

**date** 08/15/2022

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# SERIES: TBP02R2-381 | DESCRIPTION: TERMINAL BLOCK

#### **FEATURES**

- 2~24 poles
- · vertical orientation
- 2~6 poles notch quide
- 3.81 mm pitch
- UL and CE safety approvals







### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units	
rated voltage (per contact)	UL IEC			300 250	V	
rated current (per contact)	UL IEC			8 7	A A	
withstanding voltage			2000		Vac	
surge voltage				4000	V	
contact resistance				20	mΩ	
insulation resistance	at 500 Vdc	500			МΩ	
operating temperature		-40		105	°C	
safety approvals	UL 1059, EN 60998-1:2004, EN 60998-2-1:2004					
flammability rating	UL94V-0					
RnHS	Ves					

### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 10 seconds	345	350	355	°C
wave soldering	for maximum 5 seconds	255	260	265	°C

### PART NUMBER KEY

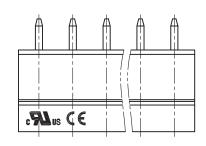
No. of Poles: Base Number Color: 02 10 18 \*BE = blue 03 11 19 GR = green 04 12 20 OR = orange 05 13 21 YL = yellow GY = gray 06 14 22 07 15 23 BK = black 08 16 24 09 17

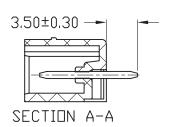
# **MECHANICAL DRAWING**

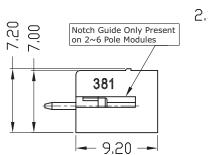
units: mm

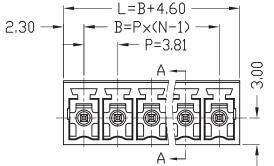
tolerance (per module):  $X \le 6.00$ :  $\pm 0.25$  mm  $6.00 < X \le 30.00$ :  $\pm 0.40$  mm  $30.00 < X \le 60.00$ :  $\pm 0.60$  mm  $60.00 < X \le 150.00$ :  $\pm 1.00$  mm unless otherwise noted

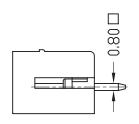
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin

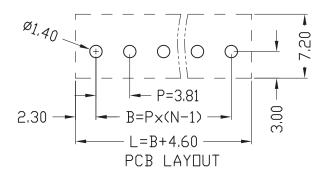












	This series is constructed of single piece modules where L is the total length, P is the pitch, and N is the number of poles.											
N	02	03	04	05	06	07	08	09	10	11	12	13
L	8.41	12.22	16.03	19.84	23.65	27.46	31.27	35.08	38.89	42.70	46.51	50.32
В	3.81	7.62	11.43	15.24	19.05	22.86	26.67	30.48	34.29	38.10	41.91	45.72
N	14	15	16	17	18	19	20	21	22	23	24	
L	54.13	57.94	61.75	65.56	69.37	73.18	76.99	80.80	84.61	88.42	92.23	
В	49.53	53.34	57.15	60.96	64.77	68.58	72.39	76.20	80.01	83.82	87.63	

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

CUI DEVICES | SERIES: TBP02R2-381 | DESCRIPTION: TERMINAL BLOCK

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### **REVISION HISTORY**

rev.	description	date
1.0	initial release	03/27/2019
1.01	brand update	02/07/2020
1.02	updated datasheet	04/21/2020
1.03	logo, datasheet style update	08/15/2022

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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