

**SERIES:** TBP05R1-762 | **DESCRIPTION:** TERMINAL BLOCK

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**FEATURES**

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

**SPECIFICATIONS**

| parameter                   | conditions/description | min | typ  | max  | units |
|-----------------------------|------------------------|-----|------|------|-------|
| rated voltage (per contact) | UL                     |     |      | 300  | V     |
|                             | IEC                    |     |      | 630  | V     |
| rated current (per contact) | UL                     |     |      | 15   | A     |
|                             | IEC                    |     |      | 10   | A     |
| withstanding voltage        | for 1 minute           |     | 1600 |      | Vac   |
| surge voltage               |                        |     |      | 6000 | 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****TBP05R1-762 - XX XX**

Base Number

No. of Poles:

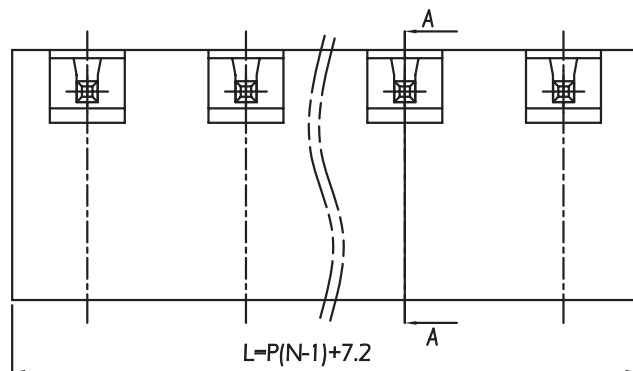
02 10 18  
03 11 19  
04 12 20  
05 13 21  
06 14 22  
07 15 23  
08 16 24  
09 17

Color:

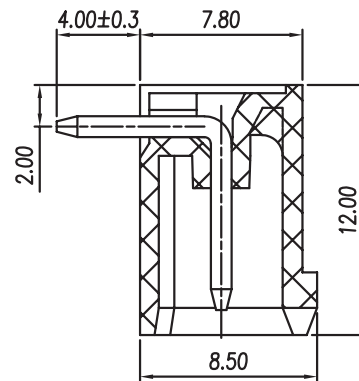
BE = blue  
GR = green

## MECHANICAL DRAWING

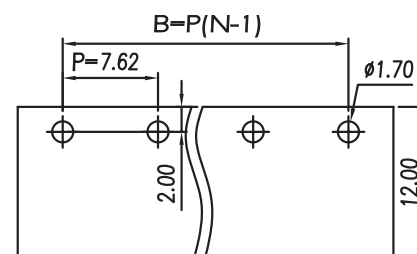
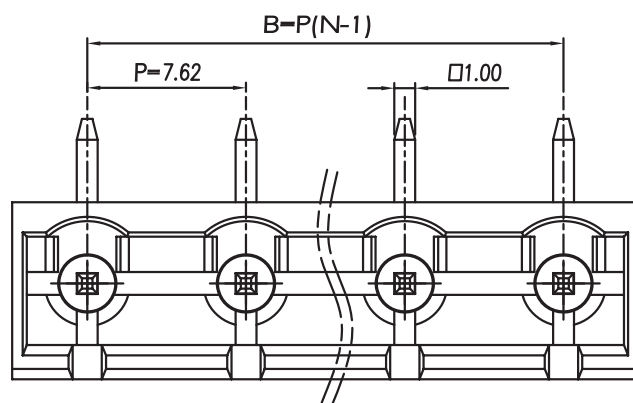
units: mm  
 tolerance:  
 $X \leq 6.00$ :  $\pm 0.20$  mm  
 $6.00 < X \leq 10.00$ :  $\pm 0.30$  mm  
 $10.00 < X \leq 30.00$ :  $\pm 0.50$  mm  
 $30.00 < X \leq 60.00$ :  $\pm 0.70$  mm  
 $60.00 < X \leq 100.00$ :  $\pm 1.00$  mm  
 $100.00 < X \leq 160.00$ :  $\pm 1.30$  mm  
 $X > 160.00$ :  $\pm 1.60$  mm  
 unless otherwise noted



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



SECTION:A-A

Recommended PCB Layout  
Top View

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 | 14.82  | 22.44  | 30.06  | 37.68  | 45.30  | 52.92  | 60.54  | 68.16  | 75.78  | 83.40  | 91.02  | 98.64 |
| B | 7.62   | 15.24  | 22.86  | 30.48  | 38.10  | 45.72  | 53.34  | 60.96  | 68.58  | 76.20  | 83.82  | 91.44 |
| N | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | --    |
| L | 106.26 | 113.88 | 121.50 | 129.12 | 136.74 | 144.36 | 151.98 | 159.60 | 167.22 | 174.84 | 182.46 | --    |
| B | 99.06  | 106.68 | 114.30 | 121.92 | 129.54 | 137.16 | 144.78 | 152.40 | 160.02 | 167.64 | 175.26 | --    |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 10/07/2021 |
| 1.01 | logo, datasheet style update | 08/11/2022 |

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



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