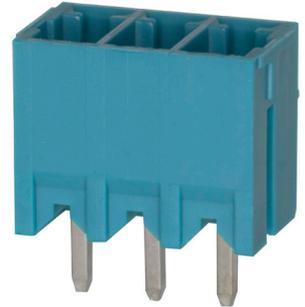


**SERIES:** TBPO3R2-350 | **DESCRIPTION:** TERMINAL BLOCK

**FEATURES**

- 2~24 poles
- vertical 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**

**TBPO3R2-350 - 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

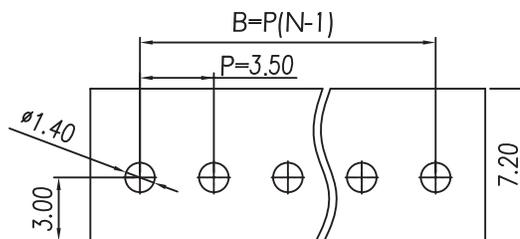
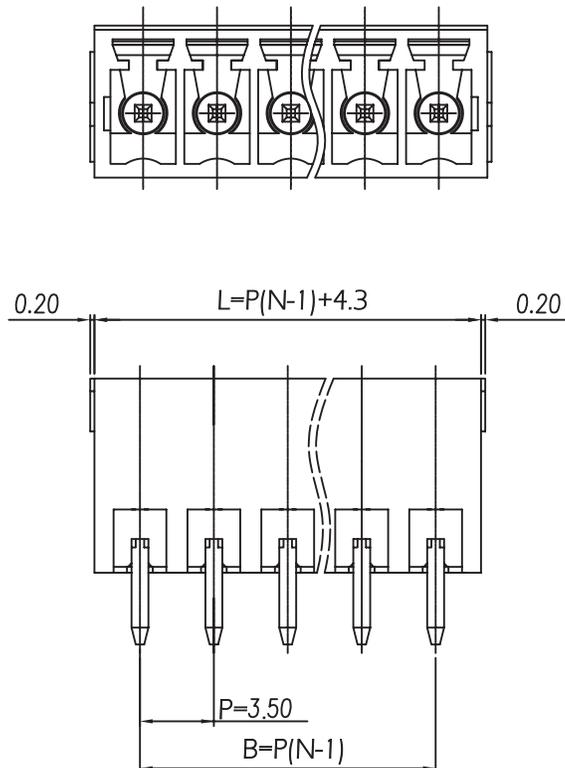
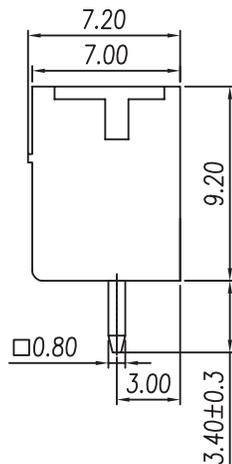
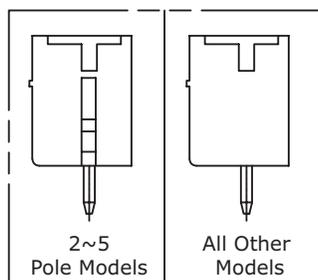
$60.00 < X \leq 100.00$ :  $\pm 1.00$  mm

$100.00 < X \leq 160.00$ :  $\pm 1.30$  mm

$X > 160.00$ :  $\pm 1.60$  mm

unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin



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	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

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rev.	description	date
1.0	initial release	10/07/2021

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

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