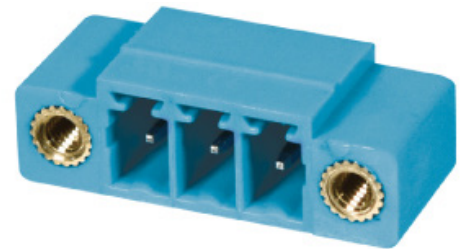


## SERIES: TBP02R1W-381 | DESCRIPTION: TERMINAL BLOCK

### FEATURES

- 2~24 poles
- horizontal orientation
- mating flange
- 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	A
	IEC			7	A
withstanding voltage			2000		Vac
surge voltage				4000	V
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	500			MΩ
operating temperature		-40		105	°C
safety approvals	UL 1059, EN 60998-1:2004, EN 60998-2-1:2004				
flammability rating	UL94V-0				
RoHS	yes				

### 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

#### TBP02R1W-381 - XX XX

Base Number

No. of Poles:

Color:

- 02 10 18
- 03 11 19
- 04 12 20
- 05 13 21
- 06 14 22
- 07 15 23
- 08 16 24
- 09 17

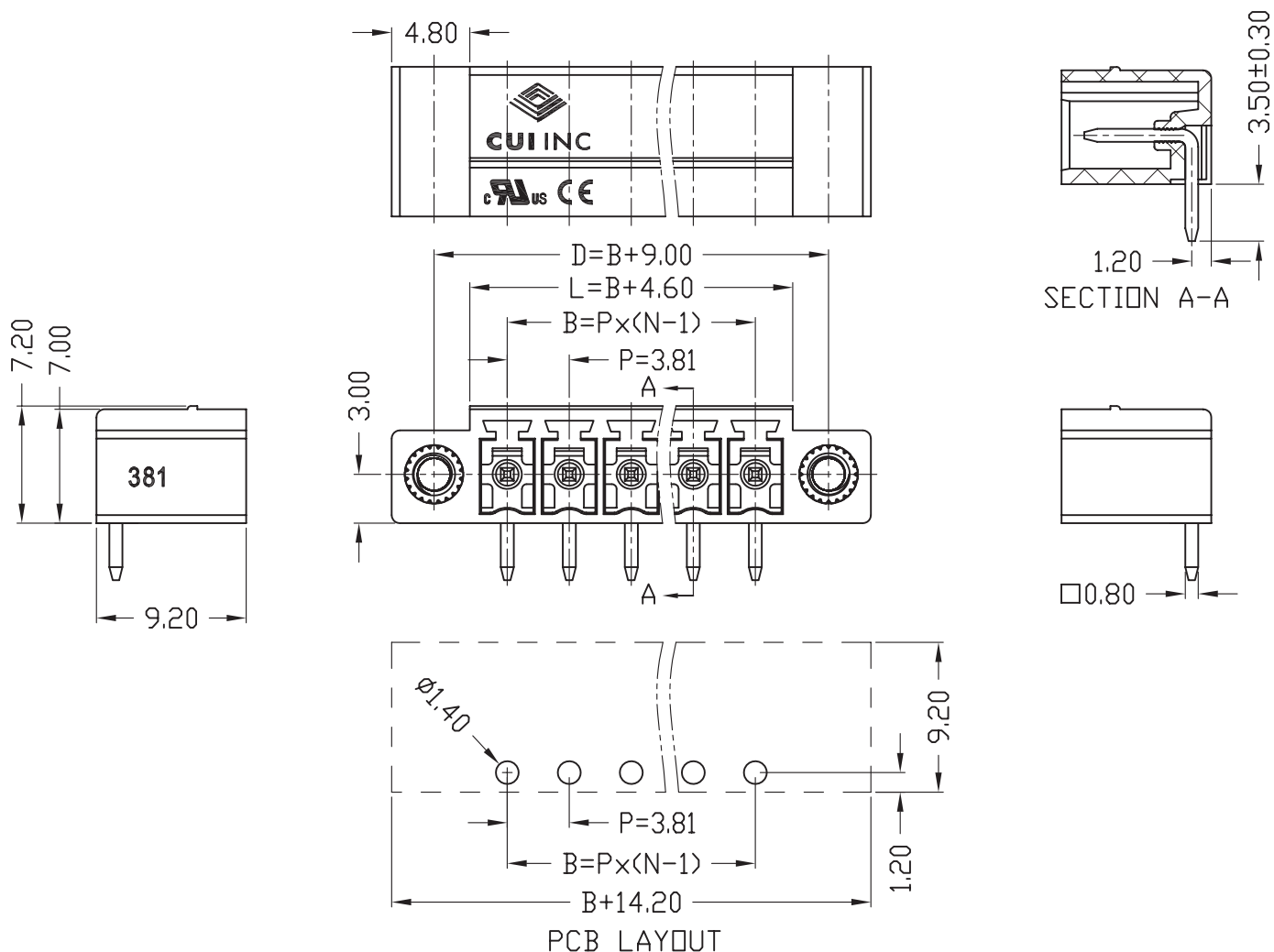
- \*BE = blue
- GR = green
- OR = orange
- YL = yellow
- GY = gray
- BK = black

\*Standard housing color is blue. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

## MECHANICAL DRAWING

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

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin
locking inserts (M2.5, 0.4 N·m)	brass	



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
B	3.81	7.62	11.43	15.24	19.05	22.86	26.67	30.48	34.29	38.10	41.91	45.72
D	12.81	16.62	20.43	24.24	28.05	31.86	35.67	39.48	43.29	47.10	50.91	54.72
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	--
B	49.53	53.34	57.15	60.96	64.77	68.58	72.39	76.20	80.01	83.82	87.63	--
D	58.53	62.34	66.15	69.96	73.77	77.58	81.39	85.20	89.01	92.82	96.63	--

## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/27/2019
1.01	brand update	02/07/2020
1.02	updated datasheet	04/21/2020

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

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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.

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