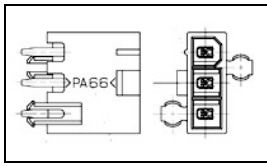


2029167-4 Product Details

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2029167-4

TE Internal Number: 2029167-4



VAL-U-LOK Series Connector System

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Glow Wire Rating = Standard Part - Not Glow Wire
- Header

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, VERTICAL, SINGLE ROW, 94V-0, W/O DRAI...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [VAL-U-LOK_SINGLE_ROW_HEADERS](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

Related Products:

- [Tooling](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Alignment = With
- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)
- 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:

- Wire/Cable Size (AWG) = 16 - 26
- Wire/Cable Size (mm²) = 0.12 - 1.4
- Termination Method to PC Board = Through Hole - Solder

Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- Tail Length (mm [in]) = 3.5 [0.138]
- Length (X-Axis) (mm [in]) = 18.00 [0.7087]
- Width (Z-Axis) (mm [in]) = 5.40 [0.213]
- Profile Height (Y-Axis) (mm [in]) = 12.80 [0.504]

Body Features:

- Header Type = Shrouded
- Mating Retention = With
- Selectively Loaded = No

Housing Features:

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

Configuration Features:

- Number of Positions = 4
- Number of Rows = 1
- Tail Orientation = In-line
- Shrouded = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = UL, CSA
- UL Rating = Recognized

Identification Marking:

- Circuit Identification Feature = With

Environmental:

- Operating Temperature (°C [°F]) = -40 - +105 [-40 - +221]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire

Operation/Application:

- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)
- Pick and Place Cover = Without

Contact Features:

- Contact Type = Pin
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Tin
- Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54 [100]
- Contact Plating, Termination Area, Material = Tin
- Contact Plating, Termination Area, Thickness (μm [μin]) = 2.54 [100]
- Contact Design = Square Post

Packaging Features:

- Packaging Method = Tray

Other:

