



APPROVAL SHEET

CPU Coolers

SALES MODEL NO: SP986B1-V3-2P

ENGINEER NO: SC986B1-V3-2P



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Checked by	Drafted by

Spire Corp.

Tel.: +86-755-26801568 Fax: +86-755-26801561

[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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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Cooler	SC986B1-V3-2P	1	AL+CU
2	Fan	0212025B1L4W3-PWM	1	Plastic
3	fan speed adjustor	04984PM01	1	

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 : Cooler



Picture 2: Fan



Picture 3: Fan Label



Picture 4: 4 pin connector (black)



Picture 5: Fan Clip (4 PCS)



Picture 6: Intel washer+nut



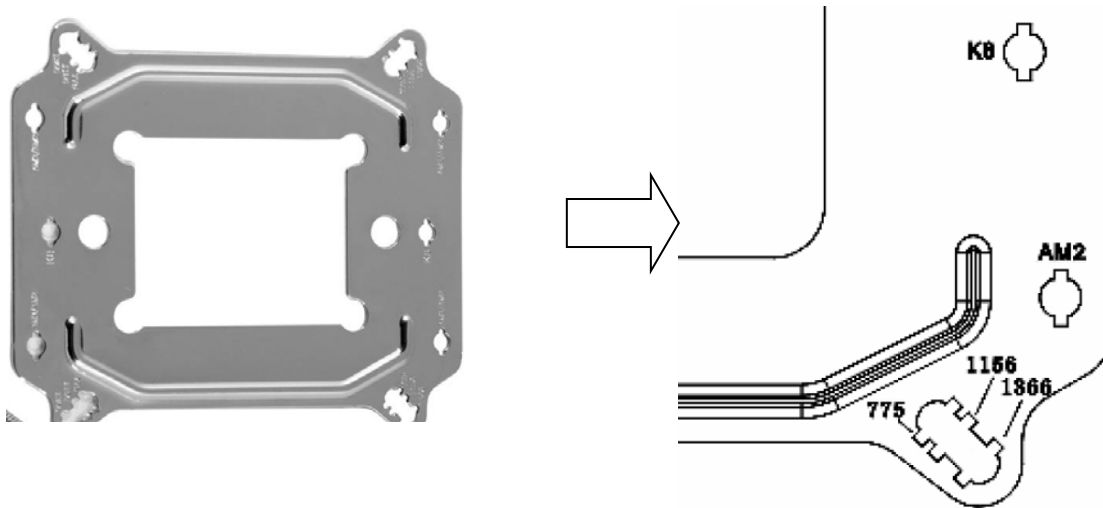
Picture 7: Fixing bolt #6-32 X33.5mm



Picture 7: Fixing bolt (#6-32)



Picture 8: AMD appurtenance



Picture 10: Common backboard



Picture 11: fan speed adjustor



3. Features and Specifications:

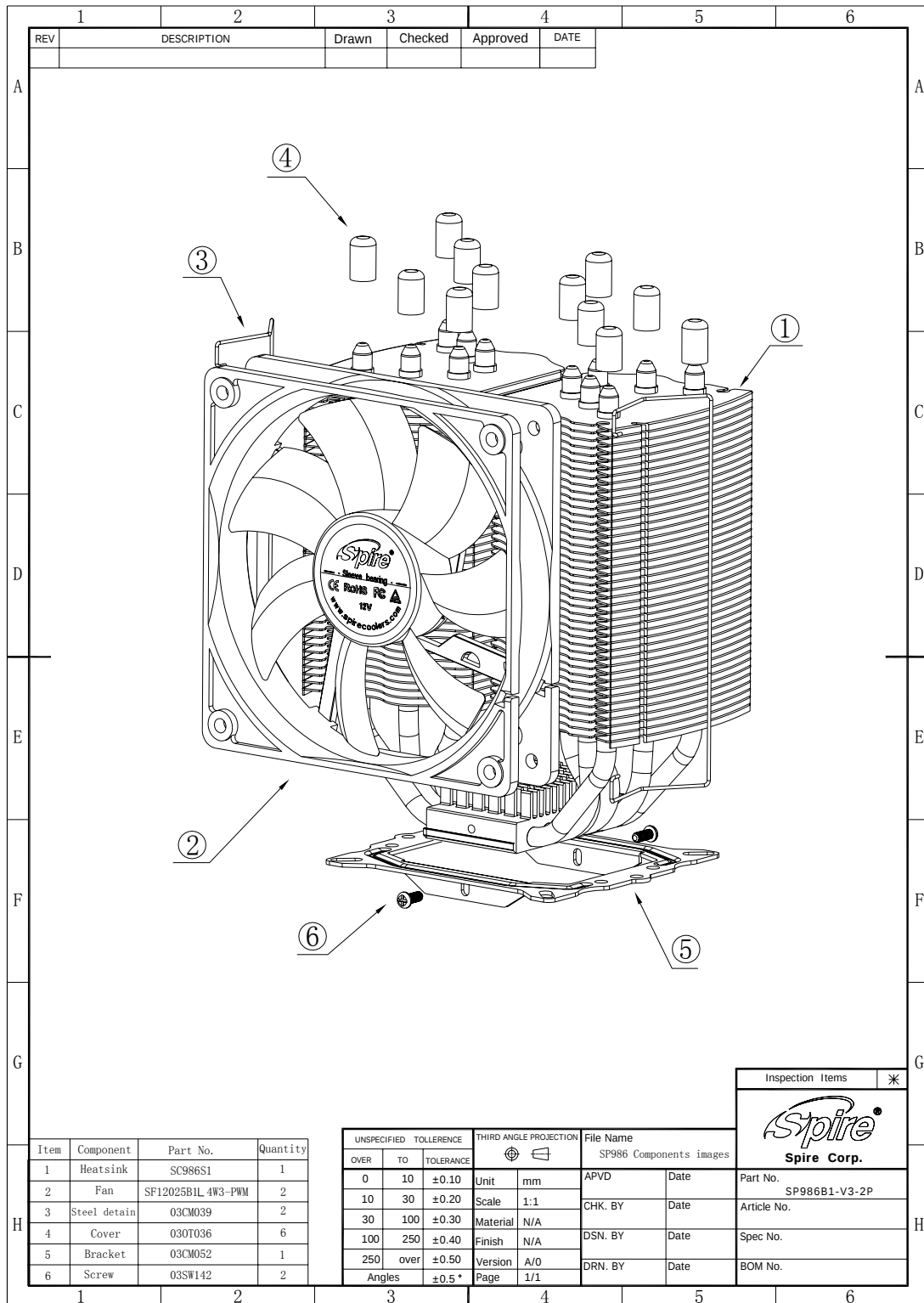
Main features:

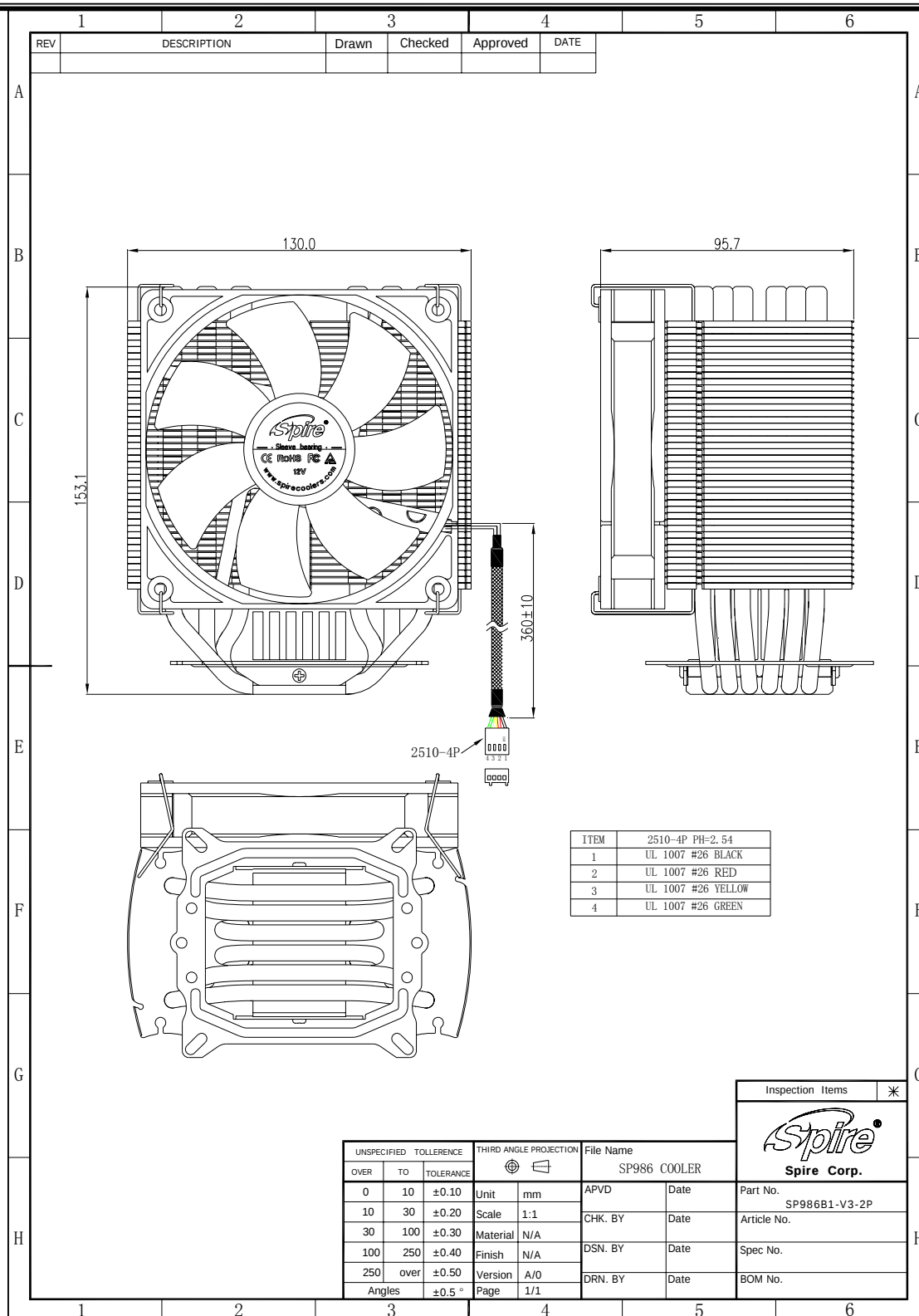
- Six 6mm all copper u-shaped heat-pipes
- All new Direct-Touch heat-pipe technology
- TWO 120mm BlackStar 9 blade fan design
- 46 stamped Aluminum Micro-Fin`s
- Supports the latest Intel &AMD micro-processors

