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?

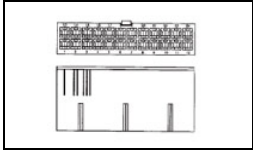Products | Industries | Resources | About TE | My Account | Innovation | Support Center

2-1586000-0 Product Details

Share   Print   Email

2-1586000-0

TE Internal Number: 2-1586000-0

✔ 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

Add to My Part List   Request Sample   Find Similar Products   Buy Product

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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:
- None Available

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]) = 43.20 [1.700]
- 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-2

Configuration Features:
- Number of Positions = 20
- 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)
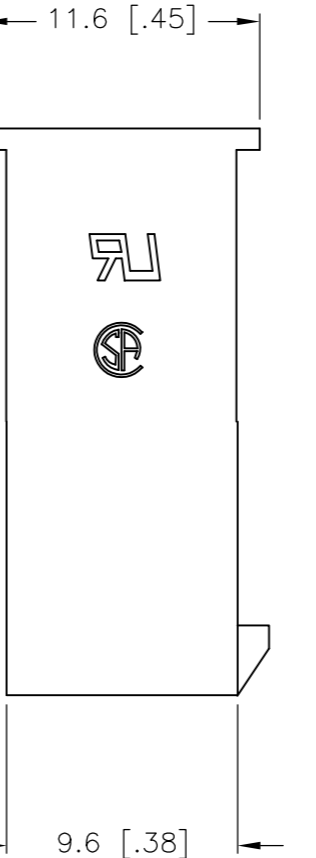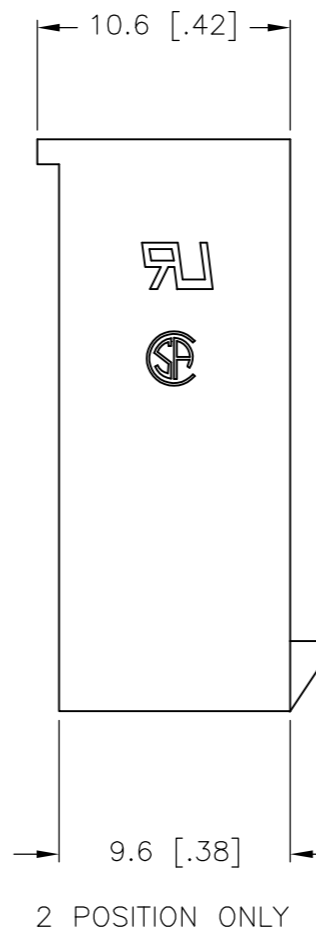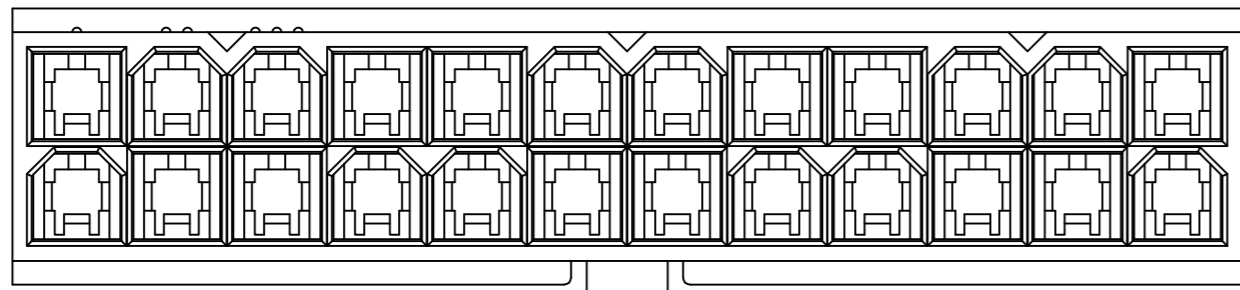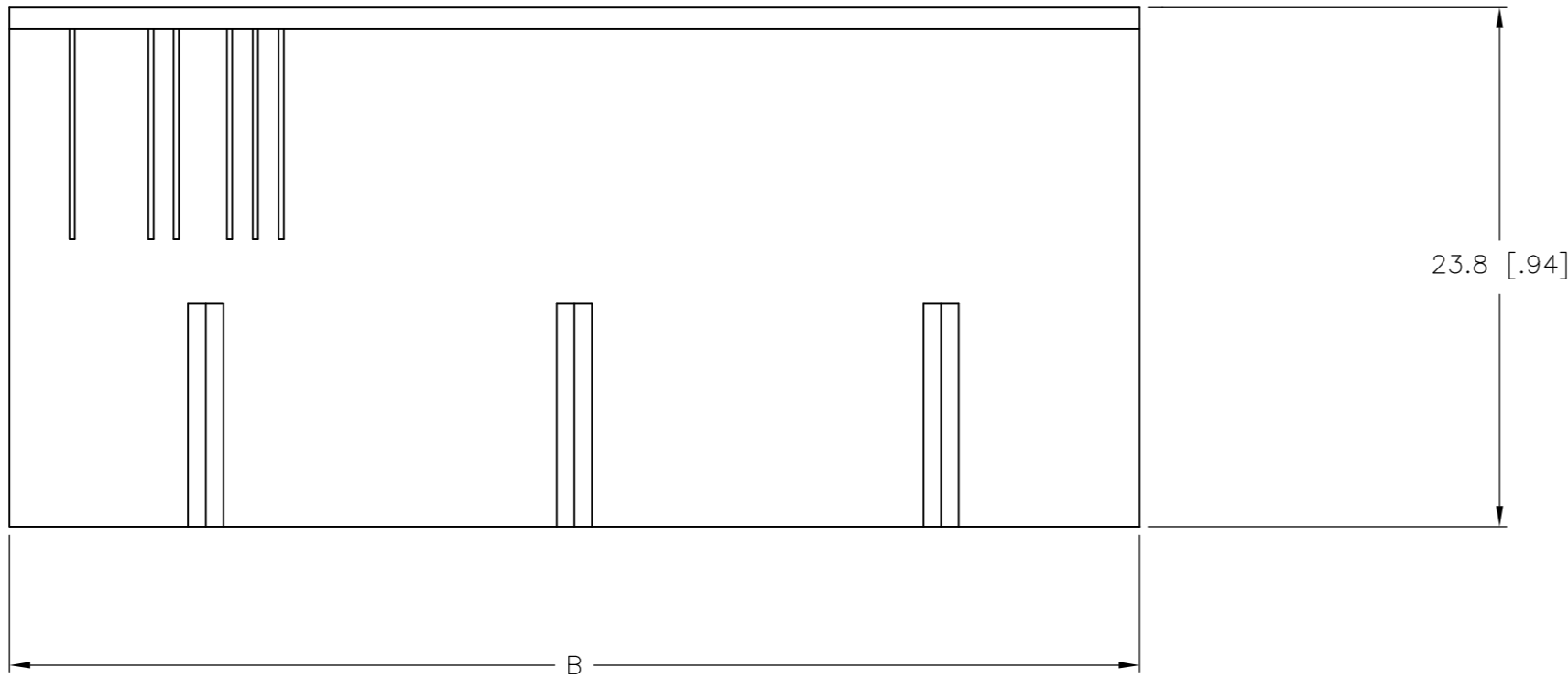- Pick and Place Cover = Without

