



# APPROVAL SHEET

## CPU Coolers

SALES MODEL NO: SP805S3-PWM

ENGINEER NO: SC805S3-PWM



|                                                                                                |                   |
|------------------------------------------------------------------------------------------------|-------------------|
| <b>Article No. : SP-AP-SC-A419</b><br><b>Issue Date : Nov 6 , 2012</b><br><b>Version : A/0</b> | <b>Audited by</b> |
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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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| A/0     | N/A             | First Version | 2012-11-6    |            |            | N/A     |
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## **1. Main Components List**

| <b>Item</b> | <b>Components</b> | <b>Part No.</b>   | <b>Quantity</b> | <b>Material</b> |
|-------------|-------------------|-------------------|-----------------|-----------------|
| 1           | Heat sink         | 01AL805AW1        | 1               | AL              |
| 2           | Clip              | 03CM048           | 1               | Metal           |
| 3           | Screw             | 03SW023           | 4               | Metal           |
| 4           | Fan               | SF09025SRM4W2-PWM | 1               | Plastic         |

## 2. Multi views and images

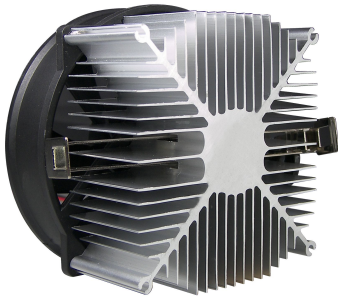
### 2.1 Cooler images



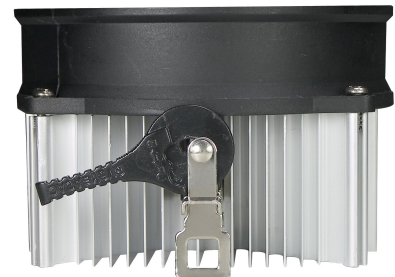
Picture 1 : Full view



Picture 2 : Top view

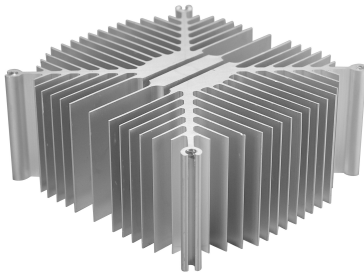


Picture 3 : Base view



Picture 4 : Side view

## 2.2 Components images



Picture 1 : Heatsink



Picture 2: Screw



Picture 3: Fan



Picture 4: Clip



Picture 5: Fan Label



Picture 6: 4 PIN PWM (2510)



