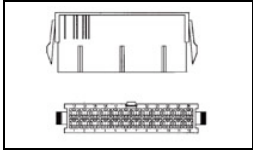


1586018-8 Product Details

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1586018-8

TE Internal Number: 1586018-8

Active

[View 3D PDF](#)

VAL-U-LOK Series Connector System

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Wire-to-Panel, Wire-to-Wire, Wire-to-Panel / 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:

- [PANEL MOUNT 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 A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

[List all Documents](#)

Related Products:

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

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]) = 18.00 [0.7087]
- Width (Z-Axis) (mm [in]) = 20.00 [0.787]
- Profile Height (Y-Axis) (mm [in]) = 9.80 [0.386]

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 = 8
- 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-Panel, Wire-to-Wire, Wire-to-Panel / Wire-to-Wire
- Contact Transmits (Typical Application) = Signal (Data)
- Pick and Place Cover = Without

Packaging Features:

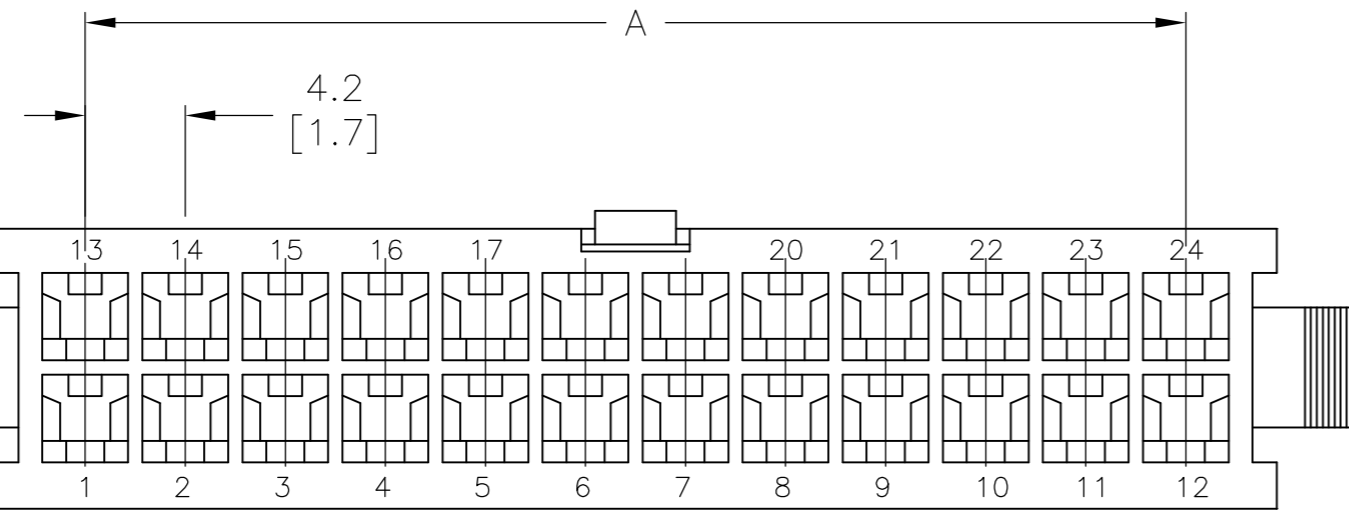
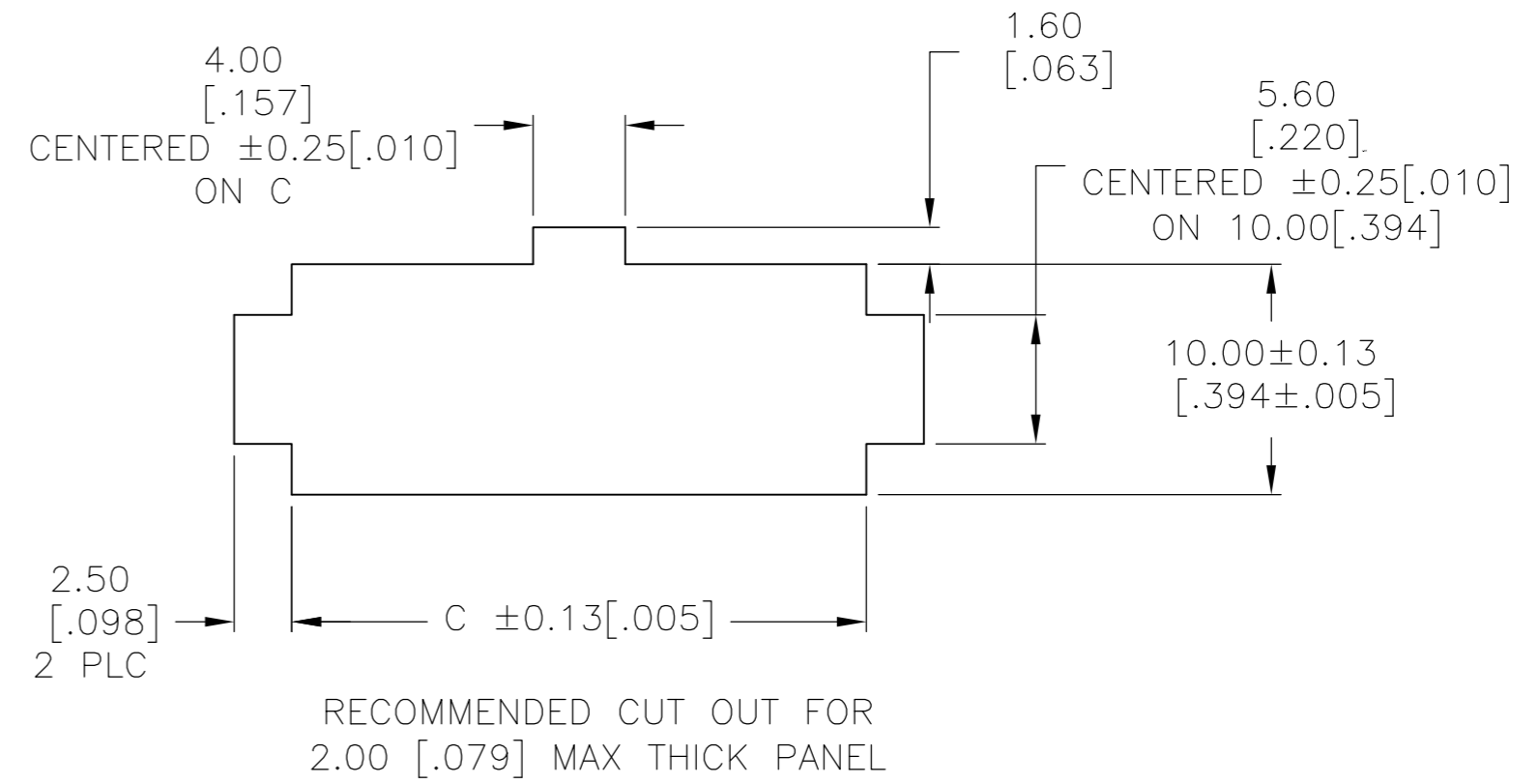
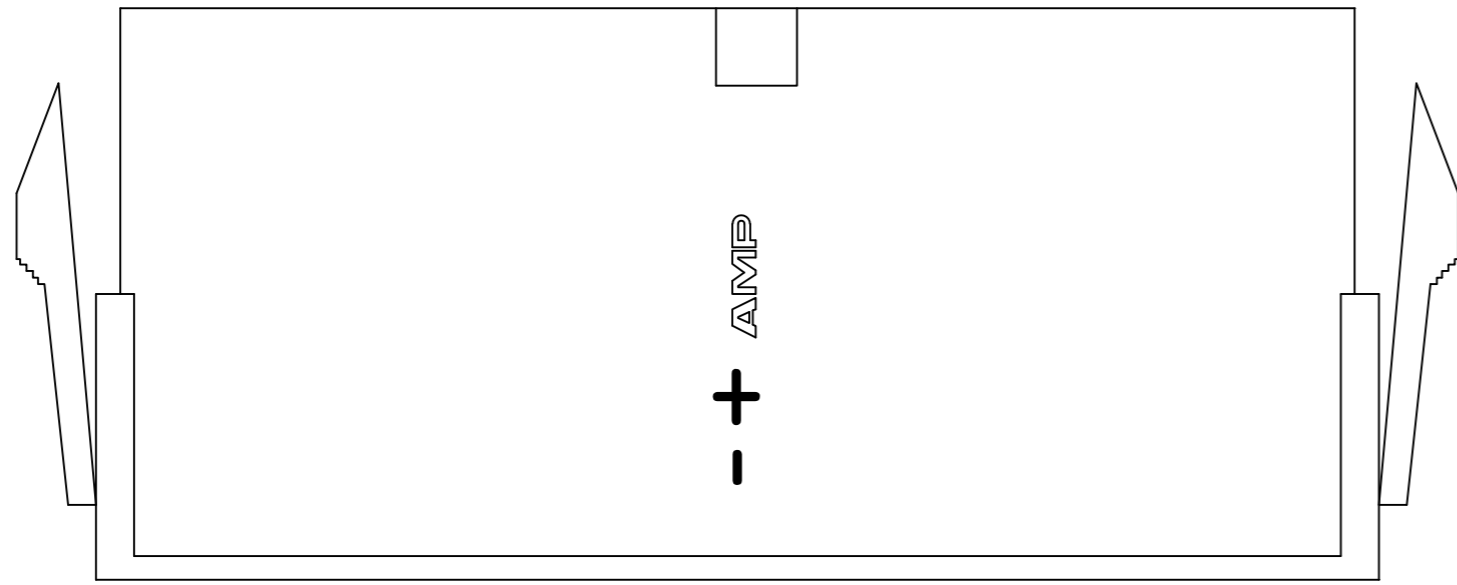
- Packaging Method = Bag

