



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP543S1

ENGINEER NO: SC543S1-092-1L302



Article No. : SP-AP-SC-A042 Issue Date : Aug 30 , 2011 Version : A/0	Audited by
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Checked by	Drafted by
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Spire Corp.

Tel.: +86-755-26801568 Fax: +86-755-26801563

[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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Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.
A/0	N/A	First Version	2011-8-30			N/A



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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	SF09025S3L302-1	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

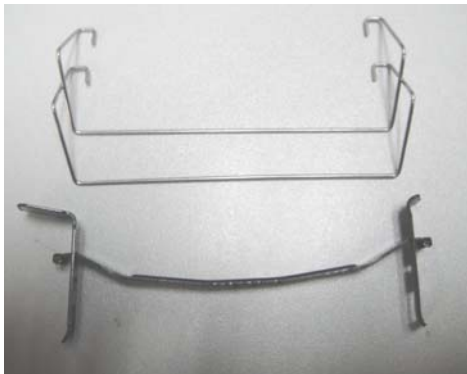
2.2 Components images



Picture 1 : Heatsink



Picture 2: FAN



Picture 3: Clip



Picture 4: Fan Label



Picture 5: 3 Pin connector



3. Features and Specifications:

Main features:

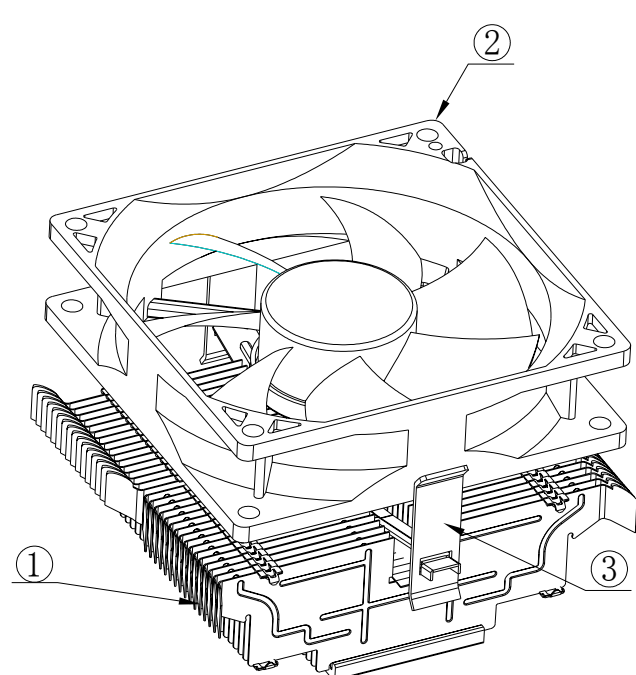
Supports all new LGA775/1156/ AM2+AM3 micro-processors
92x92x25mm sleeve fan for silent operation

Specifications:

Dimensions	Heat sink : 98X88X35 mm	
	12VDC Fan : 92x92 x 25mm	
Material	AL	
Bearing	Sleeve Bearing	
Rated speed	Cooler	2000 RPM +/-10%
	Only fan	2000 RPM +/-10%
Rated power	1.92 W	
Noise level	26.0 dBA	
Air flow	46.46CFM	
Current	0.16A	
Life hours	Sleeve: 30,000	
Connector	3 pin, main board	
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)	

