



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP543S1-PWM

ENGINEER NO: SC543S1-PWM



Article No. : SP-AP-SA-A414 Issue Date : May 8 , 2012 Version : A/0	Audited by
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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	2012-5-8			N/A



Contents

1. Main Components List.....	4
2. Multi views and images.....	5
2.1 Coolers images.....	5
2.2 Components images.....	6
3. Features and Specifications	7
4. Product Drawing.....	8
4.1 Assembly Drawing.....	8
4.2 Cooler Drawing.....	9
5. Fan Specification.....	10
6. P&Q Characteristic curves.....	11
7. Correlative Certification compliance.....	12



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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heat sink	SC543S1	1	AL
2	Clip	SC543S1	1	Metal
3	Fan	SF09025S3L4W2-PWM	1	Plastic



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2. Multi views and images

2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view

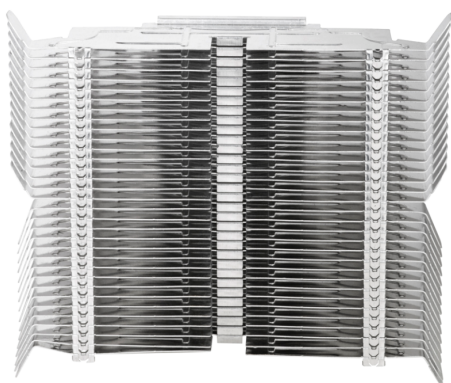


Picture 4 : Side view



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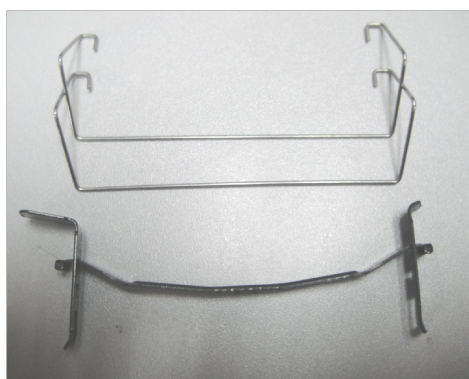
2.2 Components images



Picture 1 : Heatsink



Picture 2: FAN



Picture 3: Clip



Picture 4: Fan Label



Picture 5: 4 Pin PWM(2510)



3. Features and Specifications:

Main features:

Supports all new LGA775/1155/1156/ AM2+AM3 FM1 micro-processors
92x92x25mm sleeve fan for silent operation

Specifications:

Dimensions	Heat sink : 98X88X35 mm	
	12VDC Fan : 92x92 x 25mm	
Material	AL	
Bearing	Sleeve Bearing	
Rated speed	Cooler	600~2200 RPM +/-10%
	Single fan	600~2200 RPM +/-10%
Rated power	2.16 W	
Noise level	10~22.0 dBA	
Air flow	45.26CFM Max.	
Current	0.18A	
Life hours	Sleeve: 30,000	
Connector	4PIN PWM(2510)	
Application	LGA 775/1155/1156 and AM2/AM3/AMD FM1	
Thermal resistance	0.388°C/W	
TDP	65~95W	
Thermal type	Stars-420	
weight	185g(Cooler only)	



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4. Product Drawing

4.1 Assembly Drawing

1	2	3	4	5	6
REV	DESCRIPTION	Drawn	Checked	Approved	DATE

Item	Component	Part No.	Quantity
1	Heatsink	SC543S1	1
2	Fan	SF09025SAL302-1	1
3	Clip	SC543S1	1

