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Have a Question?
Chat with a Product
Information Specialist   What can we help you find?

Products   **Industries**   **Resources**   **About TE**   **My Account**   **Innovation**   **Support Center**

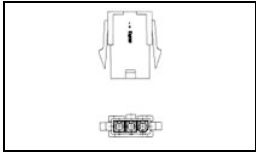# 1586101-3 Product Details

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1586101-3

TE Internal Number: 1586101-3

✔ 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
- Connector
- Glow Wire Rating = Standard Part - Not Glow Wire
- Housing

View all Features

Quick Links
- ▶ Pricing & Availability
- ▶ Search for Tooling
- ▶ View Mating Products (1)
- ▶ Product Feature Selector
- ▶ Contact Us About This Product

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Documentation & Additional Information

Product Drawings:
- 3 POS, PLUG, V2, 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)

Related Products:
- Tooling
- Mating Products (1)

List all Documents

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

Product Type Features:
- Product Type = Connector
- Connector Type = Housing
- Sealed = No
- UL File Number = E28476
- CSA File Number = 208567

Mechanical Attachment:
- Mating Retention Type = Latching

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

Termination Features:
- Termination Method to Wire/Cable = Crimp

Dimensions:
- Length (X-Axis) (mm [in]) = 13.80 [0.543]
- Width (Z-Axis) (mm [in]) = 23.90 [0.940]
- Profile Height (Y-Axis) (mm [in]) = 7.40 [0.291]

Body Features:
- Mating Retention = With
- Selectively Loaded = No

Contact Features:
- Contact Type = Pin
- Contact Design = Formed Pin

Housing Features:
- Connector Style = Plug
- Centerline (mm [in]) = 4.20 [0.165]
- Mating Alignment = With
- Mating Alignment Type = Keyed
- Housing Color = Natural
- UL Flammability Rating = UL 94V-2

