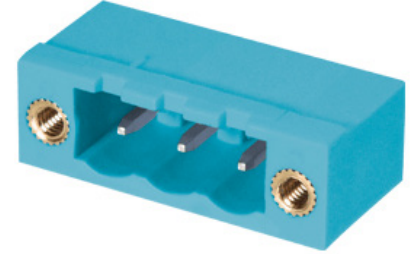


SERIES: TBP01R1W-508 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- horizontal orientation
- mating flange
- 5.08 mm pitch
- UL and CE safety approvals

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL			300	V
	IEC			320	V
rated current (per contact)	UL			16	A
	IEC			20	A
withstanding voltage			2500		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, EN 60998-1:2004, EN 60998-2-1:2004				
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 10 seconds	345	350	355	°C
wave soldering	for maximum 5 seconds	255	260	265	°C

PART NUMBER KEY**TBP01R1W-508 - XX XX**

Base Number

No. of Poles:

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

Color:

*BE = blue
GR = green
OR = orange
YL = yellow
GY = gray
BK = black

MECHANICAL DRAWING

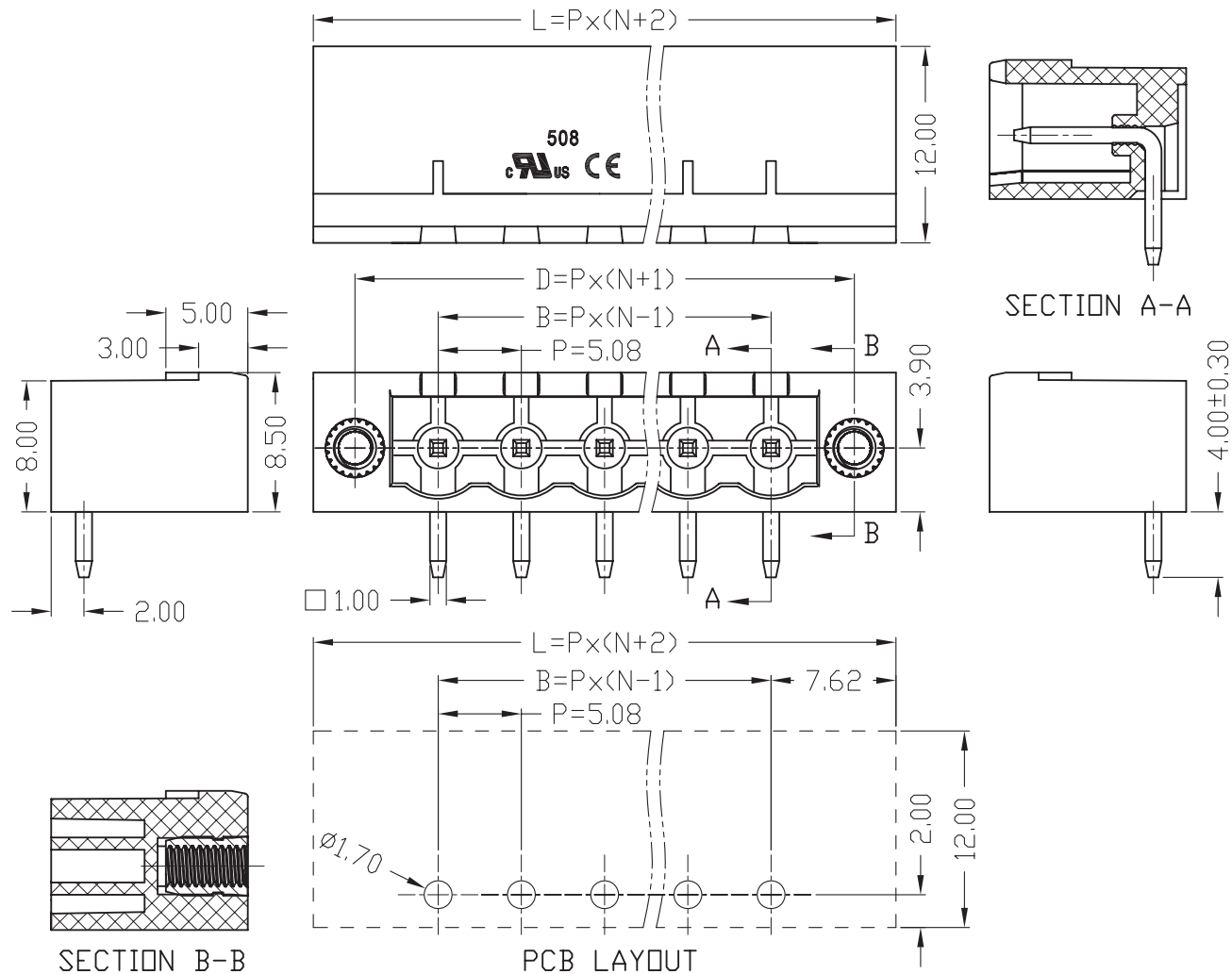
units: mm

tolerance (per module):

 $X \leq 6.00$: ± 0.25 mm $6.00 < X \leq 30.00$: ± 0.40 mm $30.00 < X \leq 60.00$: ± 0.60 mm $60.00 < X \leq 150.00$: ± 1.00 mm

unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 [UL94V-0]	
contacts	copper alloy	tin
locking inserts [M2.5, 0.4 N·m]	brass	



SECTION B-B

PCB 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	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96	66.04	71.12	76.20
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
D	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96	66.04	71.12
N	14	15	16	17	18	19	20	21	22	23	24	--
L	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	121.92	127.00	132.08	--
B	66.04	71.12	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	--
D	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	121.92	127.00	--

REVISION HISTORY

rev.	description	date
1.0	initial release	03/27/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/21/2020
1.03	logo, datasheet style update	08/15/2022

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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