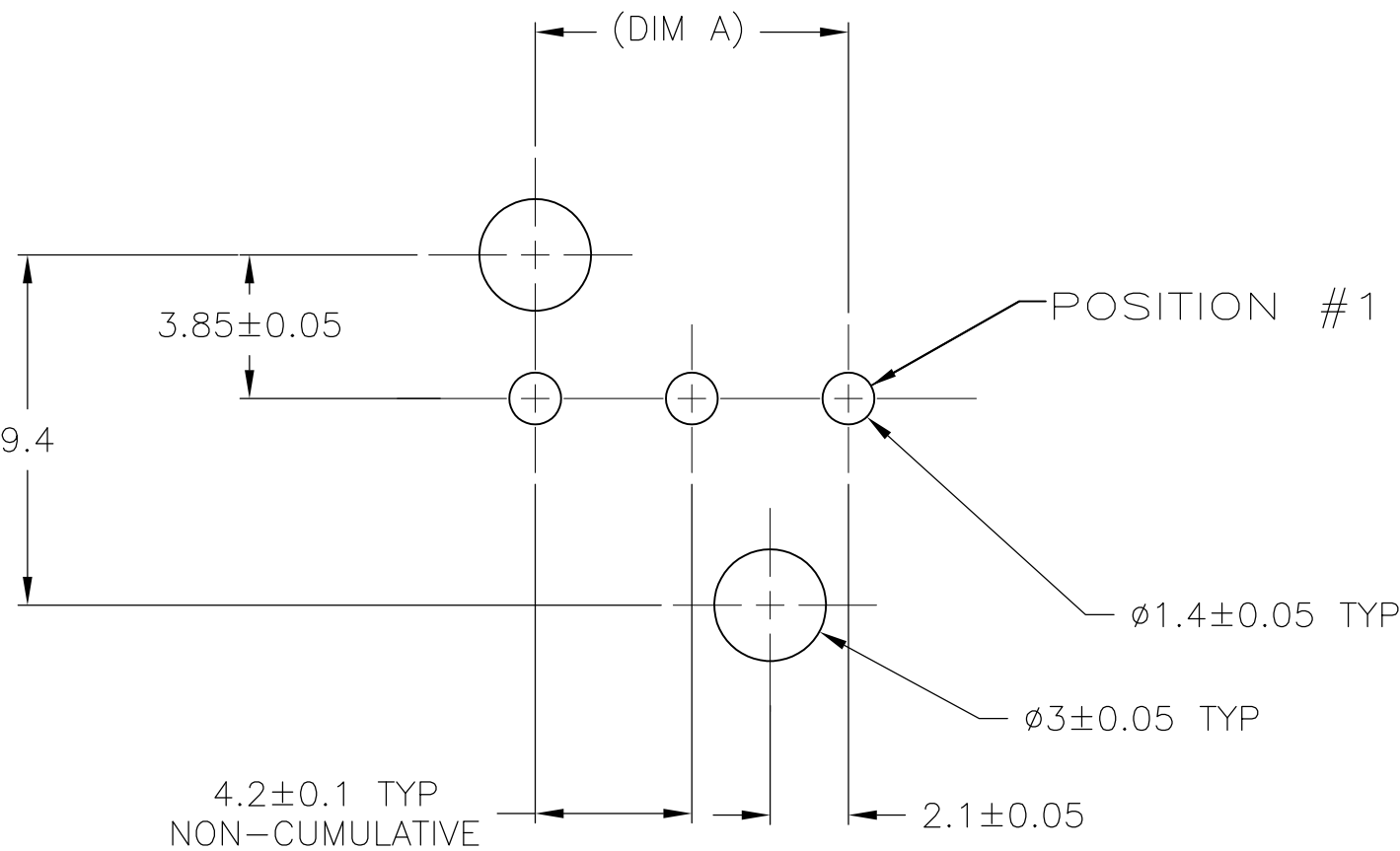
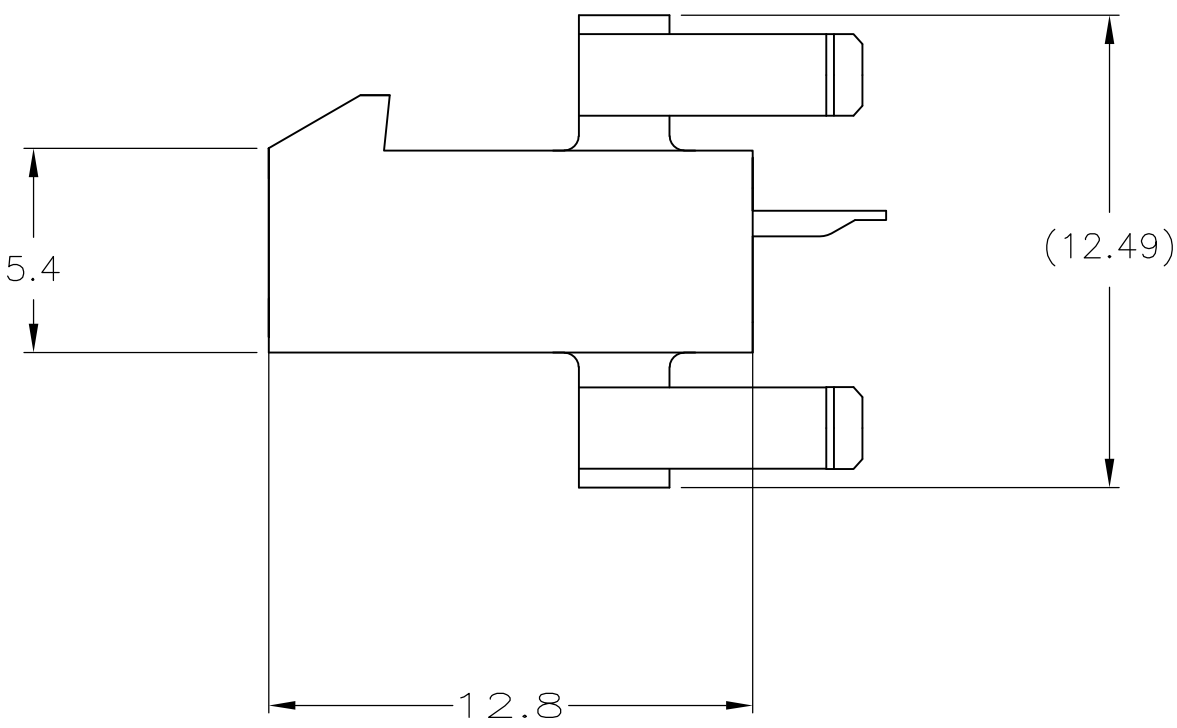
