

# CUI DEVICES

date 04/20/2020

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## SERIES: TB002-500 | DESCRIPTION: TERMINAL BLOCK

### FEATURES

- 2~24 poles
- horizontal with board
- interlocking (side)
- 5.0 mm pitch
- UL and CE safety approvals



### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL IEC			300 250	V
rated current (per contact)	UL IEC			15 17.5	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

#### TB002-500 - X XX XX

Base Number	Screw Type: "blank" = Slot P = Phillips	No. of Poles:	Color:
02	10	18	*BE = blue
03	11	19	GR = green
04	12	20	OR = orange
05	13	21	YL = yellow
06	14	22	GY = gray
07	15	23	BK = black
08	16	24	
09	17		

\*Standard housing color is blue. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

## MECHANICAL DRAWING

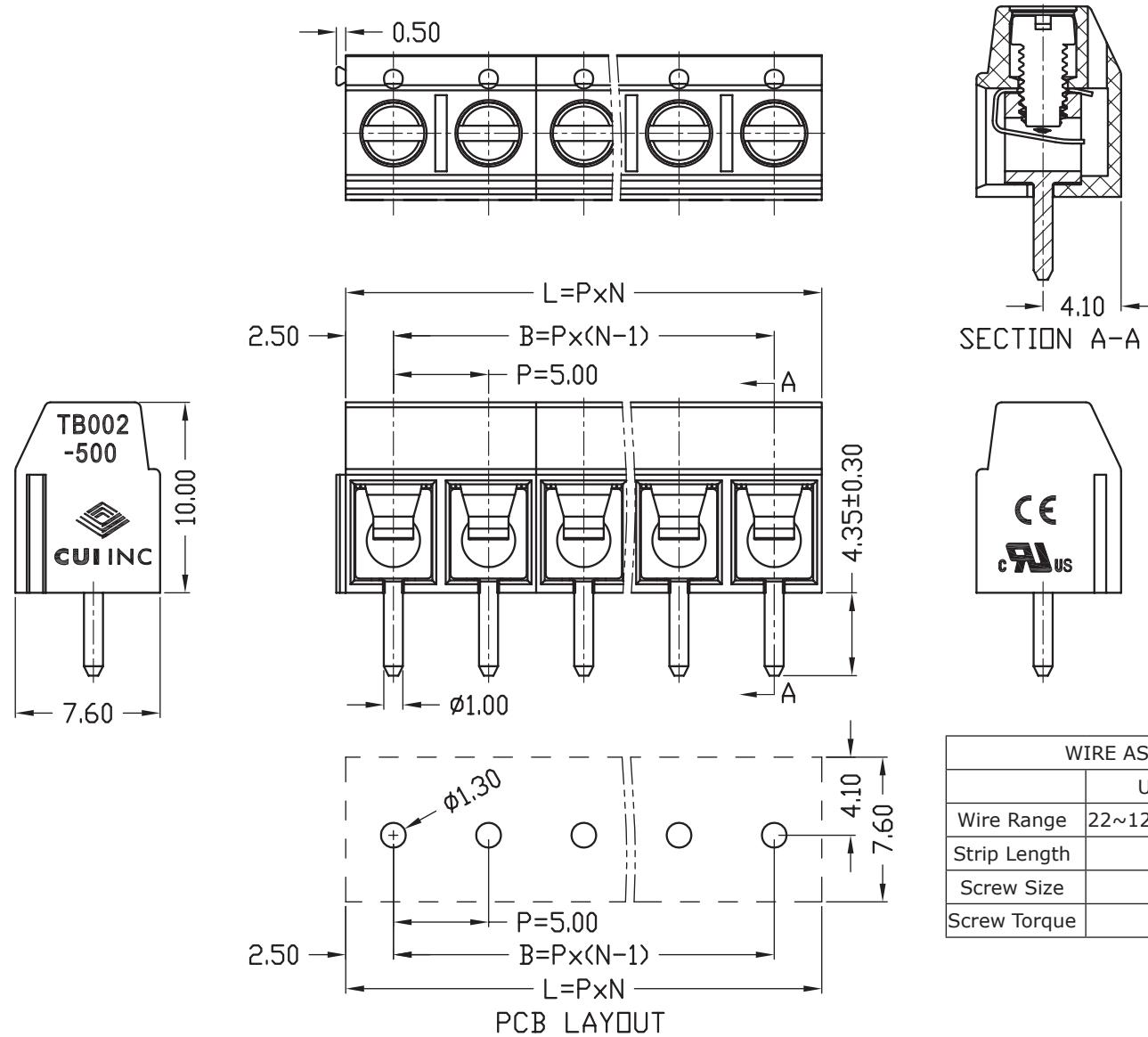
units: mm

tolerance (per module):

 $X \leq 6.00: \pm 0.25 \text{ mm}$  $6.00 < X \leq 30.00: \pm 0.40 \text{ mm}$ 

unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin
screws	steel	zinc
spring	stainless steel	



WIRE ASSEMBLY		
	UL	IEC
Wire Range	22~12 AWG	1.5 mm <sup>2</sup>
Strip Length	5~6 mm	
Screw Size	M2.5	
Screw Torque	0.4 N·m	

This series can be constructed of 2 and 3 pole 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	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00
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	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	--
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	03/14/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/20/2020

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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