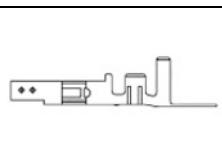


## 1586841-3 Product Details

[Share](#) [Print](#) [Email](#)



**1586841-3**

TE Internal Number: 1586841-3



### VAL-U-LOK Series Connector System



#### 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

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

[Add to My Part List](#)

[Request Sample](#)

[Find Similar Products](#)

[Buy Product](#)

### Documentation & Additional Information

#### Product Drawings:

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

[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

#### 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

#### Electrical Characteristics:

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

#### Environmental:

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

#### Termination Features:

- Wire/Cable Size (AWG) = 16
- Wire/Cable Size (mm<sup>2</sup>) = 1.25 – 1.4

#### Conditions for Usage:

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

#### Dimensions:

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

#### Operation/Application:

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

#### Body Features:

- Strain Relief Type = Insulation Crimp

#### Packaging Features:

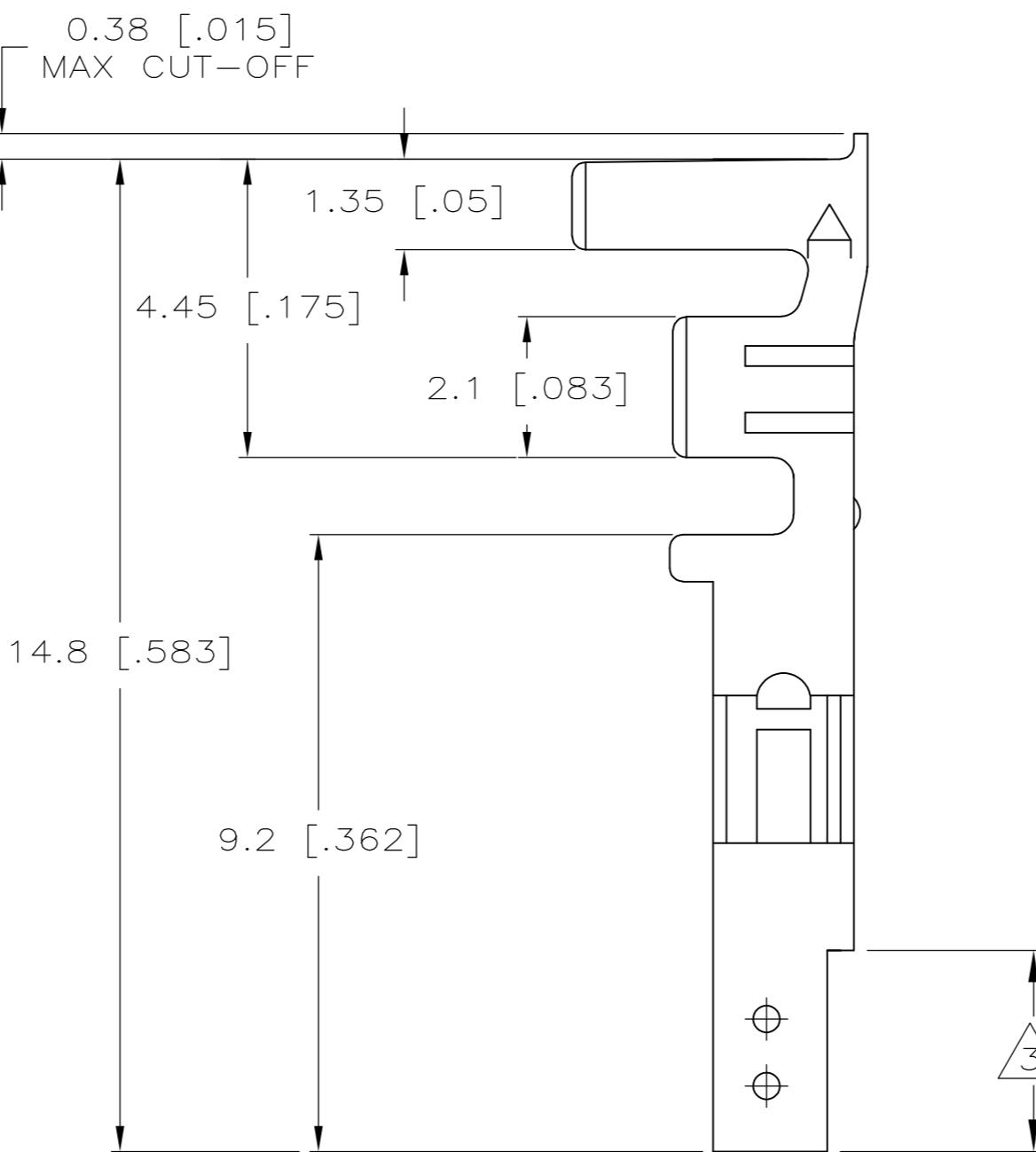
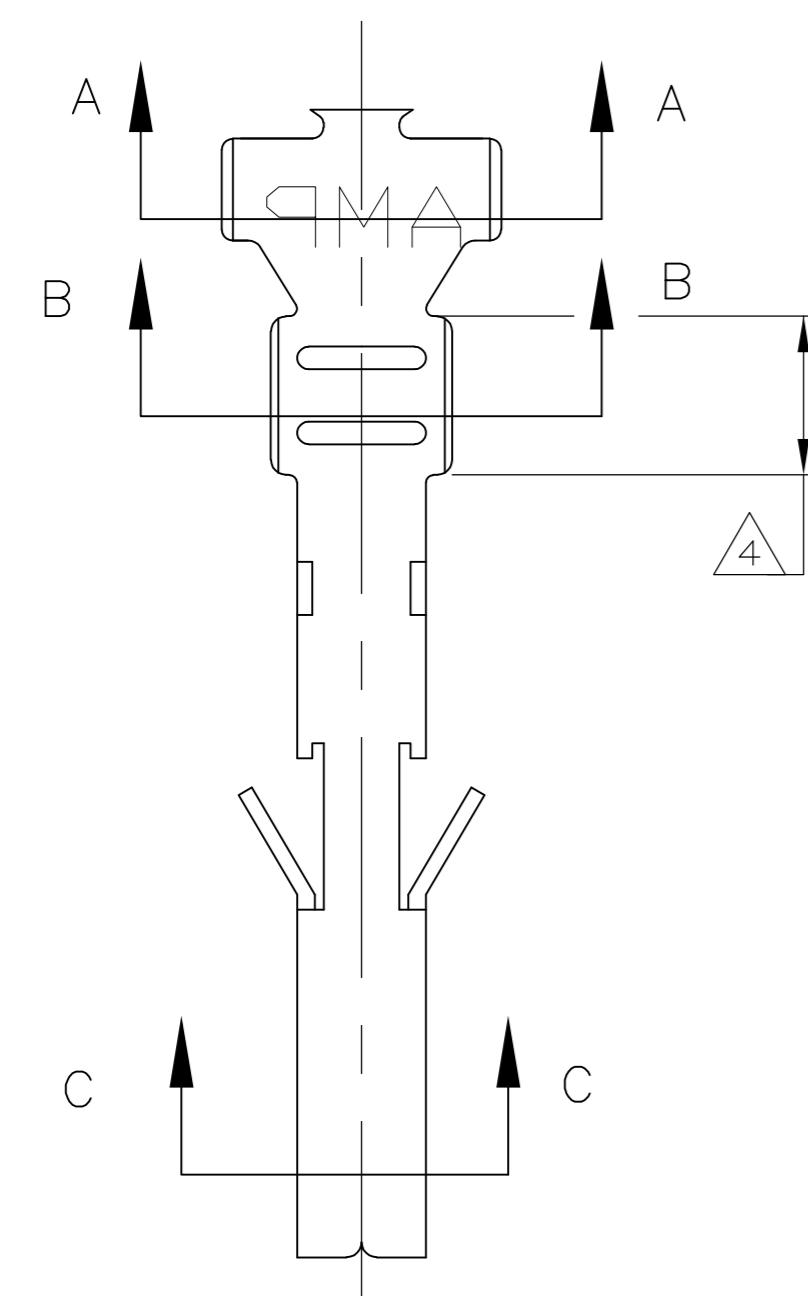
- Packaging Method = Loose Piece/Bulk

#### Contact Features:

- Contact Type = Socket
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]
- Contact Design = Single Beam

