



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP984B1-V3-PWM

ENGINEER NO: SC984B1-V3-PWM



Article No. : SP-AP-SC-A403	Audited by
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Checked by	Drafted by

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[Http://www.spirecoolers.com](http://www.spirecoolers.com)

[Http://www.spirepower.com](http://www.spirepower.com)

[Http://www.spire-corp.com](http://www.spire-corp.com)



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Approval Sheet Revisement Record

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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Cooler	SC984B1-1	1	AL+CU
2	Fan	SF12025N7H4-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 : Right view

2.2 Components images



Picture 1 : Cooler



Picture 2: Fan



Picture 3: Accessories



Picture 4: Fan Label



Picture 5: 4pin connector



3. Features and Specifications:

Main features:

Two (2) 120mm BlackStar 7 blade PWM fan design

High Quality, Long MTBF Nano precision bearing

Anti-Vibe universal rubber fan mountings (crews)

Supports AM2/AM3 socket 939/940/ 775/1156 & 1366 incl. Intel Core i7

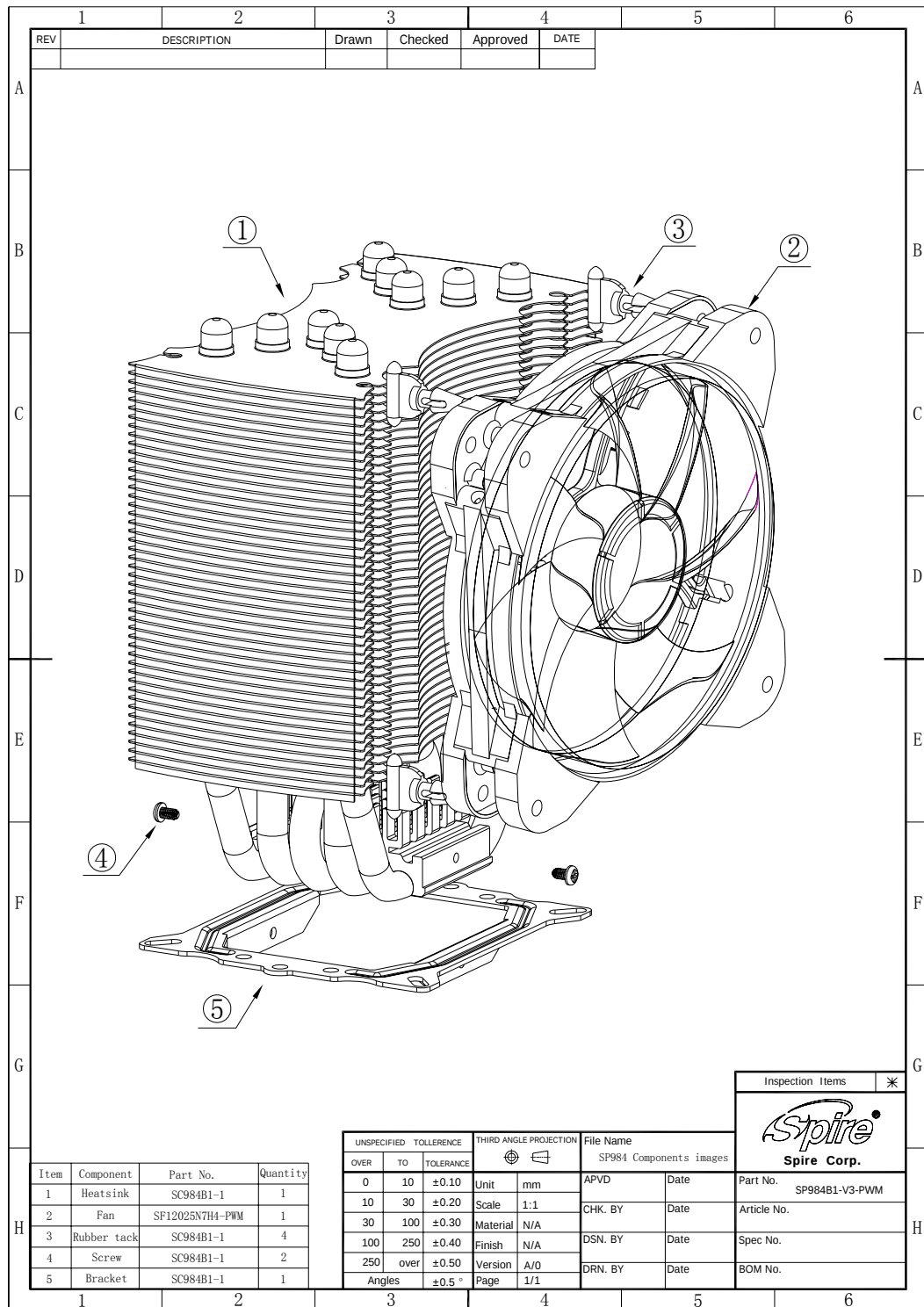
Extreme 150W

Specifications:

Dimensions	Heat sink : 131X70X152mm	
	12VDC Fan : 120X120X25mm	
Material	AL+CU	
heatpipe	Five(5) 8mm all copper U-shaped direct	
Bearing	Nano precision Bearing	
Rated speed	Cooler	800~2200 RPM +/-10%(Full PWM)
	Single fan	800~2200 RPM +/-10%(Full PWM)
Rated power	2.88W	
Noise level	29 dBA(Full PWM)	
Air flow	94.36CFM (Full PWM)	
Current(MAX)	0.24A(Full PWM)	
Life hours	Nano precision Bearing 50,000 H	
Connector	4 pin, main board	
Application	AMD AM2	Socket754/939/940 Intel LGA775 & LGA1156&LGA1366 All catena
Thermal resistance	0.091°C/W	
TDP(Watt)	150W	
Thermal resistance	0.091 °C/W	
weight	822g(Cooler only)	

4. Product Drawing

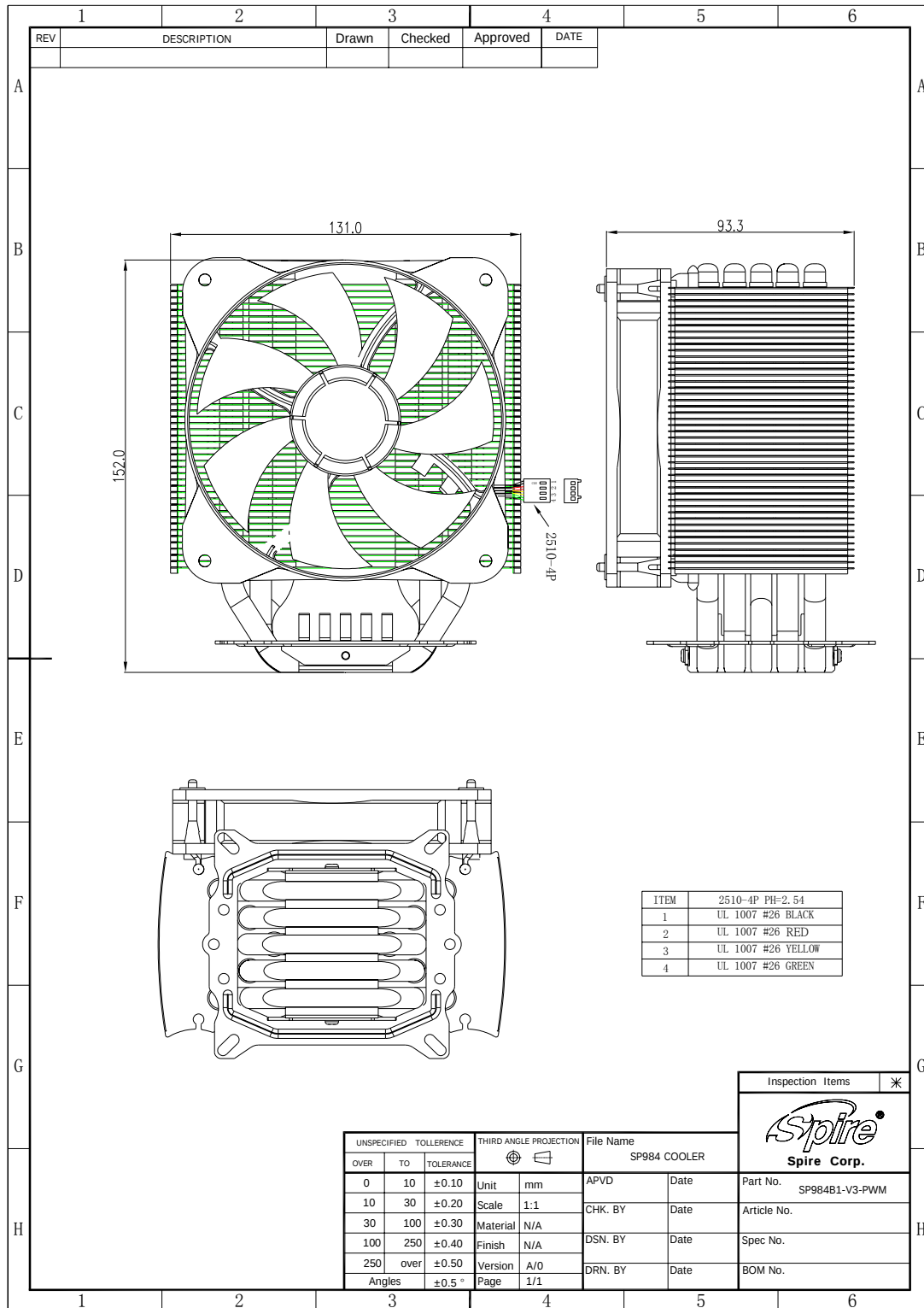
4.1 Assembly Drawing





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4.2 Cooler





5. Fan Specification:

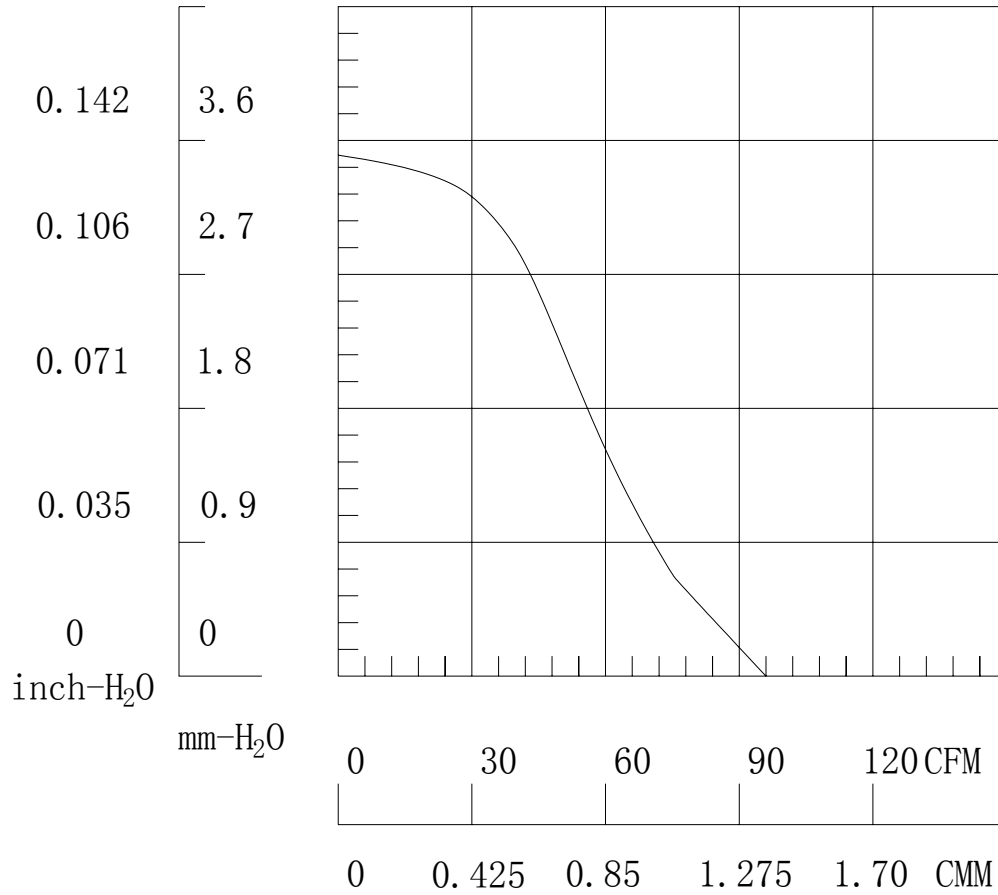
FAN MODEL: SF12025N7H4-PWM

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed(Single fan)	: 800~2200RPM $\pm$ 10%(Full PWM)
4) Static Pressure	: 3.15 mm-H ₂ O(Full PWM)
5) Air Flow	: 94.36CFM(Full PWM)
6) Rated Current(max)	: 0.24 A(Full PWM)
7) Rated Power	: 2.88WATTS(Full PWM)
8) Noise Level	: 29 dB(A) (Full PWM)
9) Operating Temperature	: -10 to 70 ° C
10) Storage Temperature	: -40 to 70 °C
11) Bearing System	: Nano precision Bearing
12) Connector	: 4 pin
13) Weight	: 110 g



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6. P&Q Characteristic curves





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7. ~~Correlative Certification compliance~~

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-807E	www.bontek.com.cn	
2	LVD	BCT07LC-807S	www.bontek.com.cn	
3	FCC	ASZ08041007FK	www.aovt.com	
4	ROHS	GZ0803038947A/CHEM	www.rohs.cn.com	
5	TUV	R50131773	www.sz.chn.tuv.com	