### 3. Features and Specifications:

#### Main features:

Supports all new AM2/AM3/AM3+/FM1/FM2 micro-processors

Ø95x25mm sleeve fan for silent operation

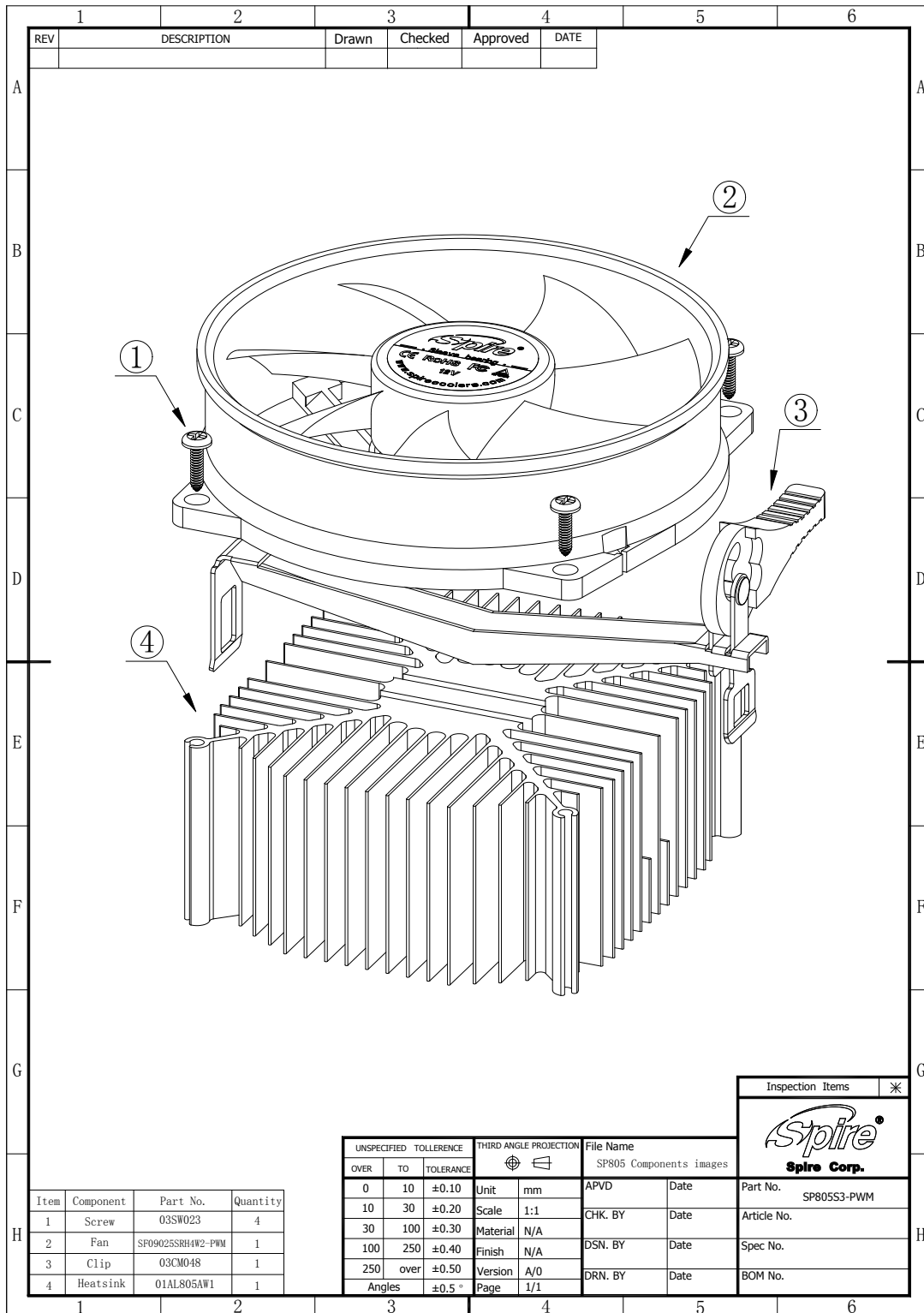
High-density extruded heat-sink with large base for optimal heat conductivity

