CUI Devices is now Same Sky! Learn More

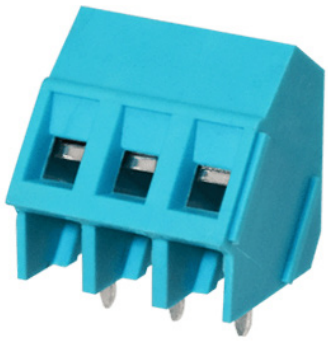
same sky

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

SERIES: TB008A-508 | DESCRIPTION: TERMINAL BLOCK

FEATURES

- 2~24 poles
- 45° with board
- interlocking (side)
- 5.08 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			16 24	A A
withstanding voltage			2500		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

TB008A-508 - X XX XX

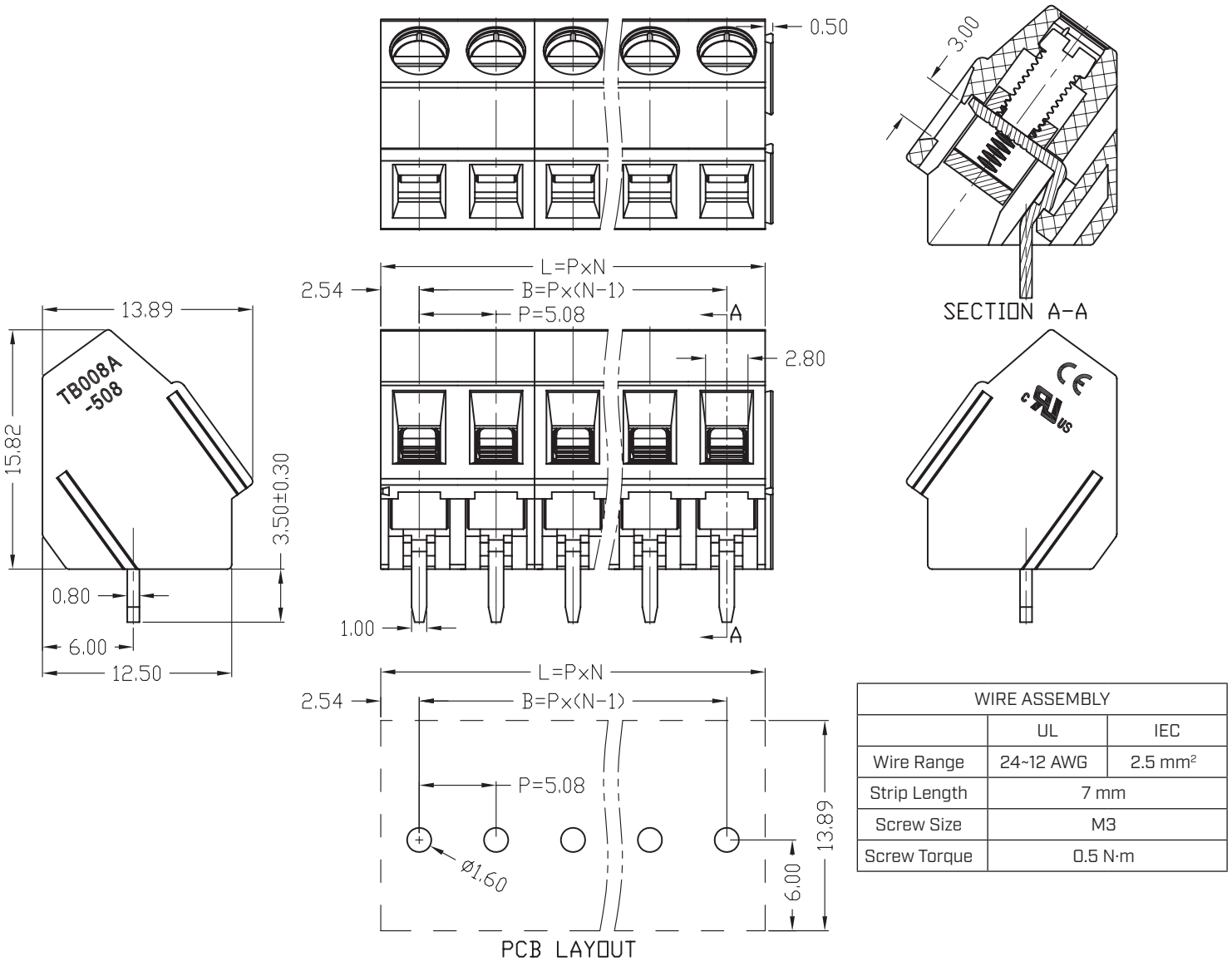
- Base Number
- Screw Type: "blank" = Slot; P = Phillips
- No. of Poles: 02 10 18; 03 11 19; 04 12 20; 05 13 21; 06 14 22; 07 15 23; 08 16 24; 09 17
- Color: *BE = blue; GR = green; OR = orange; YL = yellow; GY = gray; BK = black

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

MECHANICAL DRAWING

units: mm
tolerance (per module):
X≤6.00: ±0.25 mm
6.00<X≤30.00: ±0.40 mm
unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin
screws	steel	zinc
block	copper alloy	nickel



WIRE ASSEMBLY		
	UL	IEC
Wire Range	24~12 AWG	2.5 mm²
Strip Length	7 mm	
Screw Size	M3	
Screw Torque	0.5 N·m	

This series can be constructed of 2 and 3 pole 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	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96	66.04
B	5.08	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96
N	14	15	16	17	18	19	20	21	22	23	24	--
L	71.12	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	121.92	--
B	66.04	71.12	76.20	81.28	86.36	91.44	96.52	101.60	106.68	111.76	116.84	--

REVISION HISTORY

rev.	description	date
1.0	initial release	03/13/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/20/2020
1.03	logo, datasheet style update	08/15/2022
1.04	CUI Devices rebranded to Same Sky	09/12/2024

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

same sky

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

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