

**SERIES:** TBP04R12-500 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- horizontal orientation
- 5.0 mm pitch
- UL and CE safety approvals

**SPECIFICATIONS**

| parameter                   | conditions/description | min | typ  | max  | units |
|-----------------------------|------------------------|-----|------|------|-------|
| rated voltage (per contact) | UL                     |     |      | 300  | V     |
|                             | IEC                    |     |      | 400  | V     |
| rated current (per contact) | UL                     |     |      | 15   | A     |
|                             | IEC                    |     |      | 10   | 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, EN61984:2009  |     |      |      |       |
| 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****TBP04R12-500 - 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

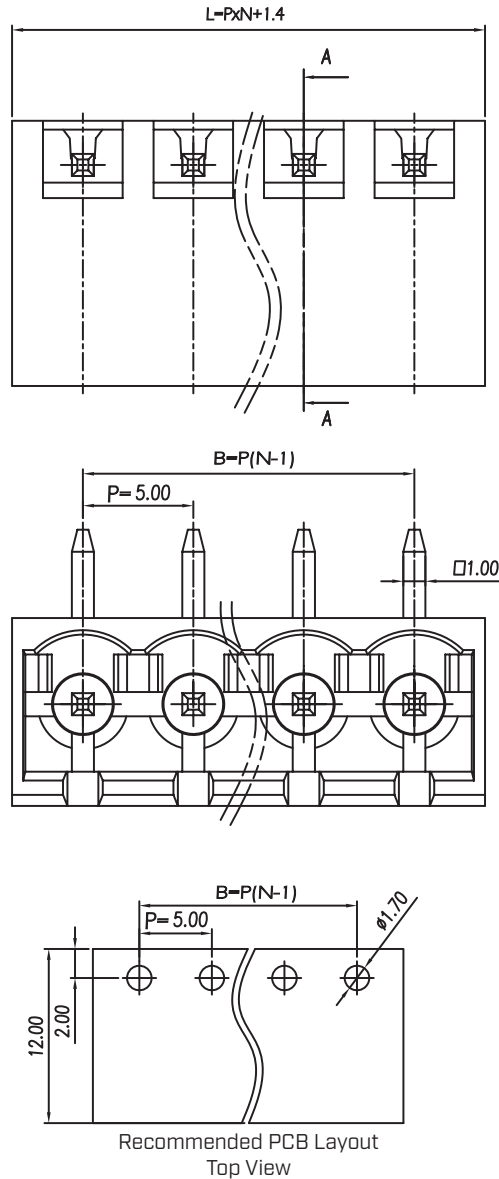
## MECHANICAL DRAWING

units: mm

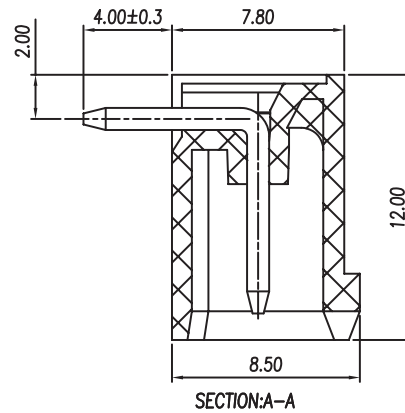
tolerance:

 $X \leq 6.00$ :  $\pm 0.20$  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           |



| 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                                                                                                                             | 11.40 | 16.40 | 21.40 | 26.40 | 31.40 | 36.40 | 41.40  | 46.40  | 51.40  | 56.40  | 61.40  | 66.40 |
| 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                                                                                                                             | 71.40 | 76.40 | 81.40 | 86.40 | 91.40 | 96.40 | 101.40 | 106.40 | 111.40 | 116.40 | 121.40 | --    |
| 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                   | 10/07/2021 |
| 1.01 | logo, datasheet style update      | 08/11/2022 |
| 1.02 | 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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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