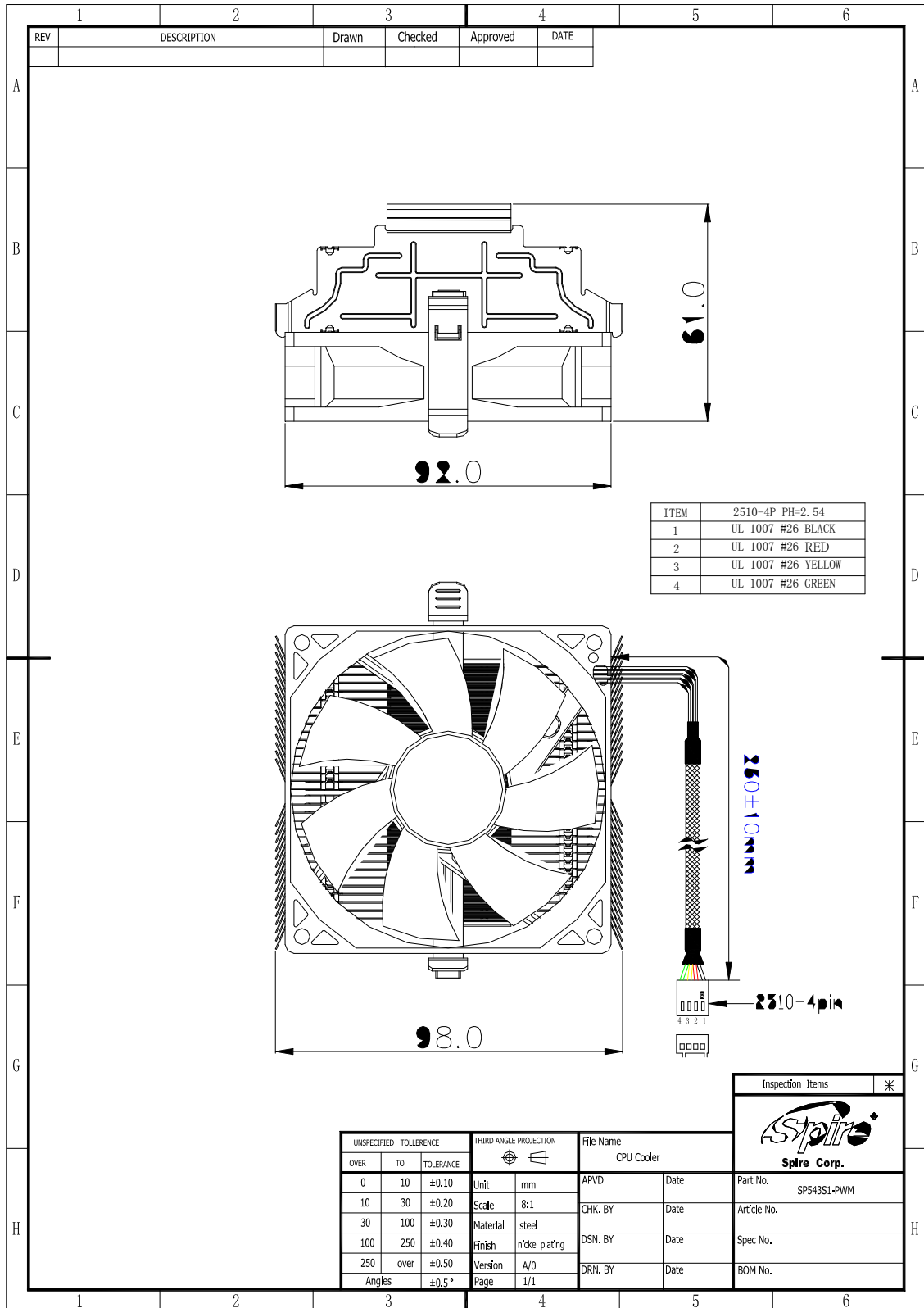
UNSPECIFIED TOLERANCE			THIRD ANGLE PROJECTION		File Name	
OVER	TO	TOLERANCE			SP543 Components images	
0	10	±0.10	Unit	mm	APVD	Date
10	30	±0.20	Scale	1:1	CHK. BY	Date
30	100	±0.30	Material	N/A	DSN. BY	Date
100	250	±0.40	Finish	N/A	DRN. BY	Date
250	over	±0.50	Version	A/0		
Angles		±0.5 °	Page	1/1		

Inspection Items		*
Part No.		SP543S1
Article No.		
Spec No.		
BOM No.		



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4.2 Cooler





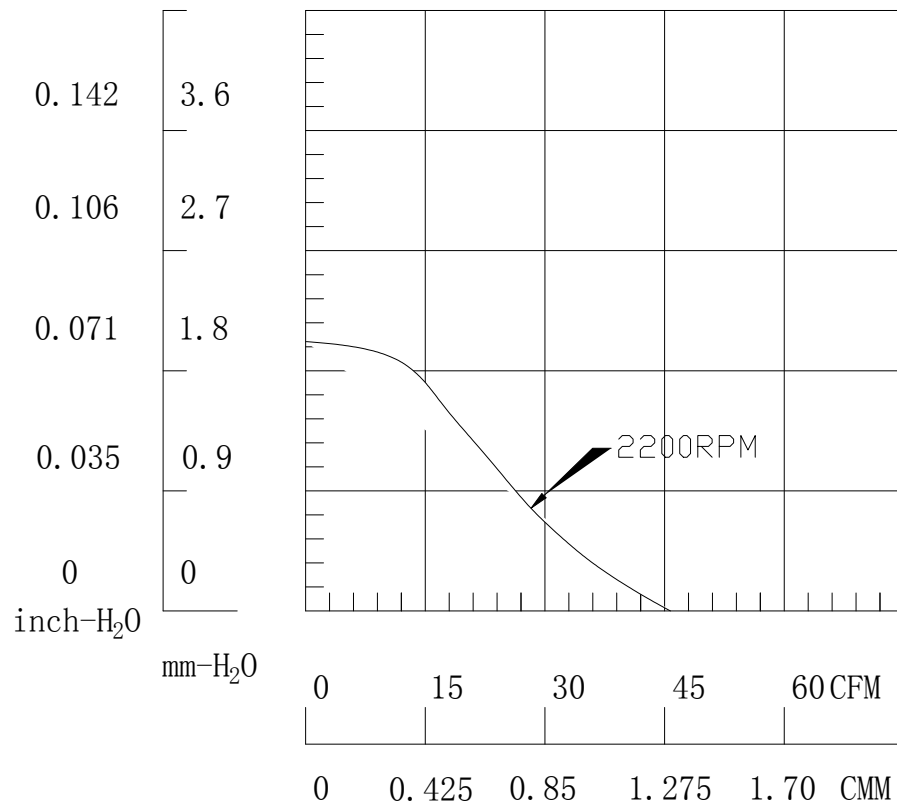
5. Fan Specification:

FAN MODEL: SF09025S3L4W2-PWM

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed (Single fan)	: 600~2200RPM ±10%
4) Static Pressure	: 2.02 mm-H ₂ O
5) Air Flow	: 45.26 CFM Max.
6) Rated Current	: 0.18 A
7) Rated Power	: 2.16WATTS
8) MAX Noise Level	: 10.0~22.0 dB(A)
9) Operating Temperature	: -10 to 70 °C
10) Storage Temperature	: -40 to 70 °C
11) Bearing System	: Sleeve Bearing
12) Connector	: 4 PIN PWM(2510)
13) Weight	:64.0g



6. P&Q Characteristic curves





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7. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-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	