Specifications:

Dimensions	Heat sink : 131X71X153mm	
	12VDC Fan : 120X120X25mm	
Material	AL+CU	
heatpipe	Six(6) 6mm all copper u-shaped direct	
Bearing	Ball Bearing	
Rated speed	Cooler	600~1700 RPM +/-10%
	Only fan 12V	600~1650 RPM +/-10%
Rated power	1.8 W	
Noise level	10~25 dBA	
Air flow	71.12CFM at 1,700 RPM	
Current(MAX)	0.15A	
Connector	4 pin, main board	
Application	AMD AM2	Socket754/939/940 Intel LGA775 &LGA1155&LGA1156&LGA1366 All catena
TDP(Watt)	130W	
Thermal resistance	0.091°C/W	
Life hours	Ball: 50,000	
weight	842g(Cooler only)	

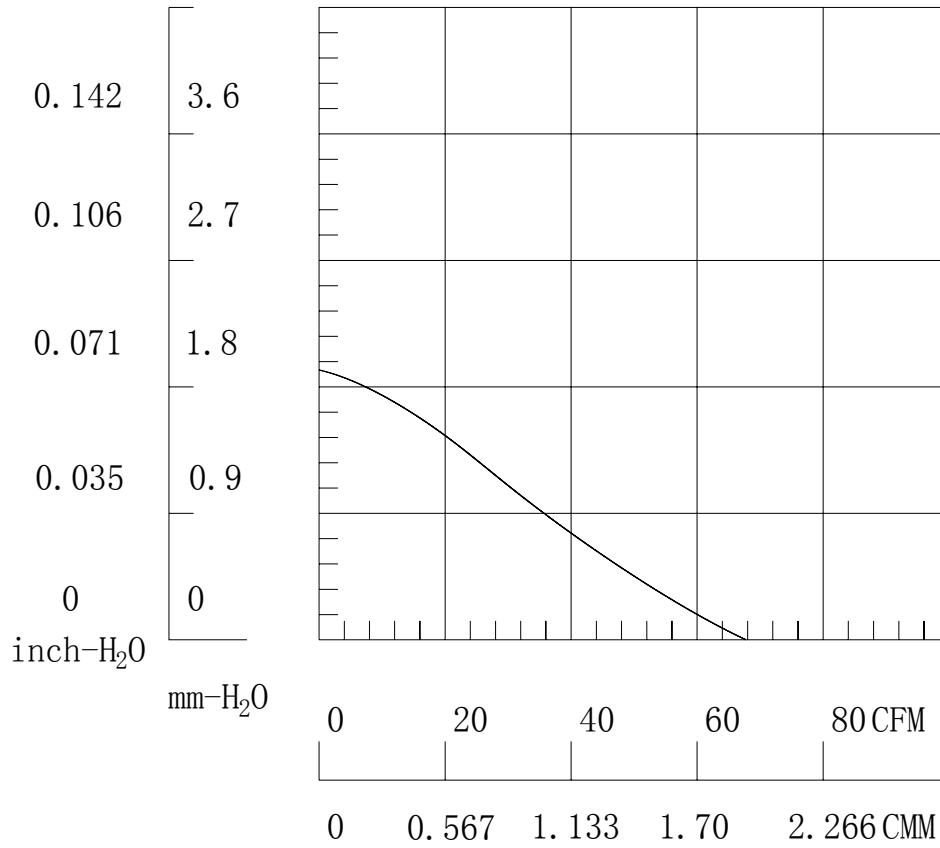
4.1 Assembly Drawing





FAN MODEL: SF12025B1H4W3-PWM

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed(Only fan)	: 600~1650RPM ±10%
4) Static Pressure	: 2.12 mm-H ₂ O
5) Air Flow	: 71.12CFM
6) Rated Current	: 0.15A
7) Rated Power	: 1.80WATTS
8) Noise Level	: 10~25 dB(A)
9) Operating Temperature	: -10 to 70 °C
10) Storage Temperature	: -40 to 70 °C
11) Bearing System	: Ball Bearing
12) Connector	: 4 pin
13) Weight	: 124 g





7. Cumulative Certification compliance

Spire Corp.

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	