



APPROVAL SHEET

CPU Coolers

MODEL NO: SP450S8



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Approval Sheet Revisement Record

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1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	01CA450AW	1	AL+CU
2	Screw	03SW032	4	Steel
3	Clip	03CM003	2	sus301
4	Fan	0207015S1M3W2	1	Plastic

2. Multi views and images

2.1 Cooler images



Picture 1 : Full view



Picture 2 : Top view



Picture 3 : Base view

2.2 Components images



Picture 4 : Heatsink



Picture 5: Screw



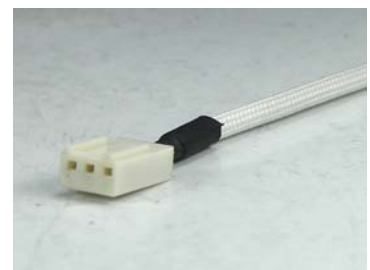
Picture 6: Clip



Picture 7: Fan



Picture 10: Fan Label



Picture11: 3 pin connector



3. Features and Specifications:

Main features:

Supports all new Intel P4 micro-processors

70x70 x 15mm Sleeve bearing fan for silent operation

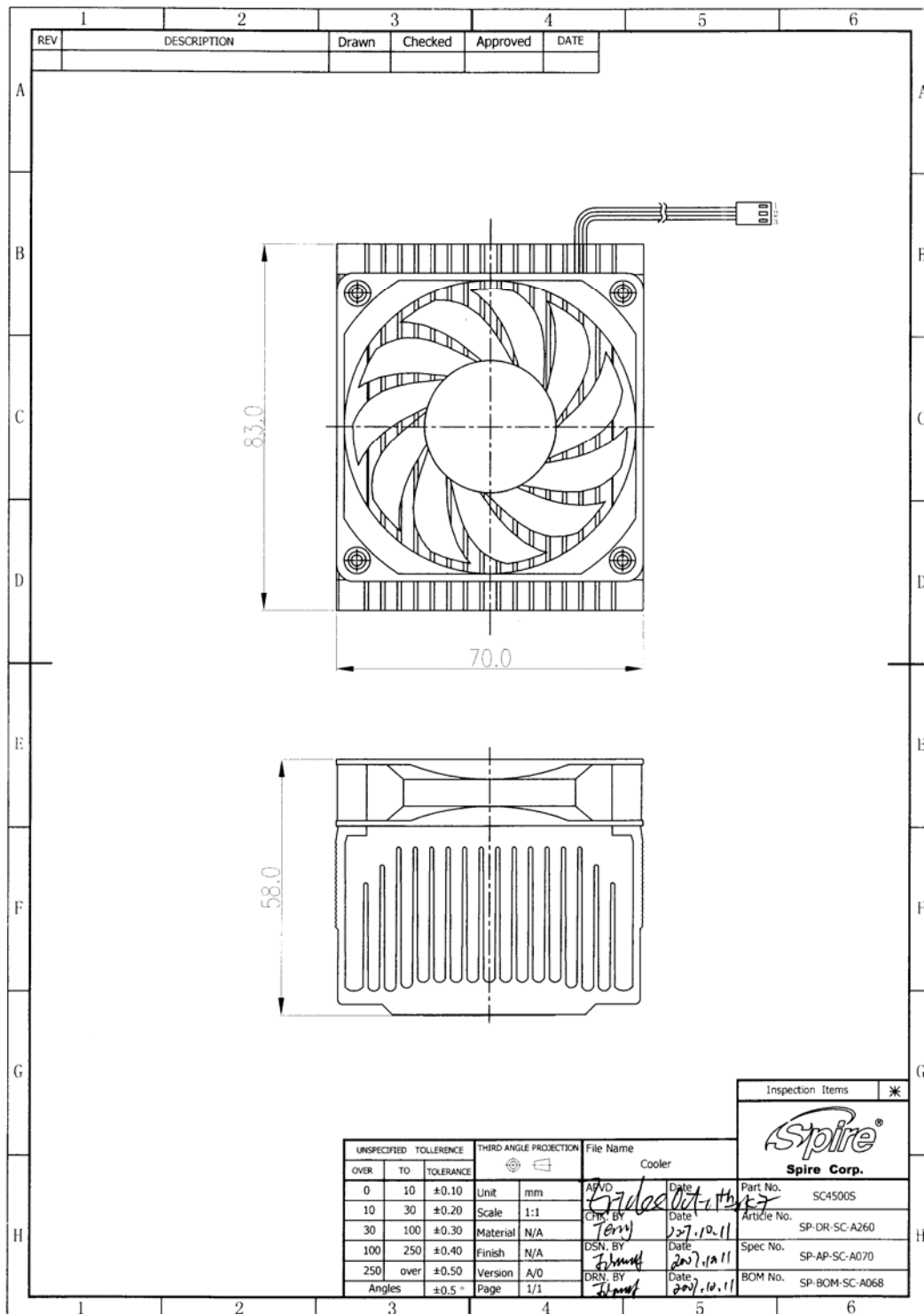
Extruded heat-sink with massive copper-core for optimal heat conductivity