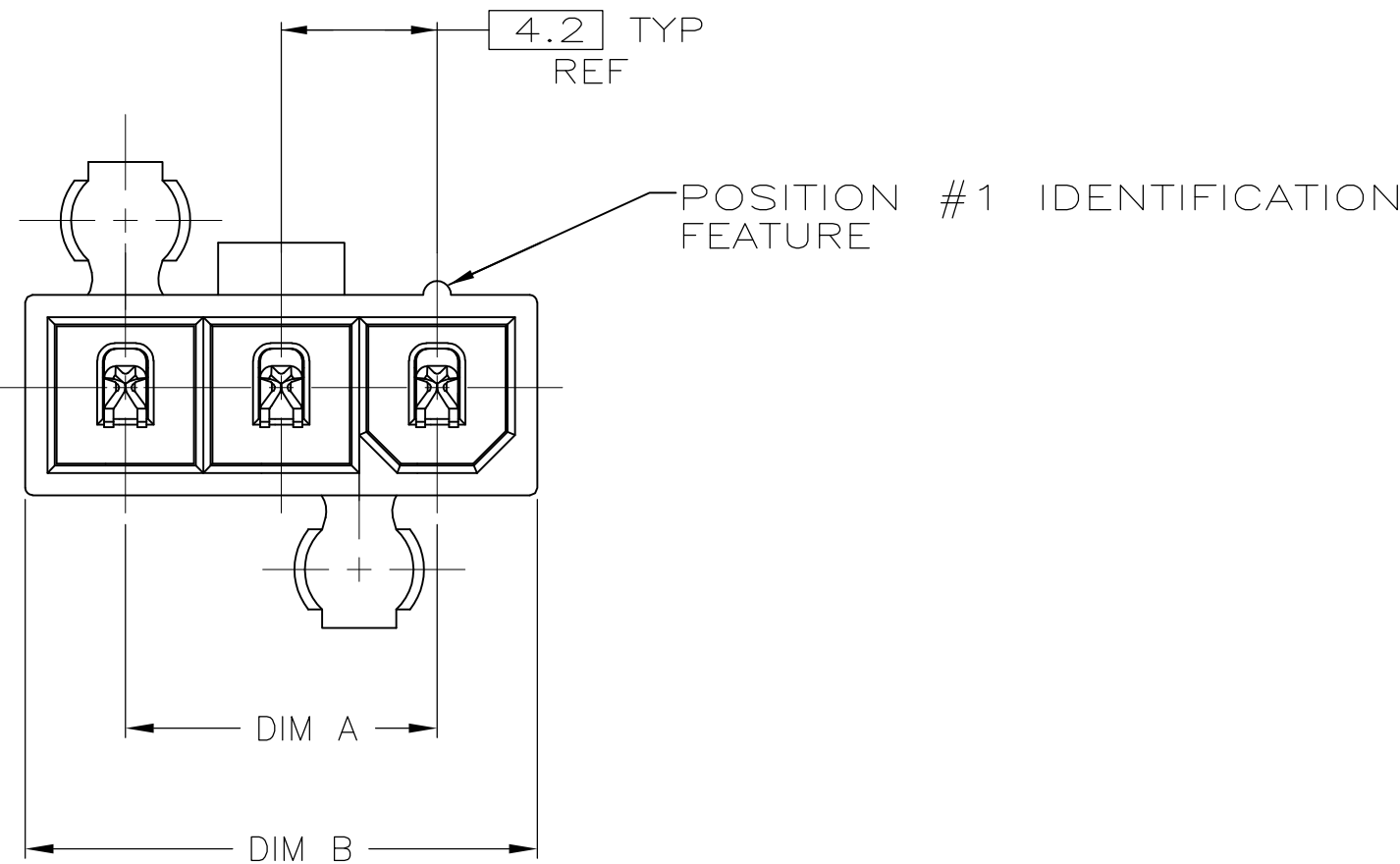
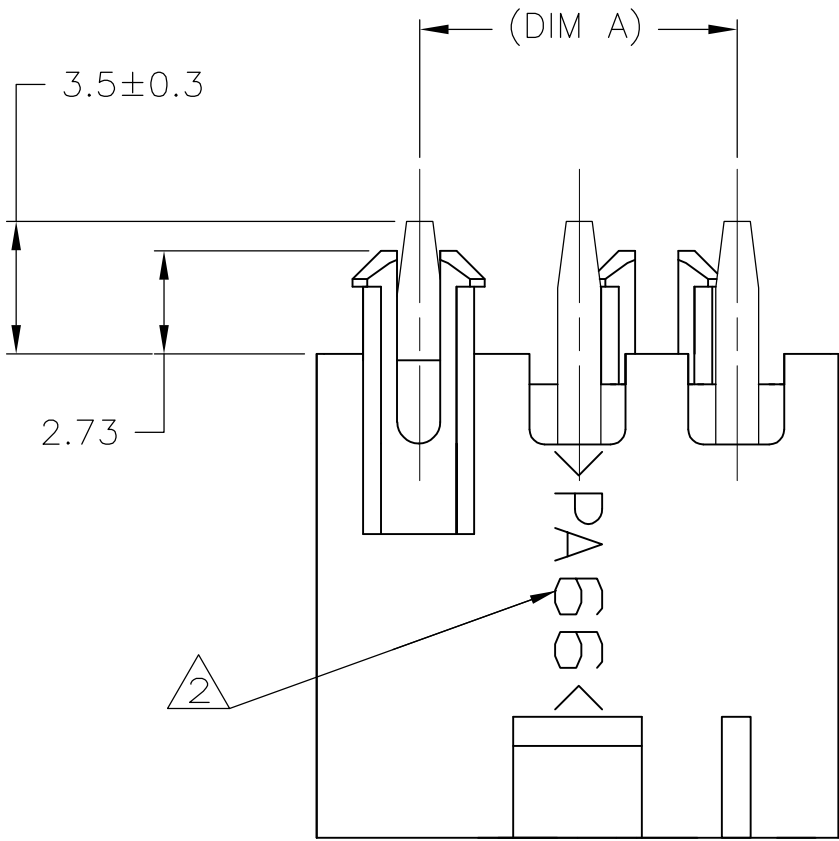
- Brand = TE Connectivity

