

MODEL: HSB43-454515P | **DESCRIPTION:** HEAT SINK

FEATURES

- BGA design
- push pins
- aluminum alloy
- black anodized finish



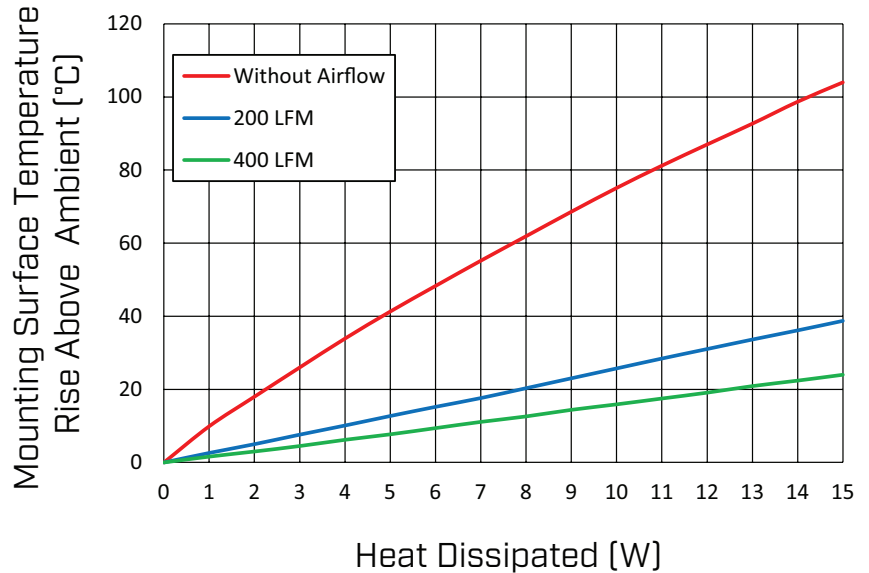
MODEL

	thermal resistance ¹				power dissipation ¹ @ 75°C ΔT, nat conv [W]
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	
HSB43-454515P	7.51	9.9	2.6	1.6	9.99

Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	9.9	2.6	1.6
2	18.0	5.0	3.0
3	26.0	7.6	4.5
4	33.9	10.1	6.2
5	41.3	12.7	7.7
6	48.3	15.2	9.4
7	55.2	17.6	11.1
8	61.9	20.3	12.6
9	68.6	23.0	14.4
10	75.1	25.7	15.9
11	81.2	28.4	17.5
12	87.0	31.0	19.1
13	92.7	33.6	20.9
14	98.7	36.1	22.4
15	104.0	38.7	24.0

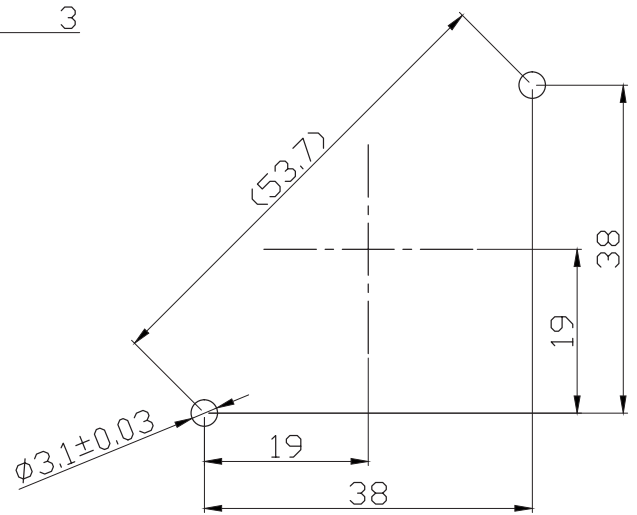
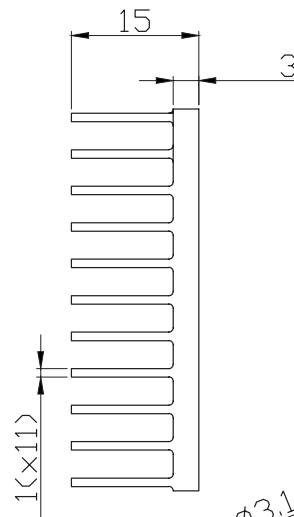
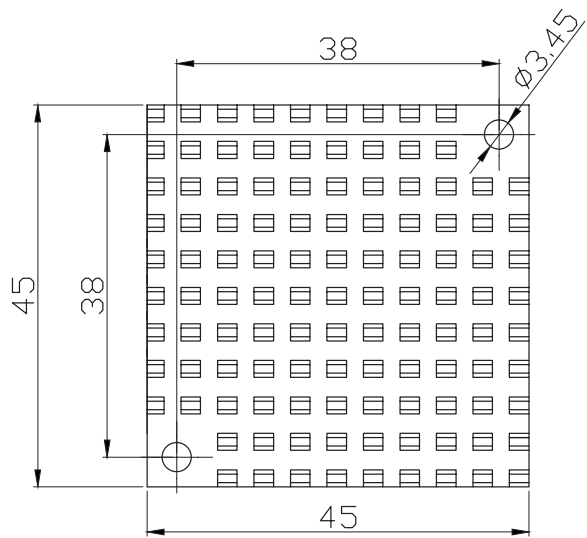


Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

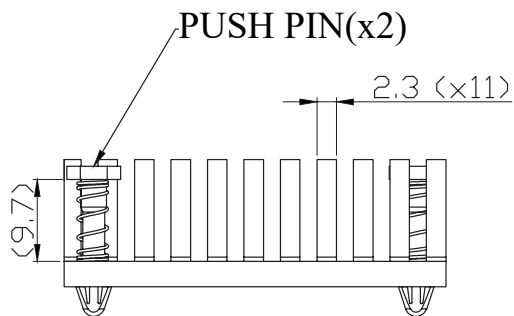
MECHANICAL DRAWING

units: mm
 tolerance:
 X.X ±0.10 mm
 X.XX ±0.05 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	nylon 66
SPRING	spring steel, zinc plated
WEIGHT	25 g



Recommended PCB Layout
Top View



REVISION HISTORY

rev.	description	date
1.0	initial release	03/01/2024
1.01	CUI Devices rebranded to Same Sky	09/12/2024
1.02	added recommended PCB layout	03/19/2025
1.03	factory location change	02/24/2026

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



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

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