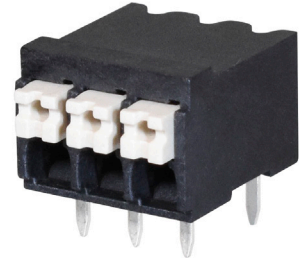


**SERIES:** TBLH10-350 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- horizontal with board
- high temperature housing
- push button clamp
- 3.50 mm pitch
- UL safety approval
- IEC 60947-7-4 compliant

**SPECIFICATIONS**

| parameter                   | conditions/description                     | min | typ  | max  | units |
|-----------------------------|--|-----|------|------|-------|
| rated voltage (per contact) | UL   |     |      | 300  | V     |
|                             | IEC  |     |      | 160  | V     |
| rated current (per contact) | UL   |     |      | 10   | A     |
|                             | IEC  |     |      | 17.5 | A     |
| withstanding voltage        | for 1 minute                               |     | 1600 |      | Vac   |
| surge voltage               |  |     |      | 2500 | V     |
| contact resistance          |  |     |      | 20   | mΩ    |
| insulation resistance       | at 500 Vdc                                 | 500 |      |      | MΩ    |
| operating temperature       |  | -40 |      | 130  | °C    |
| safety approvals            | UL 1059 certified, IEC 60947-7-4 compliant |     |      |      |       |
| flammability rating         | UL94V-0                                    |     |      |      |       |
| RoHS                        | yes  |     |      |      |       |

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for maximum 10 seconds |     | 285 |     | °C    |

**PART NUMBER KEY****TBLH10-350 - XX BK**

Base Number

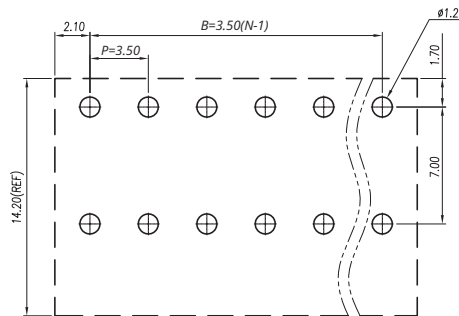
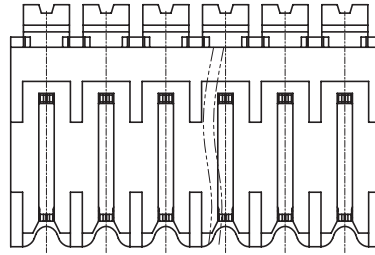
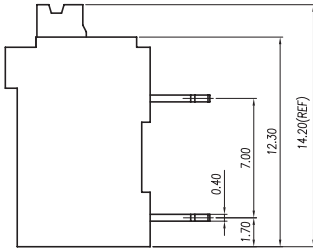
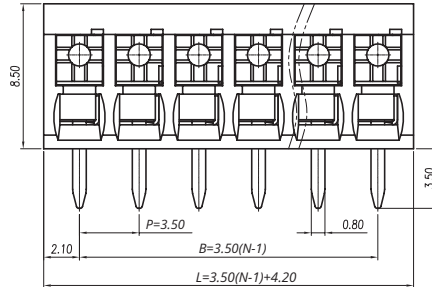
No. of Poles:

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

## 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     | LCP (UL94V-0) |               |
| contacts    | copper alloy  | tin           |



P.C.B. LAYOUT

| WIRE ASSEMBLY |           |                         |
|---------------|-----------|-------------------------|
|               | UL        | IEC                     |
| Wire Range    | 24~16 AWG | 0.2~1.5 mm <sup>2</sup> |
| Strip Length  | 7~8 mm    |                         |

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 | 7.70  | 11.20 | 14.70 | 18.20 | 21.70 | 25.20 | 28.70 | 32.20 | 35.70 | 39.20 | 42.70 | 46.20 |
| B | 3.50  | 7.00  | 10.50 | 14.00 | 17.50 | 21.00 | 24.50 | 28.00 | 31.50 | 35.00 | 38.50 | 42.00 |
| N | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | --    |
| L | 49.70 | 53.20 | 56.70 | 60.20 | 63.70 | 67.20 | 70.70 | 74.20 | 77.70 | 81.20 | 84.70 | --    |
| B | 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              | 08/13/2019 |
| 1.01 | brand update                 | 02/06/2020 |
| 1.02 | logo, datasheet style update | 08/12/2022 |

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



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

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