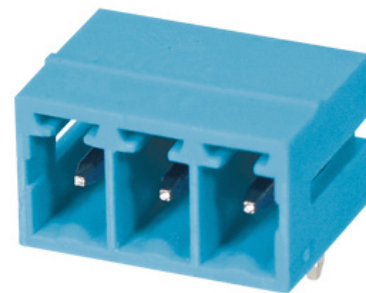


SERIES: TBP02R1-381 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~24 poles
- horizontal orientation
- 2~6 poles notch guide
- 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**TBP02R1-381 - XX XX**

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	

Color:

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

MECHANICAL DRAWING

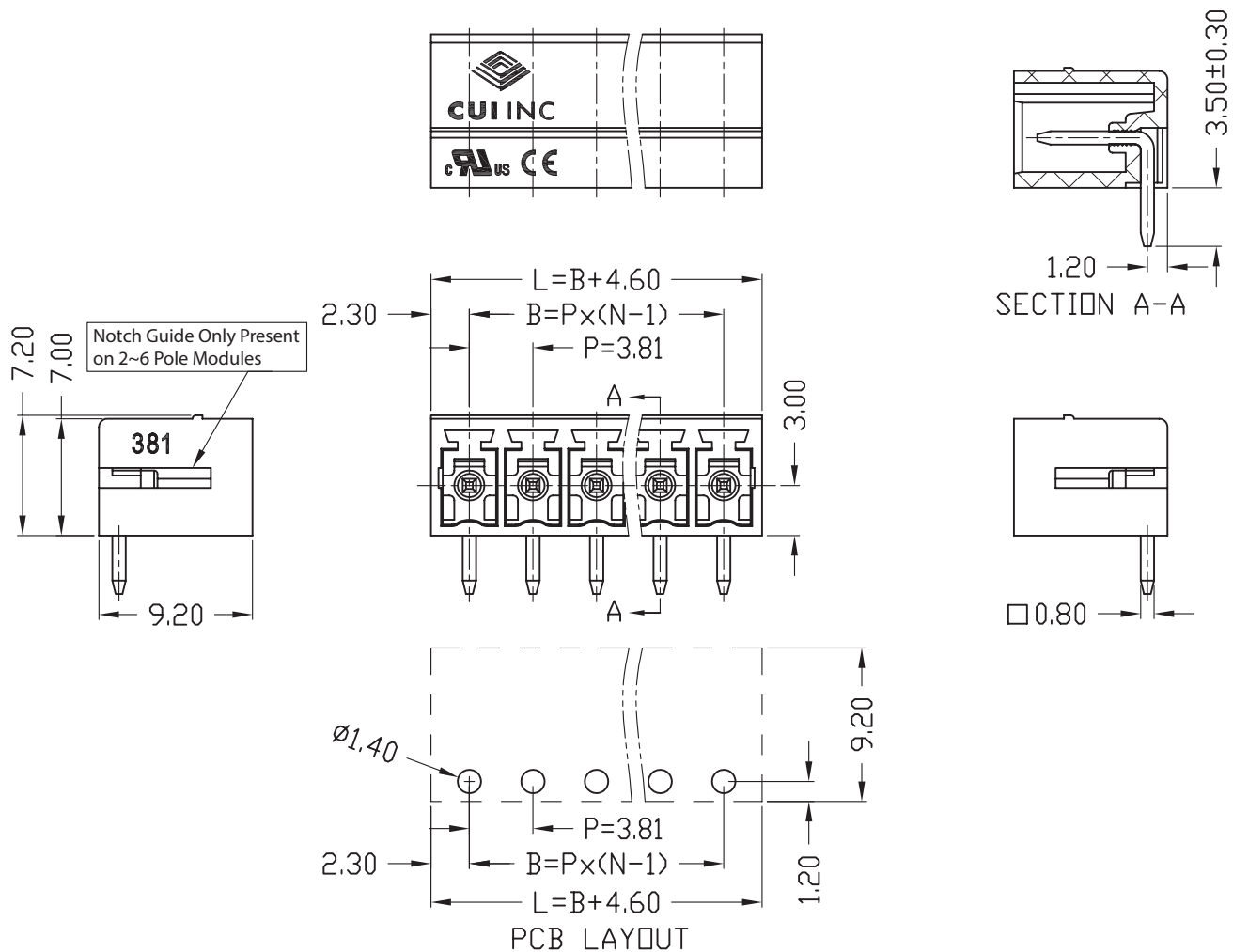
units: mm

tolerance (per module):

 $X \leq 6.00$: ± 0.25 mm $6.00 < X \leq 30.00$: ± 0.40 mm $30.00 < X \leq 60.00$: ± 0.60 mm $60.00 < X \leq 150.00$: ± 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
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
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	--

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

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

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