



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP679S1-PCI

ENGINEER NO: SC679S1-125-3H303-PCI



Article No. : SP-AP-SC-A216 Issue Date : Dec 1, 2008 Version : A/1	Audited by
---	-------------------

Checked by	Drafted by
-------------------	-------------------

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)



Spire Corp.

Approval Sheet Revisement Record

SALES MODEL NO: SP679S1-PCI

ENGINEER NO: SC679S1-125-3H303-PCI

Article No: SP-AP-SC-A216

Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.
A/0	N/A	First Version	2008-12-1			N/A



Contents

1. Main Components List.....	4
2. Multi views and images.....	5
2.1 Coolers images.....	5
2.2 Components images.....	6
2.3 Pictures for accessoris.....	7
3. Features and Specifications	8
4. Product Drawing.....	9
4.1 Assembly Drawing.....	9
4.2 Cooler Drawing.....	10
5. Fan Specification.....	11
6. P&Q Characteristic curves.....	12
7. Correlative Certification compliance.....	13



1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heat sink	01AH679EP1	1	AL+Cu
2	Clip(fan set)	03CM039	2	Metal
3	775 Clip	10679S1901	1	Plastic
4	rivet	10676S1902	4	PC
5	1366 Clip	10976B0501	1	Plastic
6	1366 backboard	03MB280	1	Metal
7	Screw	03SW017	4	Metal
8	Rubber tack	10615S0501	4	NBR
9	FAN speed adjustor	048025PM01	1	N/A
10	Fan	SF12025S3H303	1	Plastic

2. Multi views and images

2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view

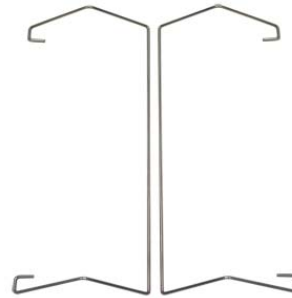


Picture 4 : Side view

2.2 Components images



Picture 1 : Heatsink



Picture 2: Clip (Fan set)



Picture 3: Fan



Picture 4:rubber screw



Picture 5: Fan Label



Picture 6: 3 Pin connector

2.3 Picture for accessories



Picture 1: PCI Top view



Picture 2:accessores for PCI



Picture 3:Accessories for LGA 775/AM2



Picture 4: ST-802 thermal grease



Picture 5: Accessories for 1156 and 1366





3. Features and Specifications:

Main features:

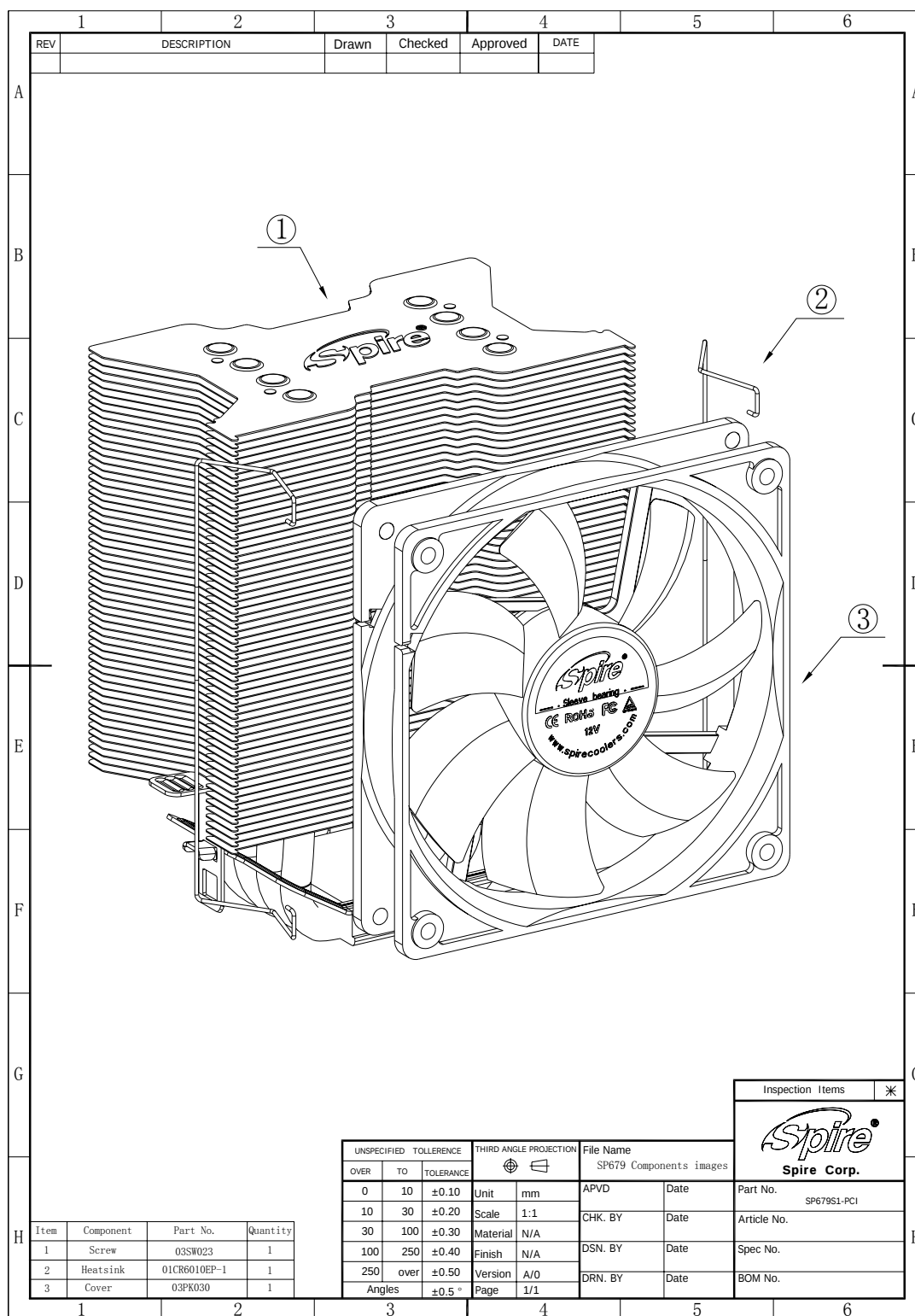
- Four 8mm all copper u shaped heat-pipes
- All new Direct-Touch heat-pipe technology
- UV-reactant 120mm BlueStar Fan design
- 55 stamped Aluminum Micro-Fin`s
- Supports the latest Intel &AMD micro-processors

Specifications:

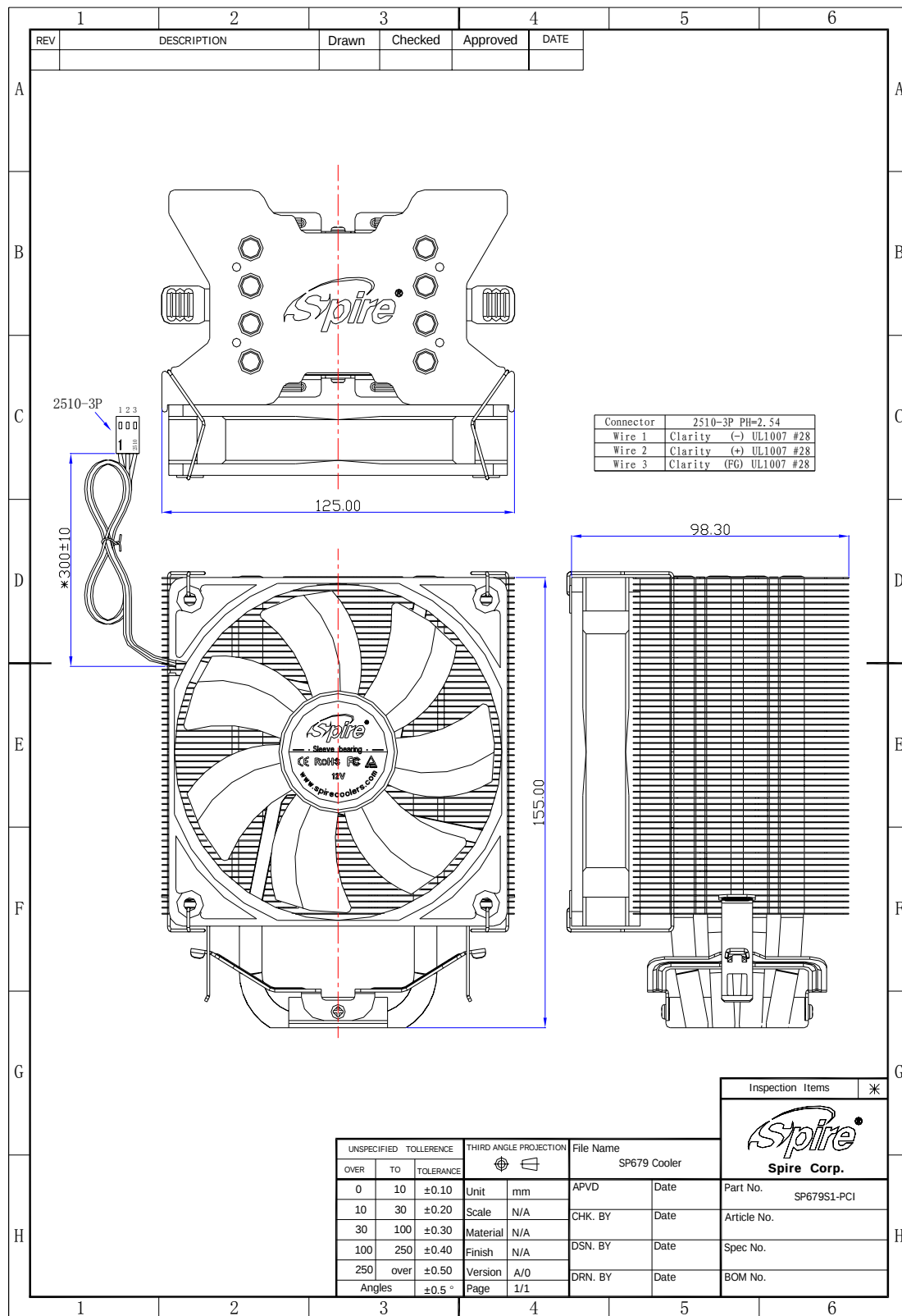
Dimensions	Heat sink : L125*W76.5*H155	
	12VDC Fan : 120X120x25mm	
Bearing	Sleeve Bearing	
Rated speed	Cooler	2200 RPM +/-10%
	Only fan	2200 RPM +/-10%
Rated power	4.2 W	
Noise level	min rpm 19 Dba or max rpm 29.0 Dba	
Air flow	93.3CFM at 2,200 RPM	
Current	0.35A	
Life hours	Sleeve: 30,000	
Connector	3 pin, main board	
Application	AMD/Intel:	AMD AM2 & Socket754/939/940 and Intel LGA775&LGA 1156 &LGA1366 All catena
Thermal resistance	0.14°C/W	
TDP	150W	
Thermal type	ST-802	
weight	702g(Cooler only)	
remark	Note: Width of case should be more than 190mm, otherwise, can not fit.	