LOC		DIST		REVISIONS					
CM	00	P	LTR	DESCRIPTION			DATE	DWN	APVD
			A	WR-08-03			01AUG2008	KW	CC

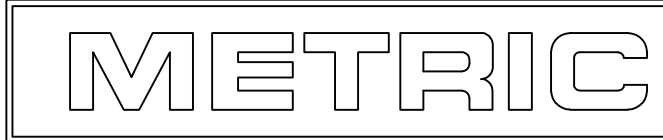
- 1

MATERIAL: HOUSING - NYLON, UL94V-0, WHITE.
CONTACTS - BRASS, TIN PLATED.
- 2

TYCO ELECTRONICS LOGO AND MATERIAL ID MAY BE LOCATED ON EITHER LONG SIDE OF PART.



RECOMMENDED MOUNTING HOLE PATTERN
FOR 1.78 MAX THICK P.C. BOARD
COMPONENT SIDE SHOWN



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN K. WHITAKER CHK C. CASH APVD C. CASH	01AUG2008 11JAN2008 11JAN2008	Tyco Electronics Corporation Harriburg, PA 17105-3608	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0. PLC ± -		1. PLC ± 0.2		PRODUCT SPEC	
2. PLC ± 0.13		3. PLC ± -		APPLICATION SPEC	
4. PLC ± -		ANGLES ± 0°30'		SIZE	
MATERIAL 1		FINISH 1		WEIGHT -	
CUSTOMER DRAWING		SCALE 5:1		SHEET 1 OF 1	
				REV A	

22.2	16.8	5	2029167-5
18	12.6	4	2029167-4
13.8	8.4	3	2029167-3
DIM B	DIM A	NO. OF POSITIONS	PART NO