

**SERIES:** TBP01P1-508 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- 180° insertion entry
- retention latch
- 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                                         |     |      |      |       |

**PART NUMBER KEY****TBP01P1-508 - 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

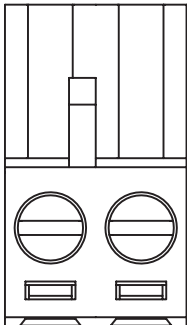
Color:

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

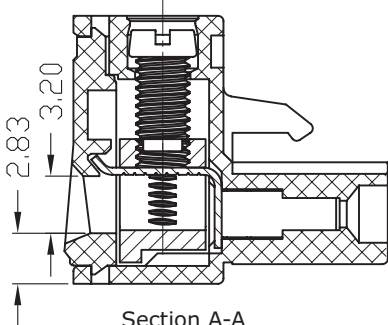
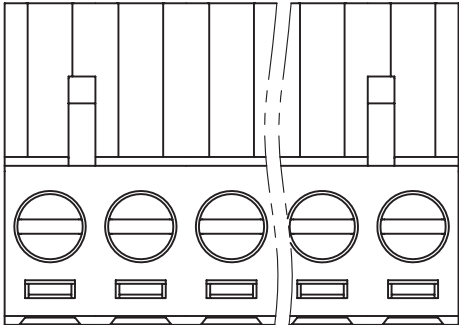
MECHANICAL DRAWING

units: mm  
tolerance (per module):  
X≤6.00: ±0.25 mm  
6.00<X≤30.00: ±0.40 mm  
30.00<X≤60.00: ±0.60 mm  
60.00<X≤150.00: ±1.00 mm  
unless otherwise noted

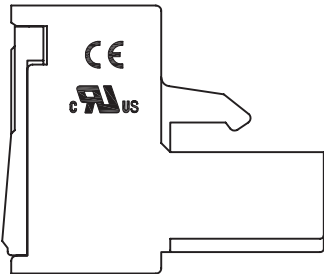
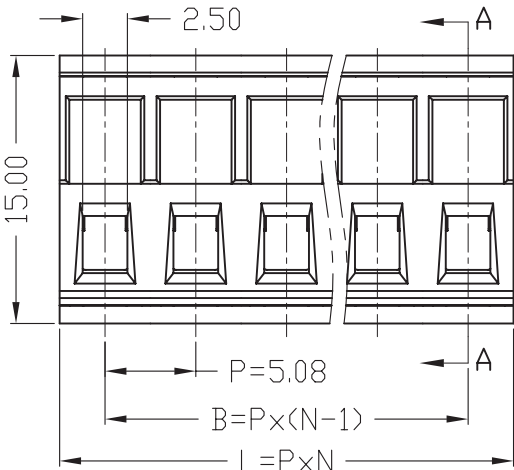
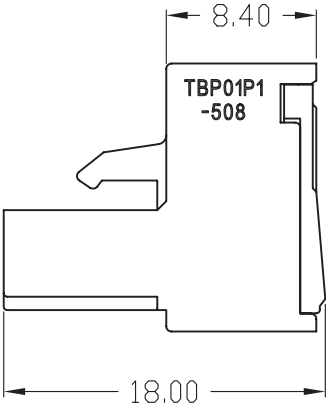
| DESCRIPTION | MATERIAL       | PLATING/COLOR |
|-------------|----------------|---------------|
| housing     | PA66 [UL94V-0] |               |
| contacts    | copper alloy   | nickel        |
| wire screws | steel          | zinc          |
| block       | copper alloy   | nickel        |



2 Pole Module



Section A-A



| WIRE ASSEMBLY |           |                     |
|---------------|-----------|---------------------|
|               | UL        | IEC                 |
| Wire Range    | 28-12 AWG | 2.5 mm <sup>2</sup> |
| Strip Length  | 7 mm      |                     |
| Screw Size    | M3        |                     |
| Screw Torque  | 0.5 N·m   |                     |

| 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                                                                                                                             | 10.16 | 15.24 | 20.32 | 25.40 | 30.48 | 35.56 | 40.64  | 45.72  | 50.80  | 55.88  | 60.96  | 66.04 |
| 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                                                                                                                             | 71.12 | 76.20 | 81.28 | 86.36 | 91.44 | 96.52 | 101.60 | 106.68 | 111.76 | 116.84 | 121.92 | --    |
| 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                   | 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 |
| 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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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