

SERIES: TBP03R12-350 | **DESCRIPTION:** TERMINAL BLOCK

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			8	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, 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

TBP03R12-350 - XX BK

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

MECHANICAL DRAWING

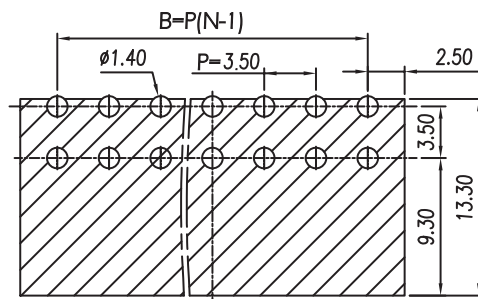
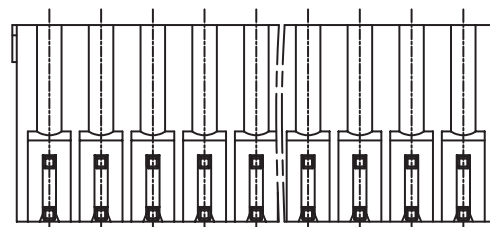
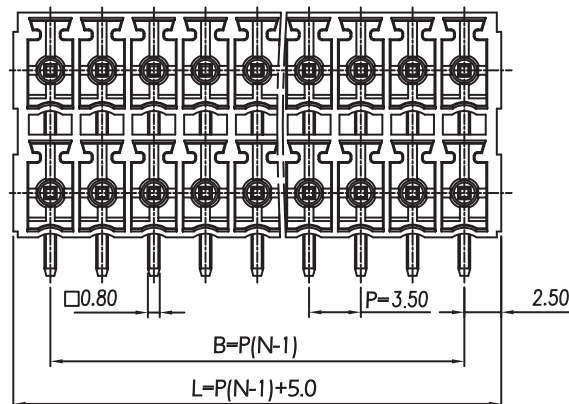
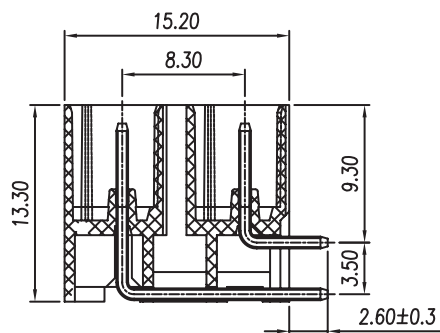
units: mm

tolerance:

 $X \leq 6.00$: ± 0.20 mm $6.00 < X \leq 10.00$: ± 0.30 mm $10.00 < X \leq 30.00$: ± 0.50 mm $30.00 < X \leq 60.00$: ± 0.70 mm $60.00 < X \leq 100.00$: ± 1.00 mm $100.00 < X \leq 160.00$: ± 1.30 mm $X > 160.00$: ± 1.60 mm

unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (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	8.50	12.00	15.50	19.00	22.50	26.00	29.50	33.00	36.50	40.00	43.50	47.00
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	50.50	54.00	57.50	61.00	64.50	68.00	71.50	75.00	78.50	82.00	85.50	--
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

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

CUI DEVICES

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