



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP559S7-L

ENGINEER NO: SC559S7-095-9L3W2



Article No. : SP-AP-SC-A308	Audited by
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Checked by	Drafted by

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[Http://www.spirecoolers.com](http://www.spirecoolers.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	2010-3-18			N/A



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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	01CA559AW1	1	AL 6063
2	PushPin	10SW003	4	PC
3	Fan	SF09025S9L3W2	1	Plastic

2. Multi views and images

2.1 Cooler images



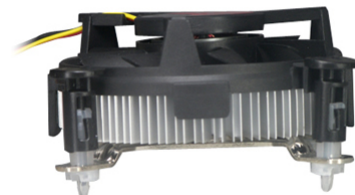
Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view



Picture 4 : Right view

2.2 Components images



Picture 1 : Heatsink



Picture 2: Fan



Picture 3: Push Pin



Picture 4: Fan Label



Picture 5: 3pin connector



3. Features and Specifications:

Main features:

Supports all new Intel LGA1156 micro-processors

Ø 90x25mm Sleeve bearing fan for silent operation

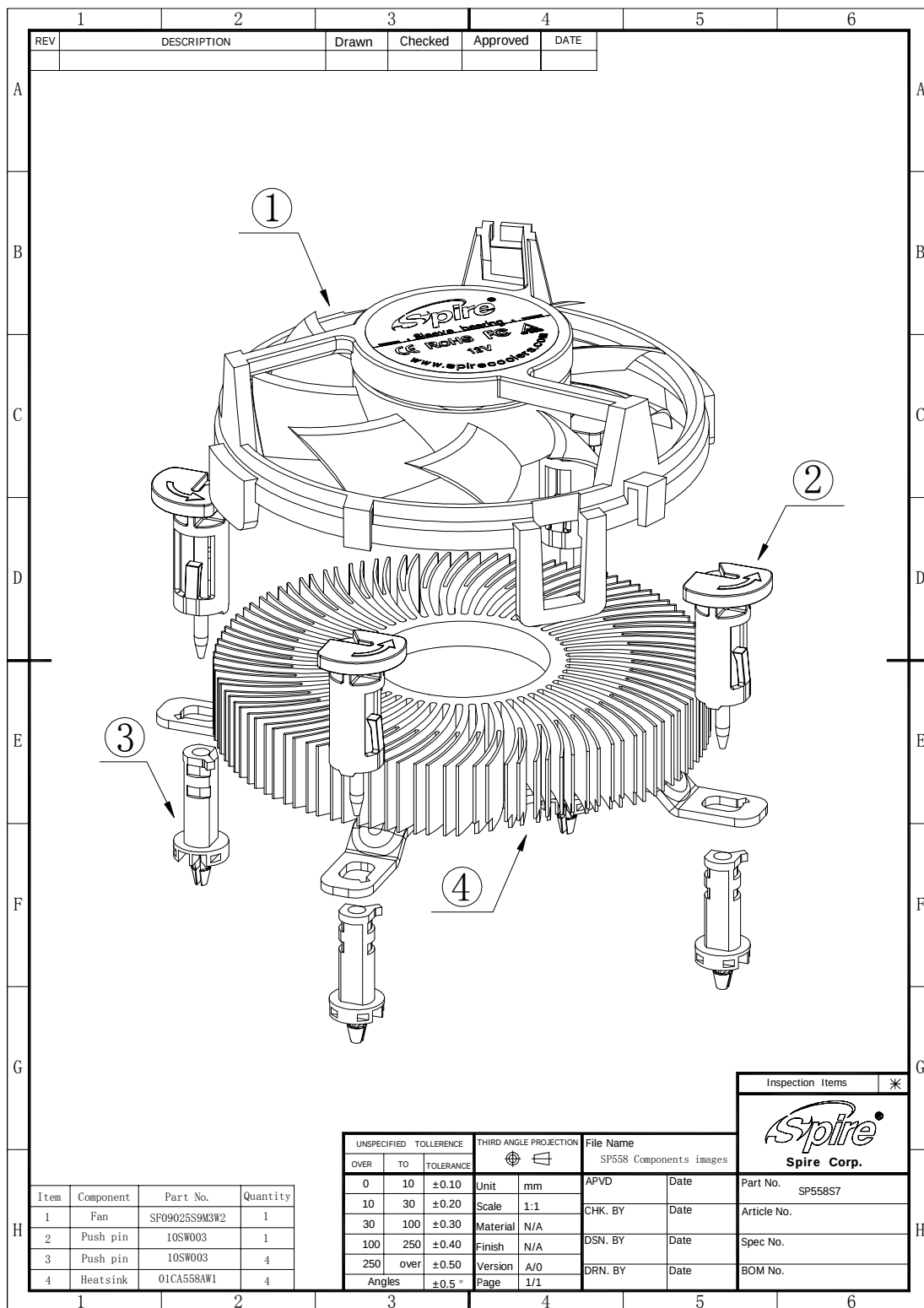
Extruded heat-sink with massive copper-core for optimal heat conductivity

