TE connectivity

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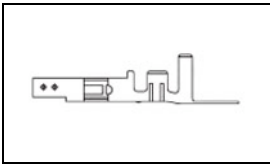# 794956-2 Product Details

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794956-2

TE Internal Number: 794956-2

✓ Active

📄 View 3D PDF

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
- ▷ Pricing & Availability
- ▷ Search for Tooling
- ▷ Product Feature Selector
- ▷ Contact Us About This Product

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Documentation & Additional Information

Product Drawings:
- TERMINAL 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 G)
- 3D Model (IGES, Version G)
- 3D Model (STEP, Version G)

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) = 18 – 24
- Wire/Cable Size (mm²) = 0.2 – 0.8

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 = Gold
- Contact Plating, Mating Area, Thickness (µm [µin]) = 0.76 [29.92]
- Contact Design = Single Beam

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
- 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)
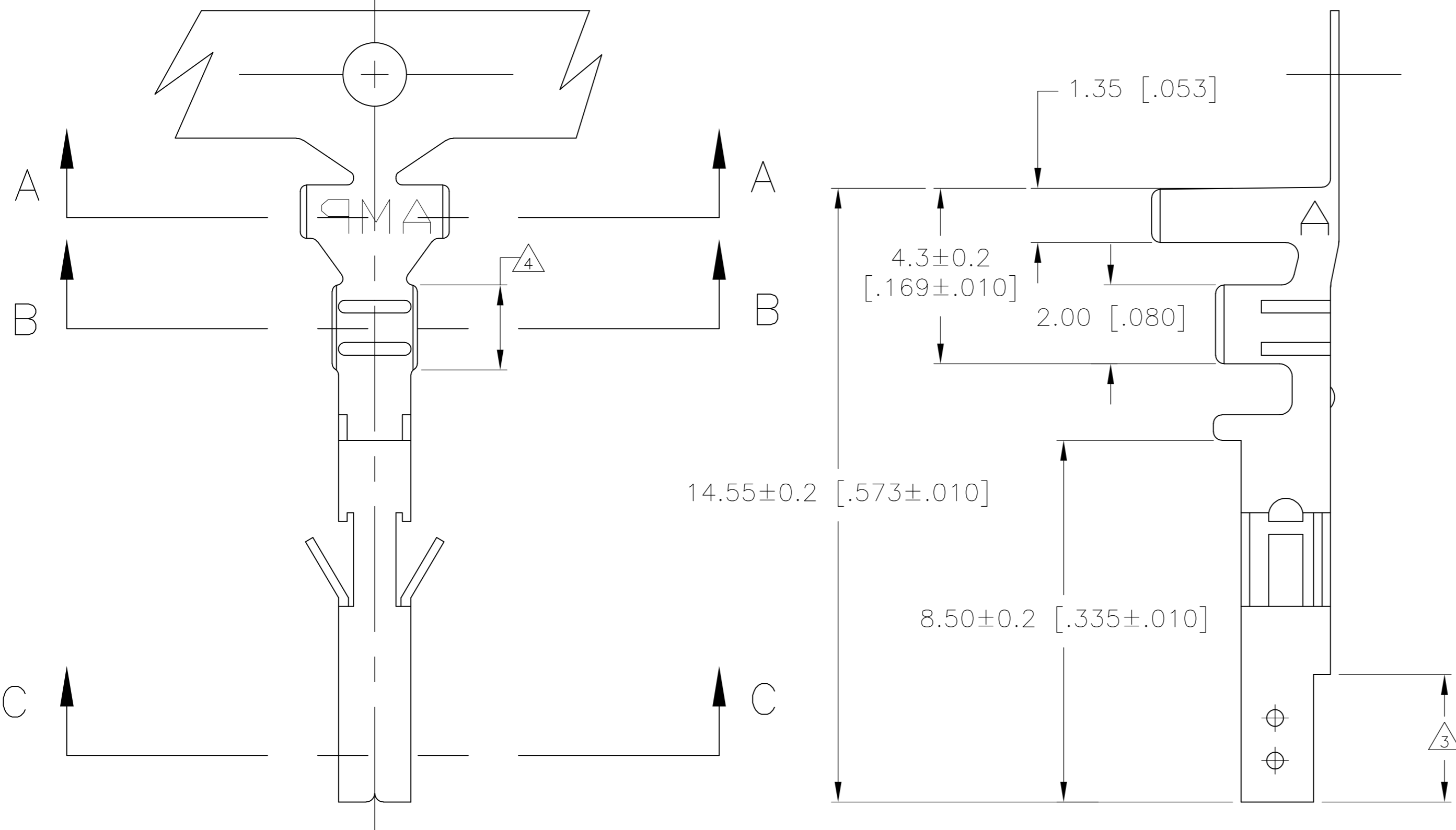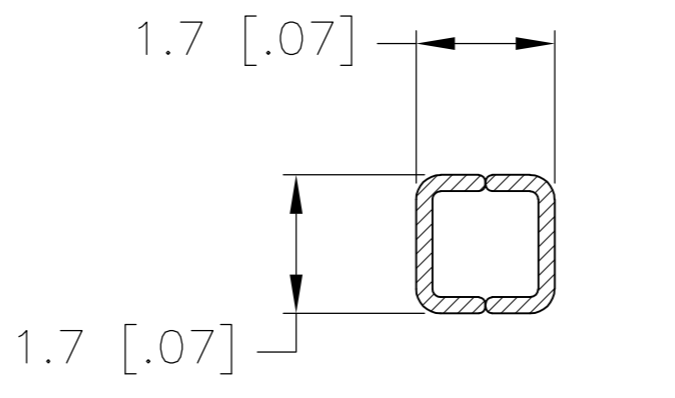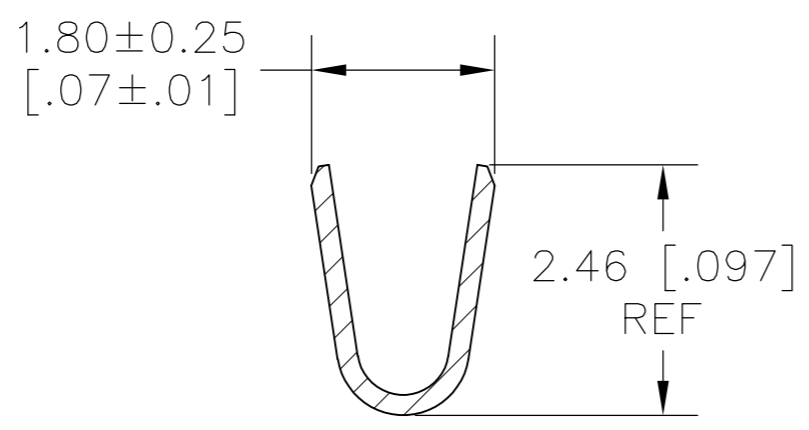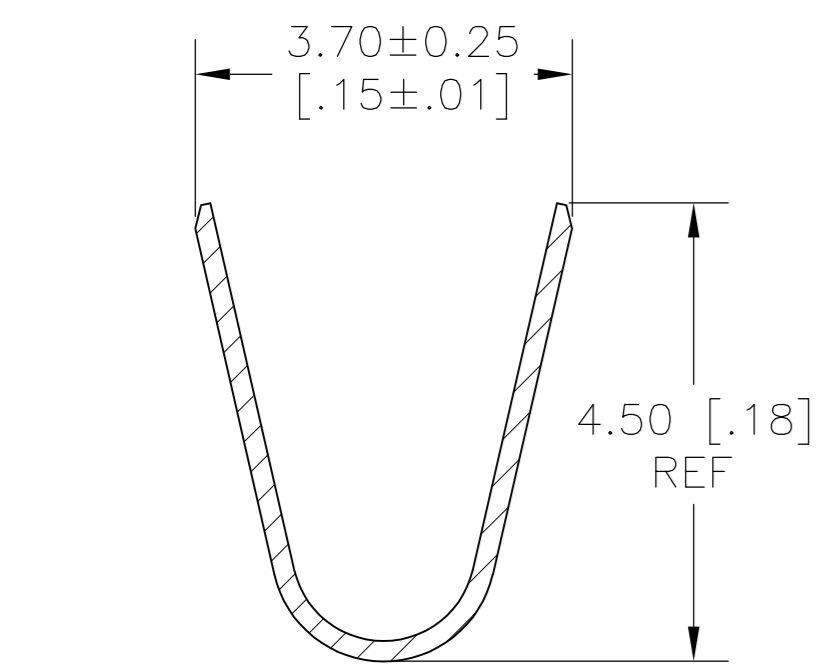
Packaging Features:
- Packaging Method = Strip

