



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP854S3-1-PWM

ENGINEER NO: SC854S3-1-PWM



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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)



Spire Corp.

Approval Sheet Revisement Record

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Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.
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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	01CA854AW2	1	AL+CU
2	AM2 Clip	03CM048	1	Metal
3	Screw	03SW024	4	Metal
4	Fan	SF09025SRM3W2-P	1	Plastic

2. Multi views and images

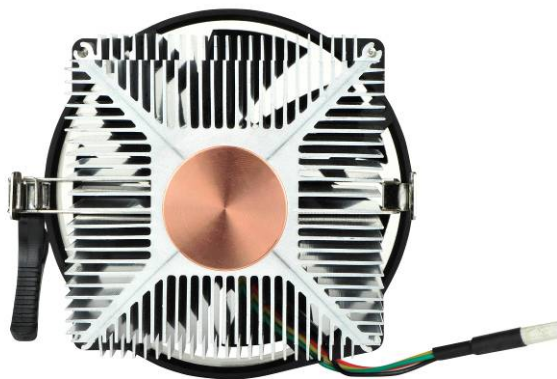
2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view



Picture 4 : Right view

2.2 Components images



Picture 1 : Heatsink



Picture 2 : AM2 Clip



Picture 3: Screw



Picture 4: FAN



Picture 5: Fan Label



Picture 6: 4 pin (2510)



3. Features and Specifications:

Main features:

Supports all new AM2/AM3/AM3+/FM1 micro-processors

95x25mm Sleeve bearing fan for silent operation

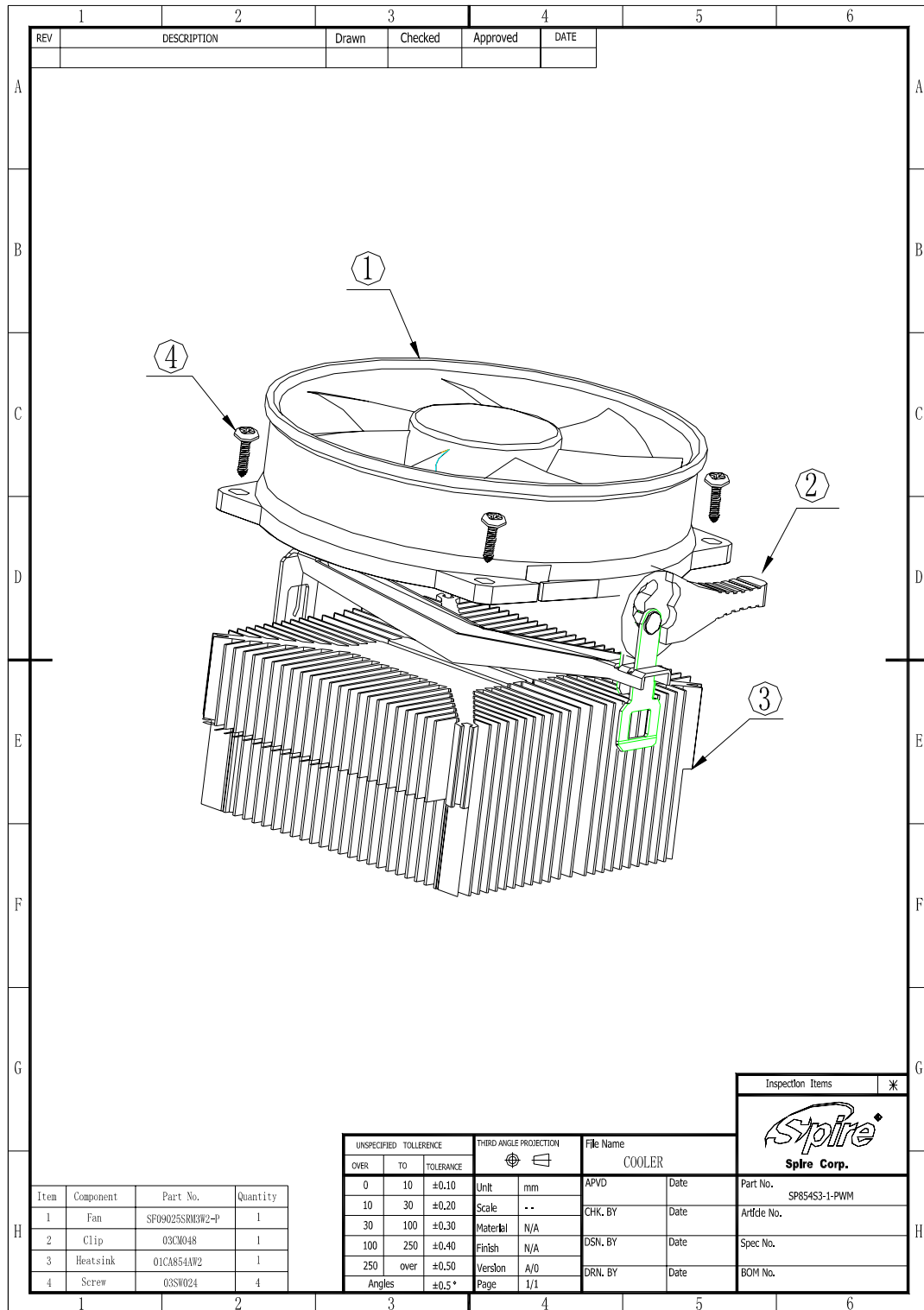
Extruded heat-sink with massive copper-core for optimal heat conductivity

