



What can we help you find?

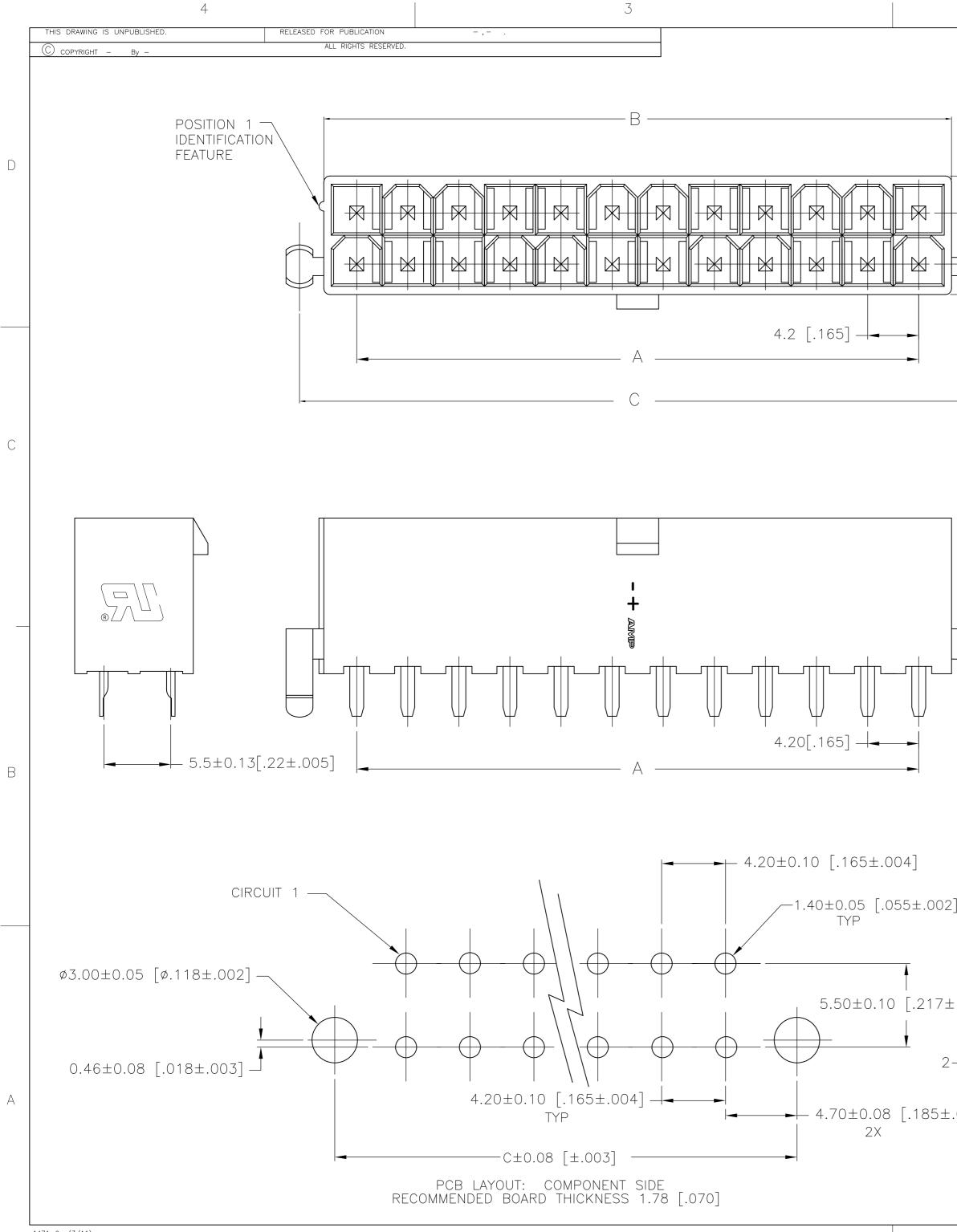
1-1586040-2 Product Details	😐 Share 🛛 🖼 Print 🛛 🖾 Emai
VAL-U-LOK Series Connec	tor System
Always EU RoHS/ELV Compliance) Product Highlights: • Wire-to-Board • Applies To Printed Circuit Boar • Connector • Glow Wire Rating = Standard Wire	iant (Statement of Pricing & Availability Search for Tooling View Mating Products (2) Product Feature Selector Contact Us About This Product
Active Header View all Features	
Add to My Part List	Request Sample Find Similar Products Buy Product
Documentation & Additional Information	
Product Drawings:	Related Products:
VERTICAL HEADER WITH PEGS, WITH DRAIN HOLES VAL-U-LC Catalog Pages/Data Sheets:	 D (PDF, English) Tooling Mating Products (2)
SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG (PE	DF, English)
 VAL-U-LOK Connectors (PDF, English) 	
Application Specifications: VAL-U-LOK Series Headers and Connectors (PDF, English) 	
Instruction Sheets: • None Available	
CAD Files:	
None Available	
	List all Documents
Product Features (Please use the Product Drawing for all o	design activity)
Product Type Features:	Housing Features:
<pre>Product Type Features: Product Type = Connector</pre>	Housing Features: • Connector Style = Plug
Product Type Features: • Product Type = Connector • Connector Type = Header	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165]
Product Type Features: • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With
Product Type Features: • Product Type = Connector • Connector Type = Header	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165]
Product Type Features: • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical • PCB Mount Alignment = With	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed
Product Type Features: • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical • PCB Mount Alignment = With • PCB Mount Retention = With	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) 	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed • Housing Color = White • UL Flammability Rating = UL 94V-0 Configuration Features:
Product Type Features: • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical • PCB Mount Alignment = With • PCB Mount Retention = With • PCB Mount Retention Type = Boardlock(s) • Sealed = No	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed • Housing Color = White • UL Flammability Rating = UL 94V-0 Configuration Features: • Number of Positions = 12
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 Configuration Features: Number of Positions = 12 Number of Rows = 2
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 Configuration Features: Number of Positions = 12 Number of Rows = 2 Tail Orientation = In-line
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 Configuration Features: Number of Positions = 12 Number of Rows = 2
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Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching 	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed • Housing Color = White • UL Flammability Rating = UL 94V-0 Configuration Features: • Number of Positions = 12 • Number of Rows = 2 • Tail Orientation = In-line • Shrouded = Yes Industry Standards:
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching Electrical Characteristics: Contact Current Rating, Max. (A) = 9 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 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
 Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching Electrical Characteristics: Contact Current Rating, Max. (A) = 9 Operating Voltage Reference = AC 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 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 Agency/Standard = UL, CSA
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Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching Electrical Characteristics: Contact Current Rating, Max. (A) = 9 Operating Voltage Reference = AC Operating Voltage (VAC) = 600 Termination Features: Wire/Cable Size (AWG) = 16 - 26 Wire/Cable Size (mm²) = 0.12 - 1.4 	Housing Features: Connector Style = Plug Centerline (mm [in]) = 4.20 [0.165] Mating Alignment = With Mating Alignment Type = Keyed Housing Color = White UL Flammability Rating = UL 94V-0 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 Agency/Standard = UL, CSA UL Rating = Recognized Identification Marking:
Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No U L File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching Electrical Characteristics: Contact Current Rating, Max. (A) = 9 Operating Voltage Reference = AC Operating Voltage (VAC) = 600 Termination Features: Wire/Cable Size (AWG) = 16 - 26 Wire/Cable Size (mm²) = 0.12 - 1.4 Termination Method to PC Board = Through Hole - Solder Dimensions: PCB Thickness, Recommended (mm [in]) = 1.60 [0.063] 	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed • Housing Color = White • UL Flammability Rating = UL 94V-0 Configuration Features: • Number of Positions = 12 • Number of Rows = 2 • Tail Orientation = In-line • Shrouded = Yes Industry Standards: • RoH5/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 • RoH5/ELV Compliance History = Always was RoHS compliant • Agency/Standard = UL, CSA • UL Rating = Recognized Identification Marking: • Circuit Identification Feature = With Environmental:
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Product Type Features: Product Type = Connector Connector Type = Header PCB Mounting Orientation = Vertical PCB Mount Alignment = With PCB Mount Retention = With PCB Mount Retention Type = Boardlock(s) Sealed = No UL File Number = E28476 CSA File Number = 208567 Mechanical Attachment: Mating Retention Type = Latching Electrical Characteristics: Contact Current Rating, Max. (A) = 9 Operating Voltage Reference = AC Operating Voltage (VAC) = 600 Termination Features: Wire/Cable Size (AWG) = 16 - 26 Wire/Cable Size (mm²) = 0.12 - 1.4 Termination Method to PC Board = Through Hole - Solder Dimensions: PCB Thickness, Recommended (mm [in]) = 1.60 [0.063] Tail Length (mm [in]) = 3.5 [0.138] Length (X-Axis) (mm [in]) = 26.40 [1.0394] 	Housing Features: • Connector Style = Plug • Centerline (mm [in]) = 4.20 [0.165] • Mating Alignment = With • Mating Alignment Type = Keyed • Housing Color = White • UL Flammability Rating = UL 94V-0 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 • Agency/Standard = UL, CSA • UL Rating = Recognized Identification Marking: • Circuit Identification Feature = With Environmental: • Operating Temperature (°C [°F]) = -40 - +105 [-40 - +221]
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- Contact Type = Pin
 - Contact Base Material = Brass
 - Contact Plating, Mating Area, Material = Tin
 - Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54 [100]

