1-1586861-8 ✔ ACTIVE

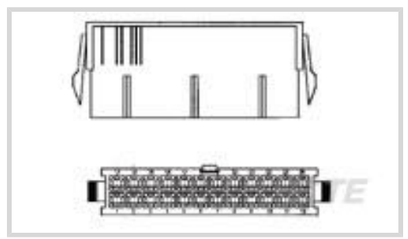
VAL-U-LOK

TE Internal #: 1-1586861-8

Rectangular Connector Housings, Wire-to-Panel / Wire-to-Wire, 15Newton Insertion Force, 18 Position, 4.2mm [.165in] Centerline

View on TE.com >

Connectors > Rectangular Connectors > Rectangular Connector Housings



Connector System: **Wire-to-Panel, Wire-to-Wire**

Insertion Force: **15 Newton**

Number of Positions: **18**

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

Row-to-Row Spacing: **4.2 mm [.165 in]**

Features

Product Type Features

Connector System	Wire-to-Panel, Wire-to-Wire
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector Type	Housing
Product Type	Connector
Wire/Cable Type	Discrete Wire
Glow Wire Rating	Glow Wire

Configuration Features

Number of Signal Positions	18
Insertion Force	15 Newton
Number of Positions	18
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix
Contact Type	Pin
Contact Transmits (Typical)	Signal (Data)

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Material	Polyamide
Housing Color	White

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Height	9.6 mm[.378 in]
Length	39 mm[1.535 in]
Width	23.9 mm[.94 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Identification Marking

Circuit Identification Feature	With

Industry Standards

Agency/Standard	CSA, UL
CSA File Number	208567
UL File Number	E28476
UL Flammability Rating	UL 94V-2
UL Rating	Recognized

Packaging Features

Packaging Quantity	500
Packaging Method	Box

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 applicable for solder process capability

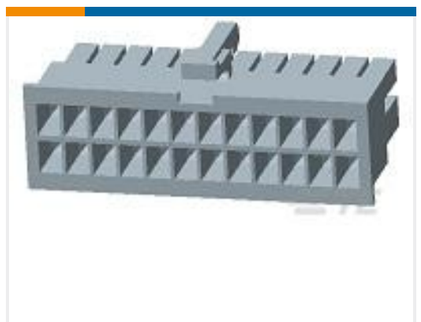
Product Compliance Disclaimer

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

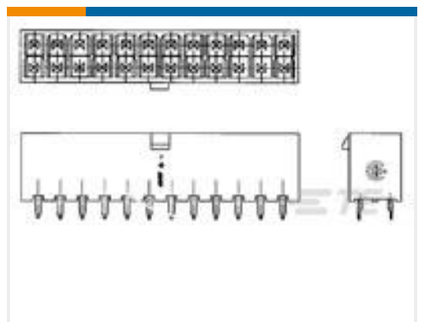
Compatible Parts



TE Part # 1-1586765-8
18P RCPT VAL-U-LOK GW



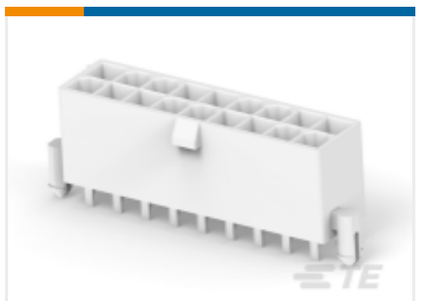
TE Part # 1-2296205-8
18P RCPT VAL-U-LOK GWT/V0



TE Part # 1-1586768-8
18P VERT HDR VAL-U-LOK GW



TE Part # 1-1586863-8
18P VAL-U-LOK R/A HDR GW



TE Part # 1-2029059-8
18P VAL-U-LOK VRTHDR W/PGS GW



TE Part # 1-2029265-8
18P VAL-U-LOK VRTHDR W/PGS GW

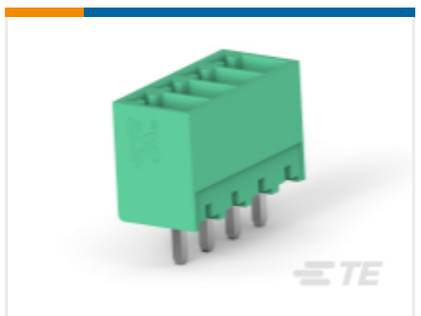
Customers Also Bought



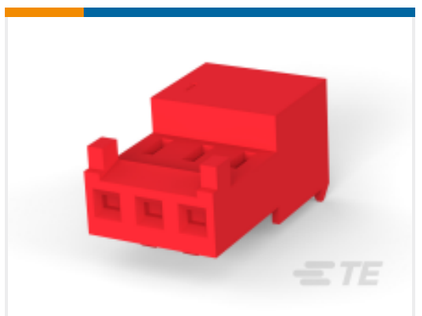
TE Part #3-2834074-3
SLIMSEAL MINIATURE PLUGS



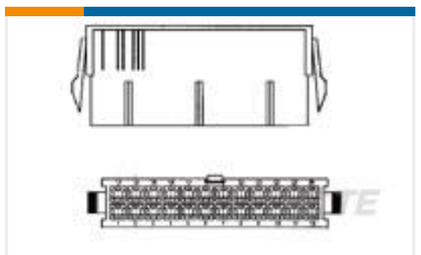
TE Part #2301994-4
RJ45 JACK INT.MAG. 10/100 1X1



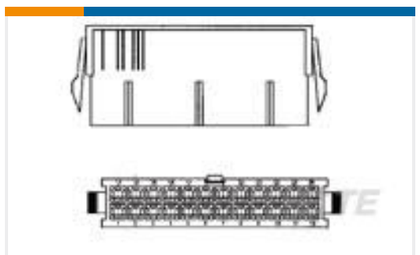
TE Part #2351886-2
2POS TB HDR 180 DEG, PITCH 3.5, TL 3.4mm



TE Part #4-643814-1
Nylon Tin Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100



TE Part #1586861-8
8P PM PLUG VAL-U-LOK PM GW



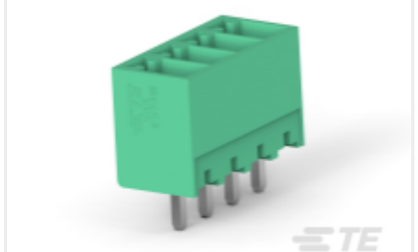
TE Part #1586861-4
4P PM PLUG VAL-U-LOK PM GW



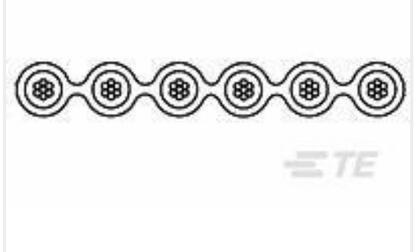
TE Part #2-1586017-2
22P FH PLUG VAL-U-LOK V0



TE Part #929987-1
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



TE Part #1-2351886-0
10POS TB HDR 180 DEG, PITCH 3.5, TL3.4mm



TE Part #1-971111-2
9W FRC MADISON SPEC 100-4703 REV. 7

Documents

Product Drawings

18P PM PLUG VAL-U-LOK PM GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586861-8_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586861-8_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586861-8_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

VAL-U-LOK_GLOW_WIRE_CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English