



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP804S3-1

ENGINEER NO: SC804S3-085-9M302-1



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Approval Sheet Revisement Record

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Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.
A/0	N/A	First Version	2009-4-22			N/A



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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heat sink	01AL804AW3	1	AL
2	Clip	03CM047	1	Metal
3	Screw	03SW084	4	Metal
4	Fan	SF08025S9M302	1	Plastic

2. Multi views and images

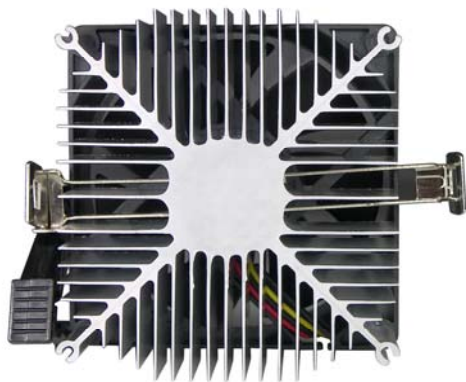
2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view

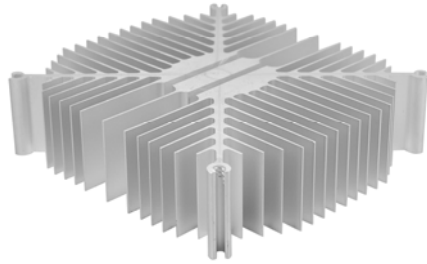


Picture 3 : Base view



Picture 4 : Side view

2.2 Components images



Picture 1 : Heatsink



Picture 2: Screw



Picture 3: Fan



Picture 4: Clip



Picture 5: Fan Label



Picture 6: 3 Pin connector



3. Features and Specifications:

Main features:

Supports all new AMD K8 & AM2+AM3 micro-processors

Ø80x25mm sleeve fan for silent operation

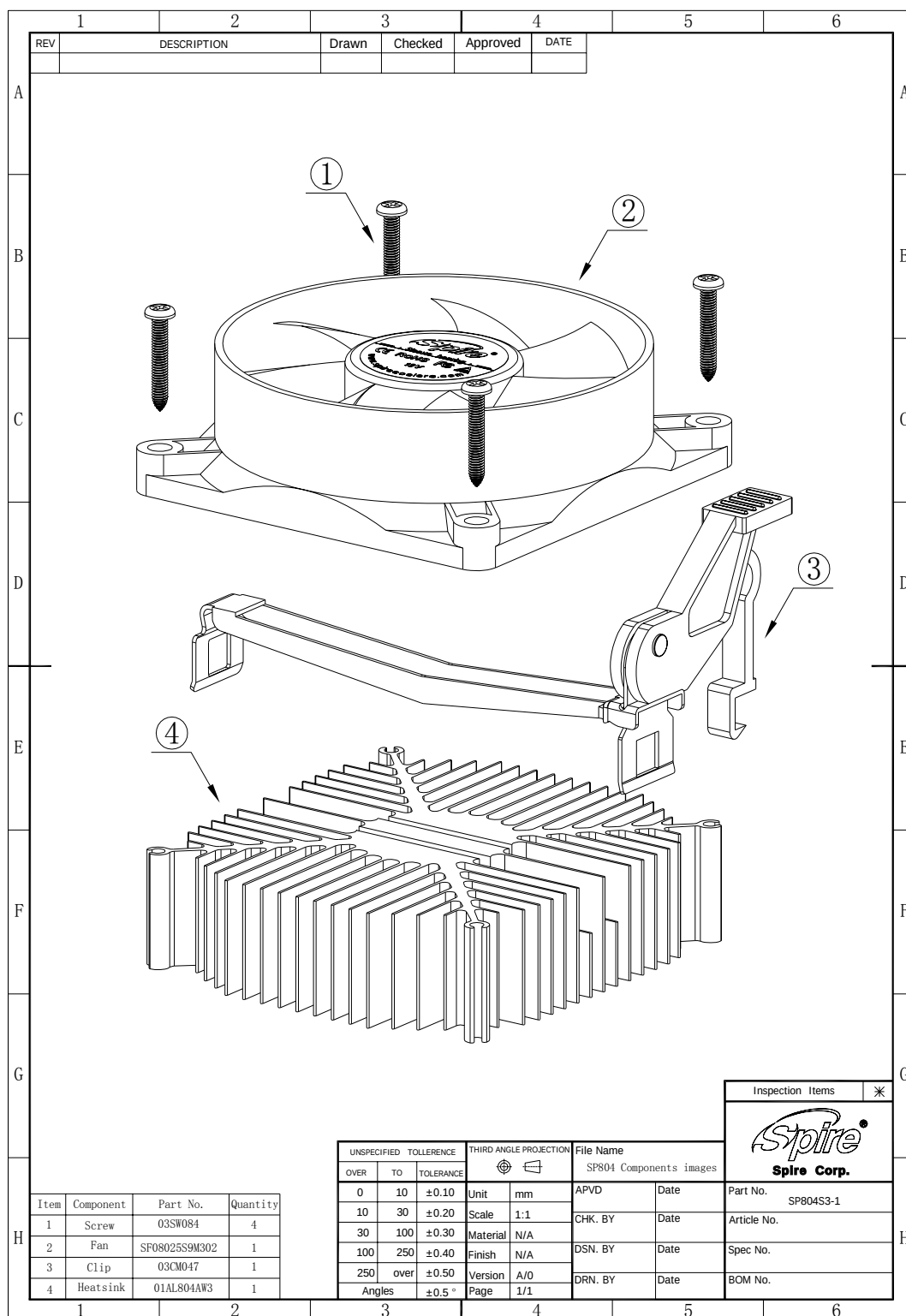
High-density extruded heat-sink with large base for optimal heat conductivity