Specifications:

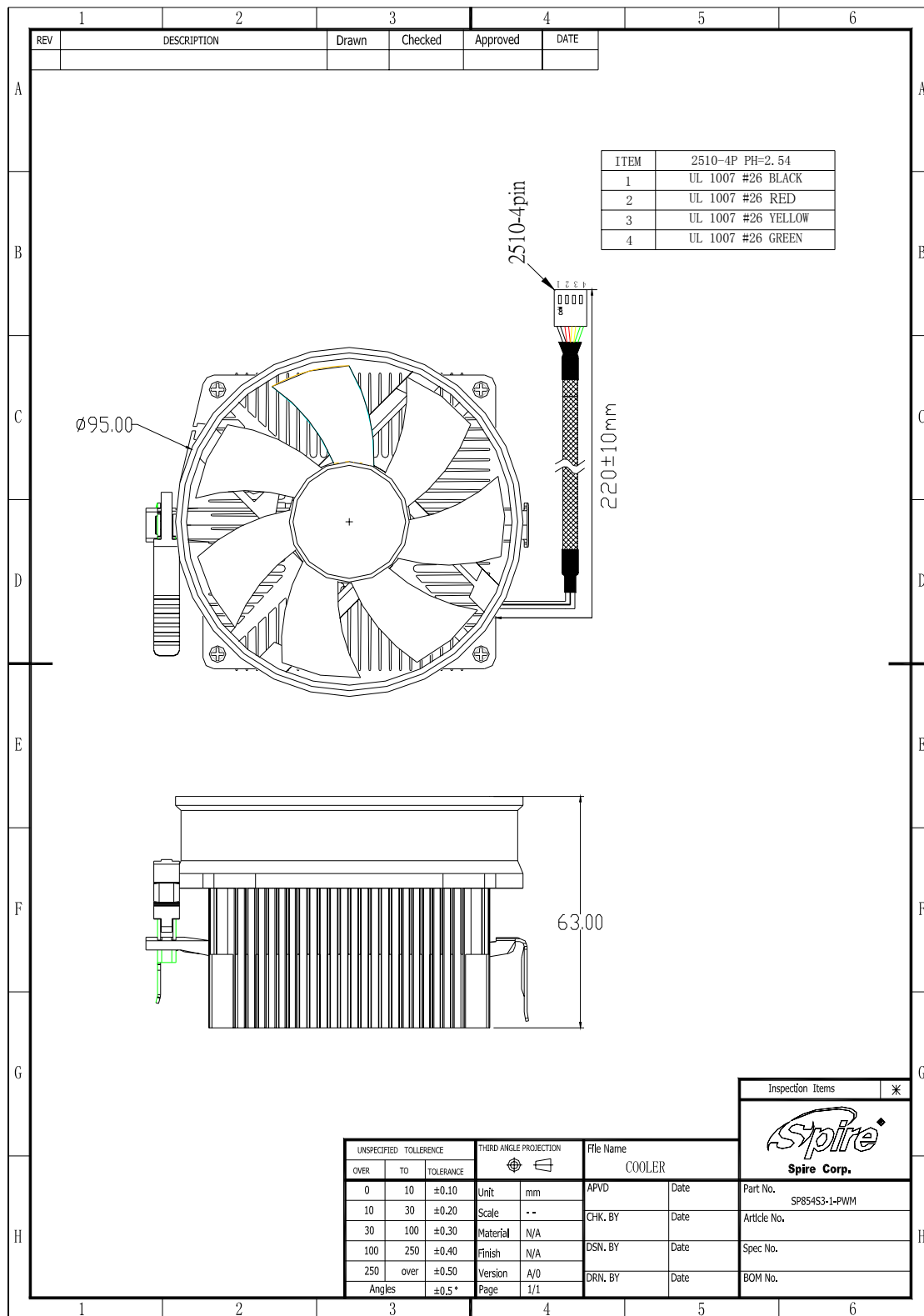
Dimensions	Heat sink : 81*76.8*38mm	
	12VDC Fan : 95X95X25 mm	
Material	AL+CU	
Bearing	Sleeve Bearing	
Rated speed	Cooler	800~2500RPM
	Single fan	800~2500RPM
Rated power	2.44 W	
Noise level	10.0~26.0dBA	
Air flow	48.53 CFM Max.	
Current	0.20 A	
Life hours	Sleeve: 30,000	
Connector	4 pin(2510)	
Application	AMD AM2/AM3 /AM.+ /FM1	
TDP(Watt)	95W	
Thermal resistance	0.347°C/W	
Thermal type	Stars-420 grease	
weight	403g (Cooler only)	

