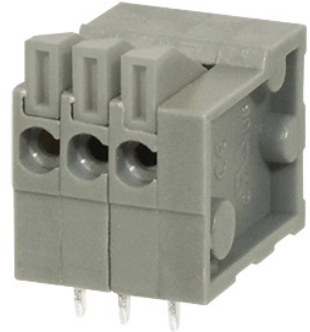


**SERIES:** TBL003-254 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 1~24 poles
- horizontal with board
- interlocking (side)
- lever actuated
- 2.54 mm pitch
- UL and CE safety approvals

**SPECIFICATIONS**

| parameter                   | conditions/description                      | min | typ  | max  | units |
|-----------------------------|---------------------------------------------|-----|------|------|-------|
| rated voltage (per contact) | UL                                          |     |      | 150  | V     |
|                             | IEC                                         |     |      | 130  | V     |
| rated current (per contact) | UL                                          |     |      | 2    | A     |
|                             | IEC                                         |     |      | 6    | A     |
| withstanding voltage        |                                             |     | 1250 |      | Vac   |
| surge voltage               |                                             |     |      | 2500 | 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****TBL003-254- 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 green with orange push button. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

## MECHANICAL DRAWING

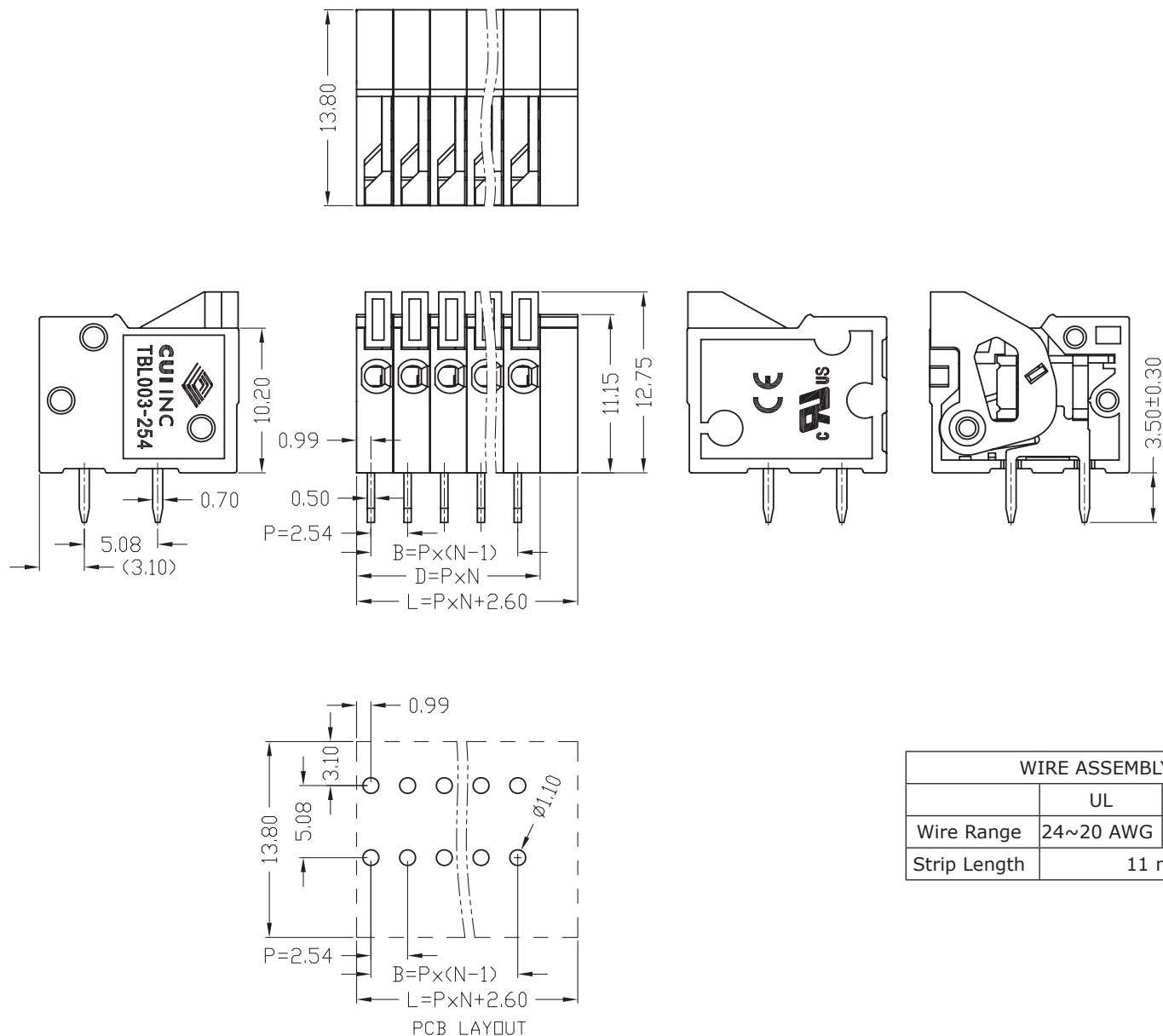
units: mm

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    | copper alloy    | tin           |
| spring      | stainless steel |               |



| WIRE ASSEMBLY |           |                     |
|---------------|-----------|---------------------|
|               | UL        | IEC                 |
| Wire Range    | 24~20 AWG | 1.0 mm <sup>2</sup> |
| Strip Length  | 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 | 01    | 02    | 03    | 04    | 05    | 06    | 07    | 08    | 09    | 10    | 11    | 12    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L | 5.14  | 7.68  | 10.22 | 12.76 | 15.30 | 17.84 | 20.38 | 22.92 | 25.46 | 28.00 | 30.54 | 33.08 |
| B | --    | 2.54  | 5.08  | 7.62  | 10.16 | 12.70 | 15.24 | 17.78 | 20.32 | 22.86 | 25.40 | 27.94 |
| N | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    |
| L | 35.62 | 38.16 | 40.70 | 43.24 | 45.78 | 48.32 | 50.86 | 53.40 | 55.94 | 58.48 | 61.02 | 63.56 |
| B | 30.48 | 33.02 | 35.56 | 38.10 | 40.64 | 43.18 | 45.72 | 48.26 | 50.80 | 53.34 | 55.88 | 58.42 |

## 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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