Configuration Features:
- Number of Positions = 3
- Number of Rows = 1

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

Identification Marking:
- Circuit Identification Feature = With

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)
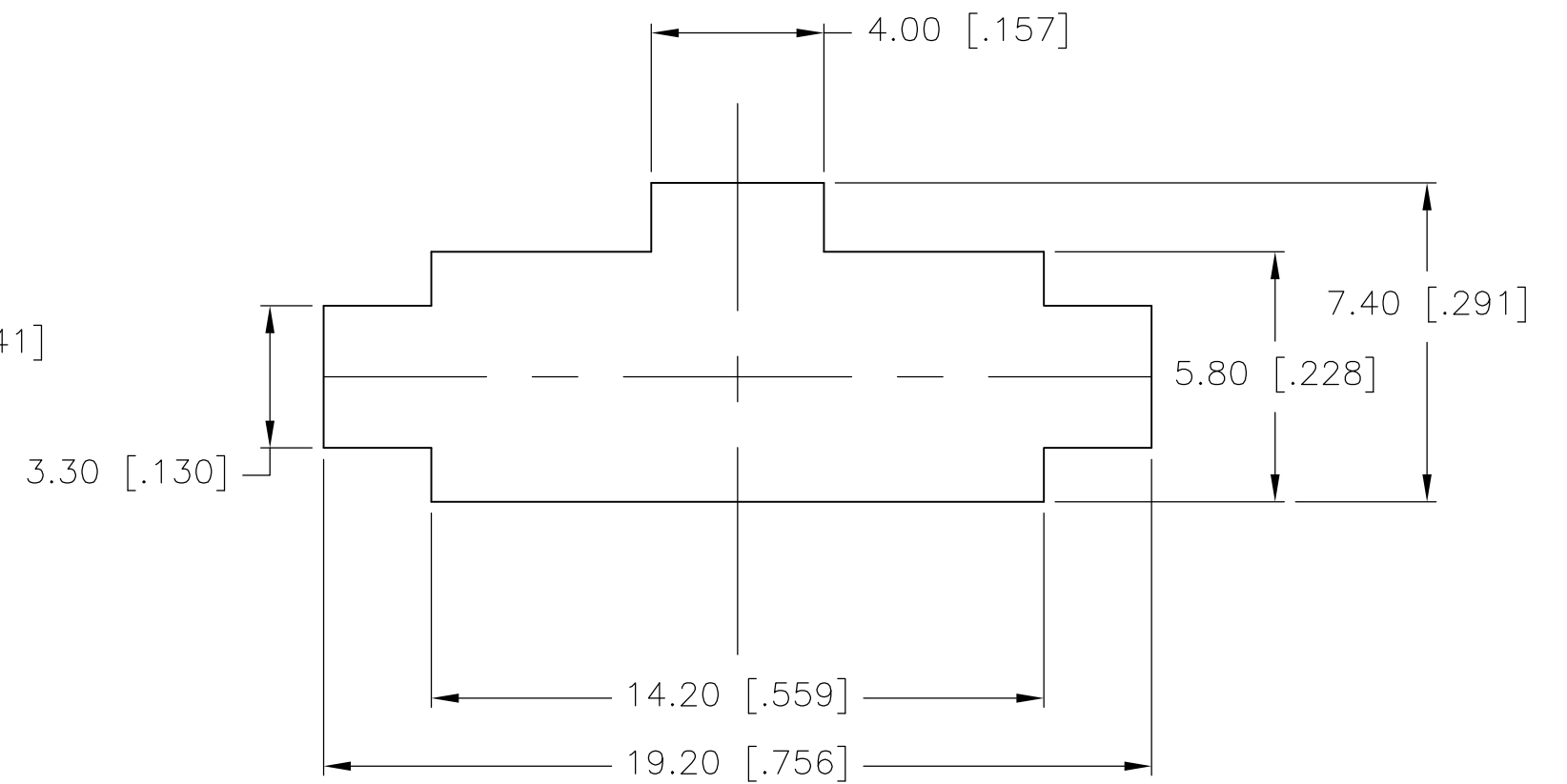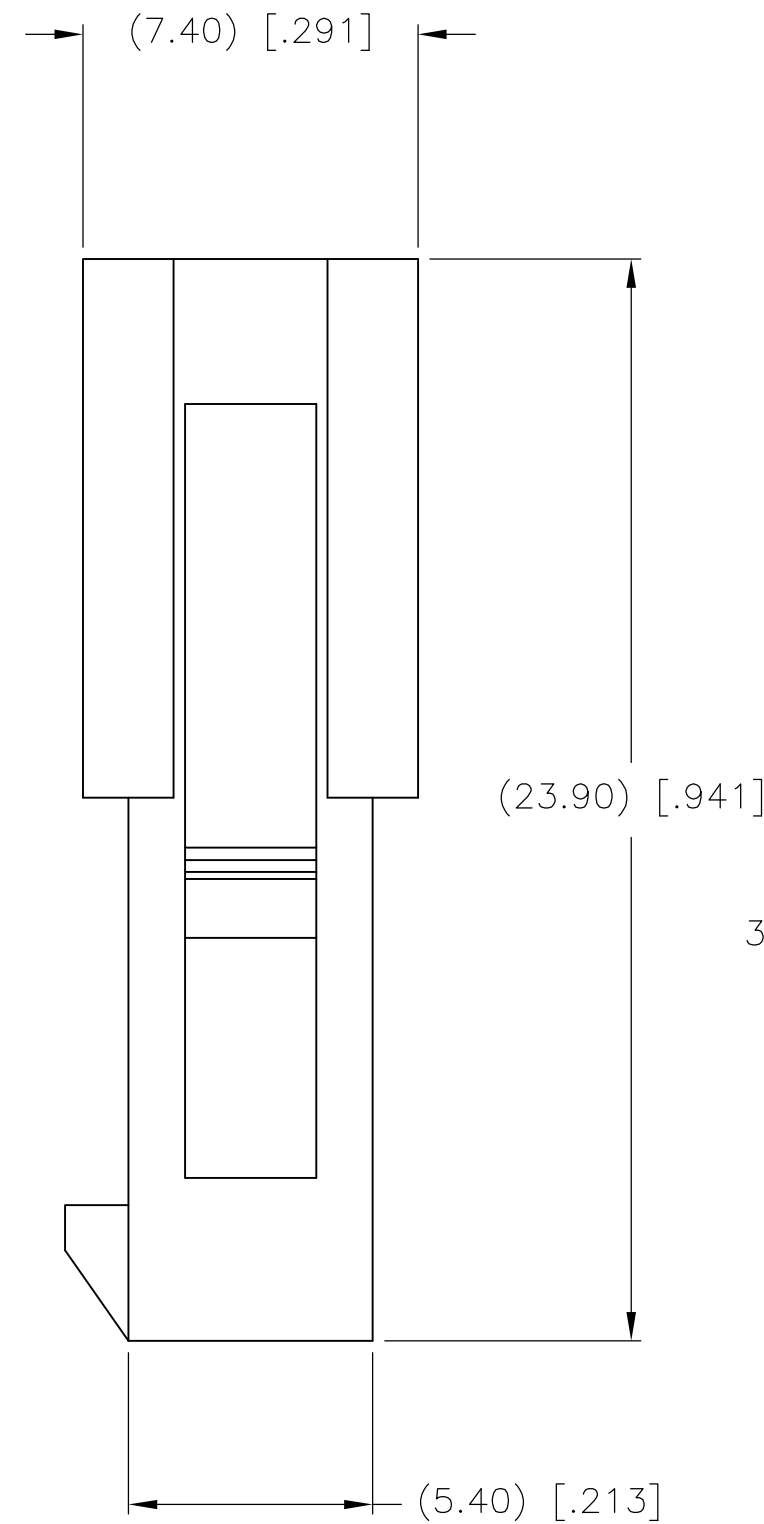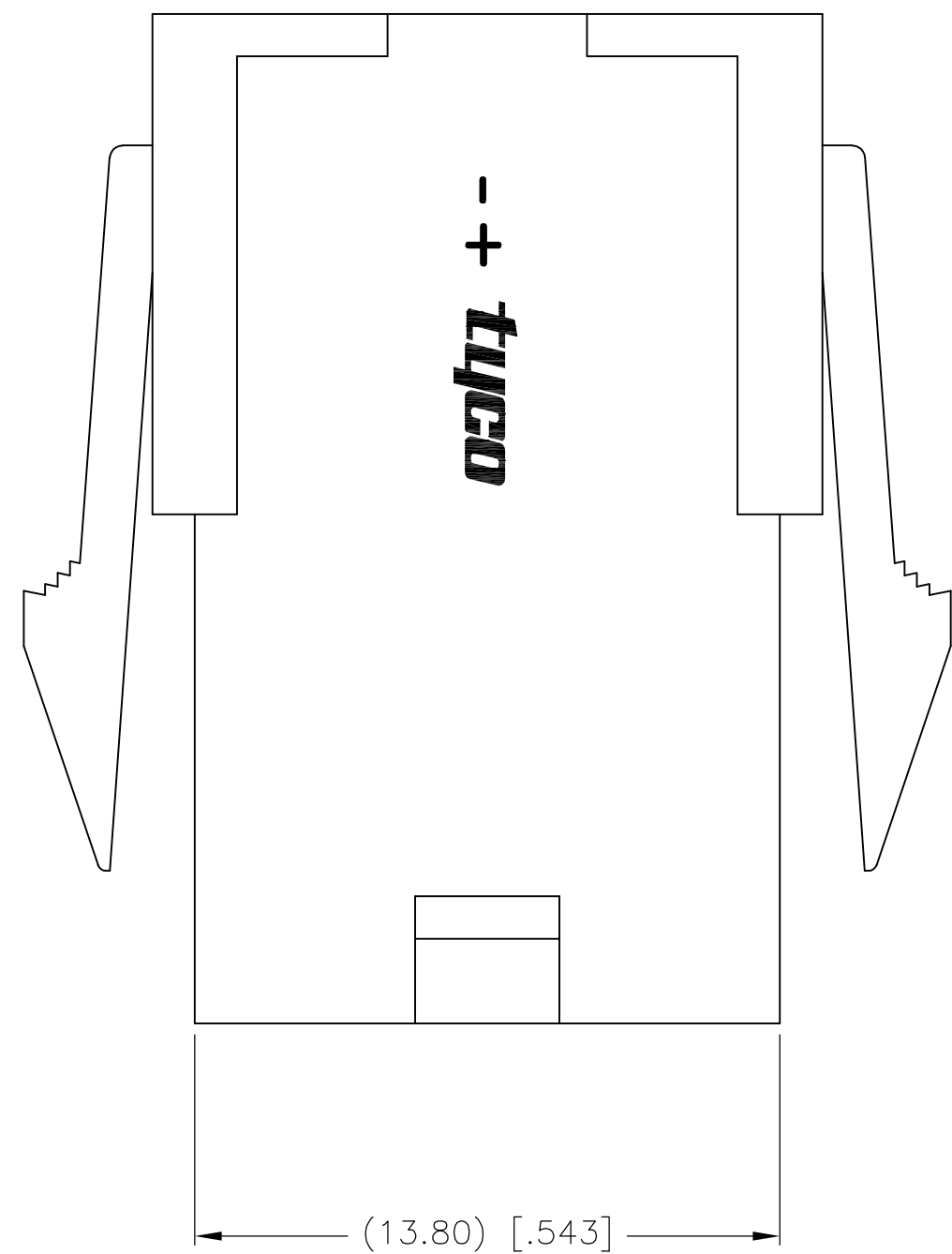