Other:

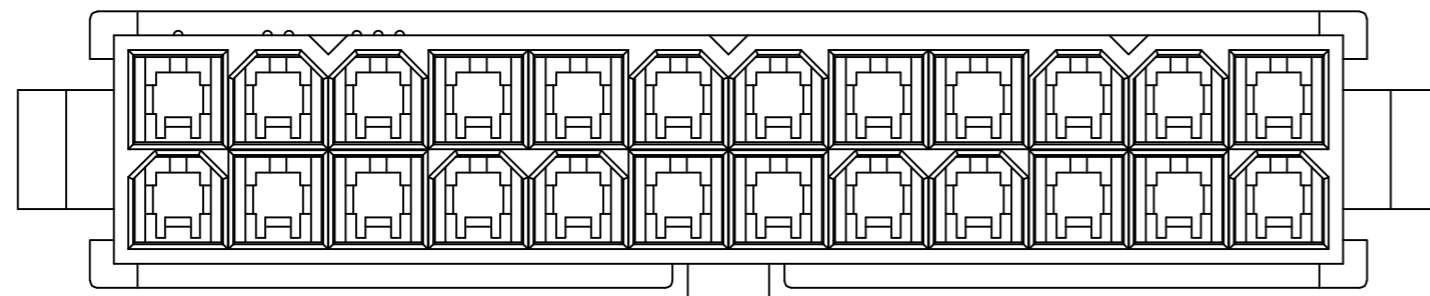
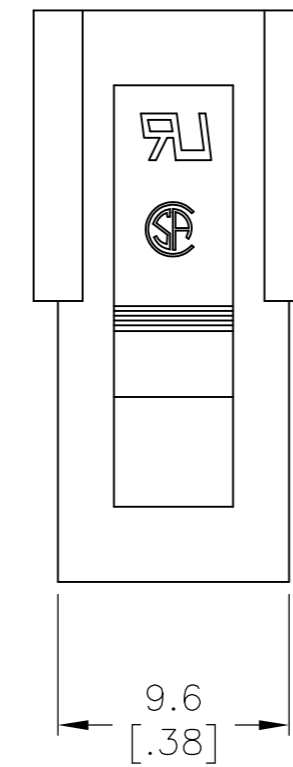
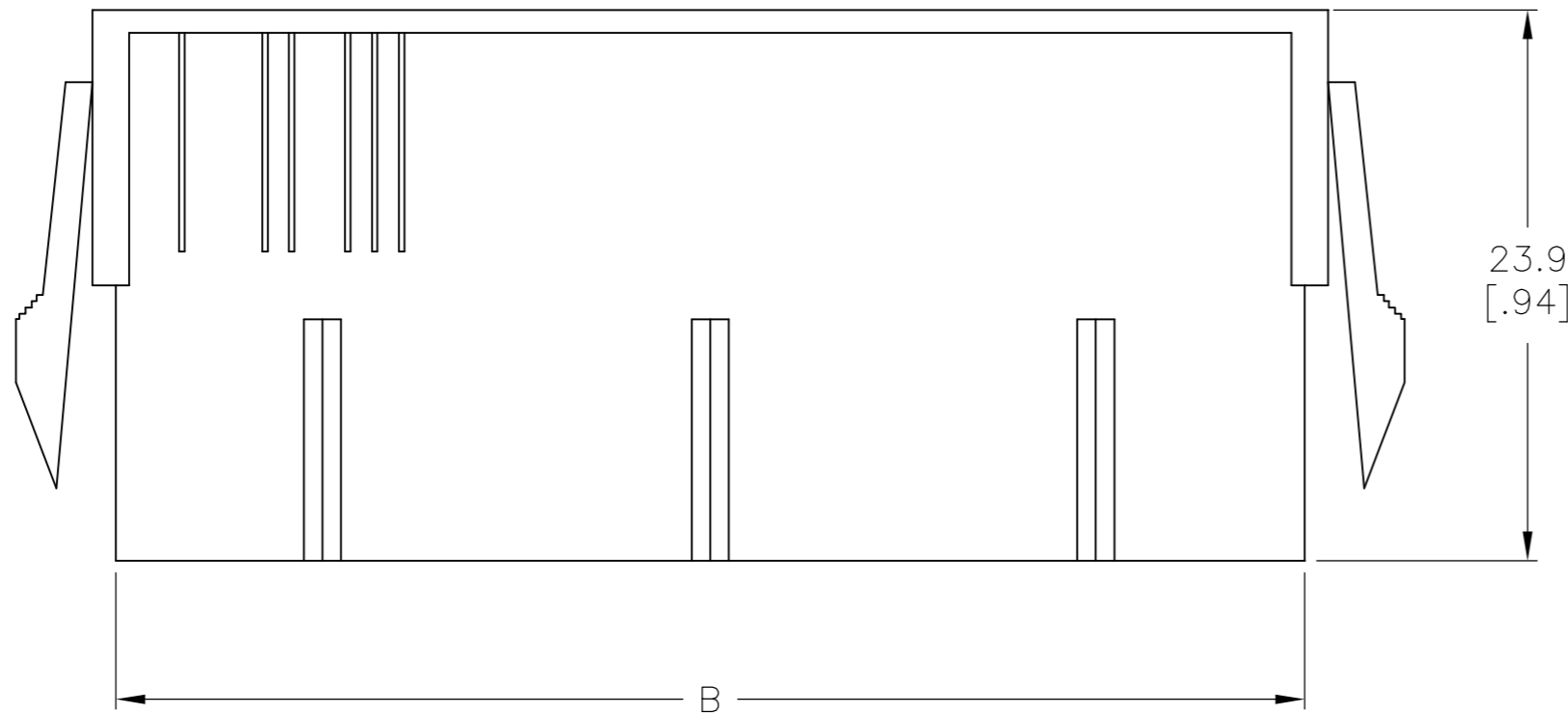
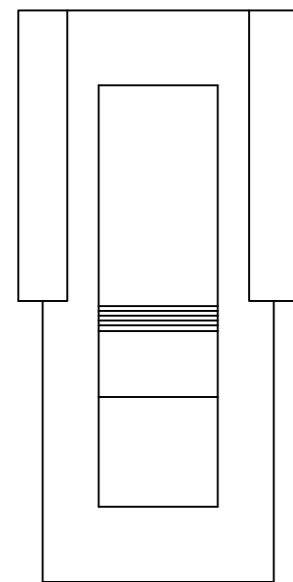
- Brand = AMP