4. Product Drawing

4.1 Assembly Drawing



4.2 Cooler





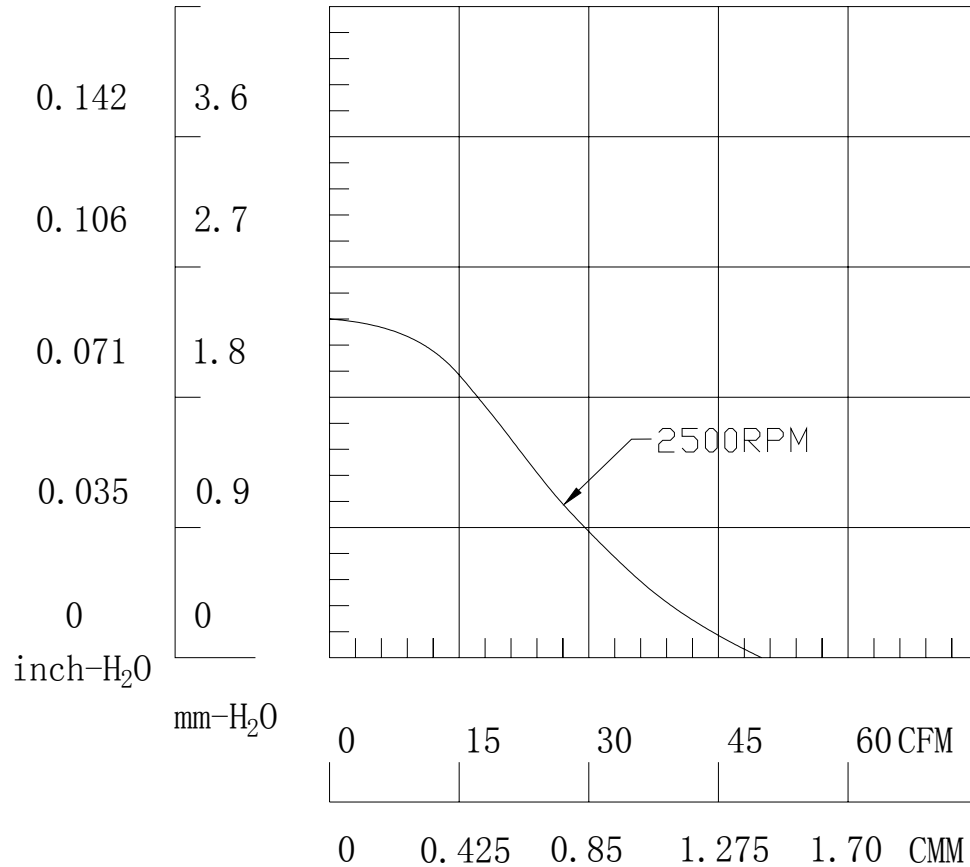
5. Fan Specification:

FAN MODEL: SF09025SRM3W2-P

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed	: 800~2500RPM ±10%
4) Static Pressure	: 2.32 mm-H ₂ O
5) Air Flow	: 48.53
6) Rated Current	: 0.20MP
7) Rated Power	: 2.4 WATTS
8) Noise Level	: 10.0~26.0 dBA
9) Operating Temperature	: -10 to 70 °C
10) Storage Temperature	: -40 to 70 °C
11) Bearing System	: Sleeve Bearing
12) Connector	: 4pin(2510)
13) Weight	: 64.0g



6. P&Q Characteristic curves





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	