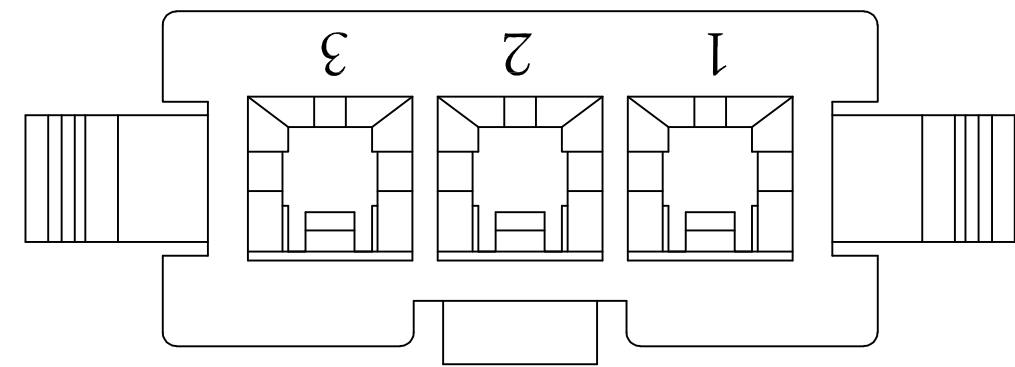- Pick and Place Cover = Without

Packaging Features:
- Packaging Method = Bag

Other:
- Brand = AMP

		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	REVISED PER ECO-08-017870	22JUL08	HMR	CC

LOC: CM DIST: 00

(7.40) [.291]

(23.90) [.941]

3.30 [.130]

(5.40) [.213]

(13.80) [.543]

4.20 [.165]
TYP

tyco
- +

4.00 [.157]

7.40 [.291]

5.80 [.228]

14.20 [.559]

19.20 [.756]

RECOMMENDED PANEL CUT-OUT
2.00 [.079] MAX THICK PANEL

1   MATERIAL: NYLON UL94V-2.

2   PANEL MUST BE PUNCHED SO THAT THE HOUSING
     ENTERS THE PANEL IN THE SAME DIRECTION AS
     THE PUNCH.

1586101

1586101-3
PART NO.

METRIC

AMP 1471-9 REV 31MAR2000