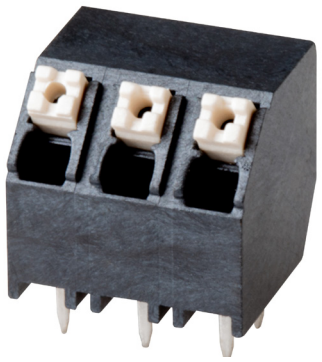
SERIES: TBLH13-500 | DESCRIPTION: TERMINAL BLOCK

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			 250 320 500	 V V 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
wave soldering	for maximum 5 seconds		260		°C
reflow soldering	for maximum 10 seconds (pin in paste compatible)		285		°C

PART NUMBER KEY

TBLH13 - 500 - XX BK

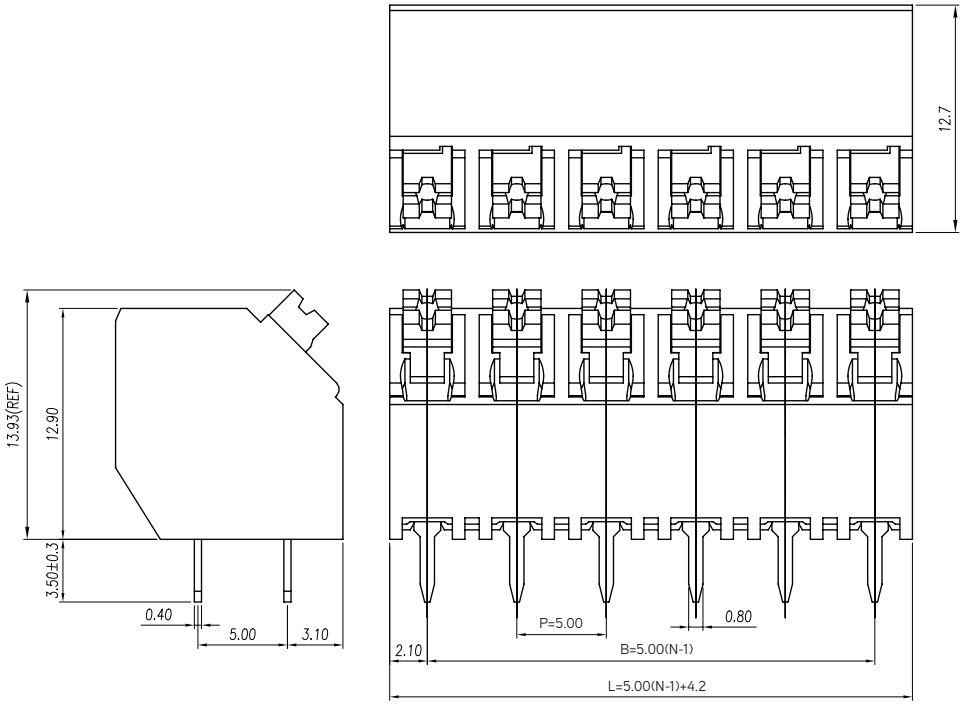
Base Number

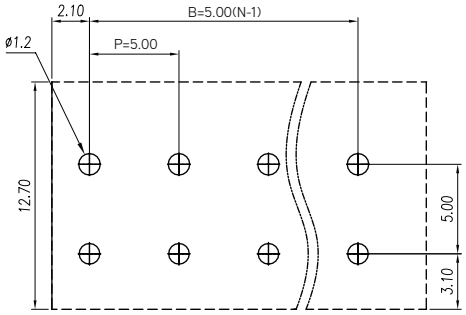
No. of Poles:
02 08
03 09
04 10
05 11
06 12
07

MECHANICAL DRAWING

units: mm
tolerance:
X≤6.00: ±0.20 mm
6.00<X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤60.00: ±0.70 mm
60.00<X≤100.00: ±1.00 mm
100.00<X≤160.00: ±1.30 mm
X>160.00: ±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





Recommended PCB Layout
Top View

WIRE ASSEMBLY		
	UL	IEC
Wire Range	24~16 AWG	0.2~ 1.5 mm²
Strip Length	7~8 mm	

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	06/29/2023

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.

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