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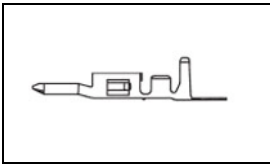
794957-1 Product Details

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794957-1

TE Internal Number: 794957-1

✔ Active

 View 3D PDF

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

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Documentation & Additional Information

Product Drawings:
- TERMINAL PIN 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, Connectors and TPA Accessories (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version E)
- 3D Model (IGES, Version E)
- 3D Model (STEP, Version E)

List all Documents

Related Products:
- Tooling

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

Product Type Features:
- Product Type = Contact
- 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
- Termination Method to Wire/Cable = Crimp

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

Configuration Features:
- Strain Relief = With

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
- UL File Number = E28476

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:
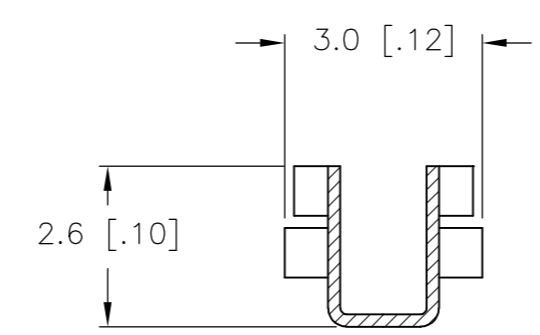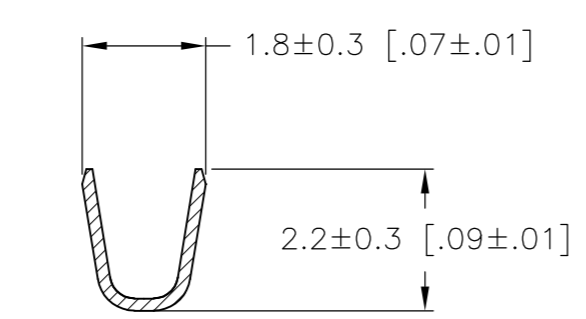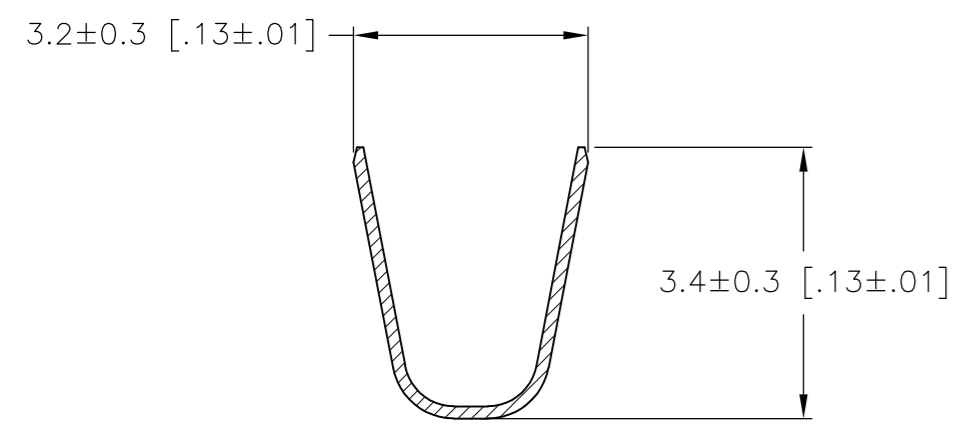- Packaging Method = Strip
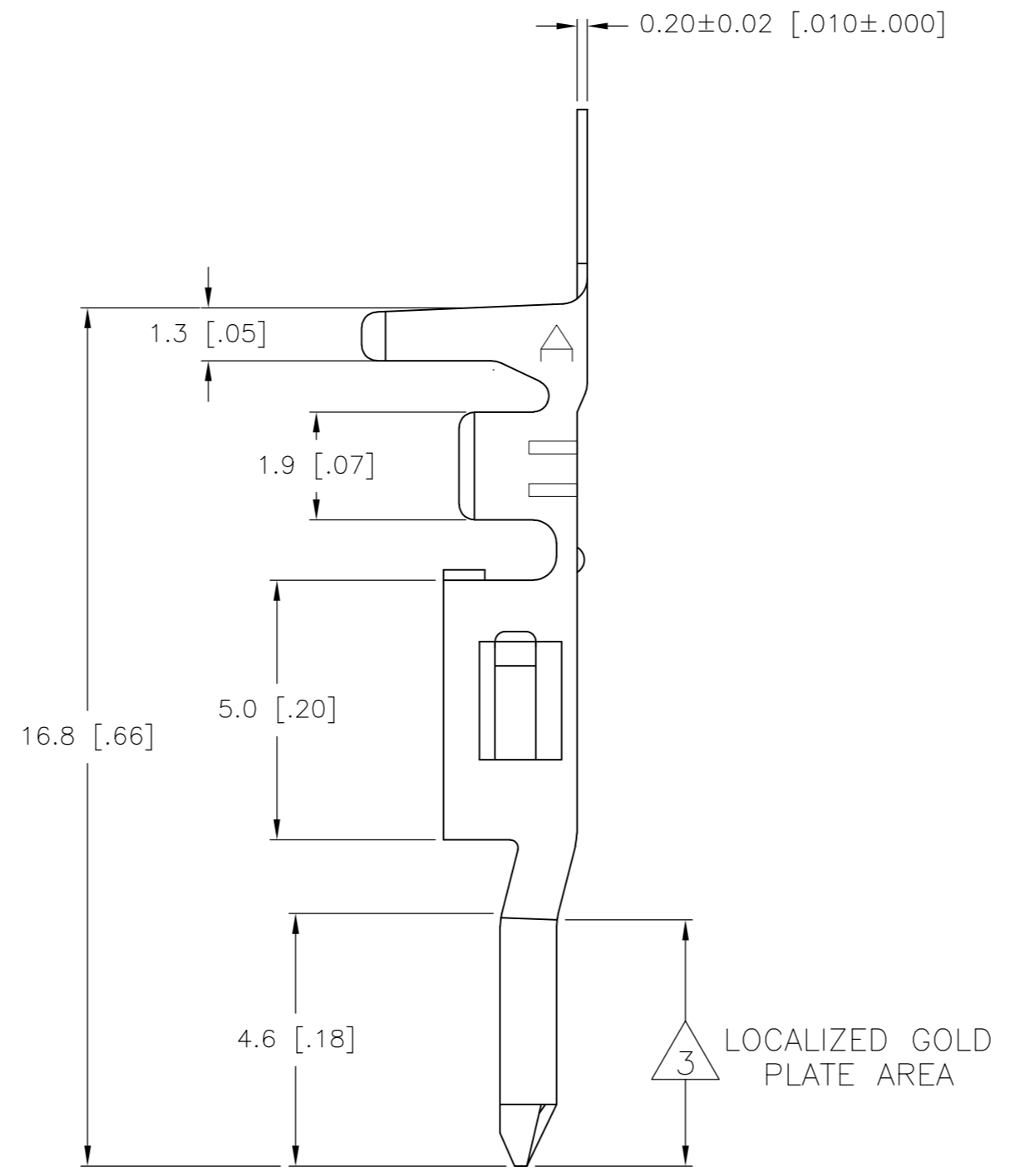
Other:
- Brand = AMP