Specifications:

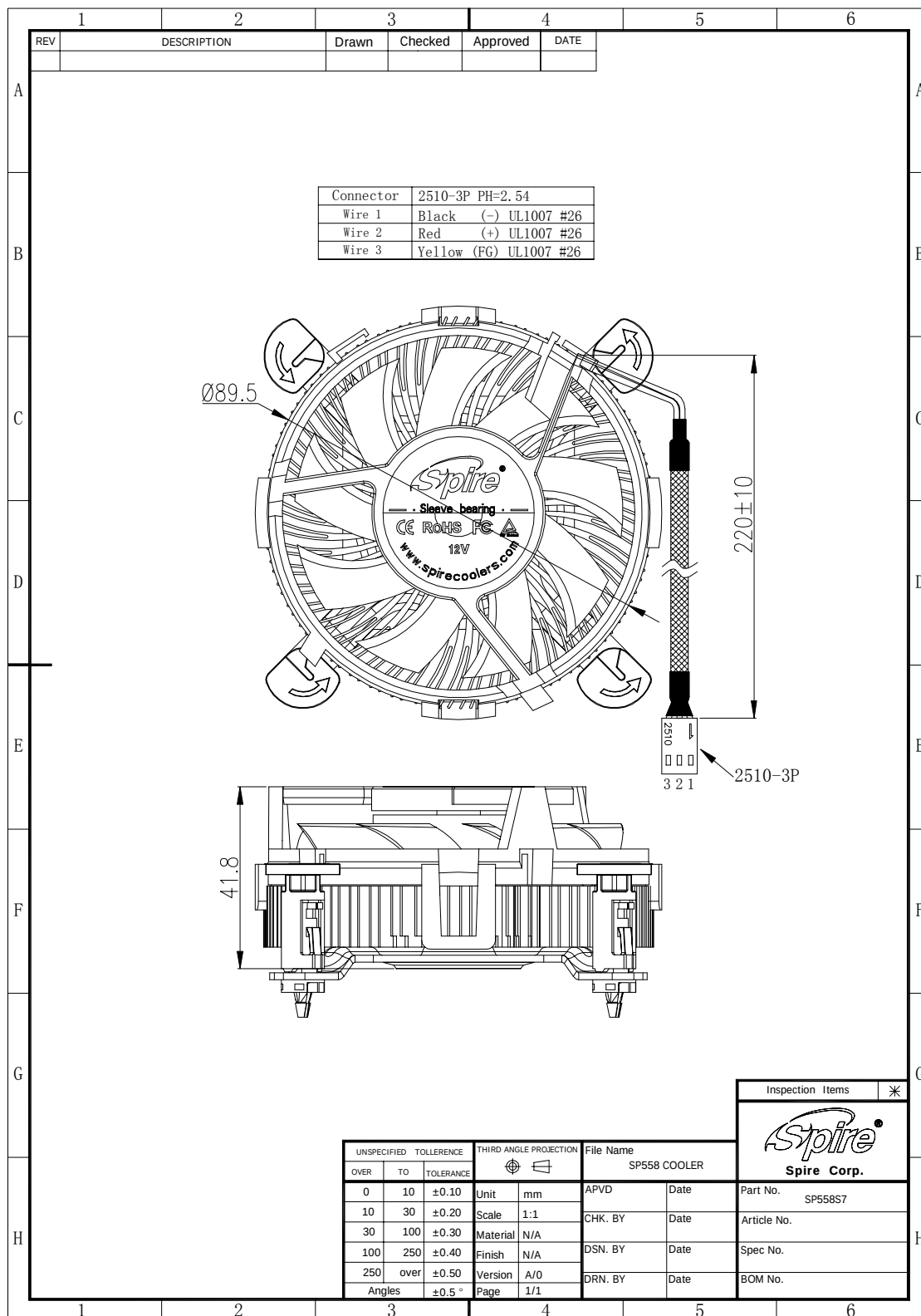
Dimensions	Heat sink : Ø 95*21.5mm	
	12VDC Fan : Ø 90*25mm	
Bearing	Sleeve Bearing	
Rated speed	Cooler	2000 RPM +/-10%
	Only fan	2000 RPM +/-10%
Rated power	1.80 W	
Noise level	21.0 dBA	
Air flow	41.08 CFM	
Current	0.15	
Life hours	Sleeve: 30,000	
Connector	3 pin, main board	
Application	Intel LGA1156 Cooler	
Thermal resistance	0.344°C/W	
TDP(Watt)	110W	
Thermal type	Stars-420	
weight	315 g(Cooler only)	

