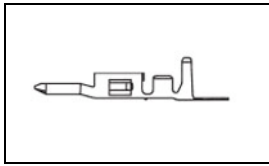


1586840-3 Product Details

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1586840-3

TE Internal Number: 1586840-3



VAL-U-LOK Series Connector System

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Wire-to-Wire
- Applies To Wire/Cable
- Contact
- Glow Wire Rating = Standard Part - Not Glow Wire
- Contact Type = Pin

[View all Features](#)

Quick Links

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- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

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Documentation & Additional Information

Product Drawings:

- [TERMINAL, PIN \(LOOSE PIECE\) 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:

- None Available

Related Products:

- [Tooling](#)

[List all Documents](#)

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) = 16
- Wire/Cable Size (mm²) = 1.25 – 1.4

Dimensions:

- Length (X-Axis) (mm [in]) = 16.80 [0.6614]

Body Features:

- Strain Relief Type = Insulation Crimp

Contact Features:

- Contact Type = Pin
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness (µm [µin]) = 2.54 [100]
- Contact Design = Formed Pin

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 = CSA, UL
- UL Rating = Recognized

Environmental:

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

Conditions for Usage:

- Applies To = Wire/Cable
- Glow Wire Rating = Standard Part - Not Glow Wire

Operation/Application:

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

Packaging Features:

- Packaging Method = Loose Piece/Bulk

Other:

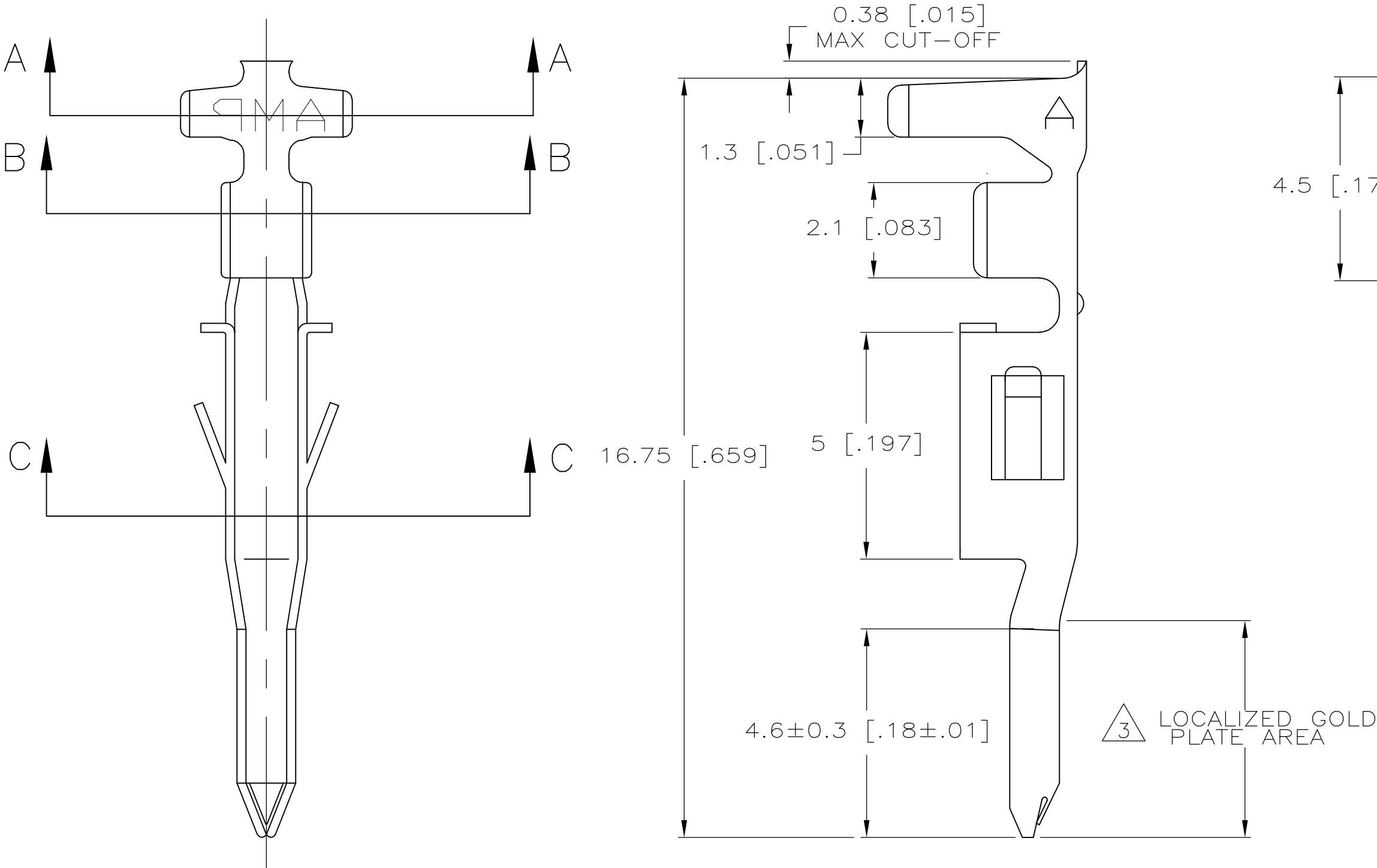
- Brand = TE Connectivity

LOC	DIST	REVISIONS				
CM	00	P	LTR	DESCRIPTION	DATE	DWN
			B1	REVISED PER ECO-08-027061	05NOV08	CC

1. WIRE RANGE: 1.31mm² (16 AWG)
2. INSULATION RANGE: 3.10 [.122] DIA.
- 3


FINISH: 0.76μm [.000030 in] GOLD IN LOCALIZED GOLD PLATE AREA OVER 1.27μm [.00005 in] MINIMUM NICKEL.
- 4

FINISH: 2.54μm [.00001 in] MINIMUM TIN IN LOCALIZED TIN PLATE AREA.



<div>3</div> <div>4</div>	PHOS. BRZ.	1586840-4
PRE-TIN	PHOS. BRZ.	1586840-3
<div>3</div> <div>4</div>	BRASS	1586840-2
PRE-TIN	BRASS	1586840-1
FINISH	MATERIAL	PART NO.

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN K. WHITAKER 04APR2007	<div><div><div>Tyco Electronics</div><div>Tyco Electronics Corporation Harrisburg, PA 17105-3608</div></div></div>			
DIMENSIONS: mm [INCHES]		CHK C.CASH 04APR2007	NAME TERMINAL, PIN (LOOSE PIECE) VAL-U-LOK(TM)			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD C. CASH 04APR2007				
		0 PLC ± 1 PLC ± 2 PLC ± 0.13 [.005] 3 PLC ± 4 PLC ± ANGLES ± 0°30'	PRODUCT SPEC			
MATERIAL	FINISH	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		WEIGHT	A2	00779	C=1586840	
CUSTOMER DRAWING			SCALE	10:1	SHEET	1 of 1
			REV B1			