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1   WIRE RANGE: 0.13-0.32mm² (26-22 AWG).

2   INSULATION RANGE: 1.20-1.75 DIA.

△3   FINISH: 0.76μm MINIMUM GOLD IN LOCALIZED GOLD PLATE AREA OVER
      1.27μm MINIMUM NICKEL

△4   FINISH: 2.54μm MINIMUM PRE-TIN IN LOCALIZED TIN PLATE AREA.

△5   FINISH: 2.54μm MINIMUM PRE-TIN ALL OVER.

0.20±0.02 [.010±.000]

1.3 [.05]

1.9 [.07]

5.0 [.20]

16.8 [.66]

4.6 [.18]

△3 LOCALIZED GOLD
PLATE AREA

A
A

B
B

△4

C
C

AMP

794957

SECTION A-A

3.2±0.3 [.13±.01]

3.4±0.3 [.13±.01]

SECTION B-B

1.8±0.3 [.07±.01]

2.2±0.3 [.09±.01]

SECTION C-C

3.0 [.12]

2.6 [.10]
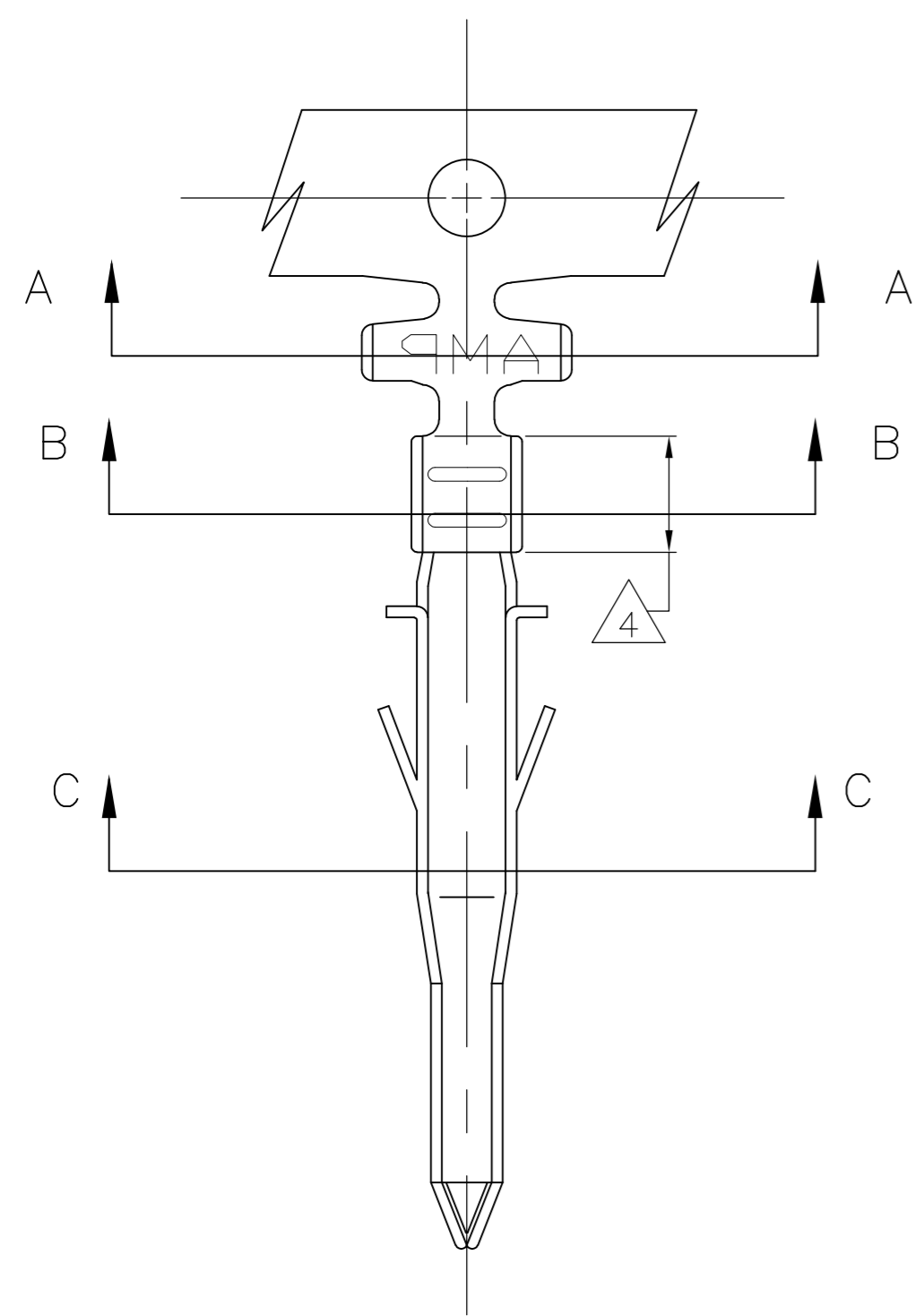
METRIC

FINISH		MATERIAL	PART NO.
GOLD	△3 △4	PHOS. BRZ.	794957-4
PRE-TIN	△5	PHOS. BRZ.	794957-3
GOLD	△3 △4	BRASS	794957-2
PRE-TIN	△5	BRASS	794957-1
FINISH:		MATERIAL:	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	S. HAMM	06-SEP-2001
CHK	D. COLEY	07-SEP-2001
APVD	D. COLEY	07-SEP-2001

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC   ±
1 PLC   ±
2 PLC   ± 0.25 [.010]
3 PLC   ± 0.15 [.006]
4 PLC   ± 0.050 [.0020]
ANGLES   ±

MATERIAL   FINISH

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

≡TE   TE Connectivity

NAME
TERMINAL PIN
VAL-U-LOK(TM)

SIZE A2	CAGE CODE 00779	DRAWING NO C-794957	RESTRICTED TO —

CUSTOMER DRAWING

SCALE 10:1   SHEET 1 of 1   REV F2