4. Product Drawing

4.1 Assembly Drawing



4.2 Cooler





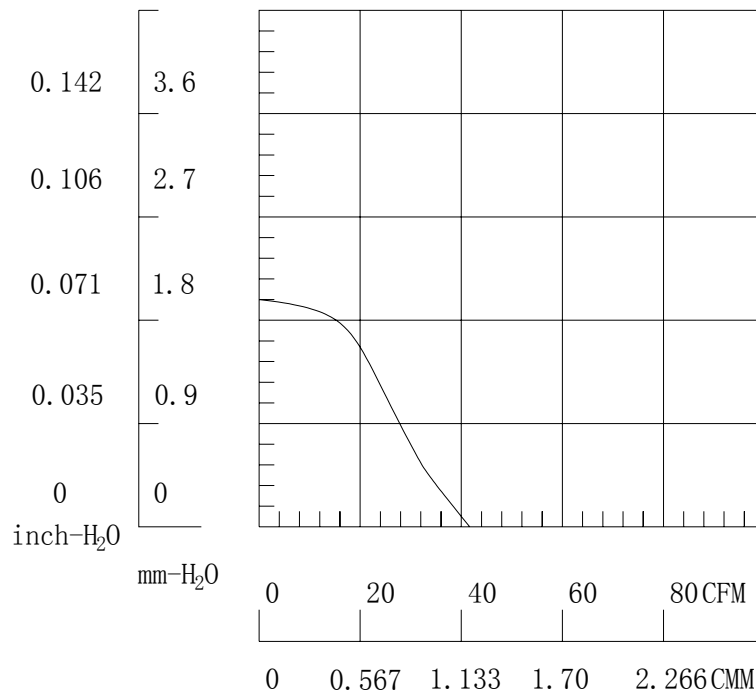
5. Fan Specification:

FAN MODEL: SF09025S9L3W2

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed(Only fan)	: 2000RPM ±10%
4) Static Pressure	: 1.98 mm-H ₂ O
5) Air Flow	: 41.08CFM
6) Rated Current(max)	: 0.15 A
7) Rated Power	: 1.80WATTS
8) Noise Level	: 21.0 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	: 50.0 g



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	



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RoHS Declaration of Conformity

Spire hereby declares under our sole responsibility that the product:

Part number: SP559S7-L

Codename: _



Description: LGA 1156 socket 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.

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