

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

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

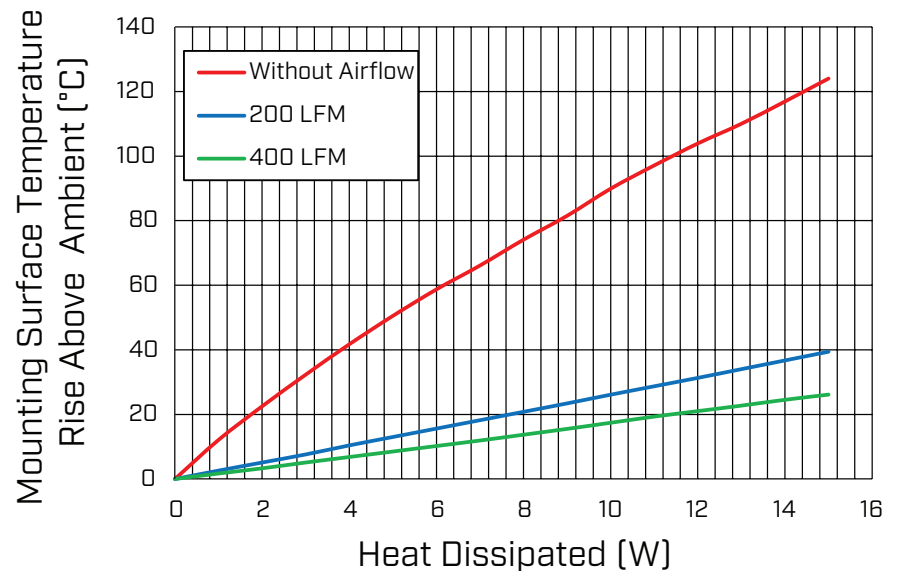
**MODEL**

	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT , nat conv [W]
HSB42-353519P	9.16	12.1	2.6	1.7	8.18

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	12.1	2.6	1.7
2	22.5	5.1	3.3
3	32.3	7.6	5.1
4	41.7	10.4	6.8
5	50.5	13.0	8.5
6	58.7	15.6	10.2
7	66.1	18.2	11.9
8	74.1	20.8	13.7
9	81.5	23.4	15.5
10	89.9	26.1	17.4
11	97.1	28.7	19.3
12	103.9	31.3	21.0
13	110.0	34.0	22.7
14	116.9	36.7	24.5
15	124.0	39.4	26.1

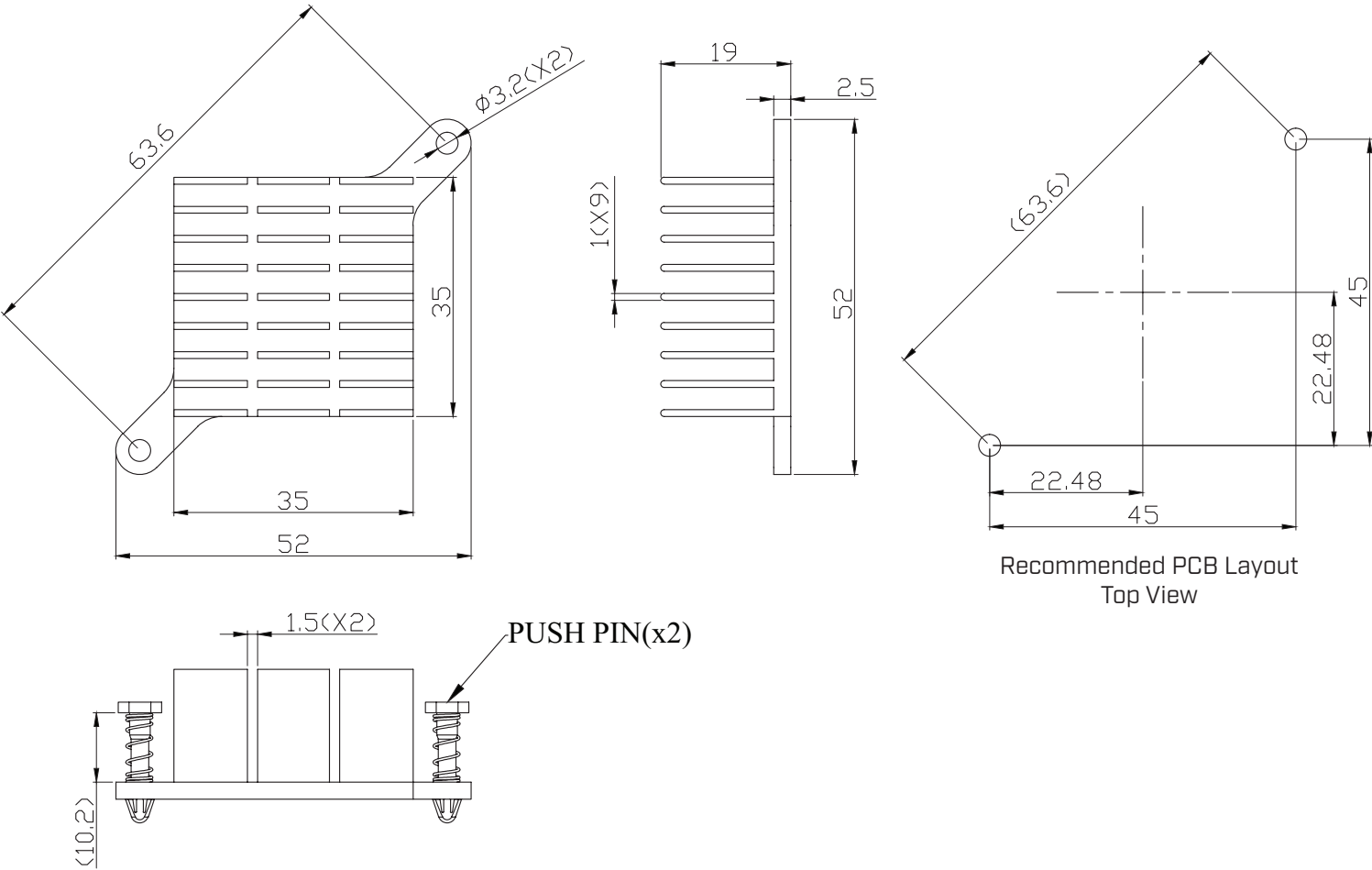


T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 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

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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