TE
connectivity

+ CONNECTORS

RECTANGULAR POWER CONNECTORS

TE CONNECTIVITY (TE)

4P VRT HDR VAL-U-LOK V0

VAL-U-LOK | VAL-U-LOK

1586038-4
TE Internal Number: 1586038-4

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	**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	**VAL-U-LOK Connectors** PDF **English**
Application Specification	**VAL-U-LOK Series Headers, Connectors And TPA Accessories** PDF **English**

Product Environmental Compliance

TE Material Declaration	**MD_1586038-4_12302015156_dmtec** 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	4
	Centerline	4.2 mm [.165 in]
	PCB Mounting Orientation	Vertical
	Number of Signal Positions	4
	Number of Rows	2
	Row-to-Row Spacing	4.2 mm [.165 in]
	Contact Layout	Inline, Matrix, Square Grid

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	9.6 mm [.378 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 | 600 |

| Other | Selectively Loaded | No |

| Product Compliance | Statement of Compliance
PDF | |

VIEW ALL PRODUCT COMPLIANCE

CUSTOMERS ALSO BOUGHT

| RECTANGULAR POWER CONNECTORS | RECTANGULAR POWER CONNECTORS | RECTANGULAR POWER CONNECTORS | SIGNAL RELAYS |

8P VRT HDR VAL-U-LOK V0
1586038-8

2P VRT HDR VAL-U-LOK V0
1586038-2

04P MTA156 CONN ASSY 18AWG ORA
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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
VAL-U-LOK | VAL-U-LOK
04P RCPT HSG 94V-0 - 794657-4
TE INTERNAL NUMBER: 794657-4
✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

UL Flammability Rating **UL 94V-0**

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
4P RCPT VAL-U-LOK V0 - 1586019-4
TE INTERNAL NUMBER: 1586019-4
✓ 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 **4**