4. Product Drawing

4.1 Assembly Drawing



4.2 Cooler





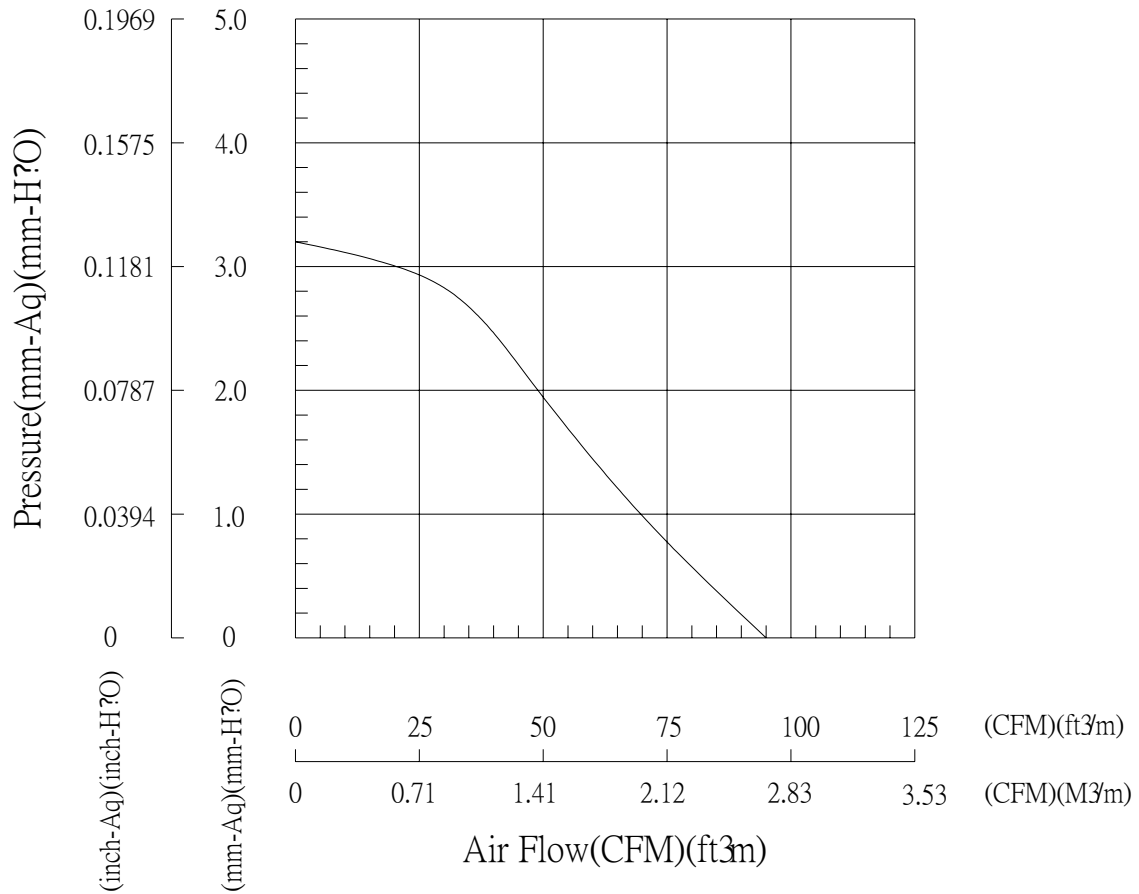
5. Fan Specification:

FAN MODEL: SF12025S3H303-PCI

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed (only fan)	: 2200RPM ±10%
4) Static Pressure	: 3.35 mm-H ₂ O
5) Air Flow	: 93.3CFM
6) Rated Current	: 0.35A
7) Rated Power	: 4.2WATTS
8) Min Noise Level	: 19.0 dBa
9) MAX Noise Level	: 29.0 dBa
10) Operating Temperature	: -10 to 70°C
11) Storage Temperature	: -40 to 70°C
12) Bearing System	: Sleeve Bearing
13) Connector	: 3 pin
14) Weight	: 118.0 g



6. P&Q Characteristic curves





Spire Corp.

7. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-808E	www.bontek.com.cn	
2	LVD	BCT07LC-808S	www.bontek.com.cn	
3	FCC	ASZ08041007FK	www.aovt.com	
4	ROHS	BCT08AC-002R	www.rohs.cn.com	
5	TUV	R 501275070001	www.sz.chn.tuv.com	