

**MODEL:** HSB42-353519P | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- push pins
- aluminum alloy
- clean finish

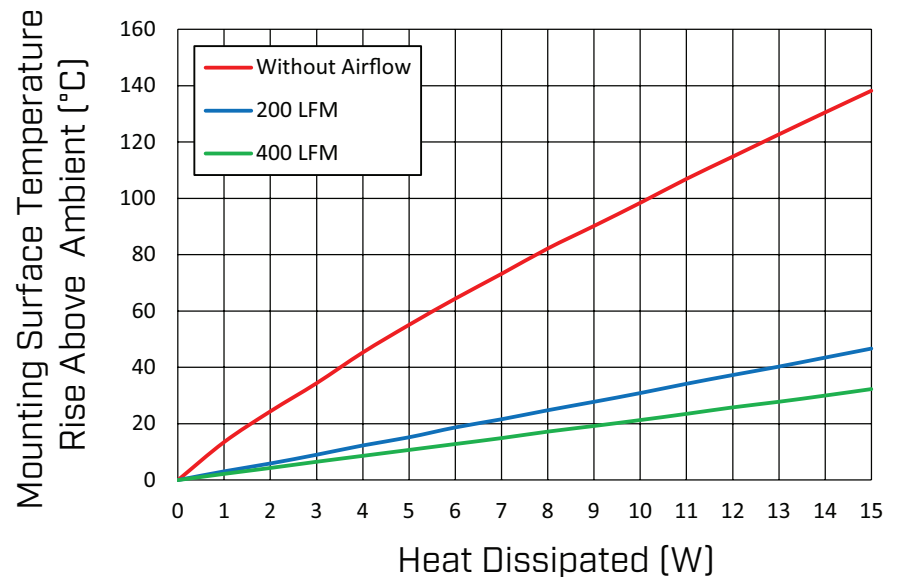
**MODEL**

	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]	
HSB42-353519P	10.47	13.5	3.1	2.2	7.17

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	13.5	3.1	2.2
2	24.4	5.9	4.3
3	34.4	9.0	6.5
4	45.3	12.3	8.6
5	55.1	15.2	10.7
6	64.4	18.7	12.8
7	73.2	21.6	14.9
8	82.2	24.8	17.2
9	90.2	27.8	19.2
10	98.4	30.9	21.3
11	106.9	34.2	23.5
12	114.8	37.3	25.8
13	122.7	40.3	27.8
14	130.5	43.5	30.0
15	138.2	46.7	32.3

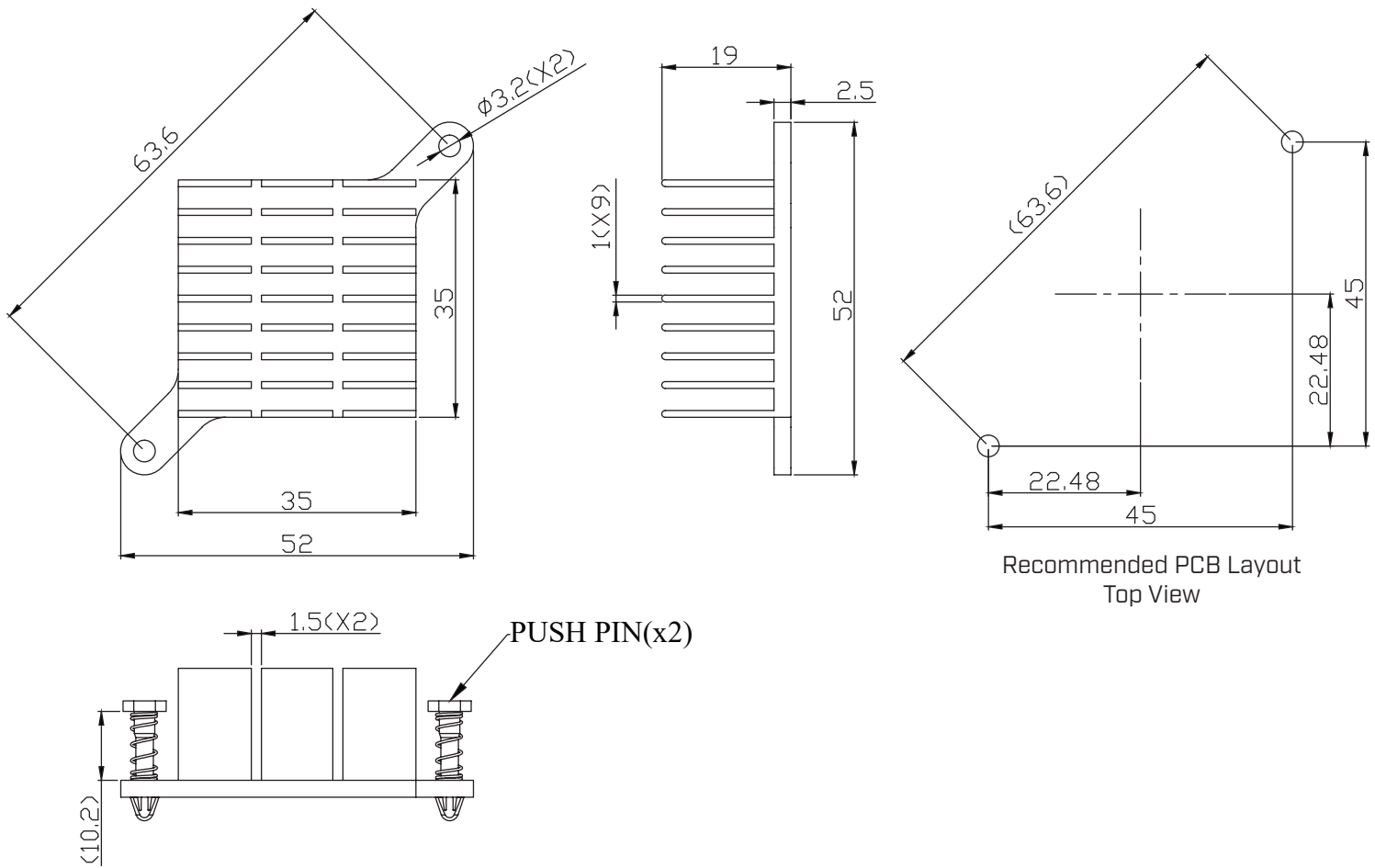


Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

MECHANICAL DRAWING

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

MATERIAL	AL 6063-T5
FINISH	clean
PUSH PIN	nylon 66
SPRING	spring steel, zinc plated
WEIGHT	34 g



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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