CUI Devices is now Same Sky! Learn More

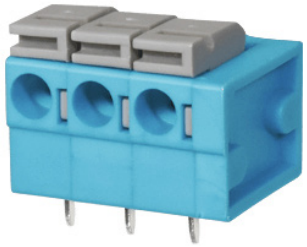
same sky



# 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<br>IEC | | | 300<br>320 | V<br>V |
| rated current (per contact) | UL<br>IEC | | | 10<br>15 | A<br>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

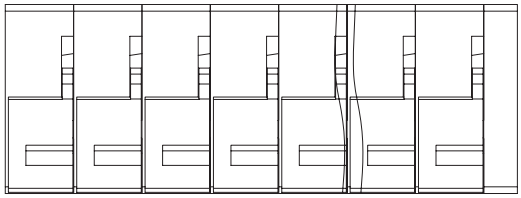
Push Button Color:
BE = blue
GR = green
OR = orange
YL = yellow
*GY = gray
BK = black
WT = white

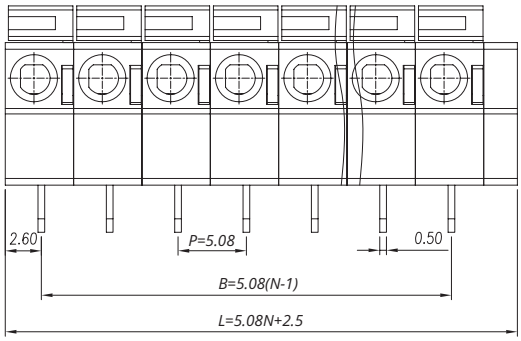
*Standard housing color is blue with gray push button. All other colors are subject to higher MOQ. Please inquire with Same Sky sales for details.

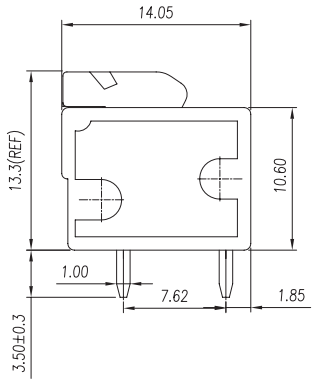
## MECHANICAL DRAWING

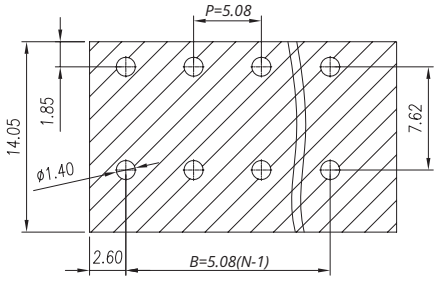
units: mm
tolerance:
X≤6.00: ±0.20 mm
6.00<X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤60.00: ±0.70 mm
60.00<X≤100.00: ±1.00 mm
100.00<X≤160.00: ±1.30 mm
X>160.00: ±1.60 mm
unless otherwise noted

| 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 mm² |
| 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 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

same sky

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