TE connectivity

🛒 My Cart | My Part Lists | Sign In/Register   English (Change)

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
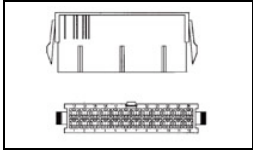
2-1586018-4 Product Details

➕ Share   🖨 Print   ✉ Email

2-1586018-4

TE Internal Number: 2-1586018-4

✔ 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)

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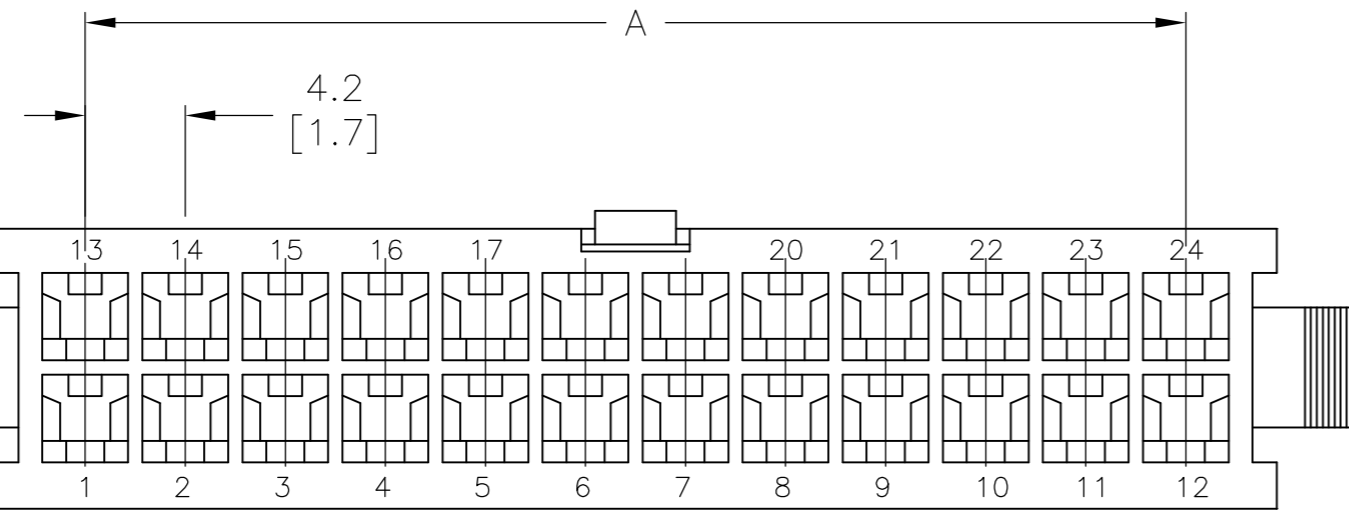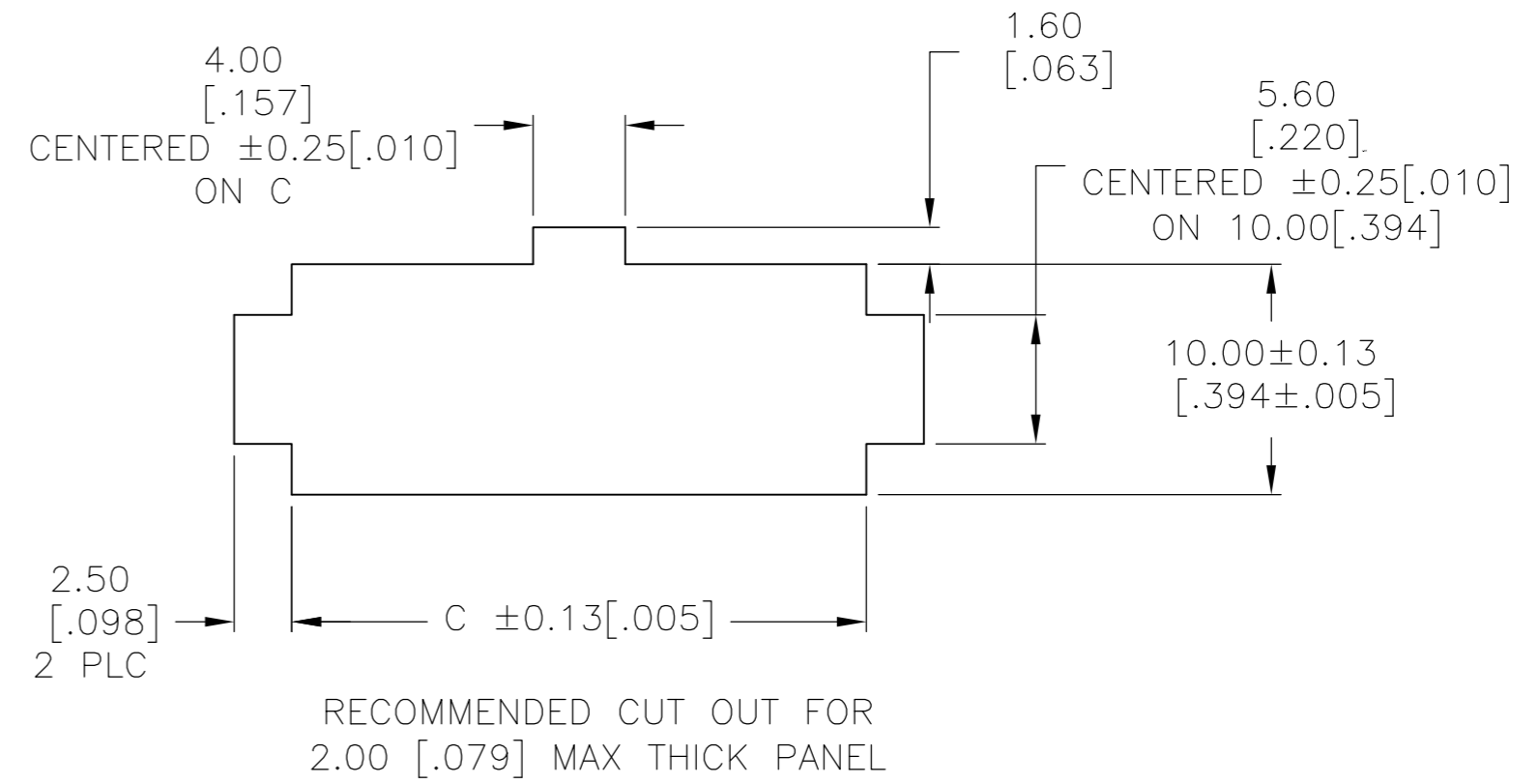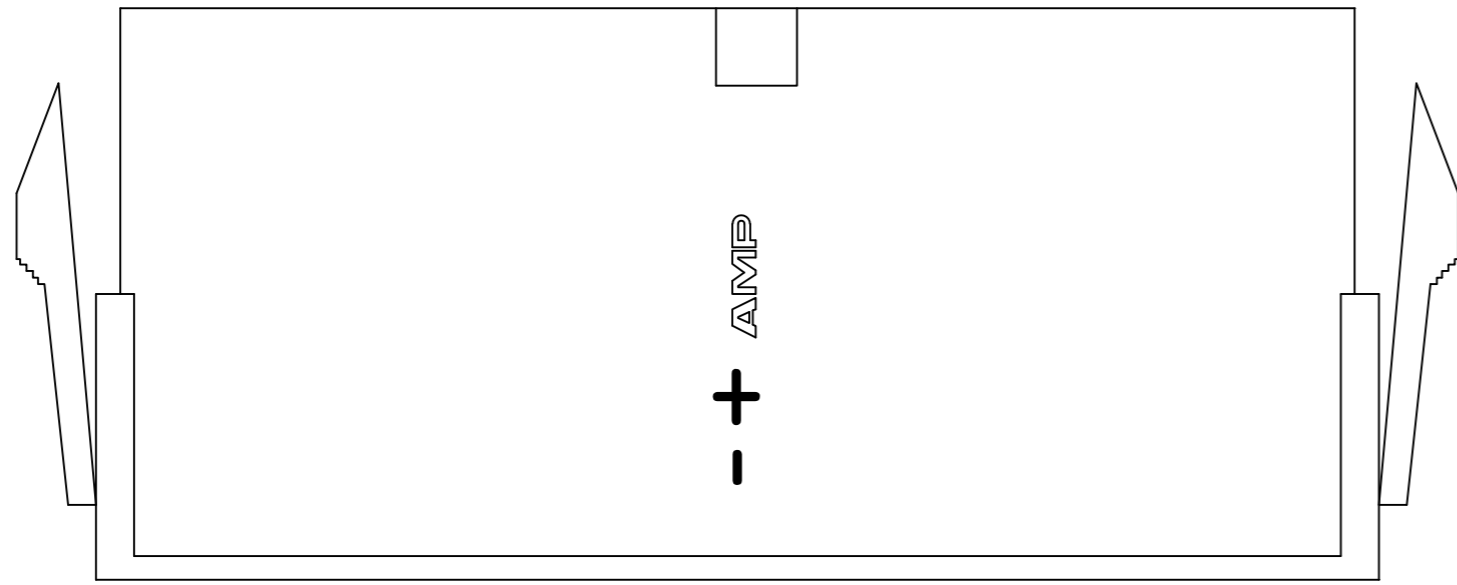- Pick and Place Cover = Without

