

## SERIES: TBL001-500 | DESCRIPTION: TERMINAL BLOCK

### FEATURES

- 1~24 poles
- horizontal with board
- interlocking (side)
- push button clamp
- 5.00 mm pitch
- UL and CE safety approvals



### SPECIFICATIONS

| parameter                   | conditions/description                      | min | typ  | max  | units |
|-----------------------------|---------------------------------------------|-----|------|------|-------|
| rated voltage (per contact) | UL                                          |     |      | 300  | V     |
|                             | IEC                                         |     |      | 250  | V     |
| rated current (per contact) | UL                                          |     |      | 5    | A     |
|                             | IEC                                         |     |      | 15   | A     |
| withstanding voltage        |                                             |     | 2000 |      | 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

#### TBL001-500 - XX XX - 2XX

Base Number

No. of Poles:

01 09 17  
02 10 18  
03 11 19  
04 12 20  
05 13 21  
06 14 22  
07 15 23  
08 16 24

Body Color:

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

Push Button Color:

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

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

## MECHANICAL DRAWING

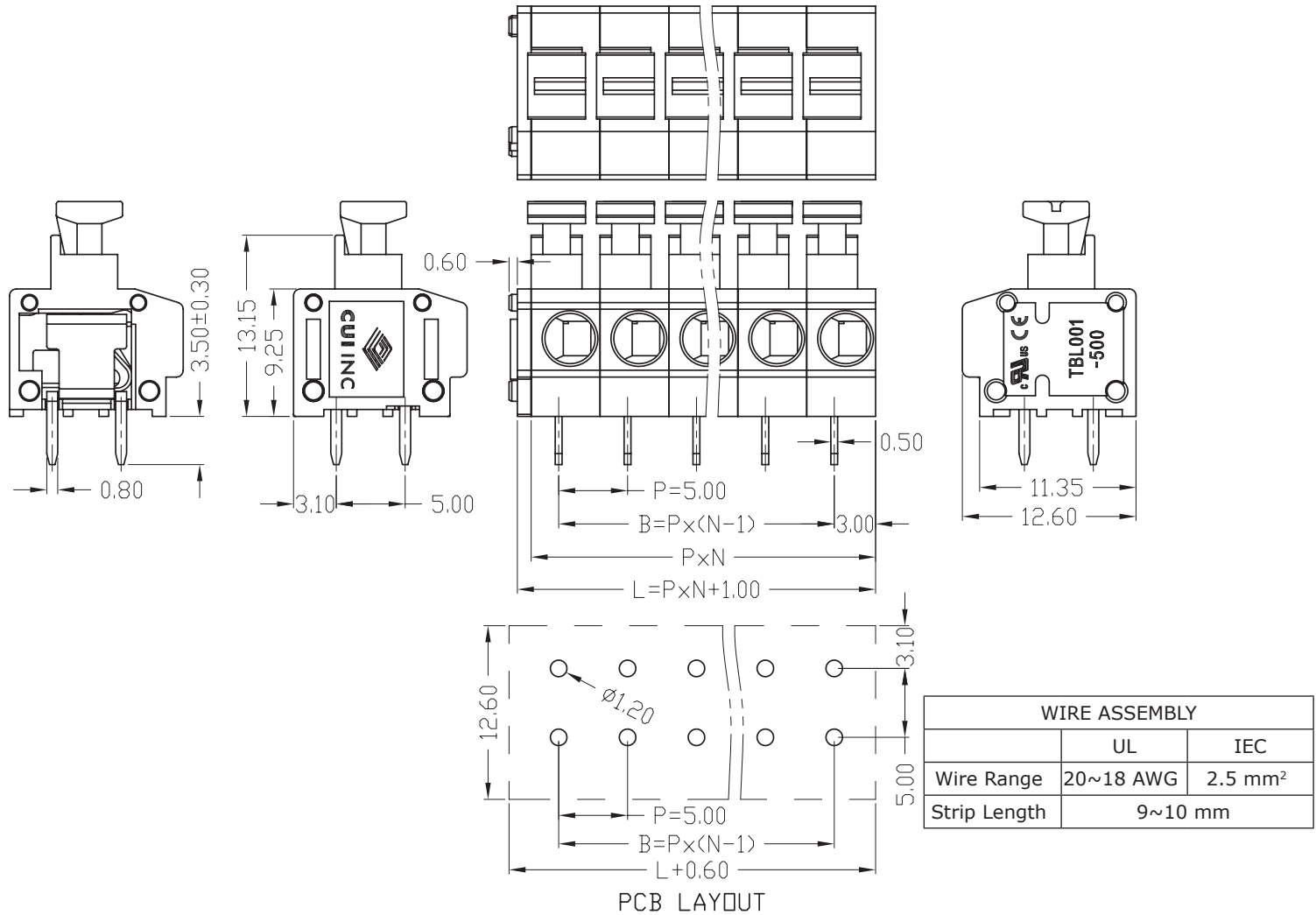
units: mm

tolerance (per module):

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

unless otherwise noted

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



This series is constructed of 1 pole modules where L is the total length, P is the pitch, and N is the number of poles.

| N | 01    | 02    | 03    | 04    | 05    | 06    | 07    | 08     | 09     | 10     | 11     | 12     |
|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| L | 6.00  | 11.00 | 16.00 | 21.00 | 26.00 | 31.00 | 36.00 | 41.00  | 46.00  | 51.00  | 56.00  | 61.00  |
| B | --    | 5.00  | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00  | 40.00  | 45.00  | 50.00  | 55.00  |
| N | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20     | 21     | 22     | 23     | 24     |
| L | 66.00 | 71.00 | 76.00 | 81.00 | 86.00 | 91.00 | 96.00 | 101.00 | 106.00 | 111.00 | 116.00 | 121.00 |
| B | 60.00 | 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   | 04/17/2019 |
| 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.

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# CUI DEVICES

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