



VAL-U-LOK

TE Internal #: 1-1586862-6

Wire-to-Wire, 16 Position, 4.2 mm [.165 in] Centerline, 2 Row,
Polyamide, Plug, Pin, Wire & Cable, Power, Rectangular Connector
Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings



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

Number of Positions: **16**

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

Number of Rows: **2**

Housing Material: **Polyamide**

Features

Product Type Features

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

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Signal Positions	16
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
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Contact Type	Pin
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Mechanical Attachment

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

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

Connector Height	11.6 mm [.45 in]
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Product Width	23.9 mm [.94 in]
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Product Length	34.8 mm [1.37 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
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

CSA Rating	208567
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Glow Wire Rating	Glow Wire
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Compatible With Agency/Standards Products	CSA, UL
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	500
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Packaging Method	Box
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

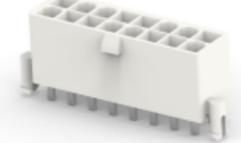
Product Compliance Disclaimer

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>

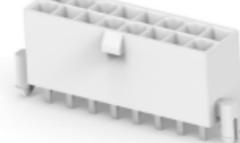
Compatible Parts



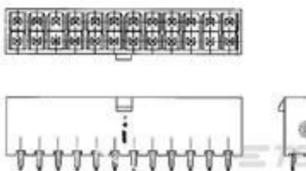
TE Part # 1-1586765-6
16P RCPT VAL-U-LOK GW



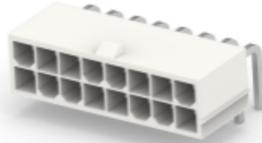
TE Part # 1-2029265-6
16P VAL-U-LOK VRTHDR W/PGS GW



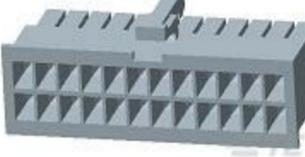
TE Part # 1-2029059-6
16P VAL-U-LOK VRTHDR W/PGS GW



TE Part # 1-1586768-6
16P VERT HDR VAL-U-LOK GW

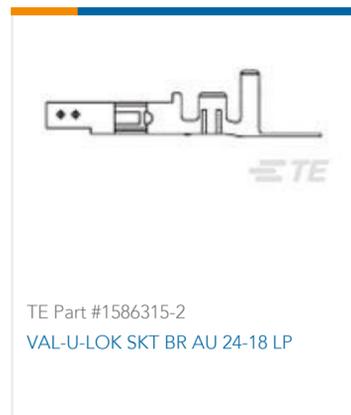


TE Part # 1-1586863-6
16P VAL-U-LOK R/A HDR GW



TE Part # 1-2296205-6
16P RCPT VAL-U-LOK GWT/V0

Customers Also Bought



Documents

Product Drawings

[16P FH PLUG VAL-U-LOK FH GW](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-b.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[VAL-U-LOK_GLOW_WIRE_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English