



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP612B1-V3-PWM

ENGINEER NO: SC612B1-V3-PWM



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Approval Sheet Revisement Record

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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heat sink	01AH612EP1	1	AL+Cu
2	Clip(fan set)	03CM057	1	Metal
3	Screw	03SW142	1	Plastic
4	FAN	SF06075B2L4W3- PWM	1	Plastic

2. Multi views and images

2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view

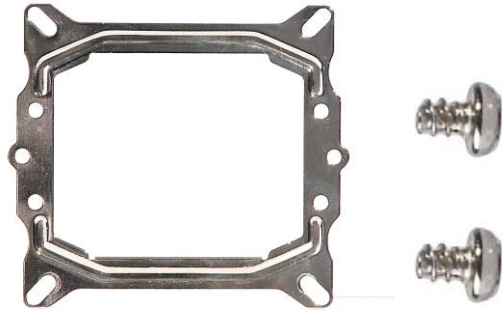


Picture 4 : Side view

2.2 Components images



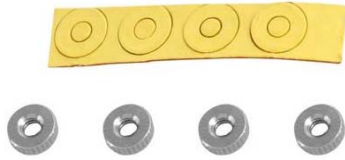
Picture 1 : Heatsink



Picture 2: Clip + screw



2.3 Picture for accessories



Picture 3: Intel washer+nut



Picture 4: Fixing bolt #6-32 X33.5mm



Picture 5: Fixing bolt (#6-32)



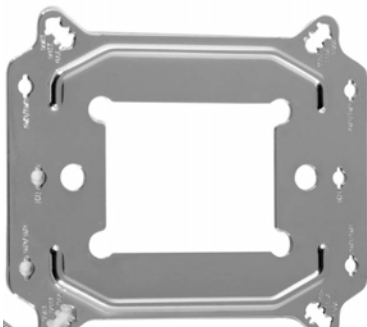
Picture 6: AMD washer + bolt



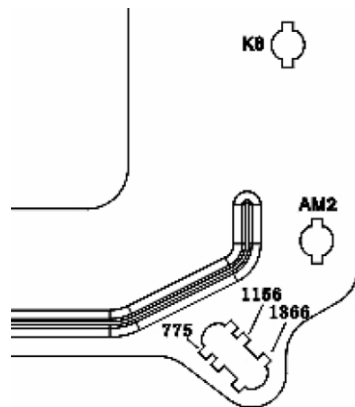
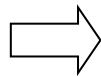
Picture 7: AMD fixing bracket+bolt



Picture 8: Thermal grease



Picture 9: Common backboard





3. Features and Specifications:

Main features:

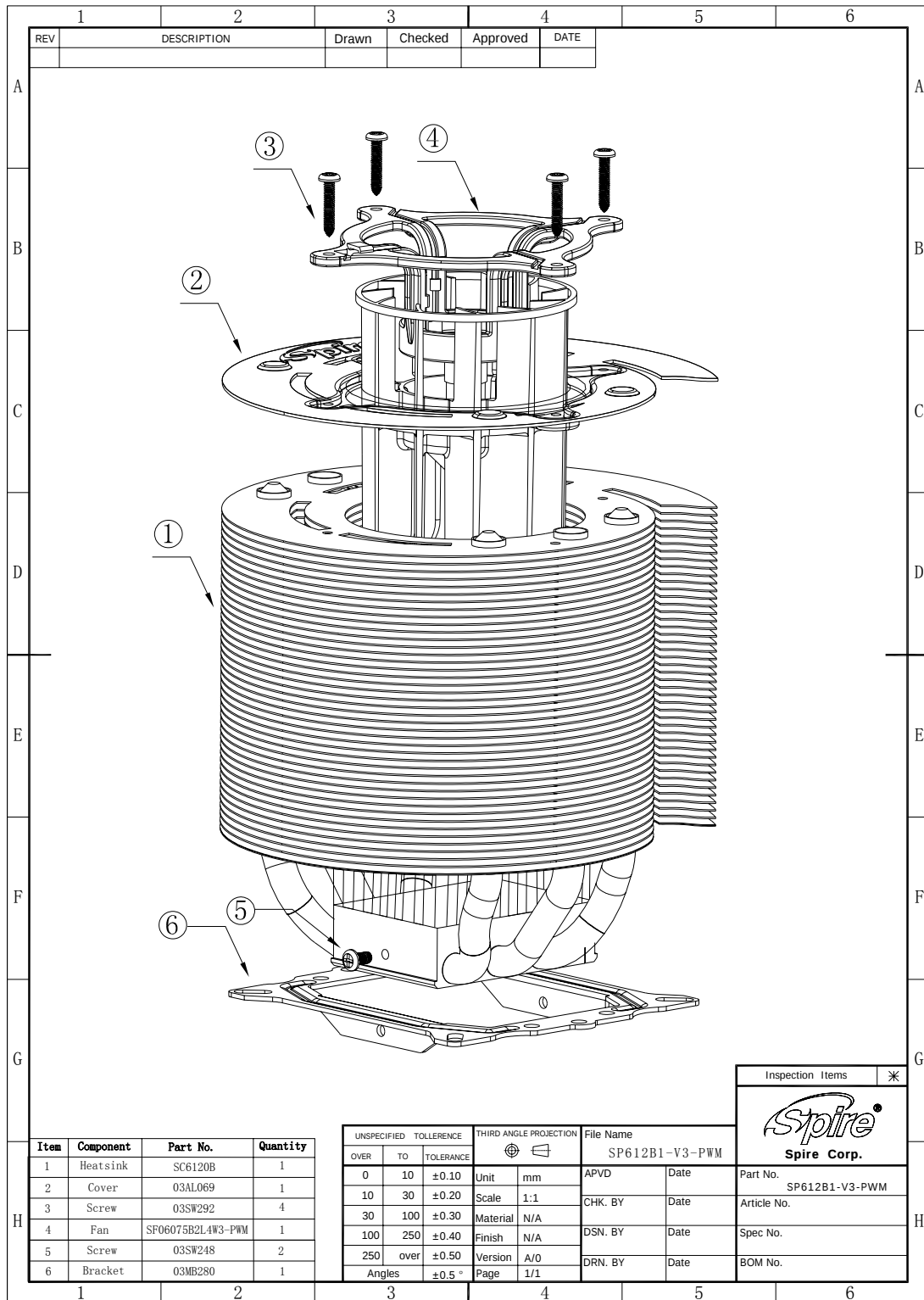
- Three 8mm all copper u shaped heat-pipes
- Vertical 8cm long 9 blade fan design
- 45 stamped Aluminum Micro-Fin`s
- Supports the latest Intel &AM2 micro-processors