4. Product Drawing

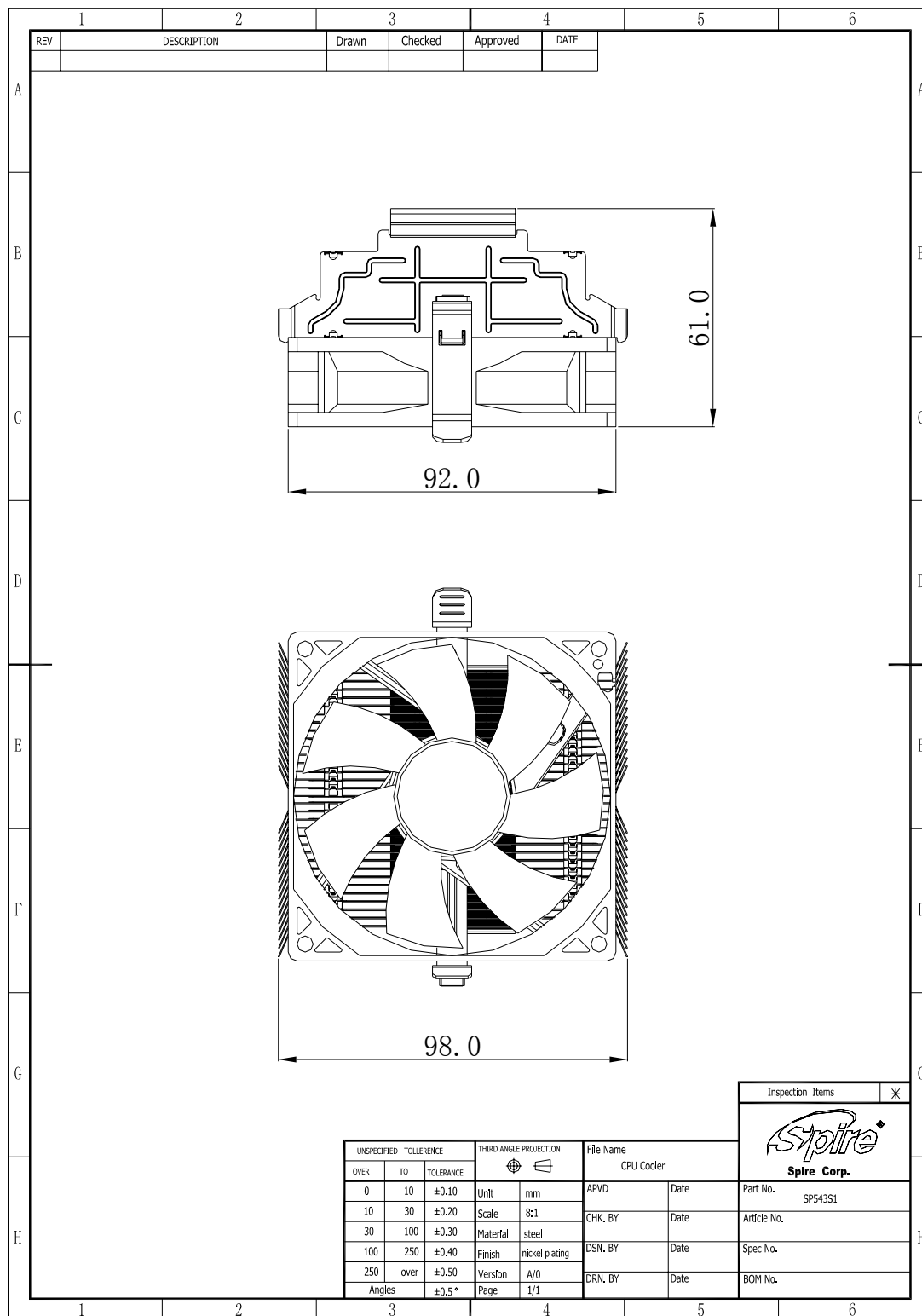
4.1 Assembly Drawing

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4.2 Cooler





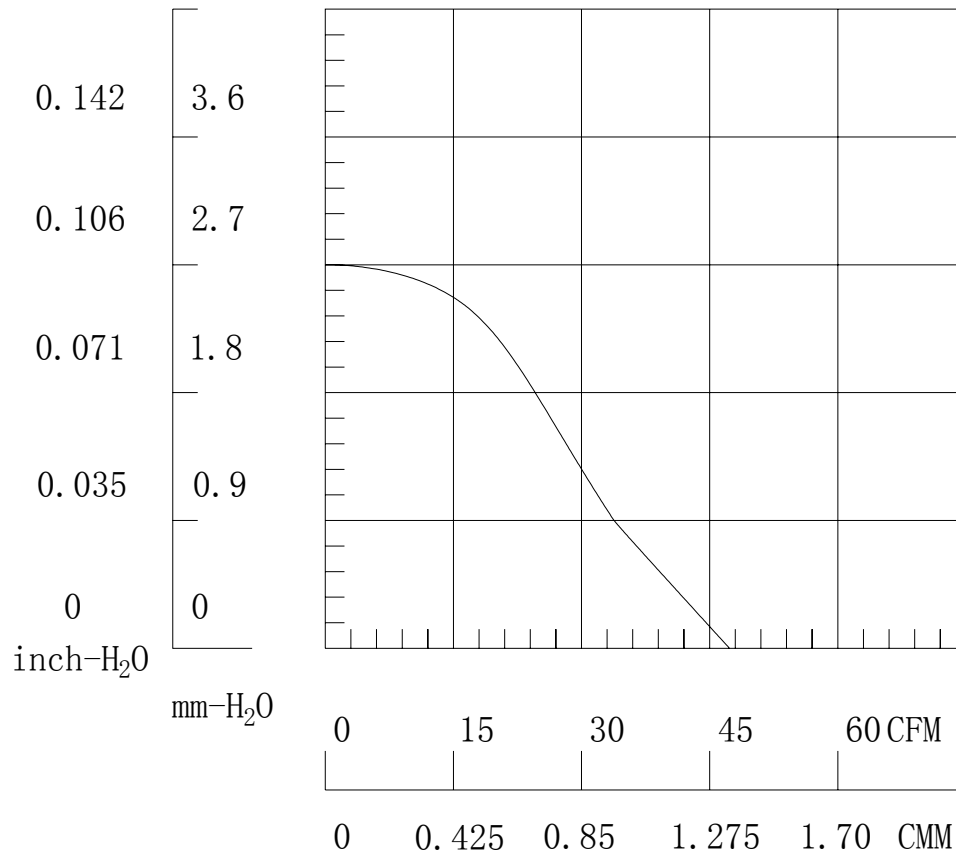
5. Fan Specification:

FAN MODEL: SF09025S3L302-1

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed (only fan)	: 2000RPM ±10%
4) Static Pressure	: 2.11 mm-H ₂ O
5) Air Flow	: 46.46 CFM
6) Rated Current	: 0.16 A
7) Rated Power	: 1.92WATTS
8) MAX Noise Level	: 26.0 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	: 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	