



APPROVAL SHEET

Chip Coolers

SALES MODEL NO: SP532S7

ENGINEER NO: SC532S3-093-AM3W2-1



Article No. : SP-AP-SC-A241 Issue Date : Sep 17, 2009 Version : A/0	Audited by
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Checked by	Drafted by Denny
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Spire Corp.

Tel.: +86-755-33823311 Fax: +86-755-33823314

[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.
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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	01AL532AW1	1	AL+CU
2	Screw	03SW256	4	steel
3	Clip	03MK110	1	Steel
4	Push Pin	10SW003	4	Plastic
5	Rubber tack	10977S0501	4	Plastic
6	Fan	SF09035SAH3W2-1	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 : Right view

2.2 Components images



Picture 1 : Heatsink



Picture 2 : Clip+Push Pin



Picture 3: Fan



Picture 4: Screw and rubber tack



Picture 5: Fan Label



Picture 6: 3 pin connector



3. Features and Specifications:

Main features:

Supports all new LGA 1156/1366 micro-processors

Ø98x35mm Sleeve bearing fan for silent operation

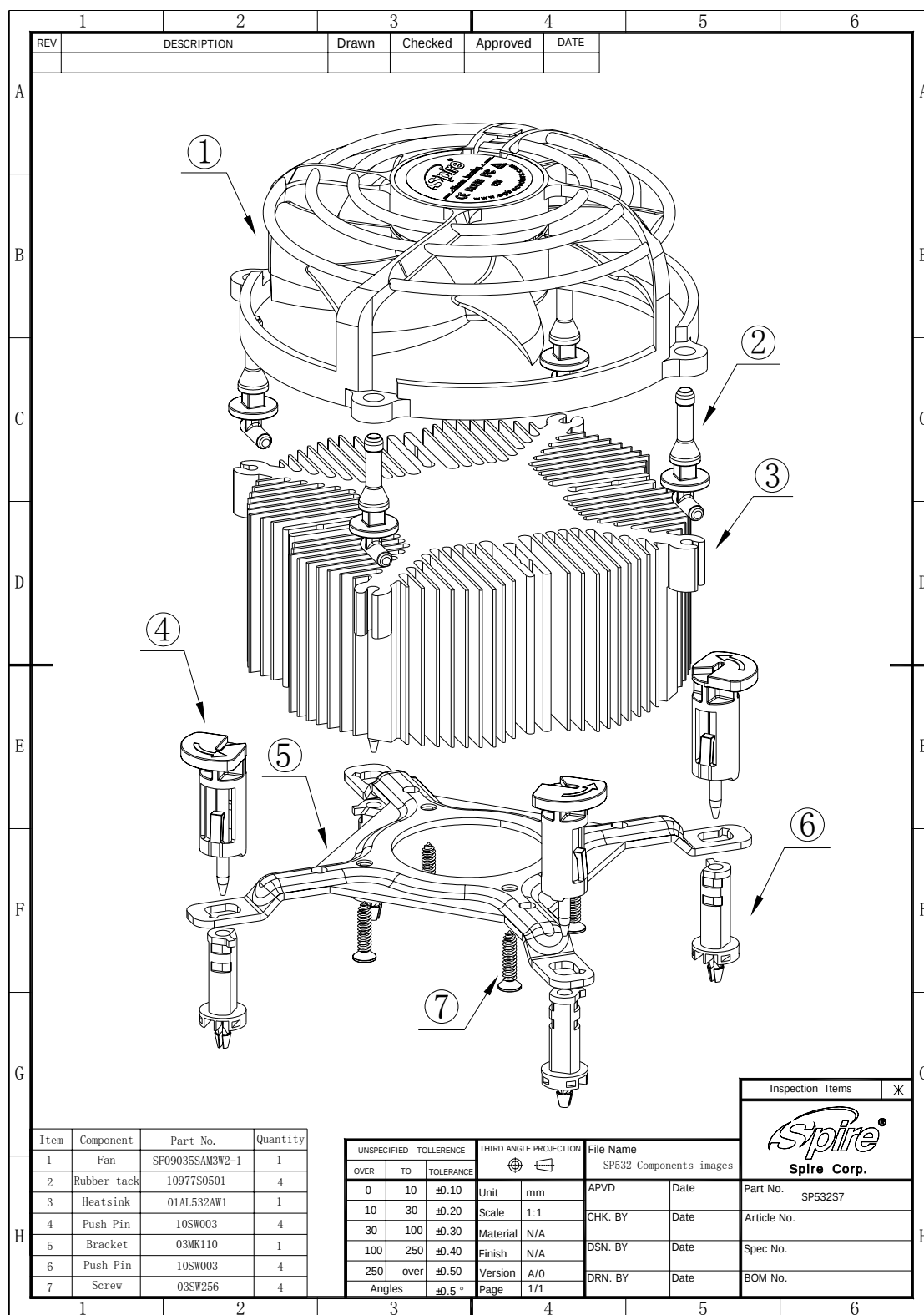
Extruded heat-sink with massive Base for optimal heat conductivity