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| LOC | | DIST | | REVISIONS | | | |
|-----|-----|-------------|---------------------------|-----------|-----|------|--|
| P | LTR | DESCRIPTION | | DATE | DWN | APVD | |
| CM | 00 | B1 | REVISED PER ECO-11-004820 | 11MAR11 | RK | HMR | |



- 1 NYLON, UL94V-0.
- 2 PANEL MUST BE PUNCHED SO THAT THE HOUSING ENTERS THE PANEL IN THE SAME DIRECTION AS THE PUNCH.



| | | | | |
|--------------|--------------|------------|-----|-------------|
| 52.00[2.047] | 51.60[2.031] | 46.2[1.82] | 24 | 2-1586018-4 |
| 47.80[1.882] | 47.40[1.866] | 42.0[1.65] | 22 | 2-1586018-2 |
| 43.60[1.717] | 43.20[1.701] | 37.8[1.49] | 20 | 2-1586018-0 |
| 39.40[1.551] | 39.00[1.535] | 33.6[1.32] | 18 | 1-1586018-8 |
| 35.20[1.386] | 34.80[1.370] | 29.4[1.16] | 16 | 1-1586018-6 |
| 31.00[1.220] | 30.60[1.205] | 25.2[.99] | 14 | 1-1586018-4 |
| 26.80[1.055] | 26.40[1.039] | 21.0[.83] | 12 | 1-1586018-2 |
| 22.60[.889] | 22.20[.874] | 16.8[.66] | 10 | 1-1586018-0 |
| 18.40[.724] | 18.00[.709] | 12.6[.50] | 8 | 1586018-8 |
| 14.20[.559] | 13.80[.543] | 8.4[.33] | 6 | 1586018-6 |
| 10.00[.394] | 9.60[.378] | 4.2[.17] | 4 | 1586018-4 |
| 5.80[.223] | 5.40[.213] | -- | 2 | 1586018-2 |
| DIM C | DIM B | DIM A | POS | PART NUMBER |

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 | ± - |

MATERIAL 1

TE Connectivity

PANEL MOUNT PLUG HOUSING, VO, VAL-U-LOK(TM)

SIZE A2 CAGE CODE 00779 DRAWING NO C=1586018 RESTRICTED TO -

CUSTOMER DRAWING SCALE SHEET 1 OF 1 REV B1

1586018