



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP953-1U

ENGINEER NO: SC953-1U



Article No. : SP-AP-SC-A259 Issue Date : Oct 28, 2009 Version : A/0	Audited by
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Checked by	Drafted by
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Spire Corp.

Approval Sheet Revisement Record

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ENGINEER NO: SC953-1U

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Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.
A/0	N/A	First Version	2009-10-26			N/A



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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	01CU953UCW1	1	Cu
2	spring	03SG043	4	Steel
3	Screw	03SW126	4	Steel
4	Clip	03CM005	4	Steel
5	cushion	03WS004	4	Steel
6	1366 back plate	03MB260	1	Steel
7	FAN	SF07015C4H402-PWM	1	

2. Multi views and images

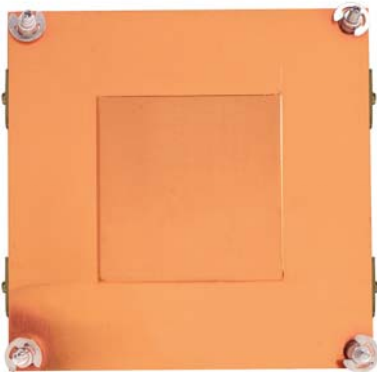
2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view



Picture 4 : Side view



Picture 5 : back plate



3. Features and Specifications:

Main features:

All Copper Heatsink, 1U Rackmount

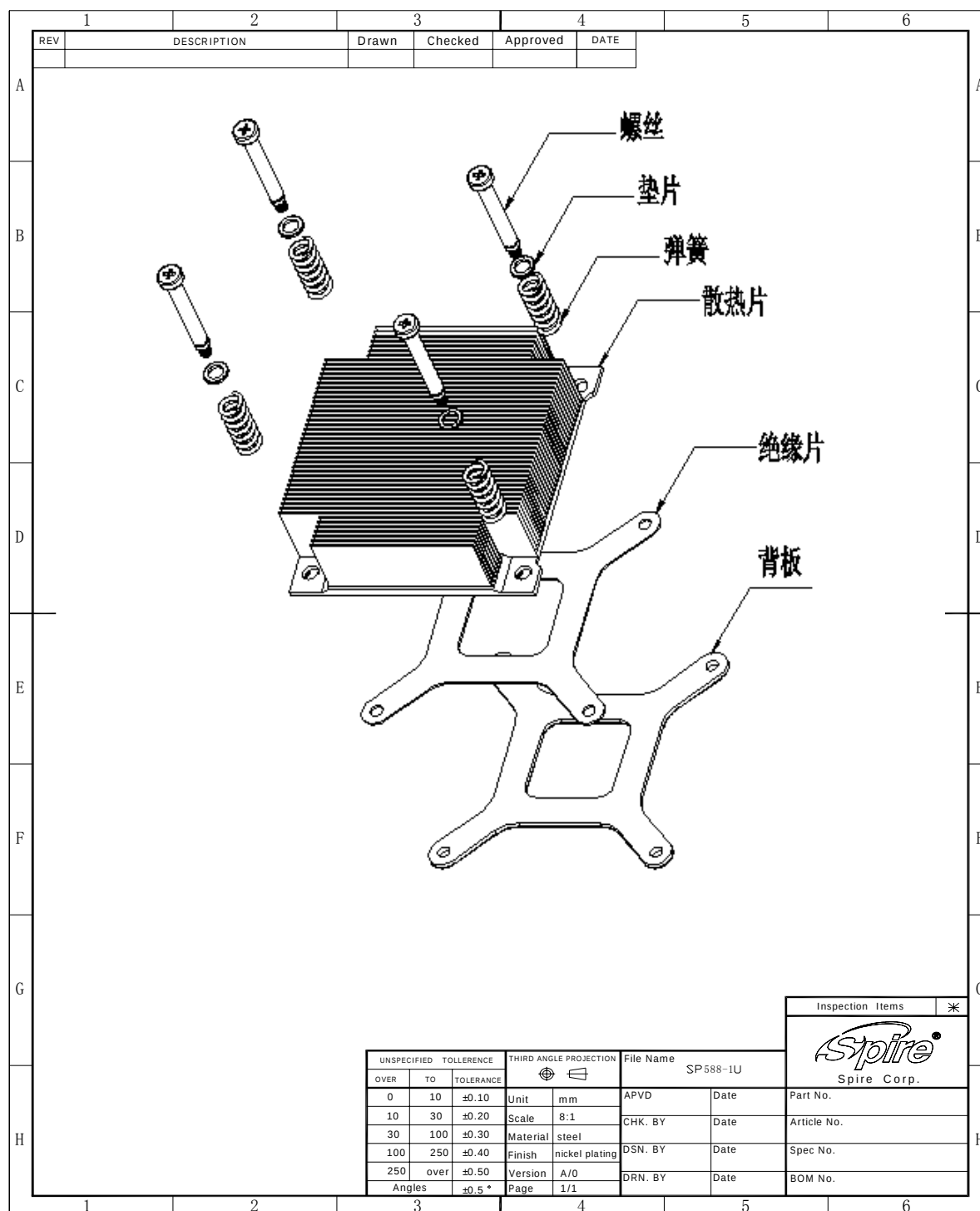
For Intel LGA1366 up to 3.6GHz, for 1U Server

Specifications:

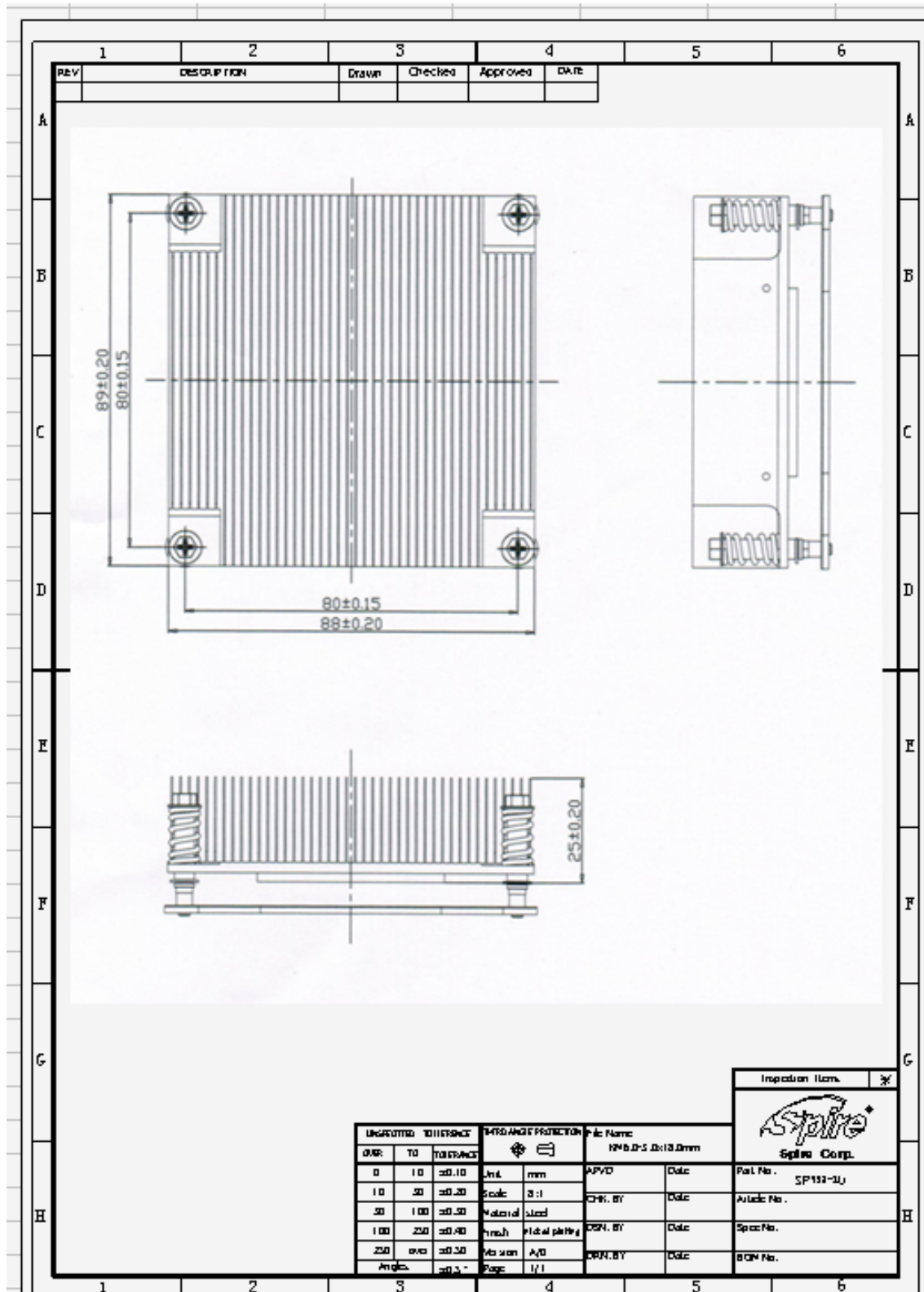
Dimensions	Heat sink :	80L x 82W x 28H (mm)
	FAN size	70*70*15
Rated speed	5000rpm	
Bearing	Ball Bearing	
Rated power	4.2 W	
Noise level	39.58 dBA	
Current	0.35A	
Life hours	Sleeve: 50,000	
Connector	4 pin, main board	
Model	1366 1U	
Weight	400 g	
Material	Copper	
Fin pitch	1.4	
Fin thickness	~0.30	
TDP (W)	130 @5M/S	
Thermal Resistance	5M/s Flow Speed 0.28°C/W	
Accessories	Stars-420 White Grease & back plate	

4. Product Drawing

4.1 Assembly Drawing



4.2 Cooler





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5. Correlative Certification compliance

SGS

Test Report No.: GZ0905069377/CHEM Date: MAY 25, 2009 Page 1 of 3

CHENGDU WEIHANG INDUSTRIAL CO., LTD
DISTRICT B TIAN'E INDUSTRIAL ZONE CHENGHUA DISTRICT, CHENGDU, SICHUAN

The following sample(s) was/were submitted and identified on behalf of the applicant as HEAT SINK

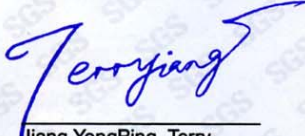
SGS Ref No. : GC090502748
Sample Receiving Date : MAY 17, 2009
Testing Period : MAY 17, 2009 TO MAY 25, 2009

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products
(1) Determination of Cadmium by ICP.
(2) Determination of Lead by ICP&AAS.
(3) Determination of Mercury by ICP.
(4) Determination of Hexavalent Chromium by Colorimetric Method.

Test Results : Please refer to next page.

Signed for and on behalf of
SGS-CSTC Ltd.


Jiang YongPing, Terry
Sr. Engineer

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	No.1	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(2)	N.D.	2
Mercury (Hg)	(3)	N.D.	2
Hexavalent Chromium (CrVI) by Spot test	(4)	Negative	See Note 4

Test Part Description:

No.1 Copper-colored metal

Note : 1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

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