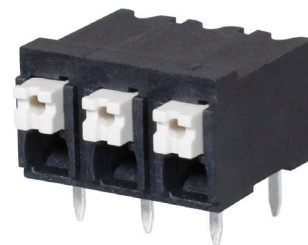


**SERIES:** TBLH10-500 | **DESCRIPTION:** TERMINAL BLOCK

**FEATURES**

- 2~24 poles
- horizontal with board
- 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 (per contact)	UL			300	V
	IEC			320	V
rated current (per contact)	UL			10	A
	IEC			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
wave soldering	for maximum 10 seconds		285		°C

**PART NUMBER KEY**

**TBLH10-500 - XX BK**

Base Number

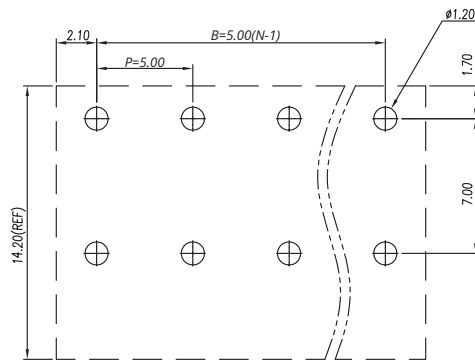
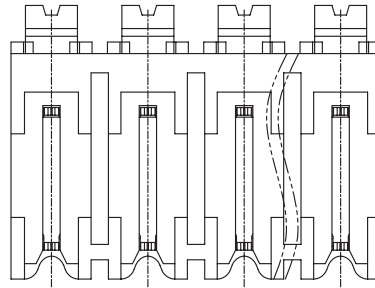
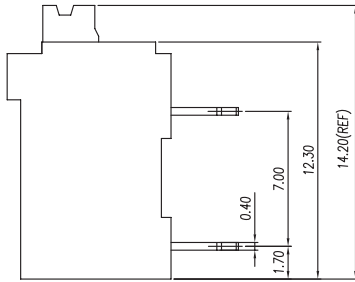
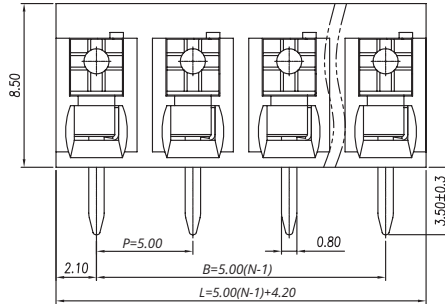
No. of Poles:

- 02 14
- 03 15
- 04 16
- 05 17
- 06 18
- 07 19
- 08 20
- 09 21
- 10 22
- 11 23
- 12 24
- 13

## 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)	
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	

### P.C.B. LAYOUT

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	13
L	9.20	14.20	19.20	24.20	29.20	34.20	39.20	44.20	49.20	54.20	59.20	64.20
B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
N	14	15	16	17	18	19	20	21	22	23	24	--
L	69.20	74.20	79.20	84.20	89.20	94.20	99.20	104.20	109.20	114.20	119.20	--
B	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	--

## REVISION HISTORY

rev.	description	date
1.0	initial release	08/13/2019
1.01	brand update	02/06/2020
1.02	logo, datasheet style update	08/12/2022

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.

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