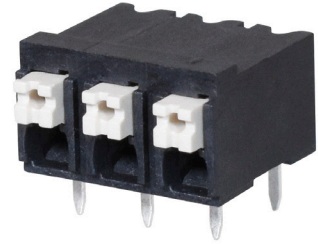


SERIES: TBLH10-500 | **DESCRIPTION:** TERMINAL BLOCK

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

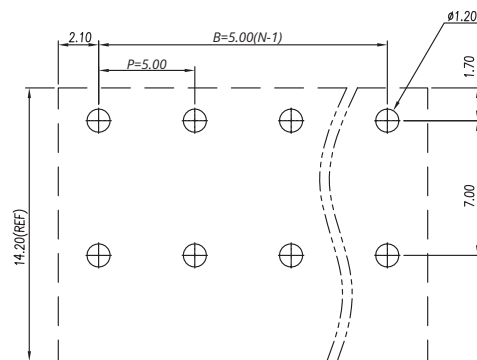
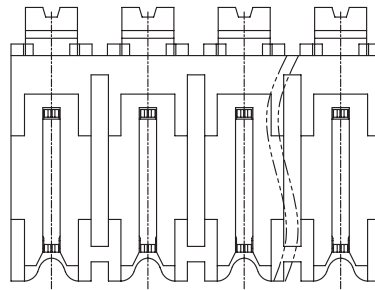
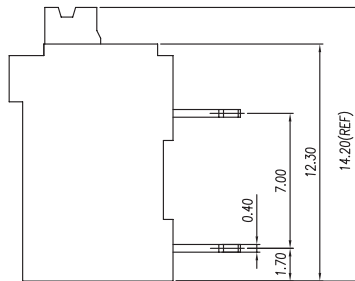
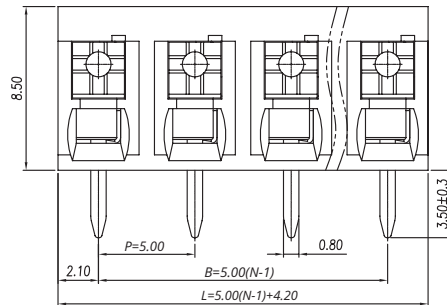
units: mm

tolerance:

 $X \leq 6.00$: ± 0.20 mm $6.00 < X \leq 10.00$: ± 0.30 mm $10.00 < X \leq 30.00$: ± 0.50 mm $30.00 < X \leq 60.00$: ± 0.70 mm $60.00 < X \leq 100.00$: ± 1.00 mm $100.00 < X \leq 160.00$: ± 1.30 mm $X > 160.00$: ± 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 ²
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

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

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