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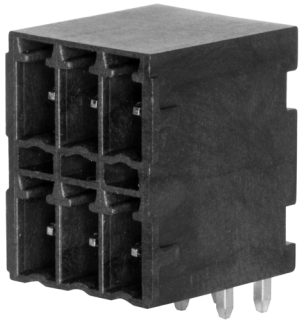
Additional Resources: Product Page | 3D Model | PCB Footprint

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 IEC			300 250	V V
rated current (per contact)	UL IEC			8 8	A 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

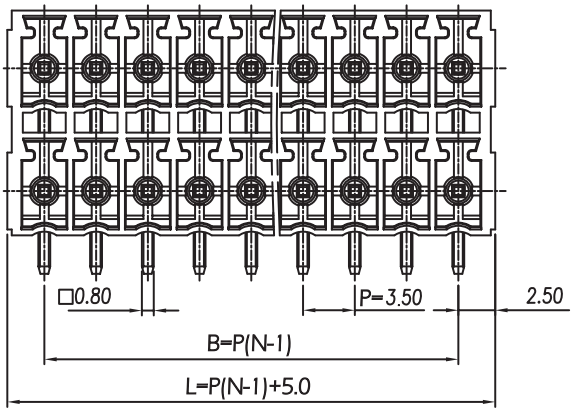
Base Number

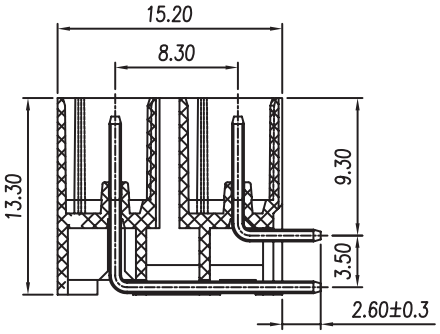
No. of Poles:
02 10 18
03 11 19
04 12 20
05 13 21
06 14 22
07 15 23
08 16 24
09 17

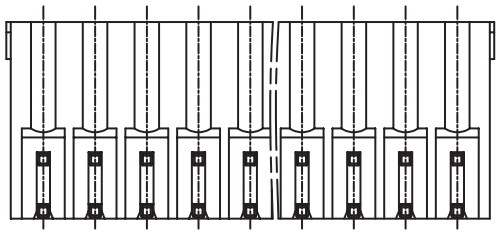
MECHANICAL DRAWING

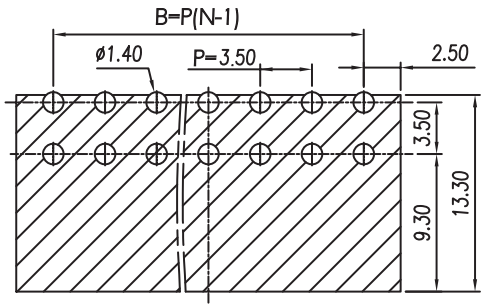
units: mm
tolerance:
X≤6.00: ±0.20 mm
6.00<X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤60.00: ±0.70 mm
60.00<X≤100.00: ±1.00 mm
100.00<X≤160.00: ±1.30 mm
X>160.00: ±1.60 mm
unless otherwise noted

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
1.01	logo, datasheet style update	08/12/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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

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