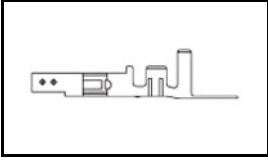


1586317-1 Product Details

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1586317-1

TE Internal Number: 1586317-1

Active

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VAL-U-LOK Series Connector System

Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Wire-to-Board, Wire-to-Board / Wire-to-Wire, Wire-to-Wire
- Applies To Wire/Cable
- Contact
- Glow Wire Rating = Standard Part - Not Glow Wire
- Contact Type = Socket

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [TERMINAL LOOSE PIECE, SOCKET VAL-U-LOK\(TM\)](#) (PDF, English)

Catalog Pages/Data Sheets:

- [SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#) (PDF, English)

Product Specifications:

- [VAL-U-LOK Connectors](#) (PDF, English)

Application Specifications:

- [VAL-U-LOK Series Headers and Connectors](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

[List all Documents](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Contact
- Termination Method to Wire/Cable = Crimp
- Strain Relief = With
- UL File Number = E28476
- CSA File Number = 208567

Electrical Characteristics:

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

Termination Features:

- Wire/Cable Size (AWG) = 22 - 26
- Wire/Cable Size (mm²) = 0.13 - 0.32

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = UL, CSA
- UL Rating = Recognized

Environmental:

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

Conditions for Usage:

- Applies To = Wire/Cable

Dimensions:

- Length (X-Axis) (mm [in]) = 14.55 [0.573]

Body Features:

- Strain Relief Type = Insulation Crimp

Contact Features:

- Contact Type = Socket
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54 [100]
- Contact Design = Single Beam

- Glow Wire Rating = Standard Part - Not Glow Wire

Operation/Application:

- Application Use = Wire-to-Board, Wire-to-Board / Wire-to-Wire, Wire-to-Wire
- Contact Transmits (Typical Application) = Signal (Data)

Packaging Features:

- Packaging Method = Loose Piece

Other:

- Brand = AMP

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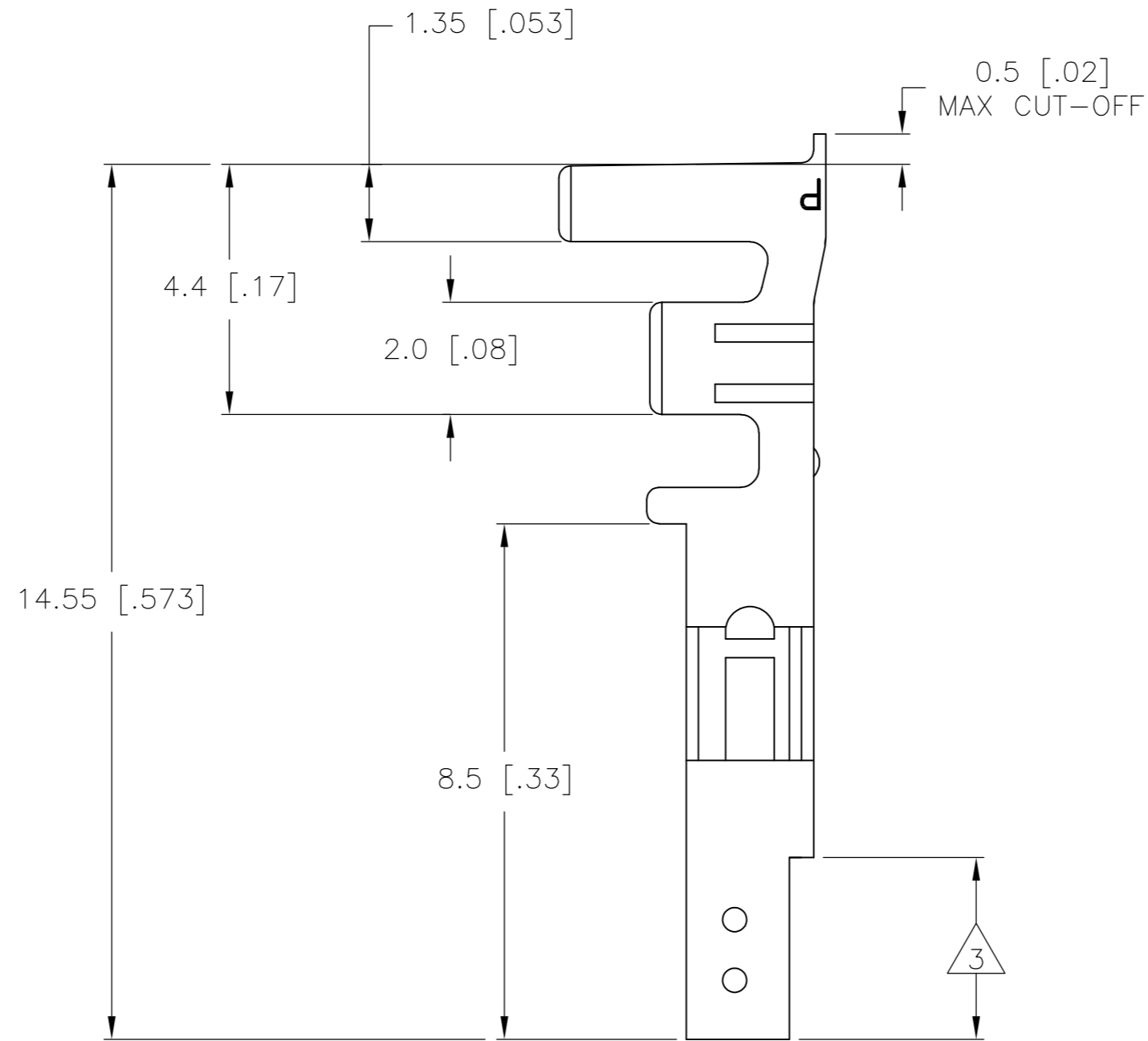
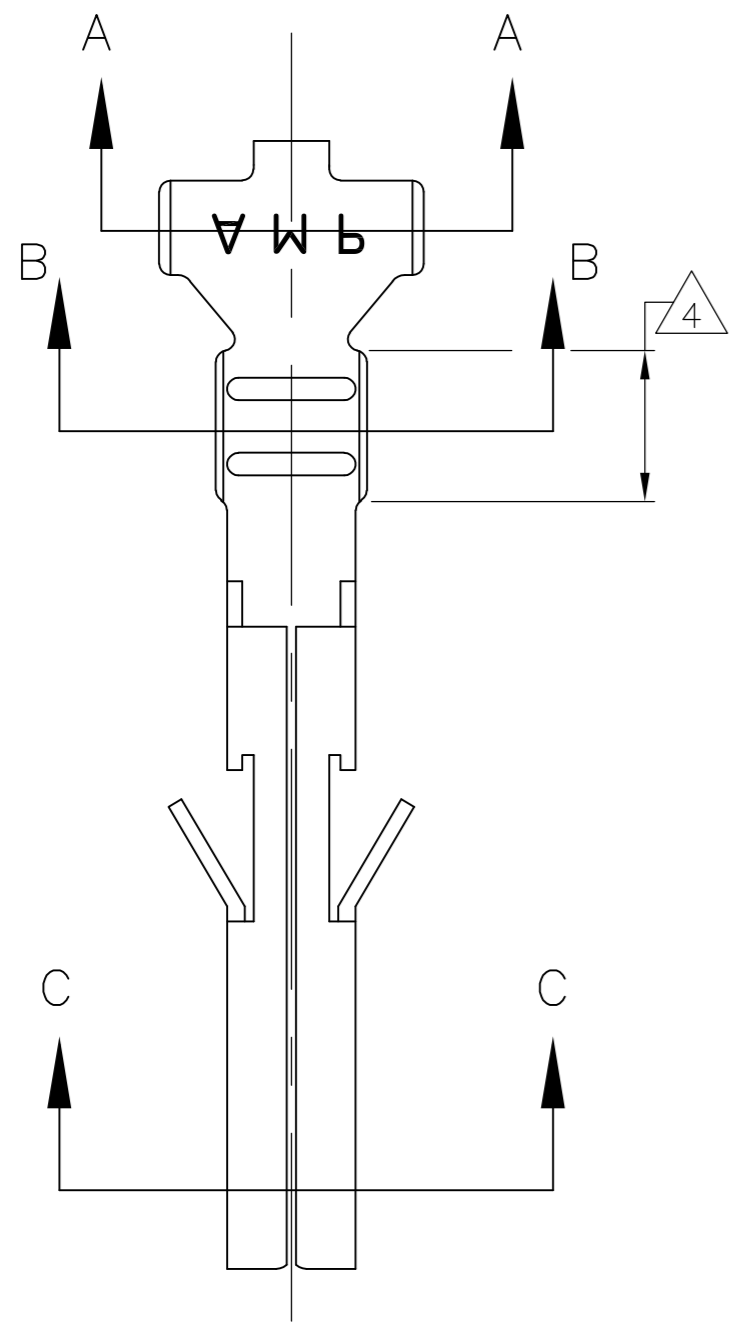
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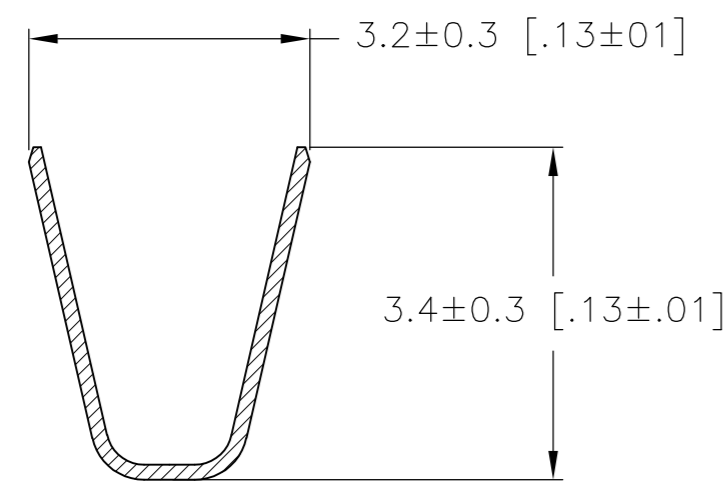
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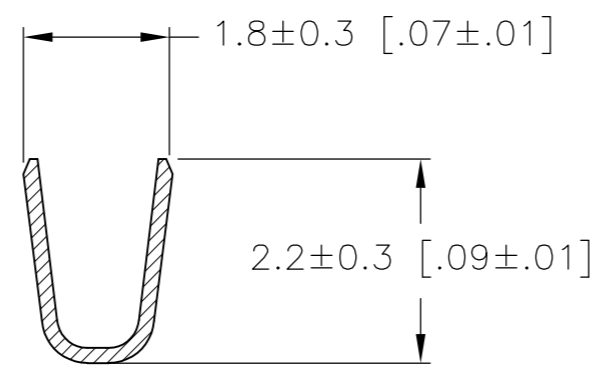
LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
CM	00	A1	REVISED PER ECO-11-005027		11MAR11	RK	HMR