#### Other:

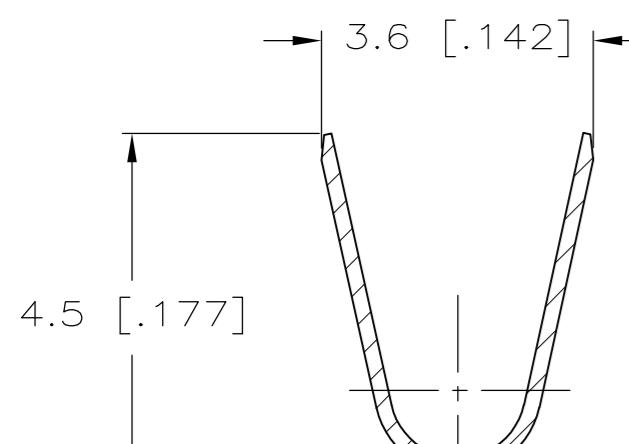
- Brand = TE Connectivity



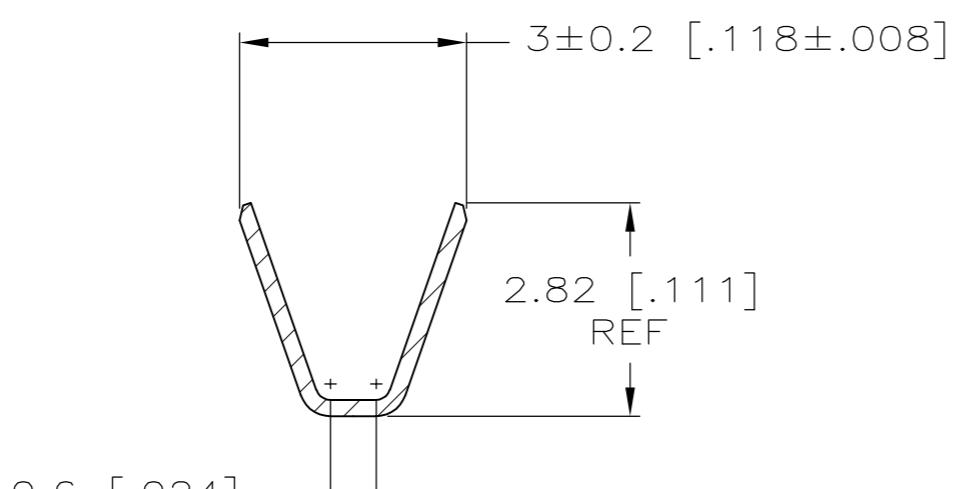
1. WIRE RANGE: 1.31mm<sup>2</sup> (16 AWG).
2. INSULATION RANGE 3.10 [.122] MAXIMUM DIAMETER

3 FINISH: 0.76 $\mu$ m MINIMUM GOLD OVER 1.27 $\mu$ m MINIMUM NICKEL REQUIRED ON INNER SURFACE, PERMITTED ON OUTER SURFACE.

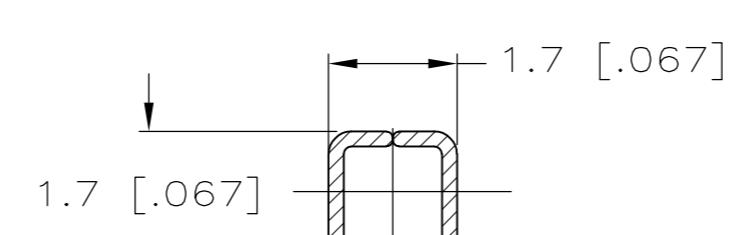
4 FINISH: 2.54 $\mu$ m MINIMUM TIN ON ALL SURFACES IN THIS AREA.



SECTION A-A



SECTION B-B



SECTION C-C

**METRIC**

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	± 0.2 [.01]	C. CASH	04APR2007
1 PLC	± 0.13 [.005]	C. CASH	04APR2007
2 PLC	± 0.254 [.0100]	PRODUCT SPEC	
3 PLC		APPLICATION SPEC	
4 PLC		WEIGHT	
ANGLES			
MATERIAL	FINISH	CUSTOMER DRAWING	RESTRICTED TO
		A2 00779 C-1586841	—
		SCALE 10:1	SHEET 1 OF 1
		REV B1	