#### Specifications:

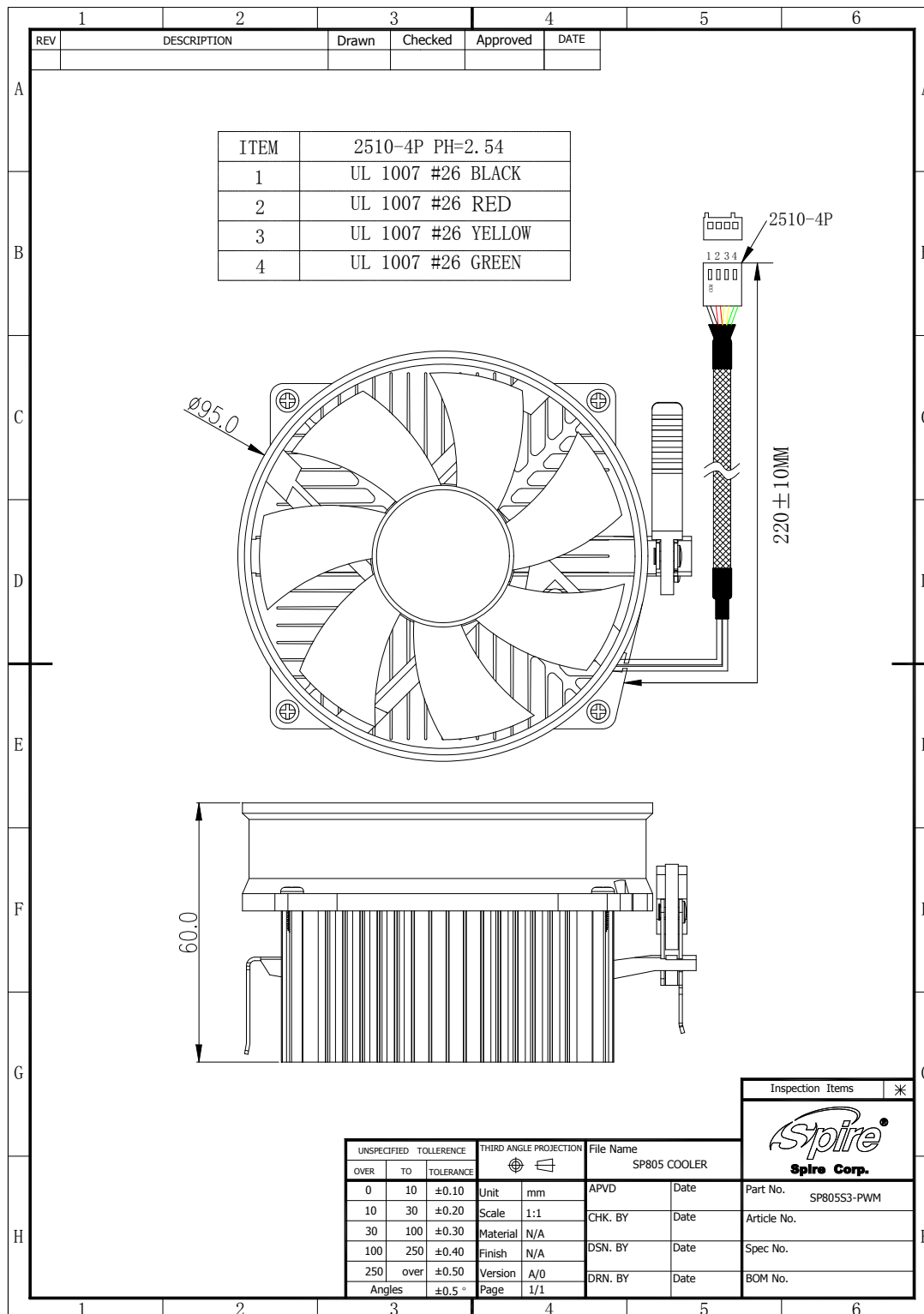
|                    |                           |                     |
|--------------------|---------------------------|---------------------|
| Dimensions         | Heat sink : 77X85X34 mm   |                     |
|                    | 12VDC Fan : Ø 95x25mm     |                     |
| Material           | AL                        |                     |
| Bearing            | Sleeve Bearing            |                     |
| Rated speed        | Cooler                    | 600~2200 RPM +/-10% |
|                    | Single fan                | 600~2200 RPM +/-10% |
| Rated power        | 1.92 W                    |                     |
| Noise level        | 10.0~26.0 dBA             |                     |
| Air flow           | 45.26CFM Max.             |                     |
| Current            | 0.16A                     |                     |
| Life hours         | Sleeve: 30,000            |                     |
| Connector          | 4 PIN PWM(2510)           |                     |
| Application        | AMD: AM2/AM3/AM3+/FM1/FM2 |                     |
| TDP                | 95W                       |                     |
| Thermal resistance | 0.347°C/W                 |                     |
| Thermal type       | Stars-TIG780-50 grease    |                     |
| weight             | 238g(Cooler only)         |                     |

