Positions	24
---------------------	----

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	51.6 mm[2.031 in]
------------------	-------------------

Usage Conditions

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

Operation/Application

Shielded	No
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	60
Packaging Method	Tray

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

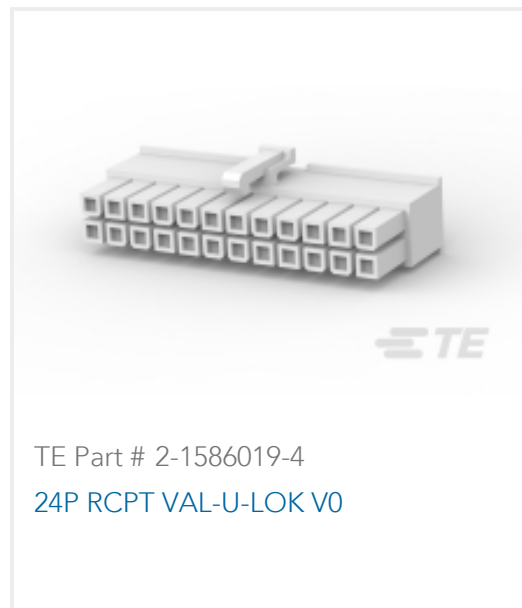
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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



Customers Also Bought



Documents

Product Drawings

[24P VAL-U-LOK R/A HDR SCRMT V0](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1586044-4_A_c-2-1586044-4-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586044-4_A_c-2-1586044-4-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586044-4_A_c-2-1586044-4-a.3d_stp.zip](#)

English



Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English