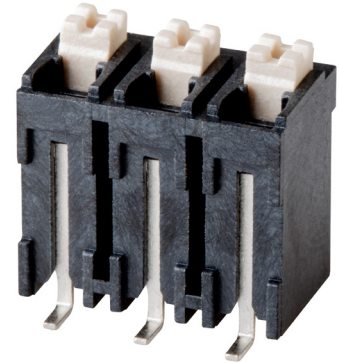


**SERIES:** TBLH12V-500 | **DESCRIPTION:** TERMINAL BLOCK

**FEATURES**

- 2-12 poles
- high temperature housing
- push button clamp
- 5.00 mm pitch
- UL safety approval
- IEC 60947-7-4 compliant


**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (UL)	Use Group: B, D			300	V
rated current (UL)	Use Group: B, D			10	A
rated voltage (IEC)	Overvoltage Category/Pollution Degree: III/3 III/2 II/2			250	V
				320	V
				500	V
rated current (IEC)	Overvoltage Category/Pollution Degree: III/3, III/2, II/2			17.5	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		130	°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
reflow soldering	for maximum 10 seconds		285		°C

**PART NUMBER KEY**
**TBLH12V - 500 - XX BK**

Base Number

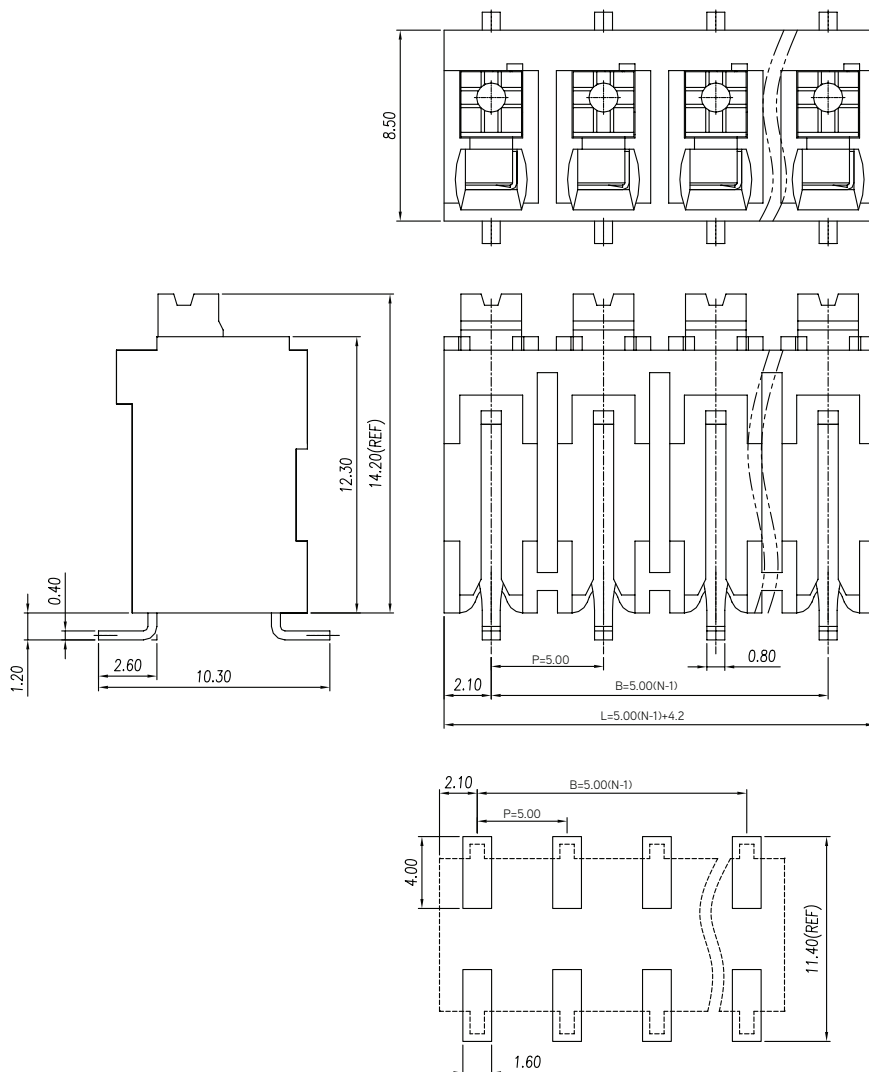
No. of Poles:

 02 08  
 03 09  
 04 10  
 05 11  
 06 12  
 07

## 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	LCP (UL94V-0)	black
push button	LCP (UL94V-0)	white
contacts	copper alloy	tin



WIRE ASSEMBLY		
	UL	IEC
Wire Range	24~16 AWG	0.2~1.5 mm <sup>2</sup>
Strip Length	7~8 mm	

Recommended PCB Layout  
Top View

This series is constructed of single piece 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
L	9.20	14.20	19.20	24.20	29.20	34.20	39.20	44.20	49.20	54.20	59.20
B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00

## REVISION HISTORY

rev.	description	date
1.0	initial release	07/06/2023

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



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

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

[cuidevices.com](http://cuidevices.com)