## 4. Product Drawing

### 4.1 Assembly Drawing



## 4.2 Cooler





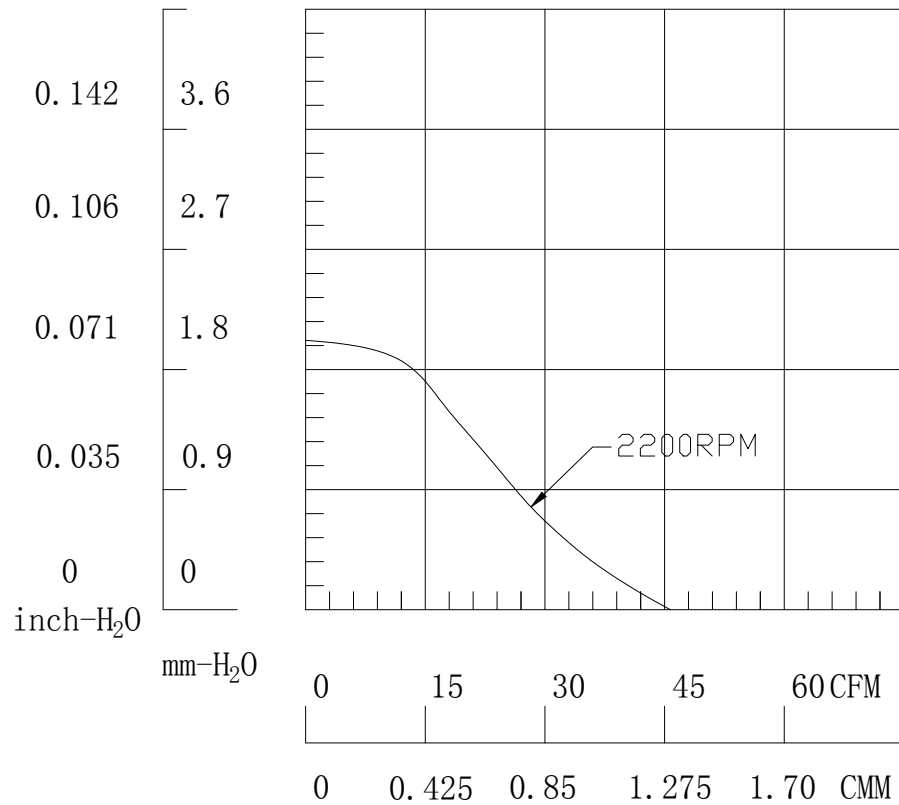
**5. Fan Specification:**

**FAN MODEL: SF09025SRM4W2-PWM**

|                            |                            |
|----------------------------|----------------------------|
| 1) Rated Voltage           | : 12VDC                    |
| 2) Operating Voltage Range | : 10.2 ~13.8VDC            |
| 3) Rated Speed (only fan)  | : 600~2200RPM ±10%         |
| 4) Static Pressure         | : 2.11 mm-H <sub>2</sub> O |
| 5) Air Flow                | : 45.26 CFM Max.           |
| 6) Rated Current           | : 0.16 A                   |
| 7) Rated Power             | : 1.92WATTS                |
| 8) MAX Noise Level         | : 10.0~26.0 dB(A)          |
| 9) Operating Temperature   | : -10 to 70 °C             |
| 10) Storage Temperature    | : -40 to 70 °C             |
| 11) Bearing System         | : Sleeve Bearing           |
| 12) Connector              | : 4 PIN PWM(2510)          |
| 13) Weight                 | : 64.0g                    |



## 6. P&Q Characteristic curves





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## **7. Correlative Certification compliance**

| <b>Item #</b> | <b>Certification type</b> | <b>Certification Number</b> | <b>Certification listing</b>                               | <b>Remark</b> |
|---------------|---------------------------|-----------------------------|------------------------------------------------------------|---------------|
| 1             | EMC                       | BCT07LC-807E                | <a href="http://www.bontek.com.cn">www.bontek.com.cn</a>   |               |
| 2             | LVD                       | BCT07LC-807S                | <a href="http://www.bontek.com.cn">www.bontek.com.cn</a>   |               |
| 3             | FCC                       | ASZ08041007FK               | <a href="http://www.aovt.com">www.aovt.com</a>             |               |
| 4             | ROHS                      | GZ0803038947A/CHEM          | <a href="http://www.rohs.cn.com">www.rohs.cn.com</a>       |               |
| 5             | TUV                       | R50131773                   | <a href="http://www.sz.chn.tuv.com">www.sz.chn.tuv.com</a> |               |