Specifications:

Dimensions	Heat sink : 125X121.2XID62mm	
	12VDC Fan : 60X60X75 mm	
Material	AL+CU	
Heatpipe	Three(3) 8mm all copper U-shaped	
Bearing	One ball one Sleeve Bearing	
Rated speed	Cooler	600~2000 RPM
	Single fan	600~2000 RPM
Rated power	1.56 W	
Rated Voltage	12V	
Noise level	min rpm 10 Dba or max rpm 26.0 Dba	
Air flow	83.12 max.CFM	
Current	0.13A	
Life hours	50,000H	
Connector	4 pin, main board	
Application	AMD/Intel:	AM2/AM3+ and Intel LGA775/i3/i5/i7
Thermal resistance	0.282°C/W	
TDP	130W	
Thermal type	ST-802	
weight	690g(Cooler only)	

4. Product Drawing

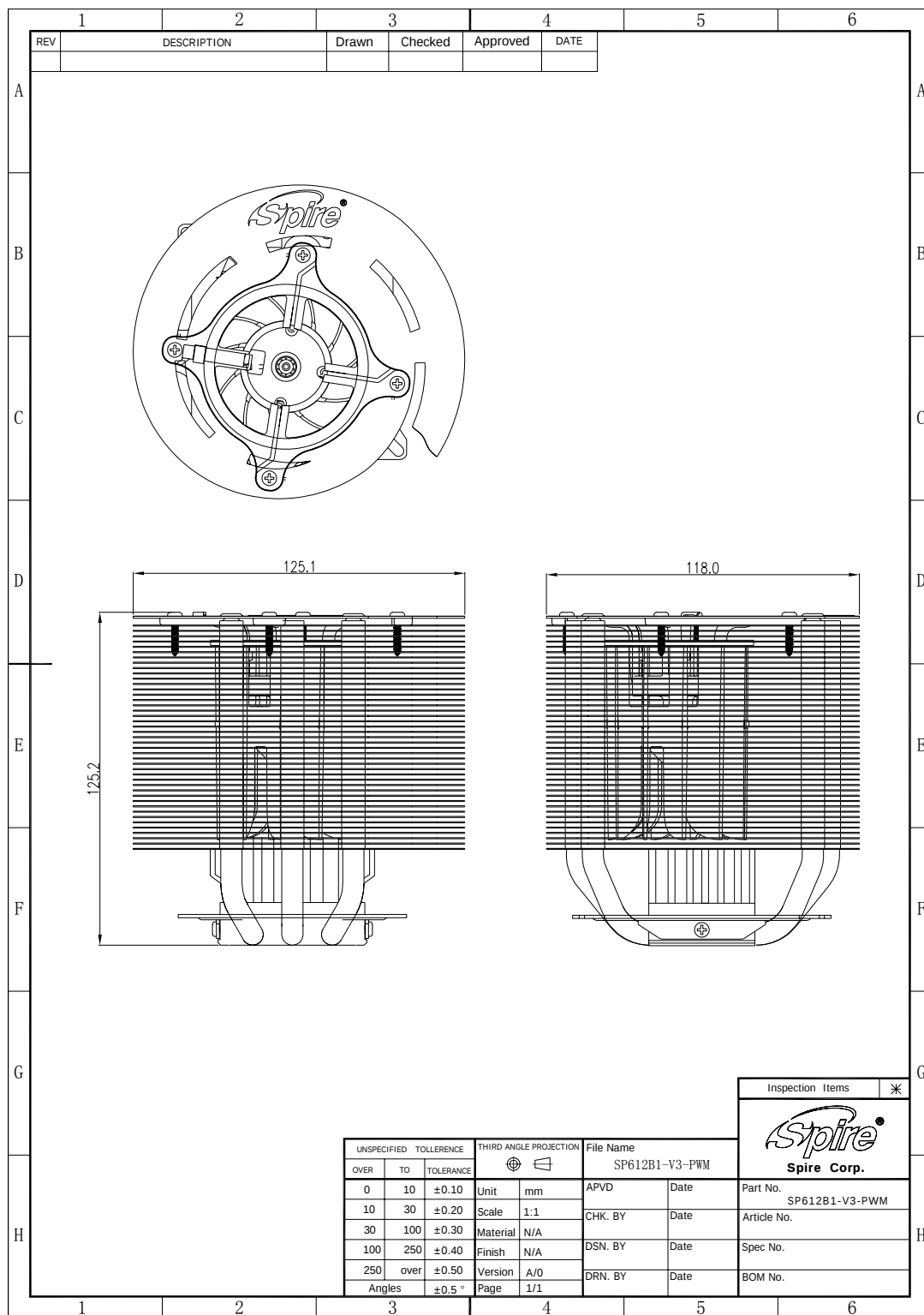
4.1 Assembly Drawing





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4.2 Cooler





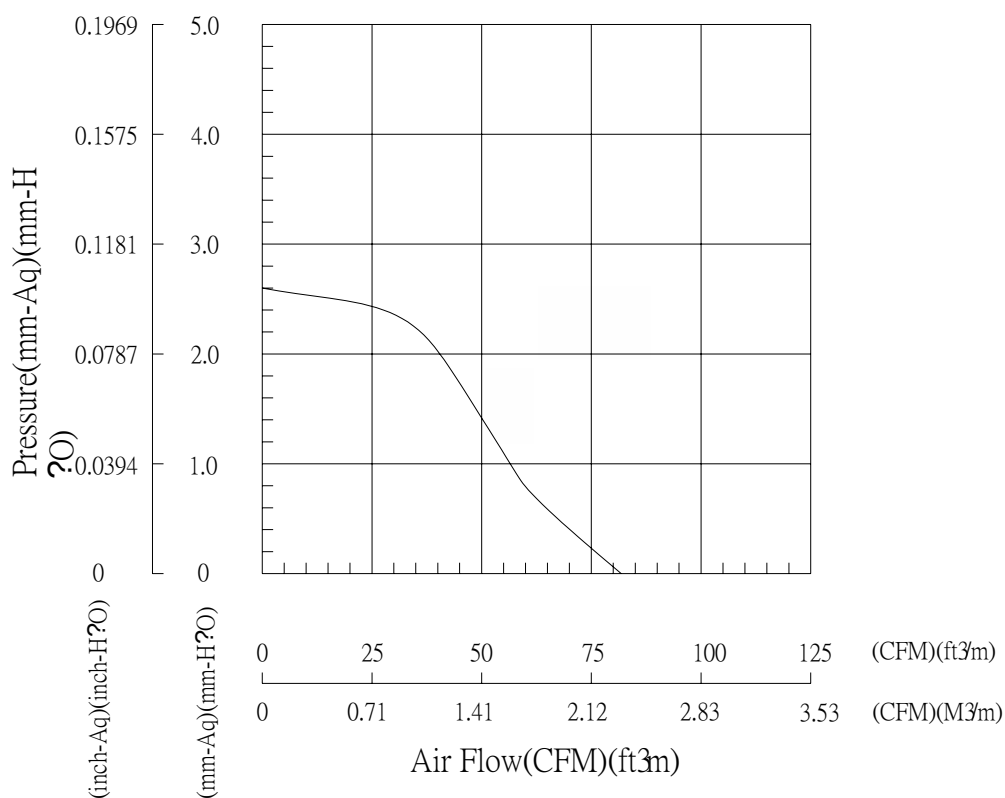
5. Fan Specification:

FAN MODEL: SF06075B2L4W3-PWM

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed (Single fan)	: 600~2000 rpm(Full PWM)
4) Rated Current	: 0.13A(Full PWM)
5) Rated Power	: 1.56WATTS(Full PWM)
6) Static Pressure	: 2.58 mm-H ₂ O(Full PWM)
7) Air Flow	: 83.12CFM(Full PWM)
8) Min Noise Level	:10dba
9) MAX Noise Level	: 26dba
10) Operating Temperature	: -10 to 70℃
11) Storage Temperature	: -40 to 70℃
12) Bearing System	: Ball Bearing
13) Connector	: 4 pin
14) Weight	: 66 g



6. P&Q Characteristic curves





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7. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-808E	www.bontek.com.cn	
2	LVD	BCT07LC-808S	www.bontek.com.cn	
3	FCC	ASZ08041007FK	www.aovt.com	
4	ROHS	BCT08AC-002R	www.rohs.cn.com	
5	TUV	R 501275070001	www.sz.chn.tuv.com	