

**SERIES:** TBL002B-350 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 1~24 poles
- 45° angle with board
- interlocking (side)
- push button clamp
- 3.50 mm pitch
- UL and CE safety approvals

**SPECIFICATIONS**

| parameter             | conditions/description                          | min | typ   | max   | units |
|-----------------------|-------------------------------------------------|-----|-------|-------|-------|
| rated voltage (UL)    | Use Group:<br>B, D                              |     |       | 300   | V     |
| rated current (UL)    | Use Group:<br>B, D                              |     |       | 7     | A     |
| rated voltage (IEC)   | Overvoltage Category/Pollution Degree:<br>III/2 |     |       | 450   | V     |
| rated current (IEC)   | Overvoltage Category/Pollution Degree:<br>III/2 |     |       | 5     | A     |
| withstanding voltage  |                                                 |     | 2,500 |       | Vac   |
| surge voltage         |                                                 |     |       | 4,000 | V     |
| contact resistance    |                                                 |     |       | 8     | 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**

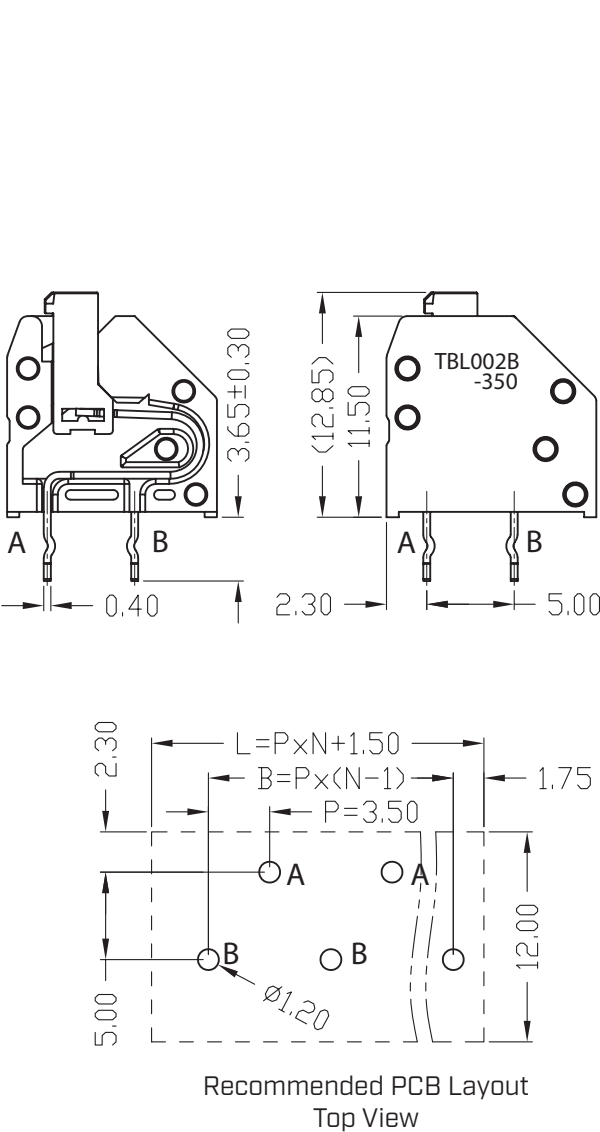
| TBL002B - 350 - XX XX - 2XX |               |             |                    |
|-----------------------------|---------------|-------------|--------------------|
| Base Number                 | No. of Poles: | Body Color: | Push Button Color: |
|                             | 01 07 13 19   | BE = blue   | BE = blue          |
|                             | 02 08 14 20   | GR = green  | GR = green         |
|                             | 03 09 15 21   | OR = orange | OR = orange        |
|                             | 04 10 16 22   | YL = yellow | YL = yellow        |
|                             | 05 11 17 23   | *GY = gray  | *GY = gray         |
|                             | 06 12 18 24   | BK = black  | BK = black         |
|                             |               |             | WT = white         |

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

MECHANICAL DRAWING

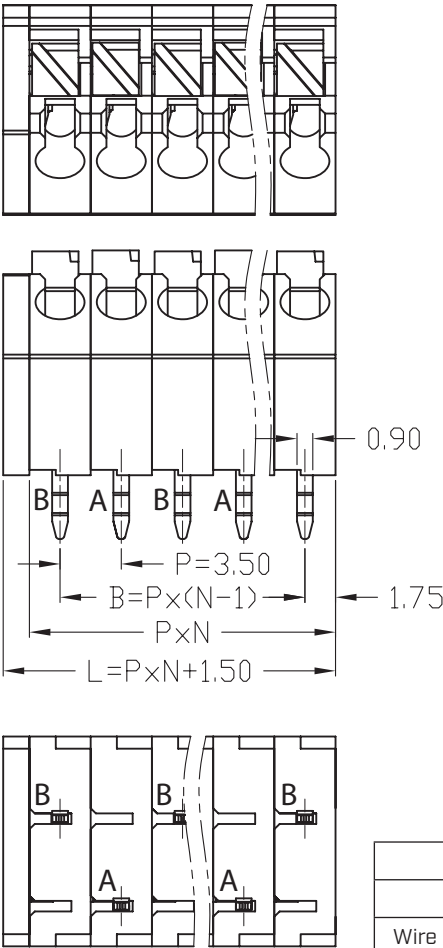
units: mm  
tolerance (per module):  
X≤6.00: ±0.25 mm  
6.00<X≤30.00: ±0.40 mm  
unless otherwise noted

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



A pin  
when N is even, the number is N/2;  
when N is odd, the number is (N-1)/2.

B pin  
when N is even, the number is N/2;  
when N is odd, the number is (N+1)/2.



| WIRE ASSEMBLY |           |                      |
|---------------|-----------|----------------------|
|               | UL        | IEC                  |
| Wire Range    | 24~18 AWG | 0.75 mm <sup>2</sup> |
| Strip Length  | 8-9 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                                                                                                                       | 01    | 02    | 03    | 04    | 05    | 06    | 07    | 08    | 09    | 10    | 11    | 12    |
| L                                                                                                                       | 5.00  | 8.50  | 12.00 | 15.50 | 19.00 | 22.50 | 26.00 | 29.50 | 33.00 | 36.50 | 40.00 | 43.50 |
| B                                                                                                                       | --    | 3.50  | 7.00  | 10.50 | 14.00 | 17.50 | 21.00 | 24.50 | 28.00 | 31.50 | 35.00 | 38.50 |
| N                                                                                                                       | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
| L                                                                                                                       | 47.00 | 50.50 | 54.00 | 57.50 | 61.00 | 64.50 | 68.00 | 71.50 | 75.00 | 78.50 | 82.00 | 85.50 |
| B                                                                                                                       | 42.00 | 45.50 | 49.00 | 52.50 | 56.00 | 59.50 | 63.00 | 66.50 | 70.00 | 73.50 | 77.00 | 80.50 |

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/12/2024 |

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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