 - Contact Plating, Termination Area, Material = Tin
 Contact Plating, Termination Area, Thickness (μm [μin]) = 2.54
 - [100] • Contact Design = Square Post

Packaging Features: • Packaging Method = Tray

• Brand = AMP



1471-9 (3/11)

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		LOC	DIST		REVISIONS]
		СМ			DESCRIPTION	DATE DWN APVD	
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	22	42.0±0.25		47.4 [1.87]		2-1586040-2	_
	20	37.8±0.25		43.2 [1.70]		2-1586040-0	_
	18	33.6±0.25		39.0 [1.54]	43.0 [1.69]	1-1586040-8	_
	16	29.4±0.25		34.8 [1.37]		1-1586040-6	_
2]	14	25.2±0.25	L _	30.6 [1.21]	34.6 [1.36]	1-1586040-4	_
-	12	21.0±0.25		26.4 [1.04]	30.4 [1.20]	1-1586040-2	
	10	16.8±0.13 [22.2 [.87]	26.2 [1.03]	1-1586040-0	_
	8	12.6±0.13 [18.0 [.71]	22.0 [.87]	1586040-8	_
±.004]	6	8.4±0.13 [13.8 [.54]	17.8 [.70]	1586040-6	_
]	4	4.2±0.13 [.1/±.005]	9.6 [.38]	13.6 [.54]	1586040-4	-
	2	Δ		5.4 [.21]	9.4 [.37]	1586040-2	-
2-1586040-4	SHOWN POS This drawing is a col		DWN 2	B±0.25[.01]		PART NUMBER	-
			S. HOOVER	5-SEP-2002	- TE	TE Connectivity	
±.003]	DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	D. COLEY APVD 2 D. COLEY	5-SEP-2002 NAME	VERTICAL HEADE	R WITH DEAS	1 ′
		$PLC \pm PLC \pm 0.5 [.02]$	PRODUCT SPEC		with drain	N HOLES	
	4	PLC ± 0.25 [.010] PLC ± - PLC ± -	APPLICATION SPEC	SIZE CAGE	VAL-U-L	OK(TM) Restricted to	<u>,</u>
	A	INGLES ±	WEIGHT		779 C= 1586040		
		2	CUSTOMER DF		SCALE):1 SHEET 1 OF 1 REV B4	-
							-