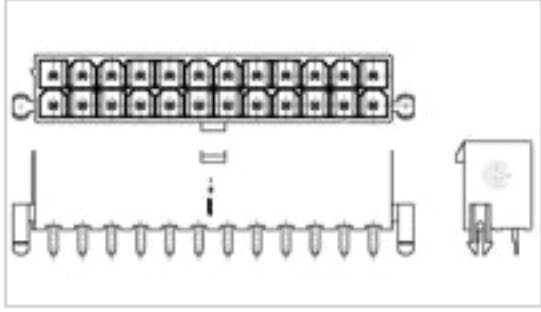


1-2029172-2 Product Details

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Active

VAL-U-LOK Series Connector System

12P VRT HDR VAL-U-LOK V2 W/ODH

1-2029172-2

TE Internal Number: 1-2029172-2

Product Highlights [View All](#)

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Glow Wire Rating = Standard Part - Not Glow Wire
- Header

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Please Note:
Use the Product Drawing for all design activity

Product Type Features	
Product Type	Connector
Connector Type	Header
PCB Mounting Orientation	Vertical
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Peg(s)
CSA File Number	208567

Mechanical Attachment	
Mating Retention Type	Latch(ing)

Electrical Characteristics	
Contact Current Rating, Max. (A)	9
Operating Voltage Reference	AC
Operating Voltage (VAC)	600

Termination Features	
Termination Method to PC Board	Through Hole - Solder

Dimensions	
PCB Thickness, Recommended (mm [in])	1.78 [0.069]
Tail Length (mm [in])	3.5 [0.138]
Length (X-Axis) (mm [in])	26.40 [1.0394]
Width (Z-Axis) (mm [in])	9.75 [0.383]
Profile Height (Y-Axis) (mm [in])	12.80 [0.504]

Body Features	
Header Type	Shrouded
Mating Retention	With

Contact Features	
Contact Type	Pin
Contact Base Material	Brass
Contact Plating, Mating Area, Material	Tin
Contact Plating, Termination Area, Material	Tin

Housing Features	
Connector Style	Plug
Centerline (mm [in])	4.20 [0.165]
Mating Alignment	With
Mating Alignment Type	Polarization

Configuration Features	
Number of Positions	12
Number of Rows	2
Tail Orientation	In-line
Shrouded	Yes

Industry Standards	
RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
RoHS/ELV Compliance History	Always was RoHS compliant
UL Flammability Rating	UL 94V-2
Agency/Standard	UL, CSA
UL Rating	Recognized
UL File Number	E28476

Environmental	
Operating Temperature (°C [°F])	-40 - +105 [-40 - +221]

Conditions for Usage	
Applies To	Printed Circuit Board
Glow Wire Rating	Standard Part - Not Glow Wire

Operation/Application	
Application Use	Wire-to-Board
Pick and Place Cover	Without

Packaging Features	
Packaging Method	Package

Other	
Brand	TE Connectivity
Node Classification	Standard Rectangular Connectors

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