



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

6P VAL-U-LOK VRT HDR W/P V2

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

1586039-6

TE Internal Number: 1586039-6

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**

Active

[PRODUCT DRAWING](#)
English

[3D PDF](#)

Product Drawings

[VERTICAL HEADER WITH PEGS, WITH DRAIN HOLES VAL-U-LOK\(TM\)](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
English

Catalog Pages/Data Sheets

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

PDF
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	Plug
	Contact Type	Pin
	Header Type	Shrouded
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Configuration Features	Number of Positions	6
	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
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Electrical Characteristics	Contact Current Rating (A)	9
	Operating Voltage (VAC)	600
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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]
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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
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Housing Features	UL Flammability Rating	UL 94V-2
	Housing Color	Natural
	Housing Material	Nylon GF
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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	13.8 mm [.543 in]
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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
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	208567
	Agency/Standard	CSA, UL
Packaging Features	Packaging Method	Tray, Tray/Box
	Packaging Quantity	300
Other	Selectively Loaded	No
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

Products - 2 Results

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors
AMP-DUAC I VAL-U-LOK

06P DUAC REC HSG
- 106527-6

TE INTERNAL NUMBER: 106527-6

✓ Active

Always EU RoHS/ELV Compliant



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

6P RCPT VAL-U-LOK V2 - 794954-6

TE INTERNAL NUMBER: 794954-6

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Board, Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **6**

