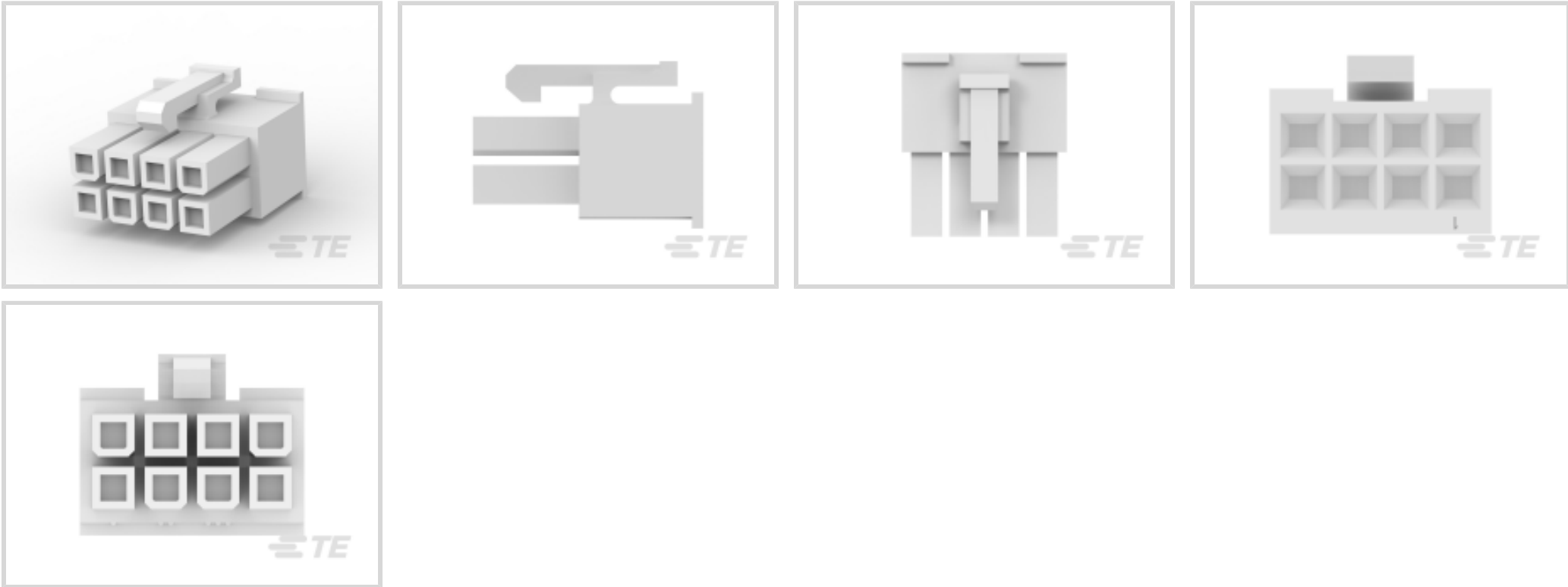# 1586765-8 ✔ ACTIVE

VAL-U-LOK

TE Internal #: 1586765-8

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

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, 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	Receptacle
Connector System	Wire-to-Board, 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 Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without

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

Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	11.8 mm[.464 in]
Product Width	20 mm[.787 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

