



VAL-U-LOK

TE Internal #: 2-1969612-4

Housing, Plug, Crimp, Wire-to-Wire, UL 94V-0, 24 Position, 4.2 mm [.165 in] Centerline, 2 Row, 600 VAC, Rectangular Wire & Cable Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	24
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Type	Pin
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Nylon 6/6
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	23.8 mm[.937 in]
Connector Height	11.6 mm[.457 in]
Connector Length	51.6 mm[2.031 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	208567
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	400
Packaging Method	Bag

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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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: JAN 2025 (247) 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	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 # 2-1586040-4
24P VAL-U-LOK VRT HDR W/P V0

TE Part # 2-1586038-4
24P VRT HDR VAL-U-LOK V0

TE Part # 2-1586044-4
24P VAL-U-LOK R/A HDR SCRMT V0

TE Part # 2-1969614-4
24P RCPT VAL-U-LOK V0

TE Part # 2-1586042-4
24P VAL-U-LOK R/A HDR V0

TE Part # 2-1586019-4
24P RCPT VAL-U-LOK V0

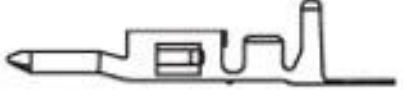
TE Part # 2-1586587-4
24P VAL-U-LOK BMI VRT HDR V0

Customers Also Bought





TE Part #1-480424-0
04P CMNL PLUG HSG F/H NATL



TE Part #2238016-1
VAL-U-LOK PIN BR SN 18-22AWG



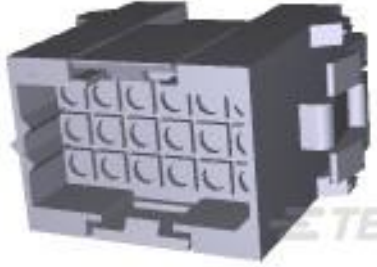
TE Part #172333-1
MINI UNIVERSAL M-N-L HOUSING



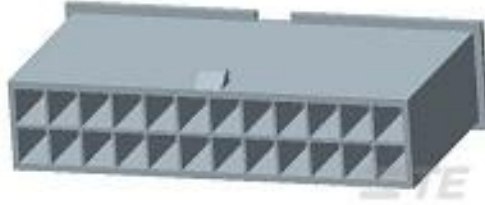
TE Part #164164-1
PIN ASS



TE Part #1-480426-0
04P CMNL CAP HSG F/H NATL



TE Part #207443-1
HSG RECEPT,18 POSN,SM METRIC



TE Part #2-1969598-4
24P FH PLUG VAL-U-LOK V2



TE Part #350418-1
.093 COMM P&S PIN 18-24 PTPBR



TE Part #1803095-3
FLOATING SHEAR, FRONT



TE Part #205203-3
CRIMP SNAP RCPT ASSY,SIZE 1

Documents

Product Drawings
24P FH PLUG VAL-U-LOK V0

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_2-1969612-4_A_c-2-1969612-4-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2-1969612-4_A_c-2-1969612-4-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2-1969612-4_A_c-2-1969612-4-a.3d_stp.zip

English

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

Datasheets & Catalog Pages



1-1773730-3 VAL-U-LOK Connectors with TPA Flyer

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English