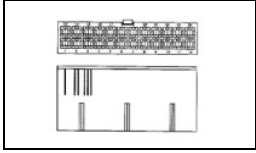


2-1586017-4 Product Details

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2-1586017-4

TE Internal Number: 2-1586017-4
✔ 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 \(2\)](#)
- ▶ [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:

- [FREE HANGING PLUG HOUSING, V0, 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:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

Related Products:

- [Tooling](#)
- [Mating Products \(2\)](#)

[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]) = 51.60 [2.031]
- Width (Z-Axis) (mm [in]) = 23.90 [0.940]
- Profile Height (Y-Axis) (mm [in]) = 9.60 [0.378]

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-0

Configuration Features:

- Number of Positions = 24
- Number of Rows = 2

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:

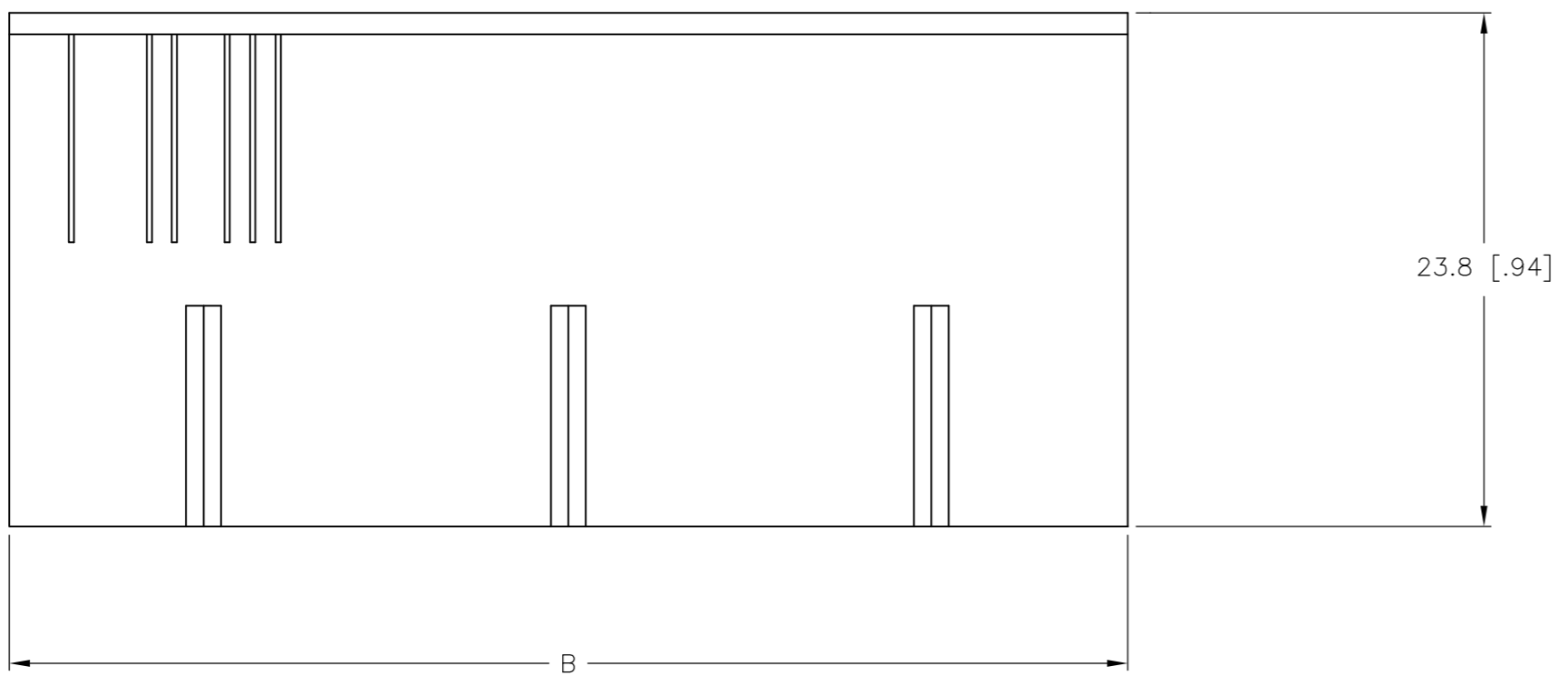
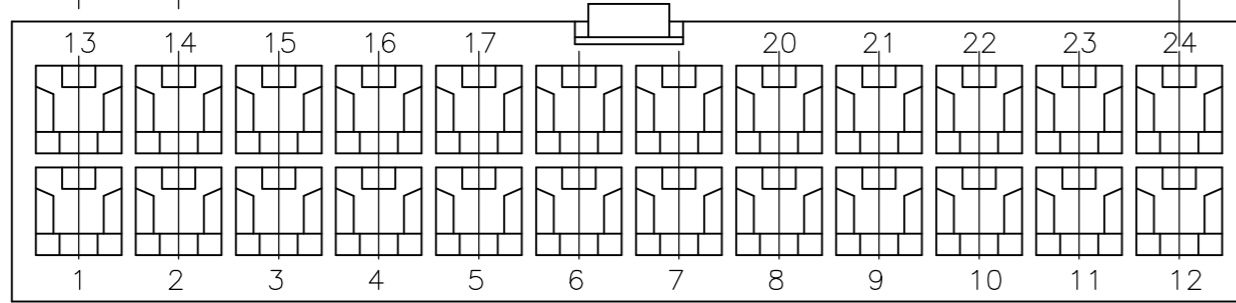
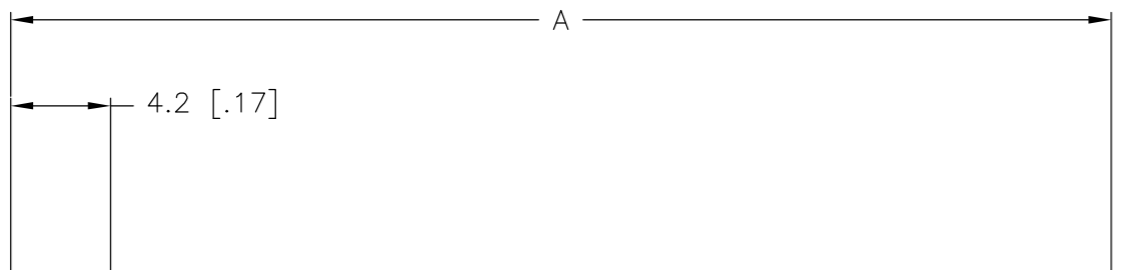
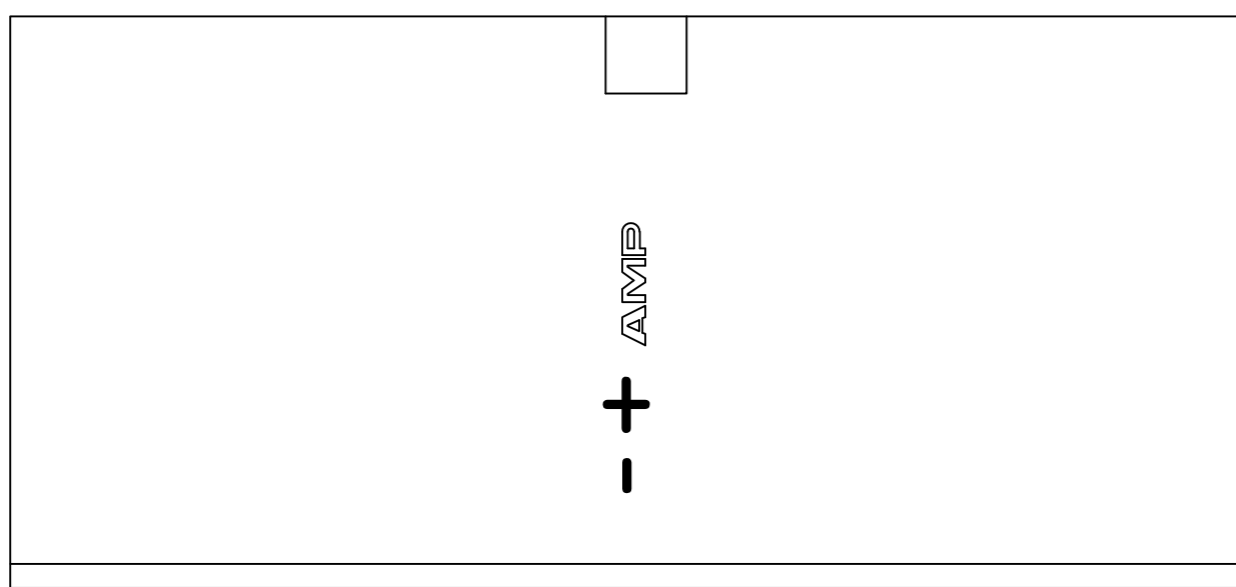
- Packaging Method = Bag

