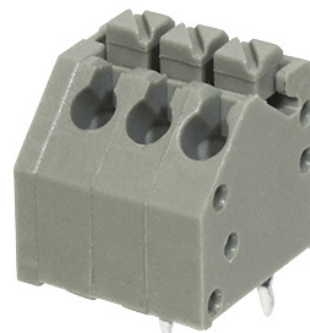


**SERIES:** TBL002A-350 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 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 (per contact) | UL                                          |     |      | 300  | V     |
|                             | IEC                                         |     |      | 400  | V     |
| rated current (per contact) | UL                                          |     |      | 2    | A     |
|                             | IEC                                         |     |      | 5    | A     |
| withstanding voltage        |                                             |     | 2000 |      | 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                                         |     |      |      |       |

**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****TBL002A-350 - XX XX - 2XX**

Base Number

No. of Poles:

|    |    |    |
|----|----|----|
| 01 | 09 | 17 |
| 02 | 10 | 18 |
| 03 | 11 | 19 |
| 04 | 12 | 20 |
| 05 | 13 | 21 |
| 06 | 14 | 22 |
| 07 | 15 | 23 |
| 08 | 16 | 24 |

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 gray with gray push button. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

## MECHANICAL DRAWING

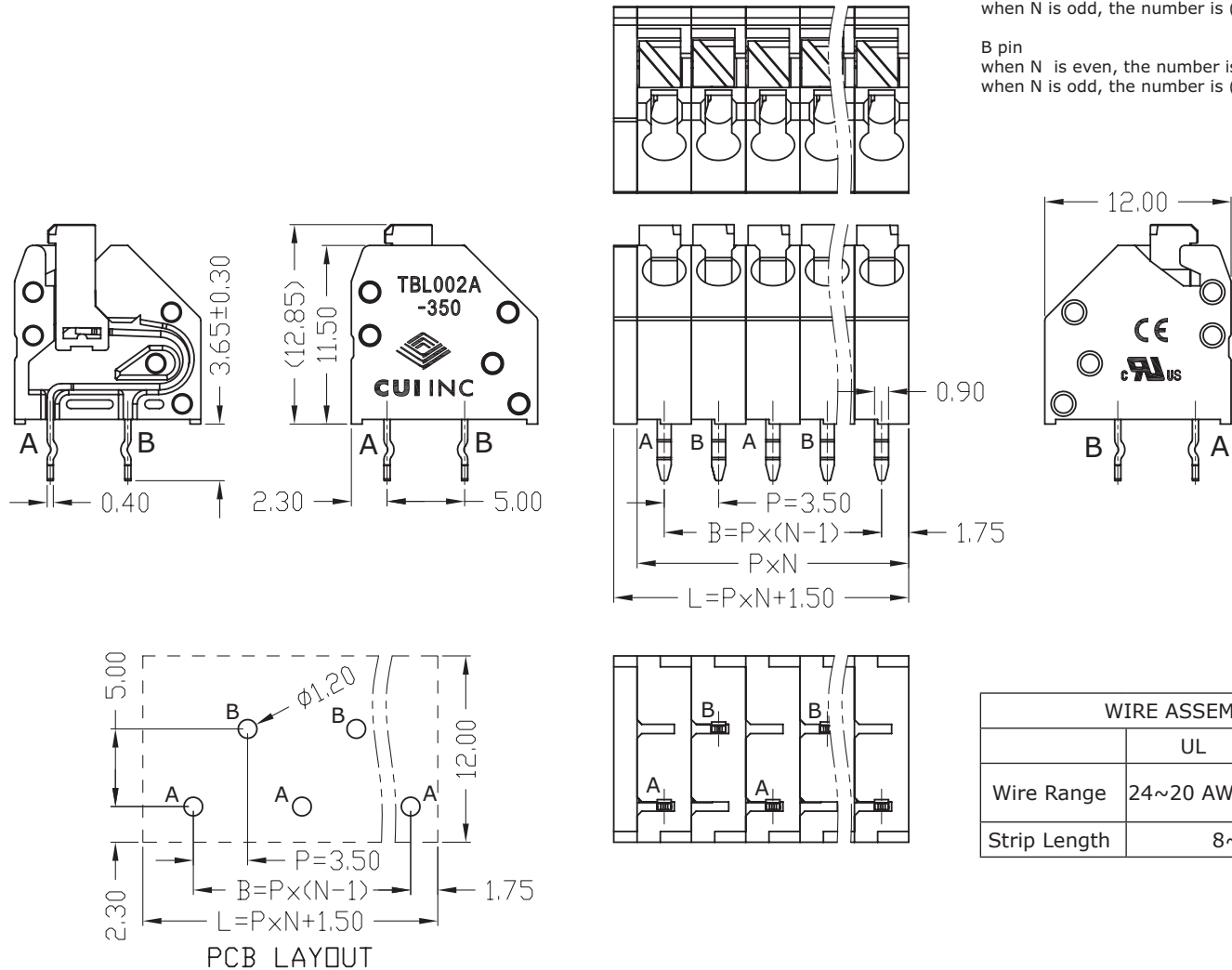
units: mm

tolerance (per module):

 $X \leq 6.00$ :  $\pm 0.25$  mm $6.00 < X \leq 30.00$ :  $\pm 0.40$  mm

unless otherwise noted

| DESCRIPTION | MATERIAL        | PLATING/COLOR |
|-------------|-----------------|---------------|
| housing     | PA66 (UL94V-0)  |               |
| contacts    | phosphor bronze | tin           |



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    | 24~20 AWG | 0.2~0.75 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   | 04/17/2019 |
| 1.01 | brand update      | 02/06/2020 |
| 1.02 | updated datasheet | 04/20/2020 |

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

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# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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