Other:
- Brand = AMP

LOC	DIST		REVISIONS				
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			H5	REVISED PER ECR 13-011079	11JUL13	JR	KR

1.35 [.053]

4.3±0.2 [.169±.010]

2.00 [.080]

14.55±0.2 [.573±.010]

8.50±0.2 [.335±.010]

1   WIRE RANGE: 0.3-0.82mm² (22-18 AWG).

2   INSULATION RANGE: 1.50 - 3.10 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 PRE-TIN ON ALL SURFACES IN THIS AREA.
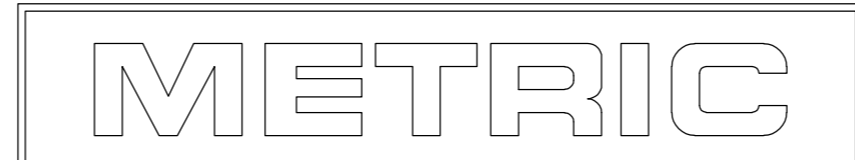
△5   FINISH: 2.54μm MINIMUM PRE-TIN ALL OVER.

794956

SECTION A-A

3.70±0.25 [.15±.01]

4.50 [.18] REF

SECTION B-B

1.80±0.25 [.07±.01]

2.46 [.097] REF

SECTION C-C

1.7 [.07]

1.7 [.07]

	PART NO.	
LUBRICANT	794956-1	794956-5
GOLD △3 △4	PHOS. BRZ.	794956-4
PRE-TIN △5	PHOS. BRZ.	794956-3
GOLD △3 △4	BRASS	794956-2
PRE-TIN △5	BRASS	794956-1
FINISH:	MATERIAL:	PART NO.

METRIC

DWN	S. HAMM	10-SEP-2001
CHK	D. COLEY	10-SEP-2001
APVD	D. COLEY	10-SEP-2001

DIMENSIONS: MM [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC	±
1 PLC	± 0.25 [.010]
2 PLC	± 0.15 [.006]
3 PLC	± -
4 PLC	± -
ANGLES	±

PRODUCT SPEC

APPLICATION SPEC

MATERIAL   FINISH

WEIGHT

≡TE   TE Connectivity

NAME

TERMINAL SOCKET
VAL-U-LOK (TM)

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-794956		-

CUSTOMER DRAWING

SCALE NTS	SHEET 1 of 1	REV H5

1471-9 (3/11)