Other:

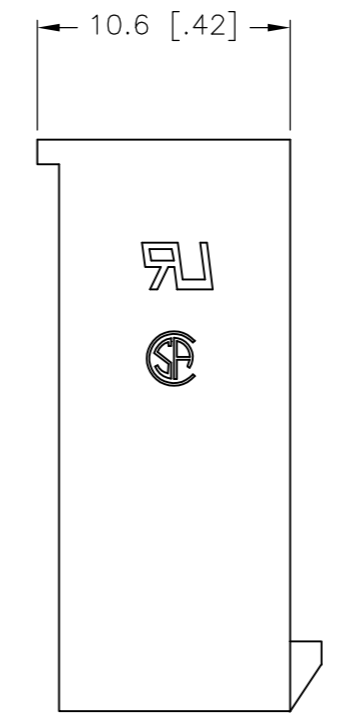
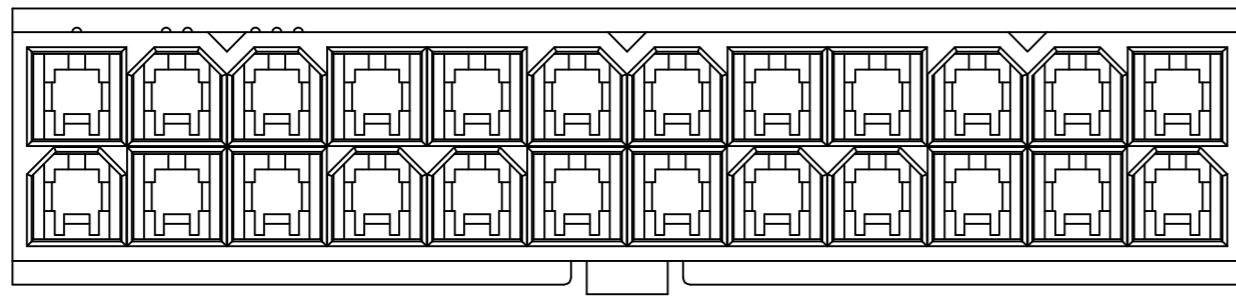
- Brand = AMP

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LOC	DIST	REVISIONS					
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A1		REVISED PER ECO-11-004917	11MAR11	RK	HMR



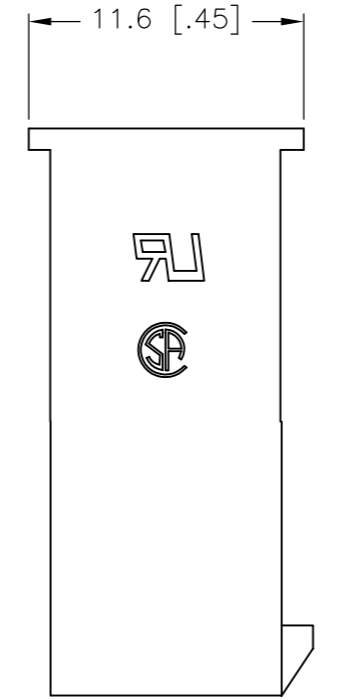
23.8 [.94]



9.6 [.38]

2 POSITION ONLY

1 NYLON, UL94V-0.



9.6 [.38]

51.6	46.2	24	2-1586017-4
47.4	42.0	22	2-1586017-2
43.2	37.8	20	2-1586017-0
39.0	33.6	18	1-1586017-8
34.8	29.4	16	1-1586017-6
30.6	25.2	14	1-1586017-4
26.4	21.0	12	1-1586017-2
22.2	16.8	10	1-1586017-0
18.0	12.6	8	1586017-8
13.8	8.4	6	1586017-6
9.6	4.2	4	1586017-4
5.4	--	2	1586017-2
DIM B	DIM A	POS	PART NUMBER

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 0.4 [.02] 2 PLC ± 0.25 [.010] 3 PLC ± 0.150 [.0059] 4 PLC ± ANGLES ± FINISH	DWN S. HAMM 30-JUL-2002 CHK D. COLEY 30-JUL-2002 APVD D. COLEY 30-JUL-2002 PRODUCT SPEC APPLICATION SPEC WEIGHT CUSTOMER DRAWING	NAME FREE HANGING PLUG HOUSING, VO, VAL-U-LOK(TM)	SIZE A2 CAGE CODE 00779 DRAWING NO C=1586017 RESTRICTED TO -
MATERIAL 1		SCALE 1:1 SHEET 1 OF 1 REV A1		