

	connectivity	Have a Question? Chat with a Product Information Specialist			What can we help you find?				
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1586041-2 Product Details					Share	🗎 Print	🖾 Email		
VAL-U-LOK Series Co ✓ Always EU RoHS/ ✓ Always EU RoHS/ (Statement of Completion of Completi			I RoHS/ELV Comp Compliance) ights: ard Printed Circuit Bo Rating = Standar	ard	Quick ▶ Pricii ▶ Sear ▶ View ▶ Prod ▶ Cont				
		Add to My	Part List F	Request Samp	<u>le</u> <u>F</u>	ind Similar Produ	cts		
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Documentatio	on & Additional In	formation							
 Product Drawings: RIGHT ANGLE HEADER, WITHOUT PEGS VAL-U-LOK(TM) (PDF, English) 					lated Pro Toolir Matin				
	s/Data Sheets: HELL_PIN_AND_SO	CKET_CONNECTO	RS_CATALOG (PE	DF,					
Product Spec • VAL-U-L	ifications: .OK Connectors (PDF	⁻ , English)							
	pecifications: .OK Series Headers a	and Connectors (P	DF, English)						
Instruction S • None Av									
2D Draw3D Mode	AD Format & Compr ving (DXF, Version B el (IGES, Version B) el (STEP, Version B)	3)	ר)						
			List all Doc	cuments					
Product Feat	ures (Please use t	he Product Draw	ving for all desi	gn activity)					
Product Type Features: • Product Type = Connector • Product Type = Connector • Connector • Connector Type = Header • Connector • Termination Method to PC Board = Through Hole - Solder • Mating Alig • PCB Mounting Orientation = Right Angle • Mating Alig • PCB Mount Alignment = Without • UL Flamma • Shrouded = Yes • Sealed = No • UL File Number = E28476 • Number of • CSA File Number = 208567 • Industry Standa					n [in]) = 4 ent = With ent Type = Natural cy Rating = ures: itions = 2 vs = 2	n = Keyed = UL 94V-2			

Have a Question?

Mechanical Attachment: • Mating Retention Type = Latching

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable

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
- Tail Orientation = In-line
- Tail Length (mm [in]) = 3.5 [0.138]

Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- Length (X-Axis) (mm [in]) = 5.40 [0.213]
- Width (Z-Axis) (mm [in]) = 13.00 [0.5118]
- Profile Height (Y-Axis) (mm [in]) = 9.80 [0.386]

Body Features:

- Header Type = Shrouded
- Mating Retention = With
- Selectively Loaded = No

Contact Features:

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

- to 260°C, Wave solder capable to 240°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]

Conditions for Usage:

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

Operation/Application:

- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)
- Pick and Place Cover = Without

Packaging Features:

Packaging Method = Tray

Other:

• Brand = AMP

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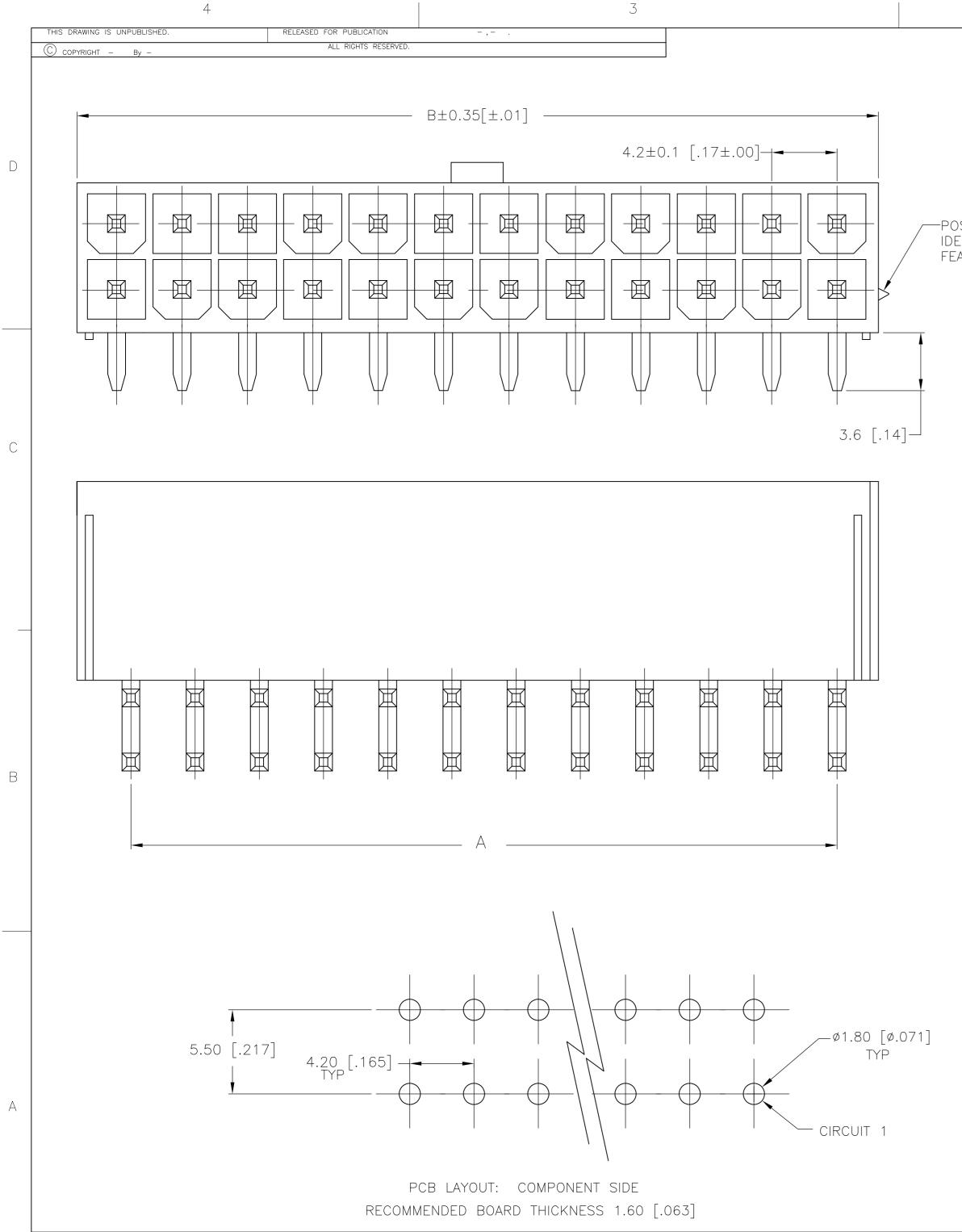
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CUSTOMER DRAWING

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			,	REV	ISIONS						
		CM 00 P	LTR			DATE DW					
			B2 REVISED	PER ECO-11-	017436	29AUG11 HV	IR SM				
OSITION 1 DENTIFICATION EATURE	 MATERIAL: HOUSING-NYLON, UL94V-2 (COLOR-NATURAL, COLOR OF PARTS MAY VARY) CONTACTS-0.25 [.010] THICK BRASS ALLOY. CONTACT FINISH: 0.002032 [.000080] MIN MATTE TIN OVER 0.000381 [.000015] MIN NICKEL OVER ENTIRE CONTACT. 										
	7										
	3	MAIES WII	H VAL-U-	-lok(im) f	RECEPTACLE HOU	JSINGS.					
(0.4)	[.016] - 9.8 [.39] -		.0 [.51]					С			
-(1.1) [.043	3]						_				
5.5 [.22]								g 1586041			
		2 4 6 8 10 12		.17±.00] .33±.00] [.50±.00] [.66±.00] [.83±.01]	5.4 [.21] 9.6 [.38] 13.8 [.54] 18.0 [.71] 22.2 [.87] 26.4 [1.04]	1586041- 1586041- 1586041- 1586041- 1-158604 1-158604	4 6 8 1-0				
2-	1586041-4 SHOWN	14 16 18 20 22 24 POS	25.2±0.2 29.4±0.2 33.6±0.2 37.8±0.2 42.0±0.2	$[.00\pm.01]$ $[.99\pm.01]$ $[1.16\pm.01]$ $[1.32\pm.01]$ $[1.49\pm.01]$ $[1.65\pm.01]$ $[1.82\pm.01]$	30.6 [1.21] 34.8 [1.37] 39.0 [1.54] 43.2 [1.70] 47.4 [1.87]	1-1586041- 1-1586041- 1-1586041- 2-1586041- 2-1586041- 2-1586041- PART NUMBE	1-4 1-6 1-8 -1-0 -1-2 +1-4				
Γ	THIS DRAWING IS A CONTROLLED DOCU	S. HUUVE		_		Connectivity					
	DIMENSIONS: mm [INCHES] 0 PLC ± 1 PLC ± 2 PLC ± 0.5 [3 PLC ± 0.25 [4 PLC ± 0.15C ANGLES ±	CHK D. COLEY APVD D. COLEY PRODUCT SPEC [.010] [.010] D [0059]	18-SEP-2002	2 NAME 2 NAME RIGHT ANGLE HEADER, WITHOUT PEGS VAL-U-LOK(TM) SIZE CAGE CODE DRAWING NO RESTRICT				А			
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