Specifications:

Dimensions	Heat sink : Ø 95X39.5mm	
	12VDC Fan : Ø 98X35mm	
Bearing	Sleeve Bearing	
Rated speed	Only cooler	2.700 rpm
	Only FAN	2600rpm
Rated power	2.4 W	
Noise level	25.0dBA	
Air flow	53.12 CFM at 2.700RPM	
Current	0.20 A	
Life hours	Sleeve: 30,000	
Connector	3 pin, main board	
Application	LGA 1156 and 1366	
Thermal resistance	0.35°C/W	
Thermal type	Stars-420 grease	
weight	360 g (Cooler only)	

4. Product Drawing

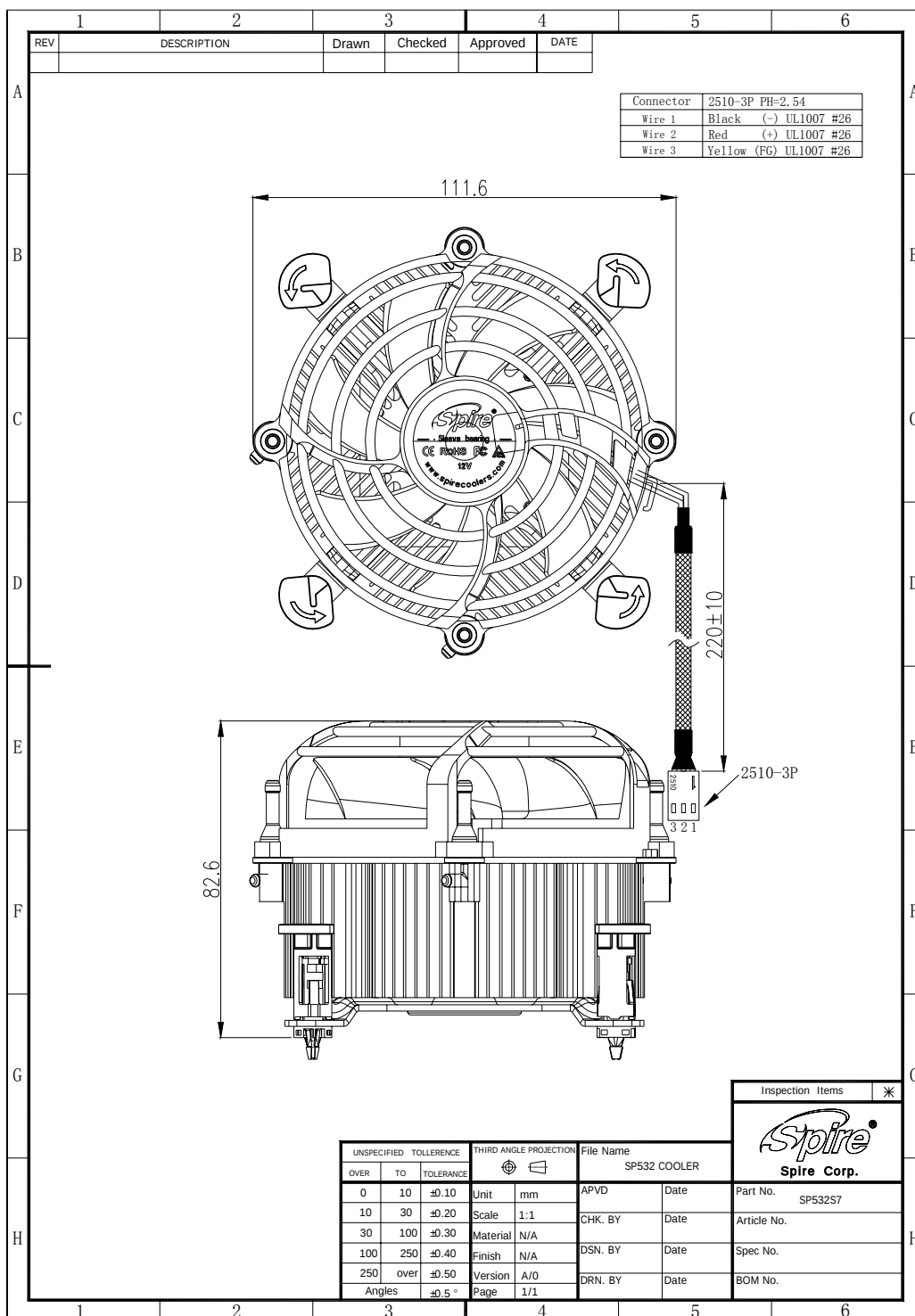
4.1 Assembly Drawing





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4.2 Cooler





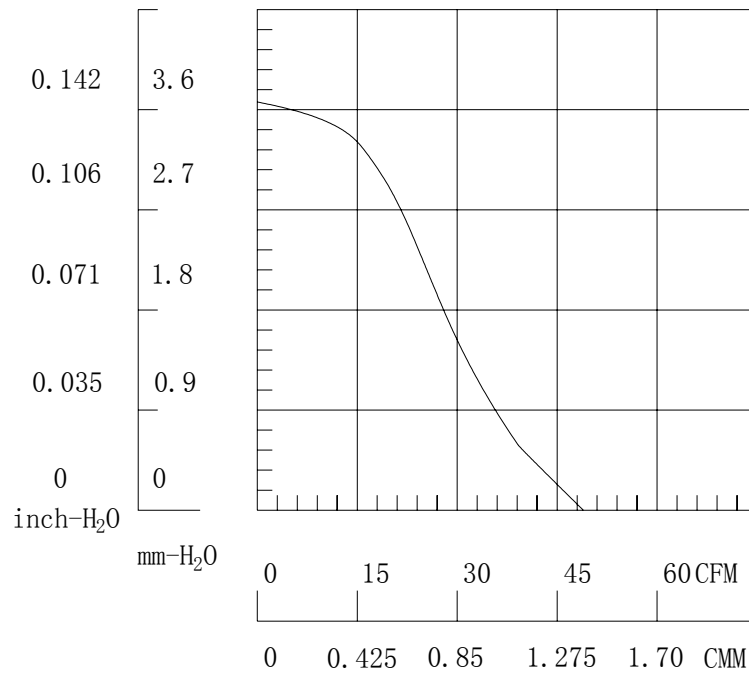
5. Fan Specification:

FAN MODEL: 0209035SAMSS3W2-1

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed	: 2600RPM ±10%
4) Static Pressure	: 3.68 mm-H ₂ O
5) Air Flow	: 53.12CFM
6) Rated Current	: 0.20 AMP
7) Rated Power	: 2.4WATTS
8) Noise Level	: 25.0 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	: 58.0 g



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	



RoHS Declaration of Conformity

Spire Corp.

Spire hereby declares under our sole responsibility that the product:



Part number: **SP532S7**

Codename:

Description: Extruded heat-sink with massive Base for optimal heat

conductivity; Sleeve bearing fan for silent operation ;

2700rpm 3pin, Mainboard ; sockets 1156/1366 CPU Cooler .

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

(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.

Buji, Shenzhen

