



CONNECTORS

RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

8P VAL-U-LOK VRT HDR W/P V0

[VAL-U-LOK](#) | [VAL-U-LOK](#)

1586040-8

TE Internal Number: 1586040-8

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **9**

✓ Active

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)



Product Drawings

[VERTICAL HEADER WITH PEGS, WITH DRAIN HOLES 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](#)

PDF
English

Product Specifications

Product Specification
Application Specification

VAL-U-LOK Connectors
PDF
English
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.

Product Type Features	Product Type	Header
	Housing Type	Plug
	Contact Type	Pin
	Header Type	Shrouded

Configuration Features	Number of Positions	8
	Centerline	4.2 mm [.165 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	2
	Row-to-Row Spacing	4.2 mm [.165 in]
	Contact Layout	Inline

Electrical Characteristics	Contact Current Rating (A)	9
	Operating Voltage (VAC)	600

Termination Features	Wire/Cable Size (AWG)	16 – 26
	Wire/Cable Size (mm ²)	.12 – 1.4
	Termination Method to PC Board	Through Hole - Solder
	Termination Post/Tail Length	3.5 mm [.138 in]

Mechanical Attachment	Mating Alignment	With
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Mating Alignment Type	Keyed
	PCB Mount Alignment	With
	Mating Retention Type	Latch

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	White

Housing Material **Nylon GF**

Dimensions	Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 in]
	Width	9.8 mm [.386 in]
	Height	12.8 mm [.504 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	18 mm [.7087 in]

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

Identification Marking	Circuit Identification Feature	With
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Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	208567
	Agency/Standard	CSA, UL

Packaging Features	Packaging Method	Tray, Tray/Box
	Packaging Quantity	255

Other	Selectively Loaded	No
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Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)



