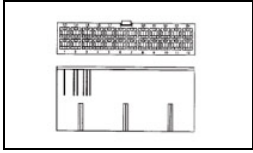


## 1-1586000-6 Product Details

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**1-1586000-6**

TE Internal Number: 1-1586000-6

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, 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 C)
- [3D Model](#) (IGES, Version C)
- [3D Model](#) (STEP, Version C)

#### 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]) = 34.80 [1.3701]
- Width (Z-Axis) (mm [in]) = 23.80 [0.937]
- 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-2

#### Configuration Features:

- Number of Positions = 16
- 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:

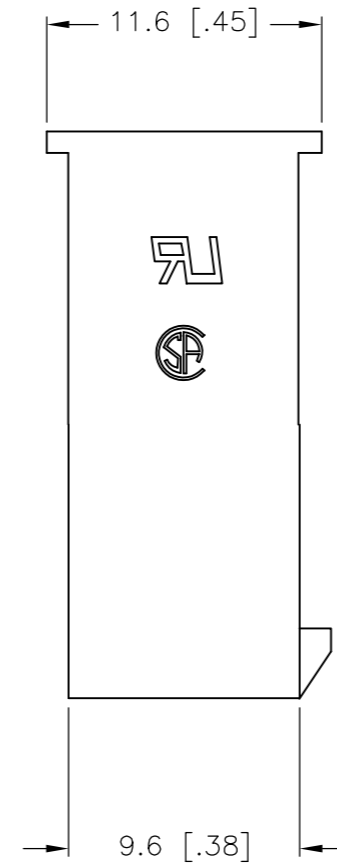
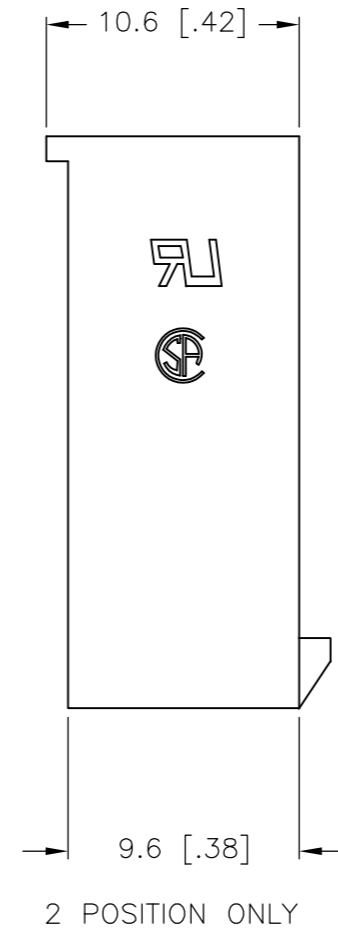
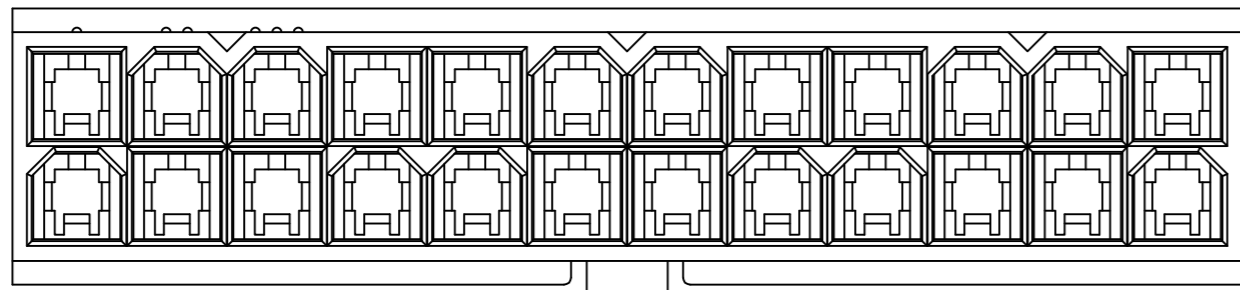
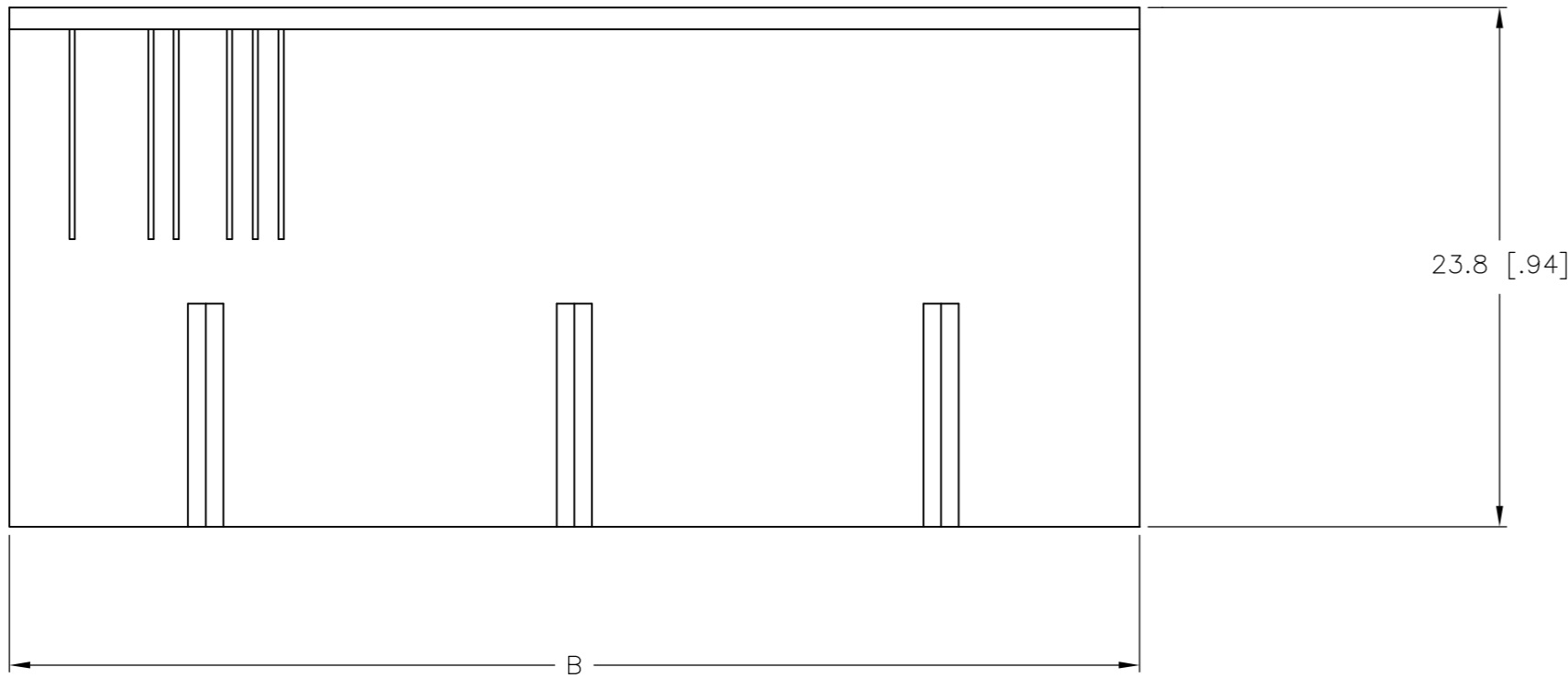
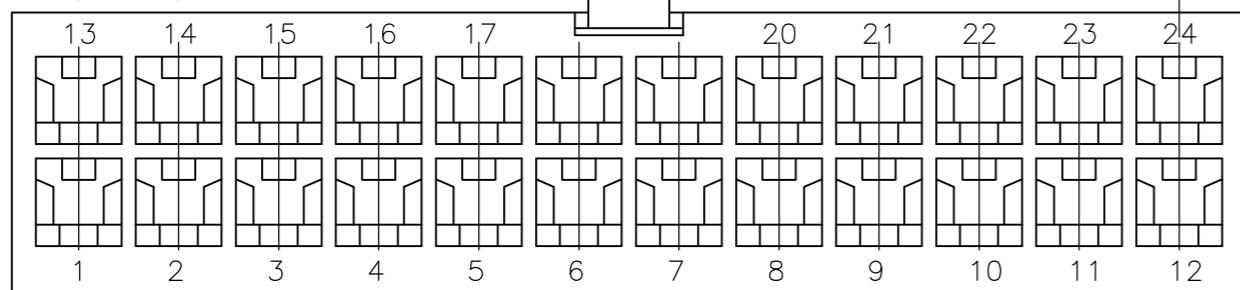
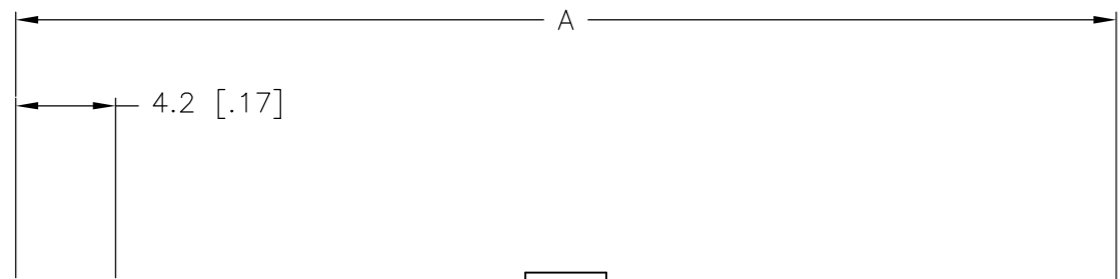
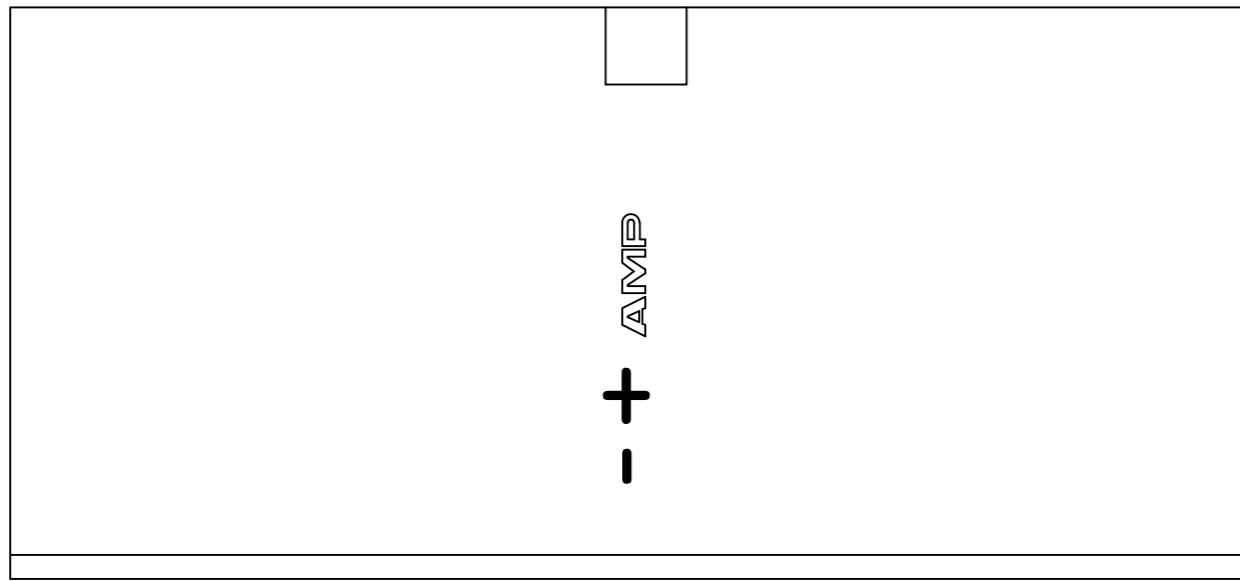
- Packaging Method = Bag

#### Other:

- Brand = AMP

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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
CM	00	C1	REVISED PER ECO-11-004587		11MAR11	RK	HMR



1 NYLON, UL94V-2, NATURAL.

51.6	46.2	24	2-1586000-4
47.4	42.0	22	2-1586000-2
43.2	37.8	20	2-1586000-0
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34.8	29.4	16	1-1586000-6
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26.4	21.0	12	1-1586000-2
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18.0	12.6	8	1586000-8
13.8	8.4	6	1586000-6
9.6	4.2	4	1586000-4
5.4	--	2	1586000-2
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 K. WHITAKER 25-FEB-2002 CHK D. COLEY 25-FEB-2002 APVD D. COLEY 25-FEB-2002 PRODUCT SPEC APPLICATION SPEC WEIGHT CUSTOMER DRAWING	NAME TE Connectivity FREE HANGING PLUG HOUSING, VAL-U-LOK(TM) SIZE A2 CAGE CODE 00779 DRAWING NO C=1586000 RESTRICTED TO - SCALE 1:1 SHEET 1 of 1 REV C1
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