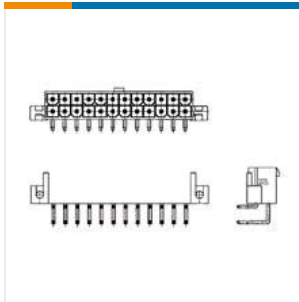




# RECTANGULAR POWER CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 8P VAL-U-LOK R/A HDR SCR MT V0

VAL-U-LOK | VAL-U-LOK

1586044-8

TE Internal Number: 1586044-8

Not reviewed for RoHS Compliance

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **9**

### Product Drawings

[RIGHT ANGLE HEADER, SCREW MOUNT VAL-U-LOK\(TM\)](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

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English

### Product Specifications

Product Specification

[VAL-U-LOK Connectors](#)

PDF  
English

Application Specification

[VAL-U-LOK Series Headers, Connectors And TPA Accessories](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

	Housing Type	<b>Plug</b>
	Contact Type	<b>Pin</b>
	Header Type	<b>Shrouded</b>
Configuration Features	Number of Positions	<b>8</b>
	Centerline	<b>4.2 mm [ .165 in ]</b>
	PCB Mounting Orientation	<b>Right Angle</b>
	Number of Signal Positions	<b>8</b>
	Number of Rows	<b>2</b>
	Row-to-Row Spacing	<b>4.2 mm [ .165 in ]</b>
	Contact Layout	<b>Inline, Matrix</b>
Electrical Characteristics	Contact Current Rating (A)	<b>9</b>
	Operating Voltage (VAC)	<b>600</b>
Contact Features	Contact Retention	<b>With</b>
	Contact Termination Area Plating Material	<b>Brass Alloy, Tin</b>
Termination Features	Wire/Cable Size (AWG)	<b>26 – 18</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.12 – 1.4</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>3.6 mm [ .141 in ]</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Holes</b>
	Mating Alignment Type	<b>Keyed</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention Type	<b>Latch</b>
Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon</b>
Dimensions	Accepts Wire Insulation Diameter Range	<b>1.2 – 3.1 mm [ .047 – .122 in ]</b>
	Width	<b>12.8 mm [ .503 in ]</b>

Height	<b>9.8 mm [ .386 in ]</b>
PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
Length	<b>18 mm [ .7087 in ]</b>
Insulation Diameter (Max) (mm)	<b>2.39</b>

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Usage Conditions	Sealed Condition	<b>Not Sealed</b>
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Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Printed Circuit Board</b>
	Operating Temperature	<b>-40 – 105 °C [ -40 – 221 °F ]</b>
	Circuit Application	<b>Signal</b>

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Identification Marking	Circuit Identification Feature	<b>With</b>
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Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	VDE Tested	<b>No</b>
	Agency/Standard Number	<b>E28476</b>
	UL Rating	<b>Recognized</b>
	CSA File Number	<b>208567</b>
	Agency/Standard	<b>CSA, UL</b>

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Packaging Features	Packaging Method	<b>Tray, Tray/Box</b>
	Packaging Quantity	<b>140</b>

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Other	Selectively Loaded	<b>No</b>
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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

