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**

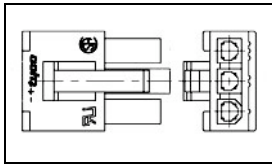# 1586027-4 Product Details

Share   Print   Email

1586027-4

TE Internal Number: 1586027-4

✔ Active

📄 View 3D PDF

VAL-U-LOK Series Connector System

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Wire-to-Board, Wire-to-Board / Wire-to-Wire, 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

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Documentation & Additional Information

Product Drawings:
- RECEPTACLE, SINGLE ROW, VAL-U-LOK(TM) (PDF, English)

Catalog Pages/Data Sheets:
- VAL-U-LOK_SINGLE_ROW_HEADERS (PDF, English)
- 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 D)
- 3D Model (IGES, Version D)
- 3D Model (STEP, Version D)

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]) = 18.00 [0.7087]
- Width (Z-Axis) (mm [in]) = 19.80 [0.779]
- Profile Height (Y-Axis) (mm [in]) = 7.50 [0.295]

Body Features:
- Mating Retention = With
- Selectively Loaded = No

Contact Features:
- Contact Type = Socket
- Contact Design = Dual Beam

Configuration Features:
- Number of Positions = 4
- Number of Rows = 1

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-Board, Wire-to-Board / Wire-to-Wire, Wire-to-Wire
- Contact Transmits (Typical Application) = Signal (Data)
- Pick and Place Cover = Without
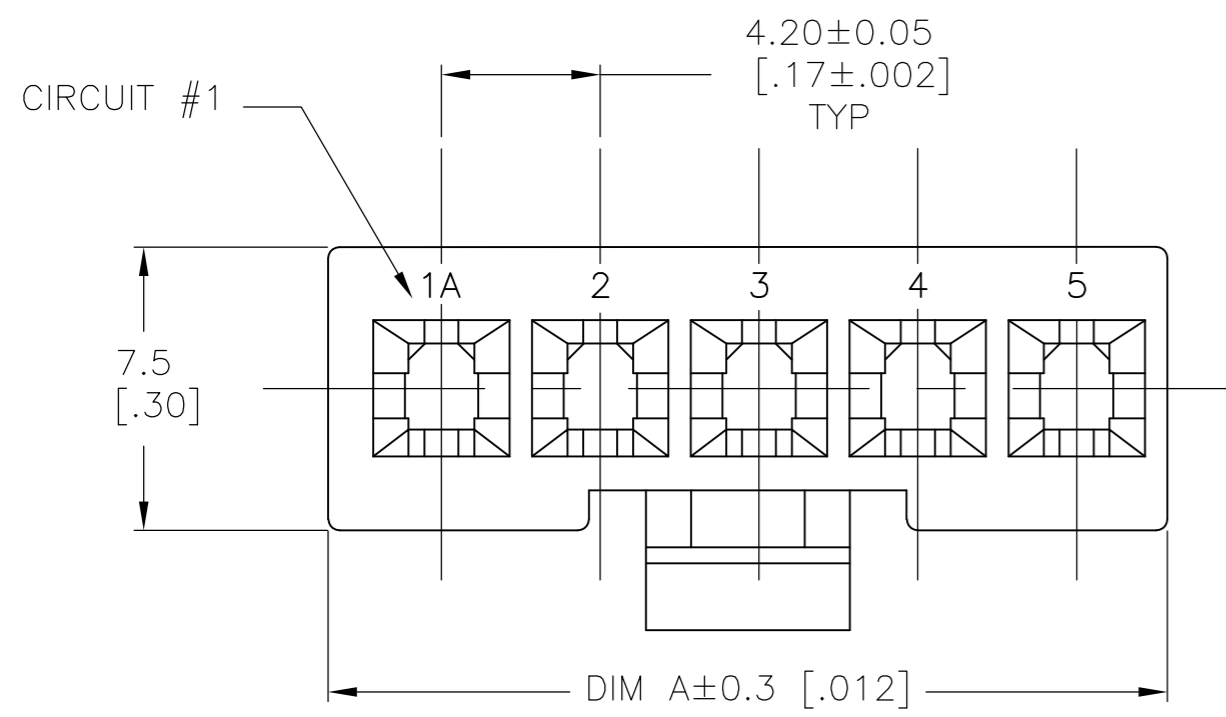
Packaging Features:
- Packaging Method = Bag
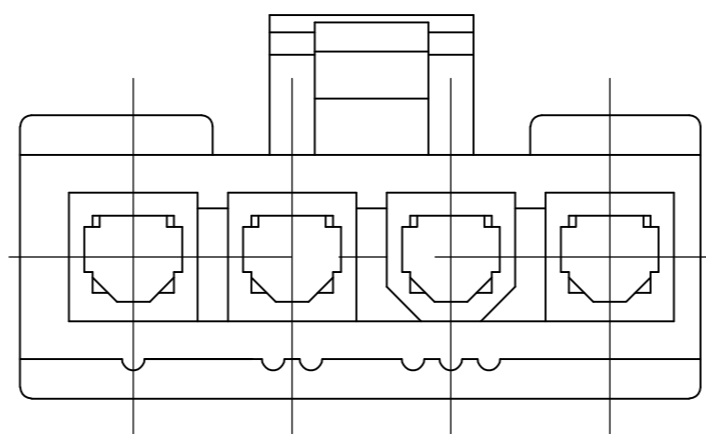
Other:
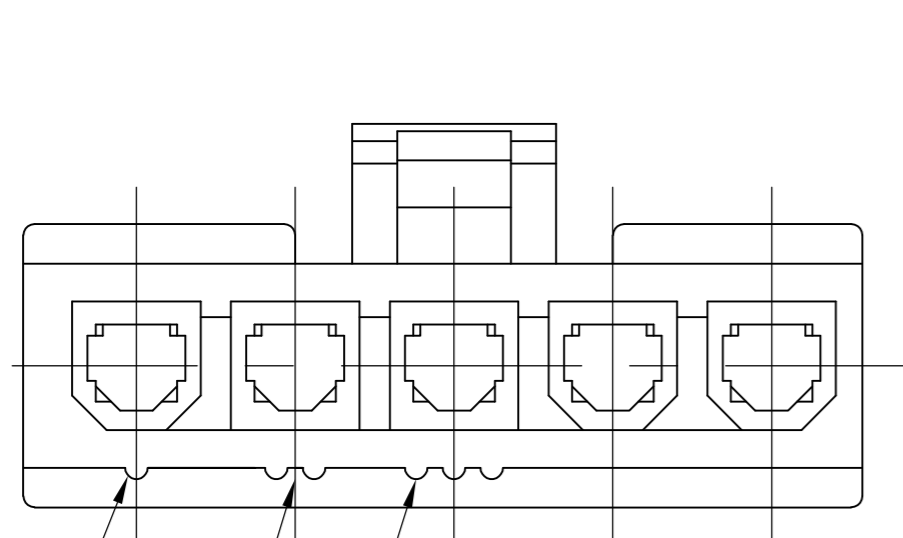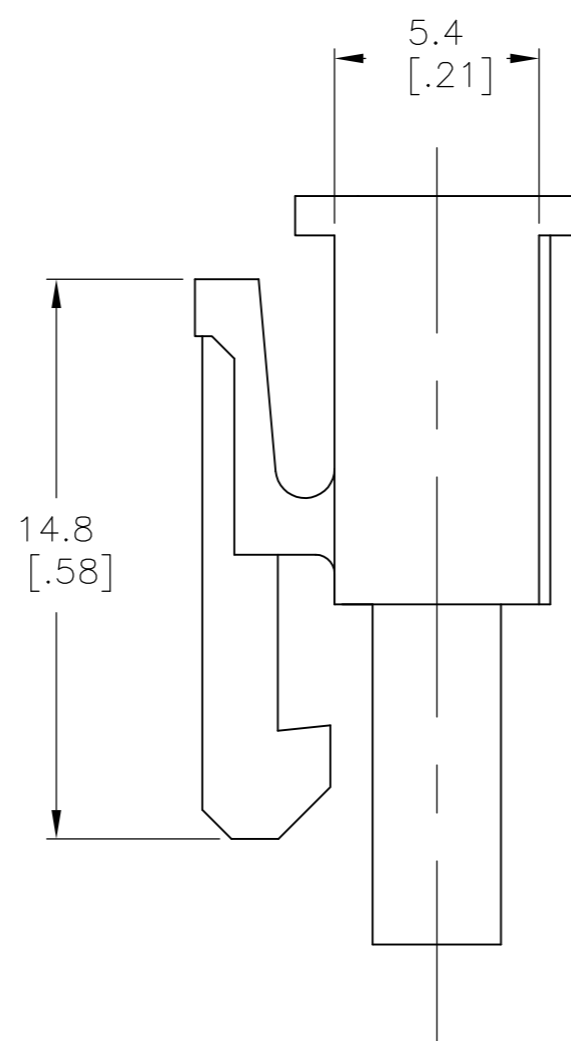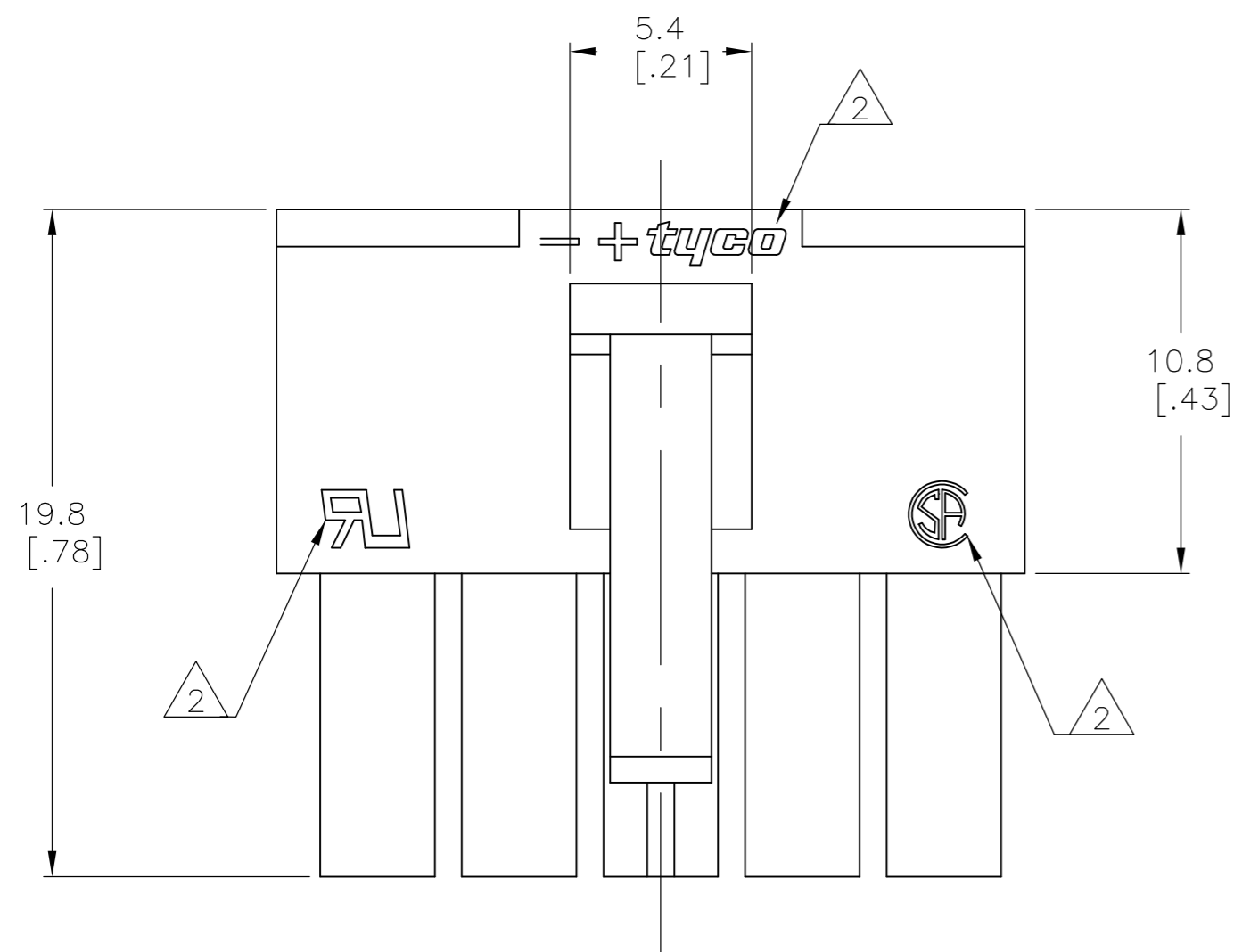- Brand = AMP

