

SERIES: HSS-B20-01 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- available with and without solder pin
- slide in style for easy component attachment
- black anodized finish



MODEL

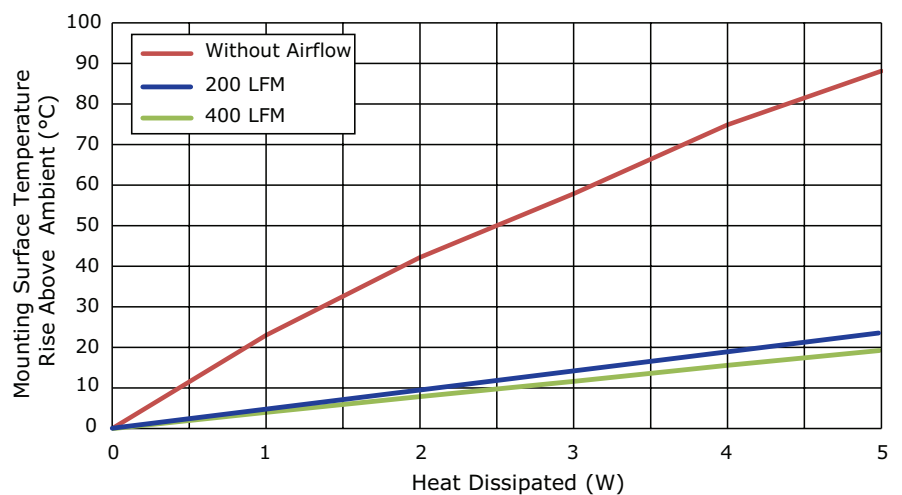
MODEL	solder pin		thermal resistance ¹				power dissipation ¹
	orientation	length (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-061H	horizontal	6.1	18.63	23.05	5.01	4.01	4.02
HSS-B20-0953H	horizontal	9.53	18.63	23.05	5.01	4.01	4.02
HSS-B20-065V	vertical	6.5	18.63	23.05	5.01	4.01	4.02
HSS-B20-NP	no pin	--	18.63	23.05	5.01	4.01	4.02

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

PERFORMANCE CURVES

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) (°C)		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	23.05	5.01	4.01
2	42.19	9.68	7.89
3	57.90	14.39	11.64
4	74.85	18.96	15.57
5	88.08	23.63	19.26

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

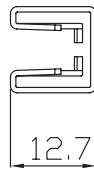
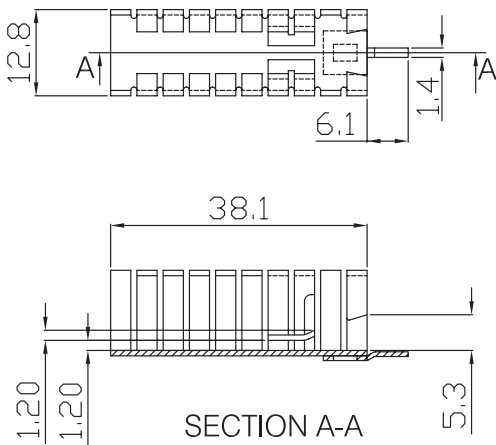


MECHANICAL DRAWING

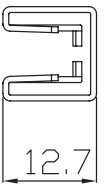
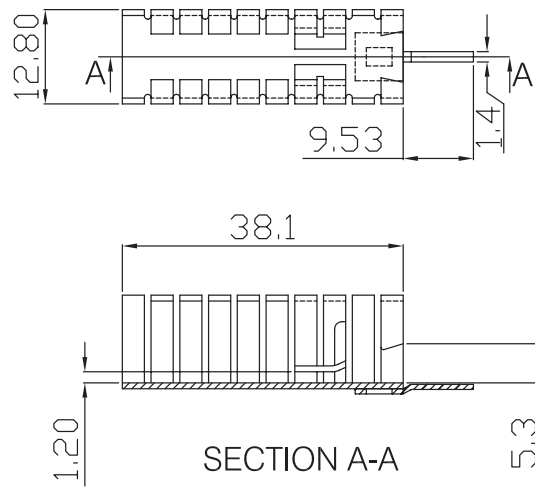
units: mm
tolerance: ± 0.5 mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-061H: 3.1 g HSS-B20-0953H: 3.1 g HSS-B20-065V: 3.1 g HSS-B20-NP: 3.0 g

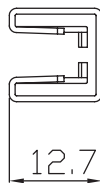
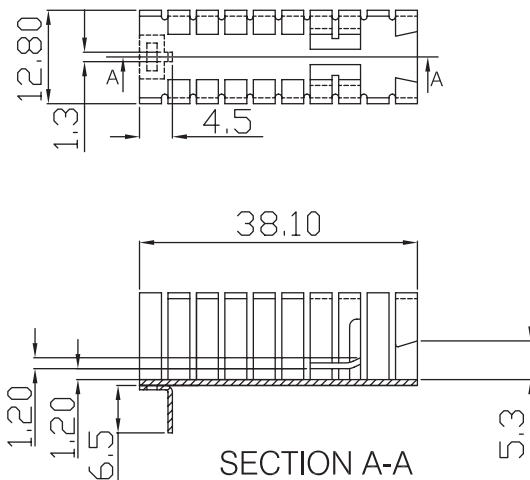
HSS-B20-061H



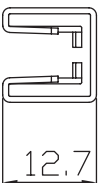
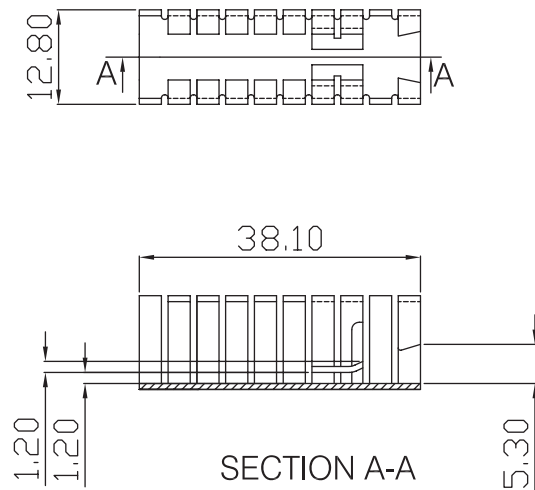
HSS-B20-0953H



HSS-B20-065V



HSS-B20-NP



REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/11/2020

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

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