Specifications:

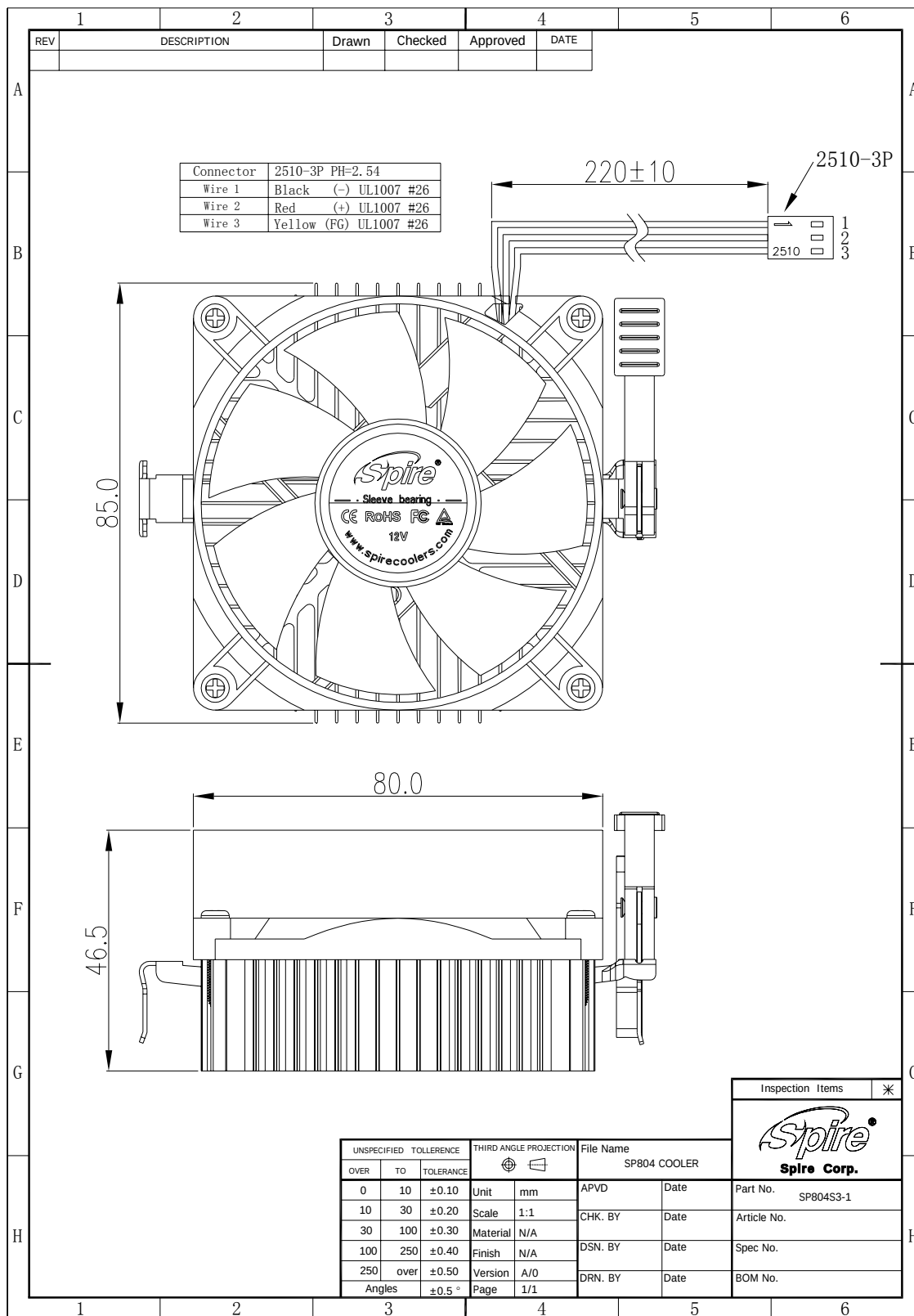
Dimensions	Heat sink : 77*85*21.0 mm		
	12VDC Fan : 80x80x25mm		
Bearing	Sleeve Bearing		
Rated speed	Cooler	2700 RPM +/-10%	
	Only fan	2700 RPM +/-10%	
Rated power	1.92 W		
Noise level	29.0 dBA		
Air flow	35.7CFM		
Current	0.16A +/-0.02		
Life hours	Sleeve: 30,000		
Connector	3 pin, main board		
Application	AMD:	Phenom X4 9100e Phenom X3 8450e Phenom X3 8250e Athlon 64 X2 5200+ EE Athlon 64 X2 5000+ Athlon 64 X2 4800+	Athlon 64 X2 4600+ EE Athlon 64 X2 4000+ A thlon XP 3500+ Sempron 3400+ Sempron 3600+
Thermal resistance	0.357°C/W		
TDP	65-89W		
Thermal type	Stars-350white grease		
weight	170g(Cooler only)		