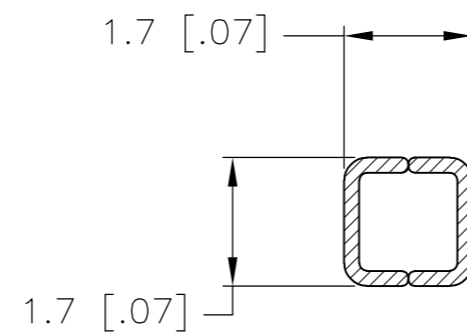
- 1 WIRE RANGE: 0.13-0.32mm² (22-26 AWG).
- 2 INSULATION RANGE: 1.20-1.75 DIA.
- 3 FINISH: 0.76µm MIN GOLD OVER 1.27µm MIN NICKEL REQUIRED ON INNER SURFACE, PERMITTED ON OUTER SURFACE.
- 4 FINISH: 2.54µm MIN TIN ON ALL SURFACES IN THIS AREA.



SECTION A-A



SECTION B-B



SECTION C-C

GOLD	3 4	PHOS. BRZ.	1586317-4
PRE-TIN		PHOS. BRZ.	1586317-3
GOLD	3 4	BRASS	1586317-2
PRE-TIN		BRASS	1586317-1
FINISH:		MATERIAL:	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	S. HOOVER	14-OCT-2003		TE Connectivity				
DIMENSIONS: mm [INCHES]		CHK	D. COLEY	14-OCT-2003		NAME				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	D. COLEY	14-OCT-2003		TERMINAL LOOSE PIECE, SOCKET VAL-U-LOK(TM)				
0 PLC ± 1 PLC ± 0.3 [.01] 2 PLC ± 0.15 [.004] 3 PLC ± 0.050 [.0020] 4 PLC ± ANGLES ±		PRODUCT SPEC	SIZE			CAGE CODE	DRAWING NO	RESTRICTED TO		
MATERIAL		FINISH	WEIGHT		A2	00779	C=1586317	-		
CUSTOMER DRAWING					SCALE	10:1	SHEET	1 OF 1	REV	A1