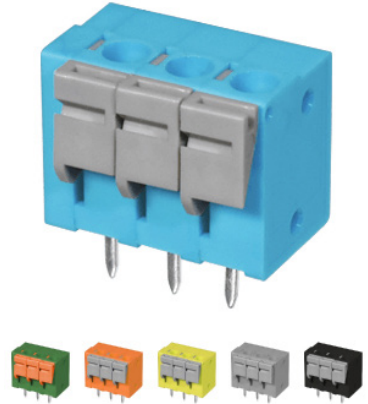


## SERIES: TBL004V-508 | DESCRIPTION: TERMINAL BLOCK

### FEATURES

- 2~24 poles
- vertical with board
- interlocking (side)
- push button clamp
- 5.08 mm pitch
- UL safety approval
- IEC 60947-7-4 compliant



### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL			300	V
	IEC			320	V
rated current (per contact)	UL			10	A
	IEC			15	A
withstanding voltage	for 1 minute		1600		Vac
surge voltage				4000	V
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	500			MΩ
operating temperature		-40		105	°C
safety approvals	UL 1059 certified, IEC 60947-7-4 compliant				
flammability rating	UL94V-0				
RoHS	yes				

### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	for maximum 5 seconds		250		°C

### PART NUMBER KEY

#### TBL004V-508 - XX XX - 2XX

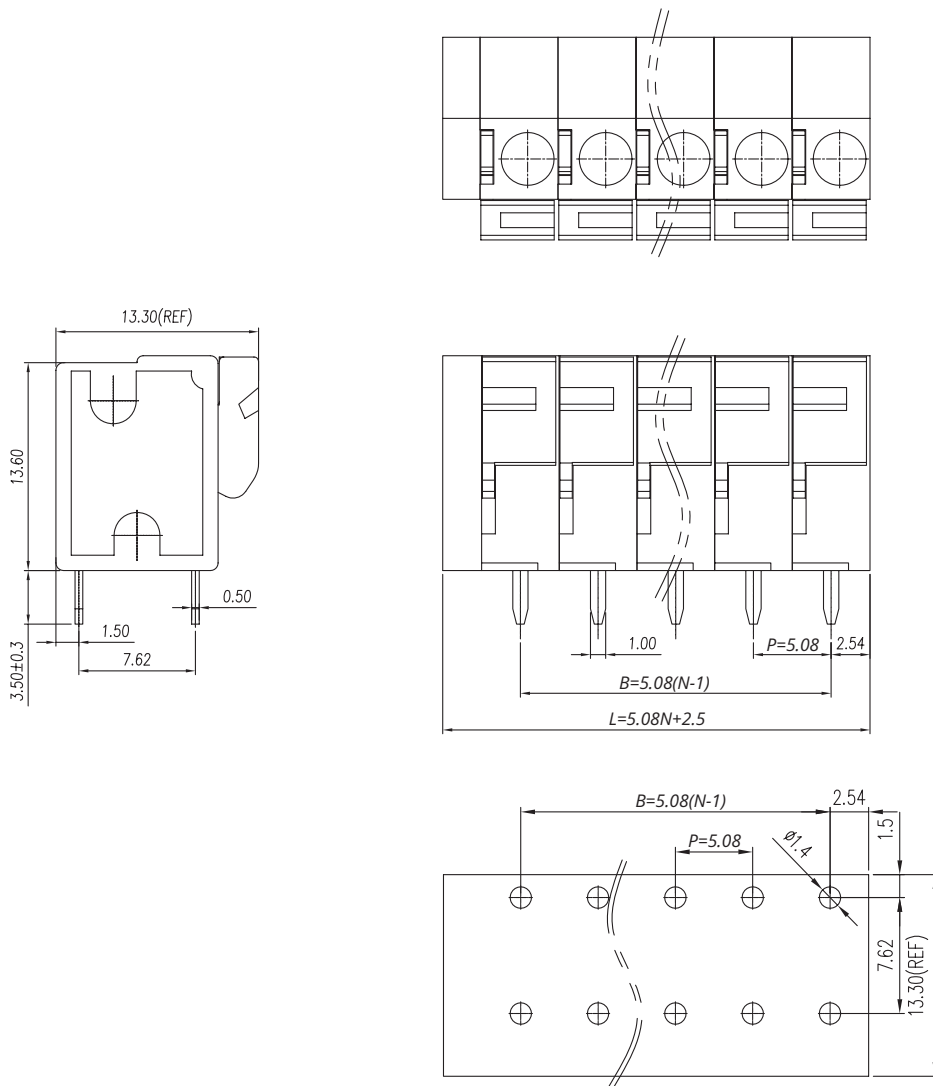
Base Number	No. of Poles:	Body Color:	Push Button Color:
02	10 18	*BE = blue	BE = blue
03	11 19	GR = green	GR = green
04	12 20	OR = orange	OR = orange
05	13 21	YL = yellow	YL = yellow
06	14 22	GY = gray	*GY = gray
07	15 23	BK = black	BK = black
08	16 24		WT = white
09	17		

\*Standard housing color is blue with gray push button. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 $X \leq 6.00$ :  $\pm 0.20$  mm  
 $6.00 < X \leq 10.00$ :  $\pm 0.30$  mm  
 $10.00 < X \leq 30.00$ :  $\pm 0.50$  mm  
 $30.00 < X \leq 60.00$ :  $\pm 0.70$  mm  
 $60.00 < X \leq 100.00$ :  $\pm 1.00$  mm  
 $100.00 < X \leq 160.00$ :  $\pm 1.30$  mm  
 $X > 160.00$ :  $\pm 1.60$  mm  
 unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin



WIRE ASSEMBLY		
	UL	IEC
Wire Range	24~14 AWG	0.2~1.5 mm <sup>2</sup>
Strip Length	10 mm	

### P.C.B. LAYOUT

This series is constructed of 1 pole modules where L is the total length, P is the pitch, and N is the number of poles.												
N	02	03	04	05	06	07	08	09	10	11	12	13
L	12.66	17.74	22.82	27.90	32.98	38.06	43.14	48.22	53.30	58.38	63.46	68.54
B	5.08	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96
N	14	15	16	17	18	19	20	21	22	23	24	--
L	73.62	78.70	83.78	88.86	93.94	99.02	104.10	109.18	114.26	119.34	124.42	--
B	66.04	71.12	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	--

## REVISION HISTORY

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rev.	description	date
1.0	initial release	08/13/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/20/2020

The revision history provided is for informational purposes only and is believed to be accurate.

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# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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