

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			300	V	
	IEC			250	V	
rated current (per contact)	UL			8	Α	
rated current (per contact)	IEC			7	Α	
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

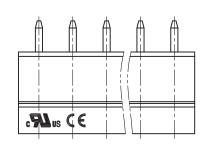
No. of Poles: Base Number Color: 02 10 18 *BE = blue 03 11 19 GR = green 04 12 20 OR = orange 05 13 21 YL = yellow GY = gray 06 14 22 07 15 23 BK = black 08 16 24 09 17

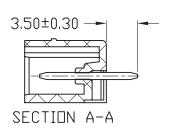
MECHANICAL DRAWING

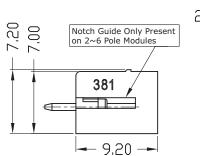
units: mm

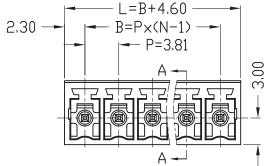
tolerance (per module): $X \le 6.00$: ± 0.25 mm $6.00 < X \le 30.00$: ± 0.40 mm $30.00 < X \le 60.00$: ± 0.60 mm $60.00 < X \le 150.00$: ± 1.00 mm unless otherwise noted

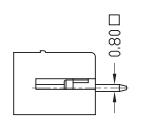
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin

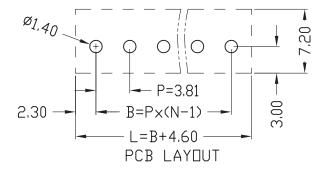












	This series is constructed of single piece modules where L is the total length, P is the pitch, and N is the number of poles.											
N	02	03	04	05	06	07	08	09	10	11	12	13
L	8.41	12.22	16.03	19.84	23.65	27.46	31.27	35.08	38.89	42.70	46.51	50.32
В	3.81	7.62	11.43	15.24	19.05	22.86	26.67	30.48	34.29	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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CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.