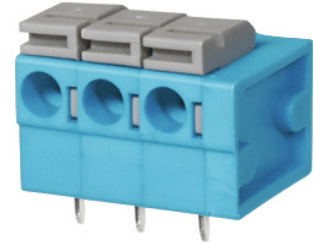


**SERIES:** TBL004-508 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- horizontal with board
- interlocking (side)
- push button clamp
- 5.08 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                                        |     |      | 15   | 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 |      | 105  | °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  |     | 250 |     | °C    |

**PART NUMBER KEY****TBL004-508 - XX XX - 2XX**

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

Body Color:

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

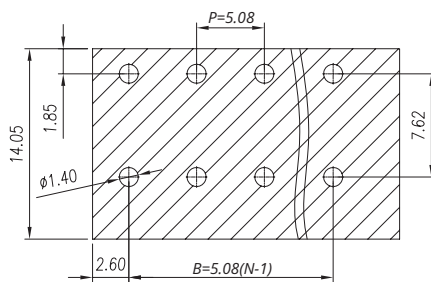
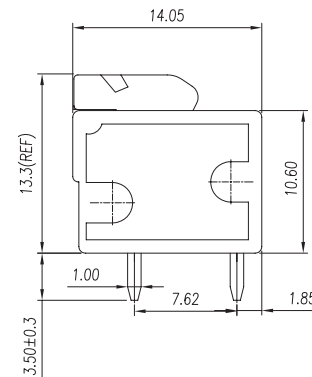
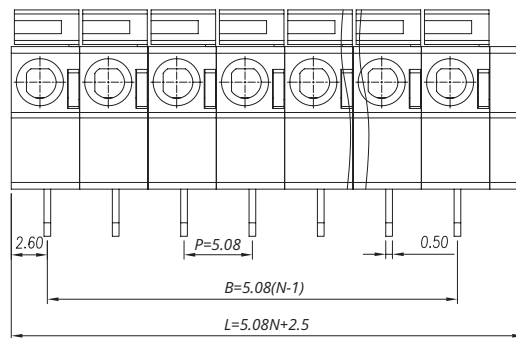
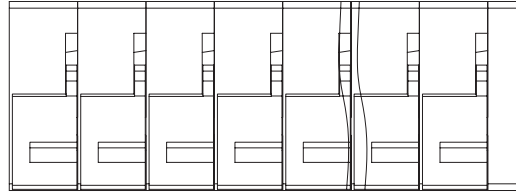
Push Button Color:

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

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 $X \leq 6.00$ :  $\pm 0.20$  mm  
 $6.00 < X \leq 10.00$ :  $\pm 0.30$  mm  
 $10.00 < X \leq 30.00$ :  $\pm 0.50$  mm  
 $30.00 < X \leq 60.00$ :  $\pm 0.70$  mm  
 $60.00 < X \leq 100.00$ :  $\pm 1.00$  mm  
 $100.00 < X \leq 160.00$ :  $\pm 1.30$  mm  
 $X > 160.00$ :  $\pm 1.60$  mm  
 unless otherwise noted

| DESCRIPTION | MATERIAL       | PLATING/COLOR |
|-------------|----------------|---------------|
| housing     | PA66 [UL94V-0] |               |
| contacts    | copper alloy   | tin           |



P.C.B. LAYOUT

| WIRE ASSEMBLY |           |                         |
|---------------|-----------|-------------------------|
|               | UL        | IEC                     |
| Wire Range    | 24~14 AWG | 0.2~1.5 mm <sup>2</sup> |
| Strip Length  | 10~11 mm  |                         |

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 | 02    | 03    | 04    | 05    | 06    | 07    | 08     | 09     | 10     | 11     | 12     | 13    |
|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|
| L | 12.66 | 17.74 | 22.82 | 27.90 | 32.98 | 38.06 | 43.14  | 48.22  | 53.30  | 58.38  | 63.46  | 68.54 |
| 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 |
| N | 14    | 15    | 16    | 17    | 18    | 19    | 20     | 21     | 22     | 23     | 24     | --    |
| L | 73.62 | 78.70 | 83.78 | 88.86 | 93.94 | 99.02 | 104.10 | 109.18 | 114.26 | 119.34 | 124.42 | --    |
| B | 66.04 | 71.12 | 76.20 | 81.28 | 86.36 | 91.44 | 96.52  | 101.60 | 106.68 | 111.76 | 116.84 | --    |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 08/13/2019 |
| 1.01 | brand update                 | 02/06/2020 |
| 1.02 | updated datasheet            | 04/20/2020 |
| 1.03 | logo, datasheet style update | 08/12/2022 |

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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