Packaging Quantity	500
Packaging Method	Bag

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

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: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1586861-8
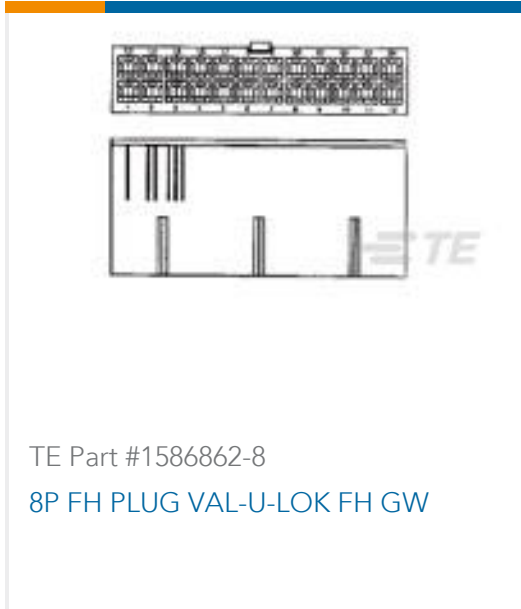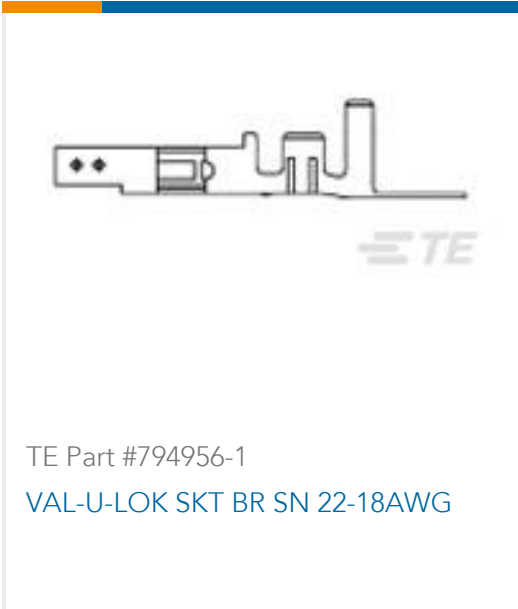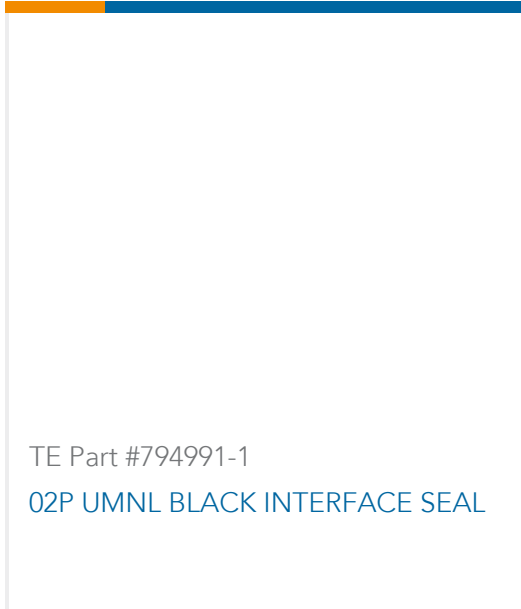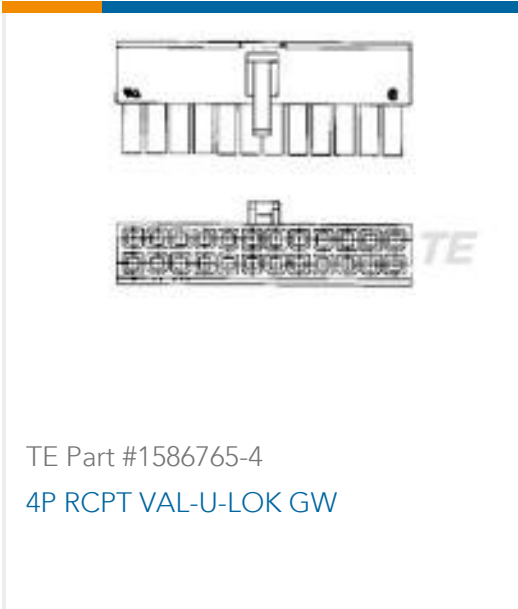8P PM PLUG VAL-U-LOK PM GW

TE Part # 2296206-8
8P FH PLUG VAL-U-LOK FH GWT/V0

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

TE Part # 2296207-8
8P PM PLUG VAL-U-LOK PM GWT/V0

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

TE Part # 2825272-8
8P VERT HDR VAL-U-LOK HCS GW

Customers Also Bought

TE Part #521597-2
ULTRA-POD 187 ASY REC 18-14 TPBR

TE Part #1586765-4
4P RCPT VAL-U-LOK GW

TE Part #1586849-1
03P UMNL CAP HSG NATL, GW

TE Part #794991-1
02P UMNL BLACK INTERFACE SEAL

TE Part #154718-1
250 PL MKI REC. 18-14AWG BR

TE Part #794956-1
VAL-U-LOK SKT BR SN 22-18AWG

TE Part #1586856-1
02P UMNL CAP HSG, GW

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

TE Part #687394-8
HB 9EAPR140T140O G

TE Part #687871-1
HDM STEAPR120F K

Documents

Product Drawings
8P RCPT VAL-U-LOK GW

English

CAD Files
3D PDF

3D
Customer View Model
ENG_CVM_CVM_1586765-8_D.2d_dxf.zip

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

English

Customer View Model

ENG_CVM_CVM_1586765-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586765-8_D.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