

1-1586000-8 ✓ ACTIVE



VAL-U-LOK

TE Internal #: 1-1586000-8

Housing, Plug, Wire-to-Wire, 18 Position, 4.2 mm [.165 in]

Centerline, Wire & Cable, UL 94V-2, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Features

Other

EU RoHS Compliance **Compliant**

EU ELV Compliance **Compliant**

Product Type Features

Rectangular Power Connector Type **Housing**

Connector & Housing Type **Plug**

Connector System **Wire-to-Wire**

Sealable **No**

Connector & Contact Terminates To **Wire & Cable**

Configuration Features

Insertion Force **15 Newton**

Compatible With Wire & Cable Type **Discrete Wire**

Number of Positions **18**

Number of Rows **2**

Electrical Characteristics



Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	With
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Contact Layout	Matrix
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Contact Retention Within Housing	Without
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Contact Type	Pin
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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

Centerline (Pitch)	4.2 mm [.165 in]
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Housing Color	Natural
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Housing Material	Nylon
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Dimensions

Compatible Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 in]
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Product Width	23.8 mm [.937 in]
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Product Length	39 mm [1.535 in]
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Connector Height	9.6 mm [.378 in]
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Row-to-Row Spacing	4.2 mm [.165 in]
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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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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Compatible With Agency/Standards Products	UL, CSA
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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CSA Rating	208567
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UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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	Not applicable for solder process capability

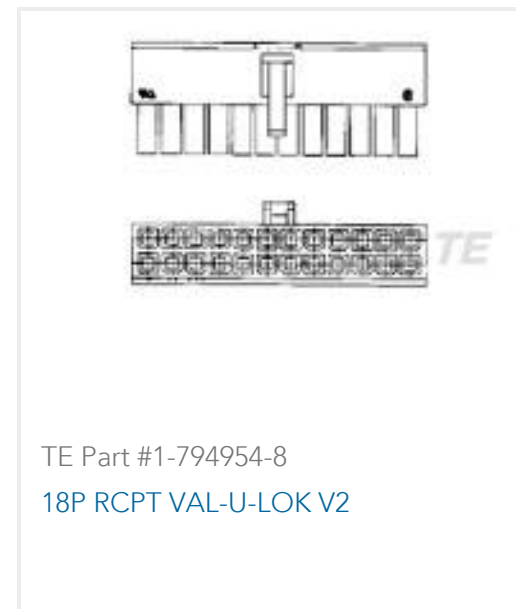
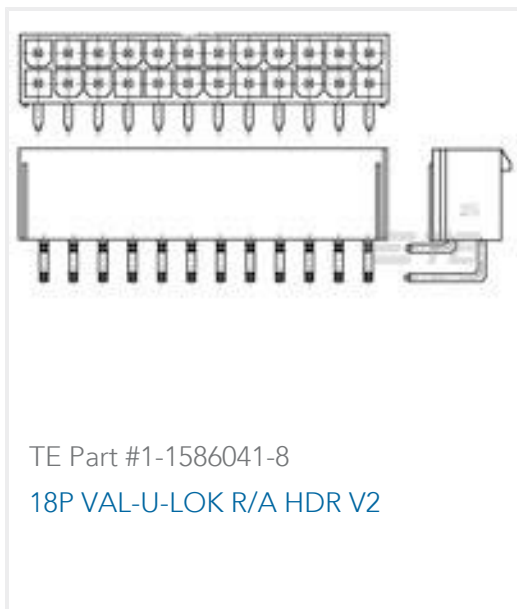
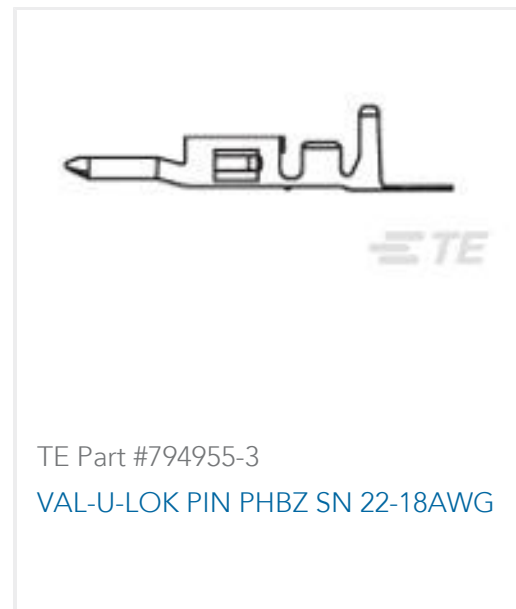
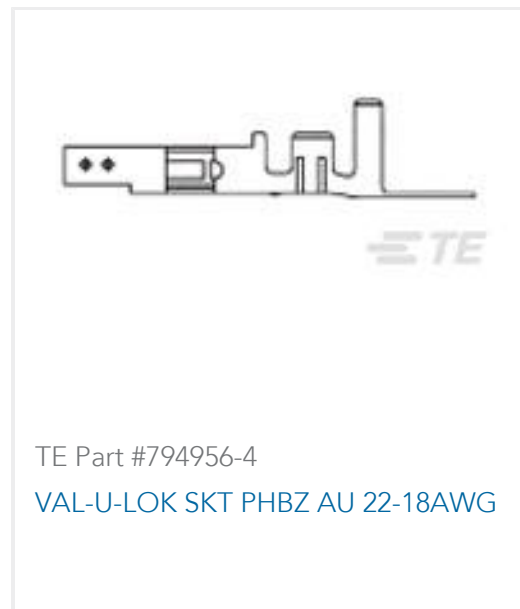
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

[18P FH PLUG VAL-U-LOK V2](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1-1586000-8_D.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-1586000-8_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1586000-8_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-1586000-8_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-1586000-8_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-1586000-8_C.2d_dxf.zip](#)

English

3D PDF

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English