**Packaging Features:**
- Packaging Method = Bag

Other:
- Brand = AMP

THIS DRAWING IS UNPUBLISHED.
RELEASED FOR PUBLICATION — . — .

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

AMP

+
−

4.00
[.157]
CENTERED ±0.25[.010]
ON C

1.60
[.063]

5.60
[.220]
CENTERED ±0.25[.010]
ON 10.00[.394]

10.00±0.13
[.394±.005]

2.50
[.098]
2 PLC

C ±0.13[.005]

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

A

4.2
[1.7]

13 14 15 16 17   20 21 22 23 24
1 2 3 4 5 6 7 8 9 10 11 12

△1   NYLON, UL94V-V0.

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

B

23.9
[.94]

9.6
[.38]

1586018
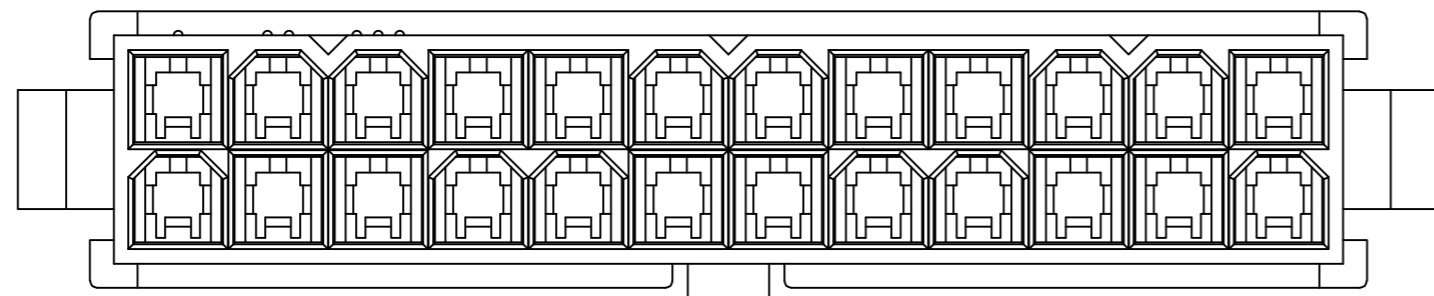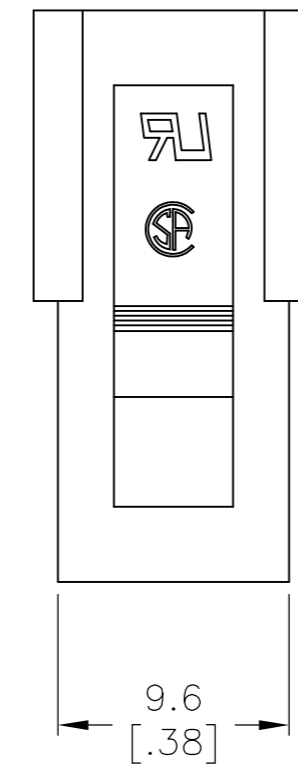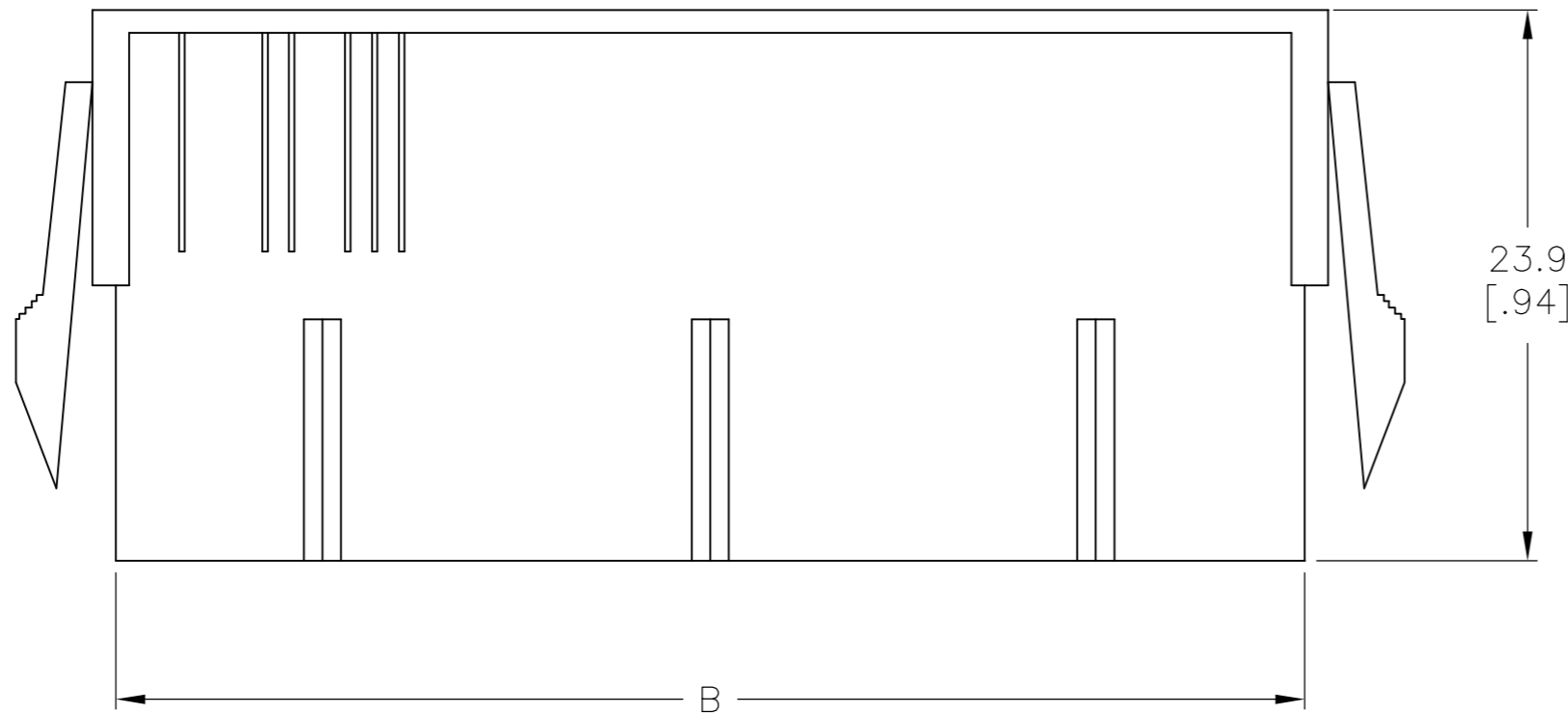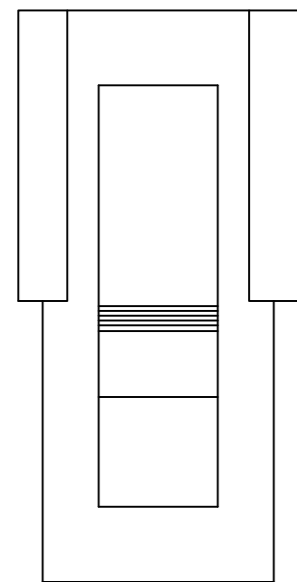
DIM C	DIM B	DIM A	POS	PART NUMBER
52.00[2.047]	51.60[2.031]	46.2[1.82]	24	2-1586018-4
47.80[1.882]	47.40[1.866]	42.0[1.65]	22	2-1586018-2
43.60[1.717]	43.20[1.701]	37.8[1.49]	20	2-1586018-0
39.40[1.551]	39.00[1.535]	33.6[1.32]	18	1-1586018-8
35.20[1.386]	34.80[1.370]	29.4[1.16]	16	1-1586018-6
31.00[1.220]	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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	S. HAMM	31-JUL-2002
CHK	D. COLEY	31-JUL-2002
APVD	D. COLEY	31-JUL-2002

≡TE   TE Connectivity

NAME
PANEL MOUNT PLUG HOUSING,
V0, VAL-U-LOK(TM)

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 ± —

PRODUCT SPEC

APPLICATION SPEC

MATERIAL △1

FINISH

WEIGHT

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

CUSTOMER DRAWING

SCALE

SHEET 1 of 1

REV B1

1471-9 (3/11)