4. Product Drawing

4.1 Assembly Drawing



4.2 Cooler





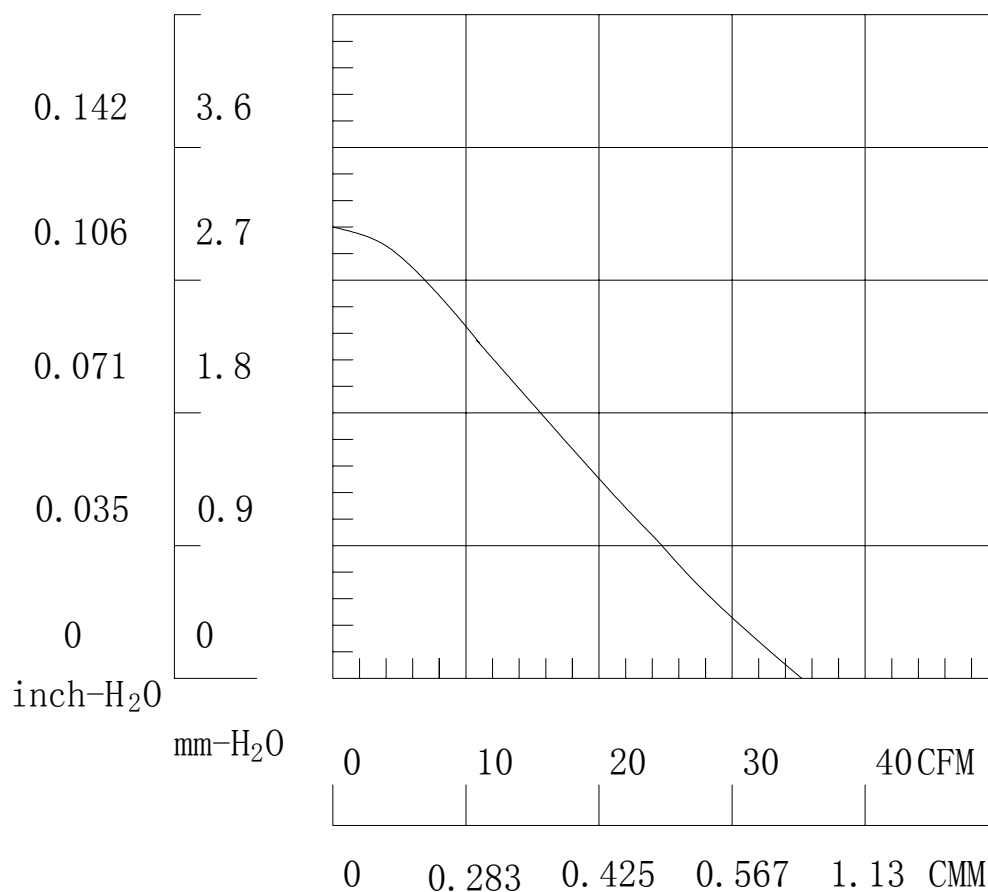
5. Fan Specification:

FAN MODEL: SF08025S9M302

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed (only fan)	: 2700RPM ±10%
4) Static Pressure	: 3.04 mm-H ₂ O
5) Air Flow	: 35.7 CFM
6) Rated Current	: 0.16 A +/-0.02
7) Rated Power	: 1.92WATTS
8) MAX Noise Level	: 29.0 dB(A)
9) Operating Temperature	: -10 to 70 °C
10) Storage Temperature	: -40 to 70 °C
11) Bearing System	: Sleeve Bearing
12) Connector	: 3 pin
13) Weight	: 57.0g



6. P&Q Characteristic curves





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7. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-806E	www.bontek.com.cn	
2	LVD	BCT07LC-806S	www.bontek.com.cn	
3	FCC	ASZ08041007FK	www.aovt.com	
4	ROHS	GZ0804058335/CHEM	www.rohs.cn.com	2008-34-23/FAN
5	TUV	R50131773	www.s2.chn.tw.com	



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RoHS Declaration of Conformity

Spire hereby declares under our sole responsibility that the product:

Part number: **SP804S3 -1**

Codename: **CoolReef II**

Description: Extruded heat-sink with large base for optimal heat

conductivity; Sleeve bearing fan for silent operation ;

2700rpm 3pin, Mainboard ; AMD CPU Cooler .



Is tested and approved in compliance with the EUROPEAN COUNCIL ROHS DERECTION.

(Restriction of Hazardous Substances) which will restrict the use of certain substances in electrical and electronic products: including lead (Pb), mercury, cadmium, hexavalent chromium, and certain halide-containing flame retardants. The directive applies to all electrical and electronic products, their component parts that are placed on the market after July 1, 2006.

Spire Coolers Corp.

PM Engineering Dept.

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