Housing Features:
- Connector Style = Receptacle
- Centerline (mm [in]) = 4.20 [0.165]
- Mating Alignment = With
- Mating Alignment Type = Keyed
- Housing Color = Natural
- UL Flammability Rating = UL 94V-0

LOC	DIST	REVISIONS					
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			E	REVISED PER ECO-08-031188	06JAN09	HMR	CC

CIRCUIT #1

4.20±0.05
[.17±.002]
TYP

1A   2   3   4   5

7.5
[.30]

DIM A±0.3 [.012]

△1 MATERIAL : NYLON 66 UL94V-0

△2 TE LOGO, UL LOGO, AND CSA LOGO-SIZE, LOCATION, AND ORIENTATION OPTIONAL.

5.4
[.21]

△2

+ tyco

10.8
[.43]

19.8
[.78]

△2   RU   CSA   △2

5.4
[.21]

14.8
[.58]

1586027

4 POSITION MATING FACE
(FOR POLARIZATION IDENTIFICATION)

1ST CIRCUIT

2ND CIRCUIT

3RD CIRCUIT

SUPERCEDED BY 2029208-4

COLOR	DIM A	POS	PART NUMBER
BLACK	18.0 [.71]	4	1-1586027-9
WHITE	22.2 [.87]	5	1586027-5
WHITE	18.0 [.71]	4	1586027-4

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	K.WHITAKER	09DEC03
CHK	D. COLEY	09DEC03
APVD	D. COLEY	09DEC03

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC   ±   –
1 PLC   ±   0.2 [.01]
2 PLC   ±   –
3 PLC   ±   –
4 PLC   ±   –
ANGLES   ±   –

PRODUCT SPEC —

APPLICATION SPEC —

MATERIAL △1

FINISH —

WEIGHT —

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
RECEPTACLE, SINGLE ROW,
VAL-U-LOK(TM)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1586027	—

CUSTOMER DRAWING

SCALE 5:1   SHEET 1 of 1   REV E

METRIC