1586861-8 ✔ ACTIVE

VAL-U-LOK

TE Internal #: 1586861-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

View on TE.com >

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

1586861-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Connector Height	11.6 mm[.45 in]
Product Width	23.9 mm[.94 in]
Product Length	18 mm[.709 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	With

Industry Standards

CSA Rating	208567
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

1586861-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

Packaging Quantity	500
Packaging Method	Package

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 2023 (235) 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 # 1586765-8

8P RCPT VAL-U-LOK GW
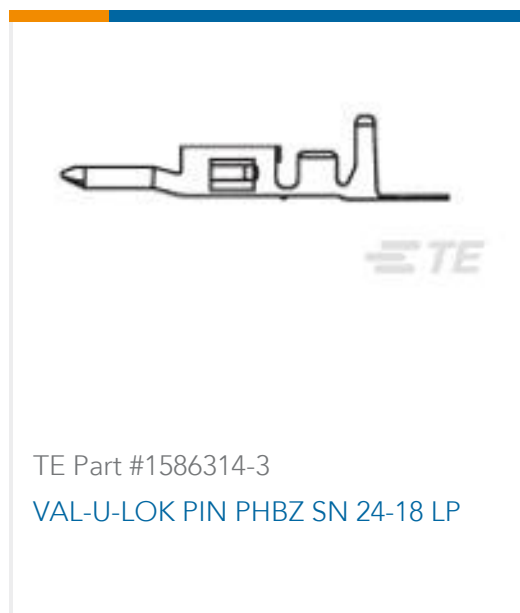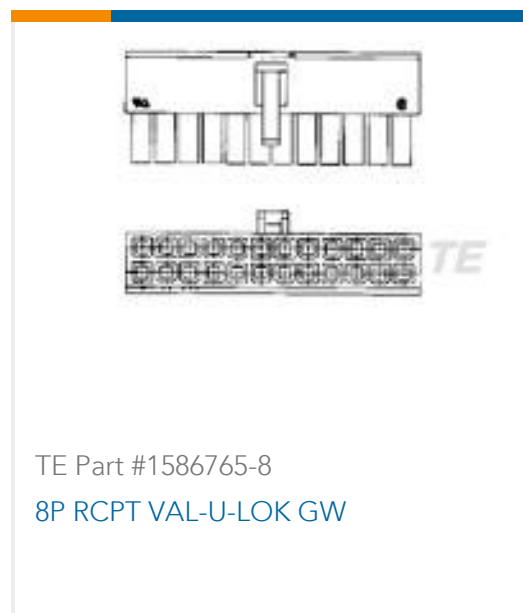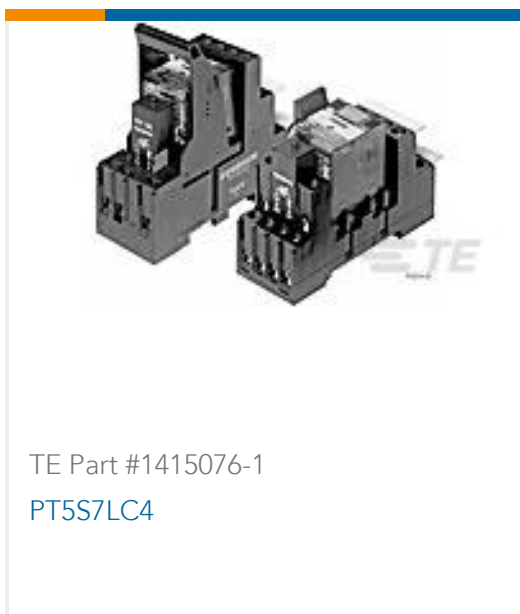

TE Part # 1586768-8

8P VERT HDR VAL-U-LOK GW

TE Part # 2296205-8

8P RCPT VAL-U-LOK GWT/V0

TE Part # 2029265-8

8P VAL-U-LOK VRTHDR W/PGS GW

1586861-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

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

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

Customers Also Bought

TE Part #1415076-1
PT5S7LC4

TE Part #5103308-2
A/L LOW PRO HDR 14P VERT BLACK

TE Part #5103308-6
A/L LOW PRO HDR 26P VERT BLACK

TE Part #1-925017-0
250 FASTON HSG.,REC.,1 POS, NATRUAL

TE Part #1217133-1
187 FASTON,PCB TAB,TNBR

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

TE Part #1586314-3
VAL-U-LOK PIN PHBZ SN 24-18 LP

TE Part #HDP24-24-23PE-L017
REC, 23P, BLK, E, RNG, 16, P

TE Part #1586862-8
8P FH PLUG VAL-U-LOK FH GW

TE Part #5-104068-2
10 SYSTEM 50 HDR DRST SHRD

Documents

Product Drawings
8P PM PLUG VAL-U-LOK PM GW

English

CAD Files
Customer View Model
ENG_CVM_CVM_1586861-8_B.2d_dxf.zip

English

3D PDF

1586861-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

3D

Customer View Model

ENG_CVM_CVM_1586861-8_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_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