Packaging Features:
- Packaging Method = Bag

Other:
- Brand = AMP

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

AMP

+
—

10.6 [.42]

9.6 [.38]

2 POSITION ONLY

/1\ NYLON, UL94V-2, NATURAL.

A

4.2 [.17]

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

11.6 [.45]

23.8 [.94]

B

1586000

9.6 [.38]
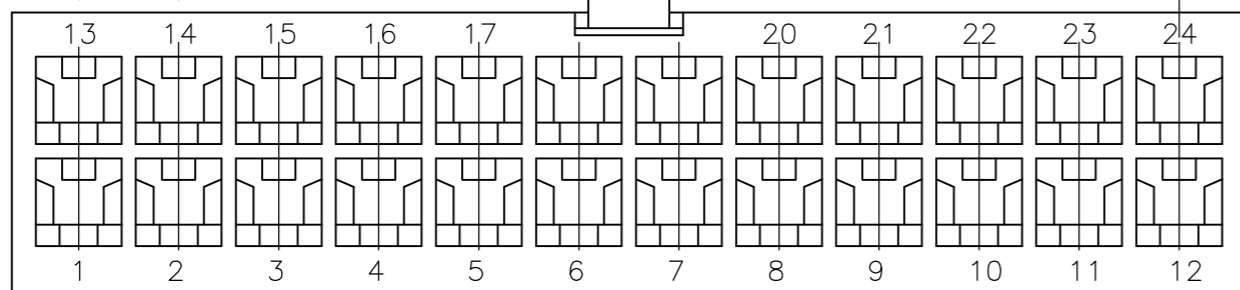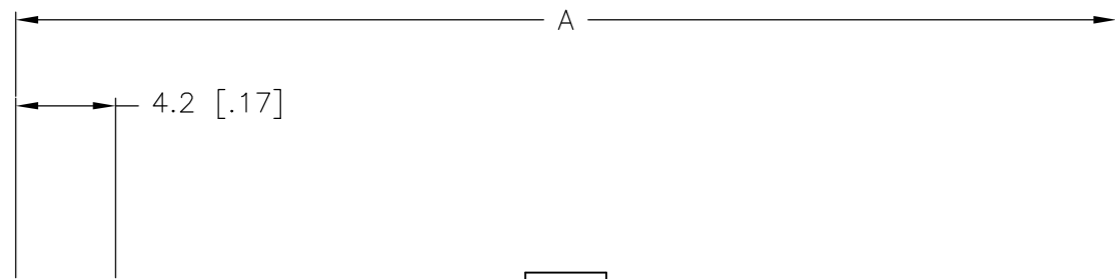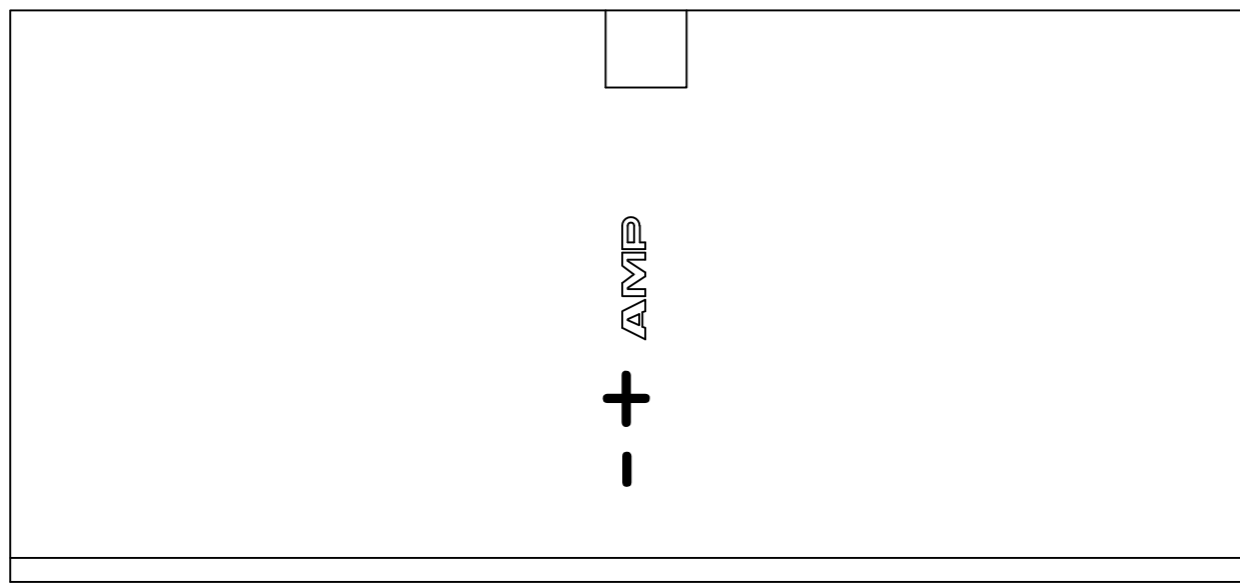
DIM B	DIM A	POS	PART NUMBER
51.6	46.2	24	2-1586000-4
47.4	42.0	22	2-1586000-2
43.2	37.8	20	2-1586000-0
39.0	33.6	18	1-1586000-8
34.8	29.4	16	1-1586000-6
30.6	25.2	14	1-1586000-4
26.4	21.0	12	1-1586000-2
22.2	16.8	10	1-1586000-0
18.0	12.6	8	1586000-8
13.8	8.4	6	1586000-6
9.6	4.2	4	1586000-4
5.4	——	2	1586000-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	K. WHITAKER	25-FEB-2002
CHK	D. COLEY	25-FEB-2002
APVD	D. COLEY	25-FEB-2002

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   FINISH
/1\

WEIGHT

≡TE   TE Connectivity

NAME
FREE HANGING PLUG HOUSING,
VAL-U-LOK(TM)

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-1586000		—

METRIC

CUSTOMER DRAWING

SCALE 1:1	SHEET 1 of 1	REV C1