

**SERIES:** TBP03R1-350 | **DESCRIPTION:** TERMINAL BLOCK

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**FEATURES**

- 2~24 poles
- horizontal orientation
- 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                    |     |      | 250  | V     |
| rated current (per contact) | UL                     |     |      | 8    | A     |
|                             | IEC                    |     |      | 7    | 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 |      | 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****TBP03R1-350 - 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:

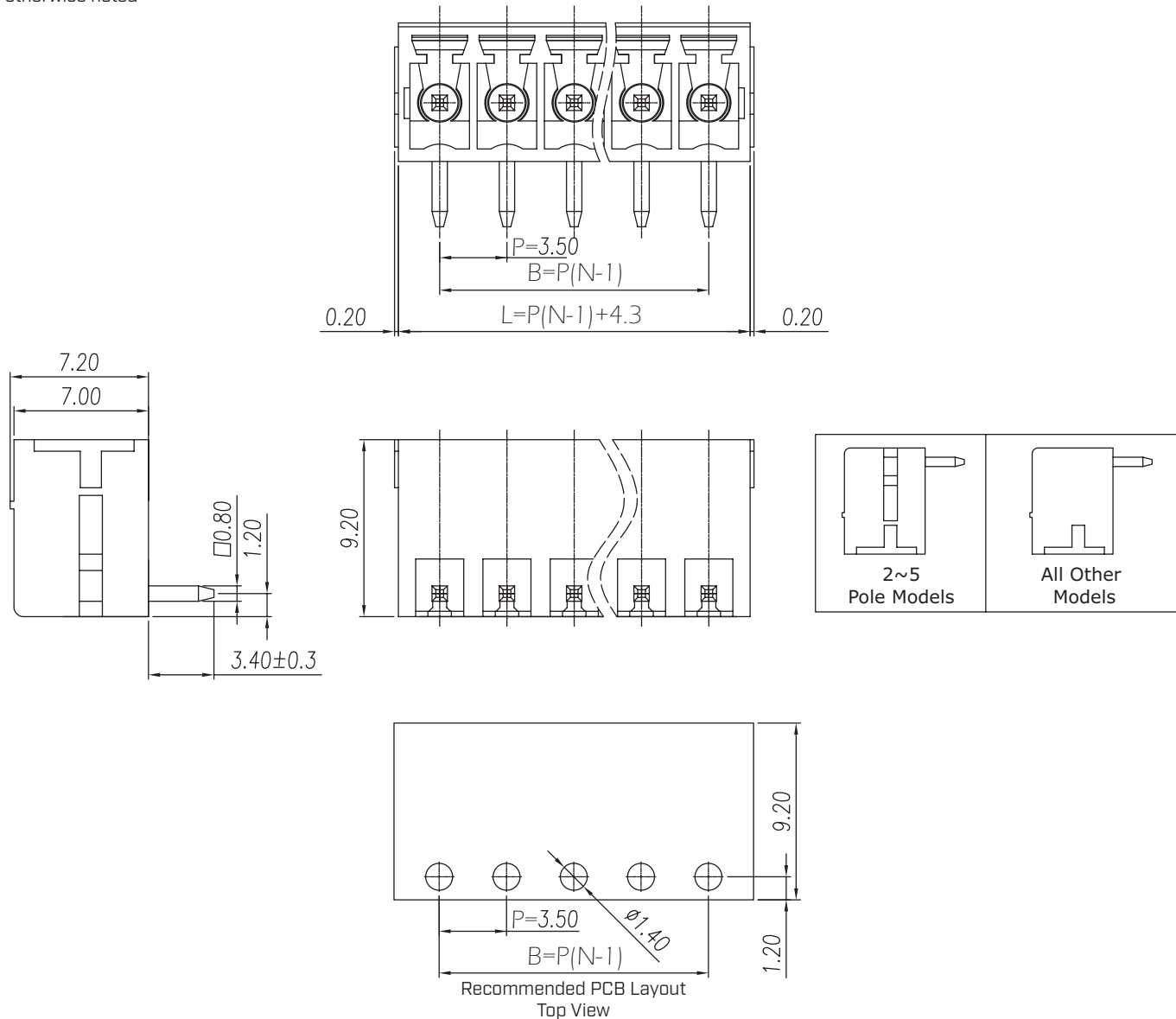
BE = blue

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           |



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 | 7.80  | 11.30 | 14.80 | 18.30 | 21.80 | 25.30 | 28.80 | 32.30 | 35.80 | 39.30 | 42.80 | 46.30 |
| 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 | 49.80 | 53.30 | 56.80 | 60.30 | 63.80 | 67.30 | 70.80 | 74.30 | 77.80 | 81.30 | 84.80 | --    |
| 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              | 10/07/2021 |
| 1.01 | logo, datasheet style update | 08/12/2022 |

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



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