



## RECTANGULAR POWER CONNECTORS



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English

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TE CONNECTIVITY (TE)

### 10P VRT HDR VAL-U-LOK V0

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

1-1586038-0

TE Internal Number: 1-1586038-0

[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**

#### Product Drawings

##### [WITH DRAIN HOLES VAL-U-LOK\(TM\)](#)

PDF  
English

#### CAD Files

##### [Customer View Model](#)

2D\_DXF.ZIP  
English

##### [3D PDF](#)

PDF  
3D

##### [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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#### 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	Plug
	Contact Type	Pin
	Header Type	Shrouded
Configuration Features	Number of Positions	10
	Centerline	4.2 mm [ .165 in ]
	PCB Mounting Orientation	Vertical
	Number of Signal Positions	10
	Number of Rows	2
	Row-to-Row Spacing	4.2 mm [ .165 in ]
	Contact Layout	Inline, Matrix
Electrical Characteristics	Contact Current Rating (A)	9
	Operating Voltage (VAC)	600
Contact Features	Contact Retention	With
	Contact Termination Area Plating Material	Brass Alloy, Tin
Termination Features	Wire/Cable Size (AWG)	26 – 18
	Wire/Cable Size (mm²)	.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	Without
	Mating Alignment Type	Keyed
	PCB Mount Alignment	Without
	Mating Retention Type	Latch
Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Natural
	Housing Material	Nylon
Dimensions	Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm [ .047 – .122 in ]
	Width	9.75 mm [ .384 in ]
	Height	12.8 mm [ .504 in ]

	PCB Thickness (Recommended)	1.6 mm [ .063 in ]
	Length	22.2 mm [ .874 in ]
	Insulation Diameter (Max) (mm)	2.39
Usage Conditions	Sealed Condition	Not Sealed
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
Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	VDE Tested	No
	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
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 2 Results

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Compare 0/10



Relation Type



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
VAL-U-LOK | VAL-U-LOK

10P RCPT HSG 94V-0

- 1-794657-0

TE INTERNAL NUMBER: 1-794657-0

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Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Number of Positions **10**

✓

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
VAL-U-LOK | VAL-U-LOK

10P RCPT VAL-U-LOK V0

- 1-1586019-0

TE INTERNAL NUMBER: 1-1586019-0

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Always EU RoHS/ELV Compliant

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