Specifications:

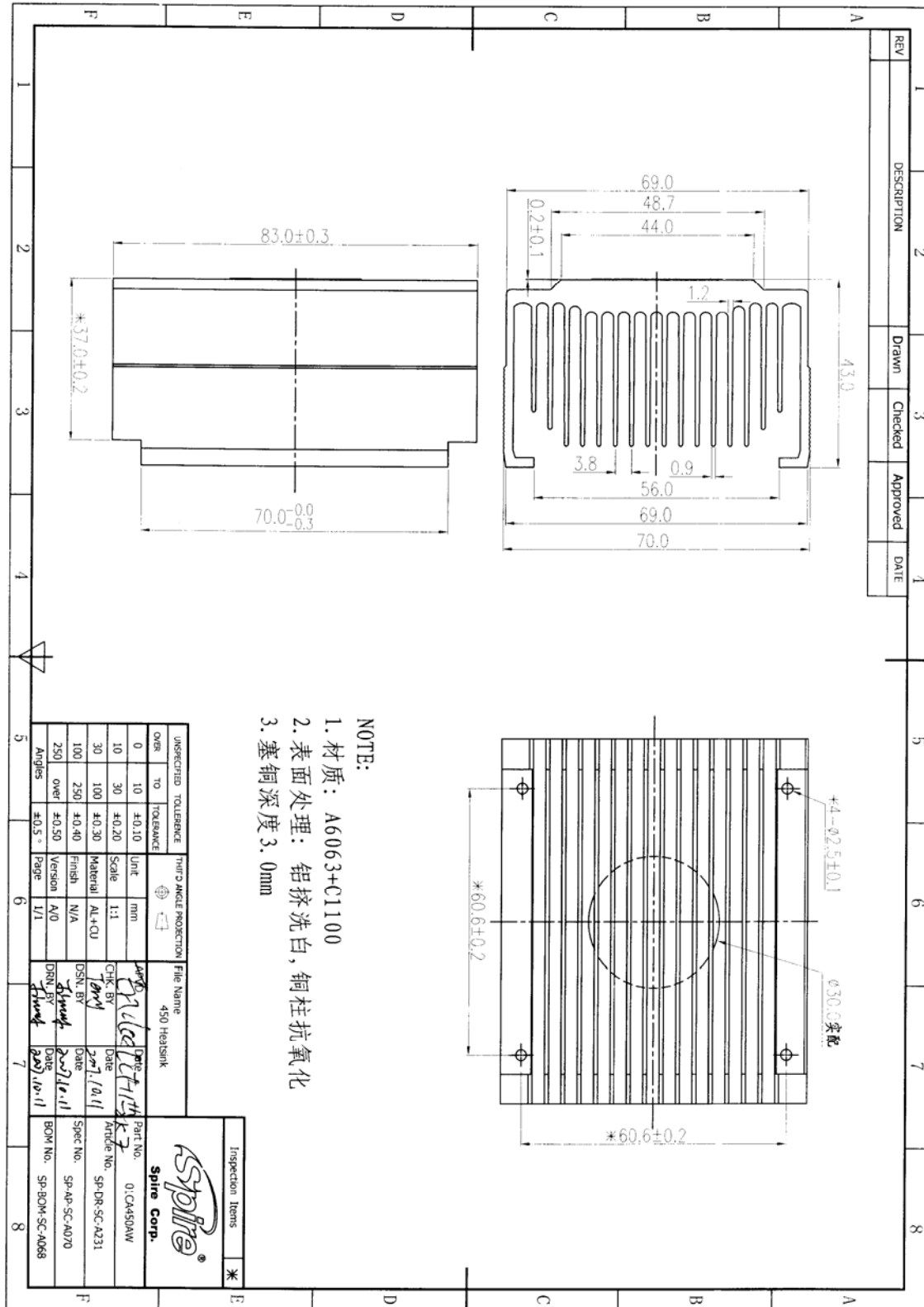
Dimensions	Heat sink : 83X69X43 mm (l × w × h) 12VDC Fan : 70X70X15 mm
Bearing	Sleeve Bearing
Rated speed	3200 RPM +/-10%
Rated power	2.16 W
Noise level	26.0 dBA
Air flow	33.8 CFM at 3,200 RPM
Current	0.18 A
Life hours	Sleeve: 30,000
Connector	3 pin, main board
Application	Celeron ~ 2.8 GHz (fc-pga2) Intel : Celeron D ~ 2.93 GHz (340J) Celeron D ~ 3.2 GHz (345) Pentium 4 ~ 3.8 GHz (478Prescott)
Thermal resistance	0.345°C/W
Thermal type	Stars-420 white grease (pre-applied)

4. Components Drawing

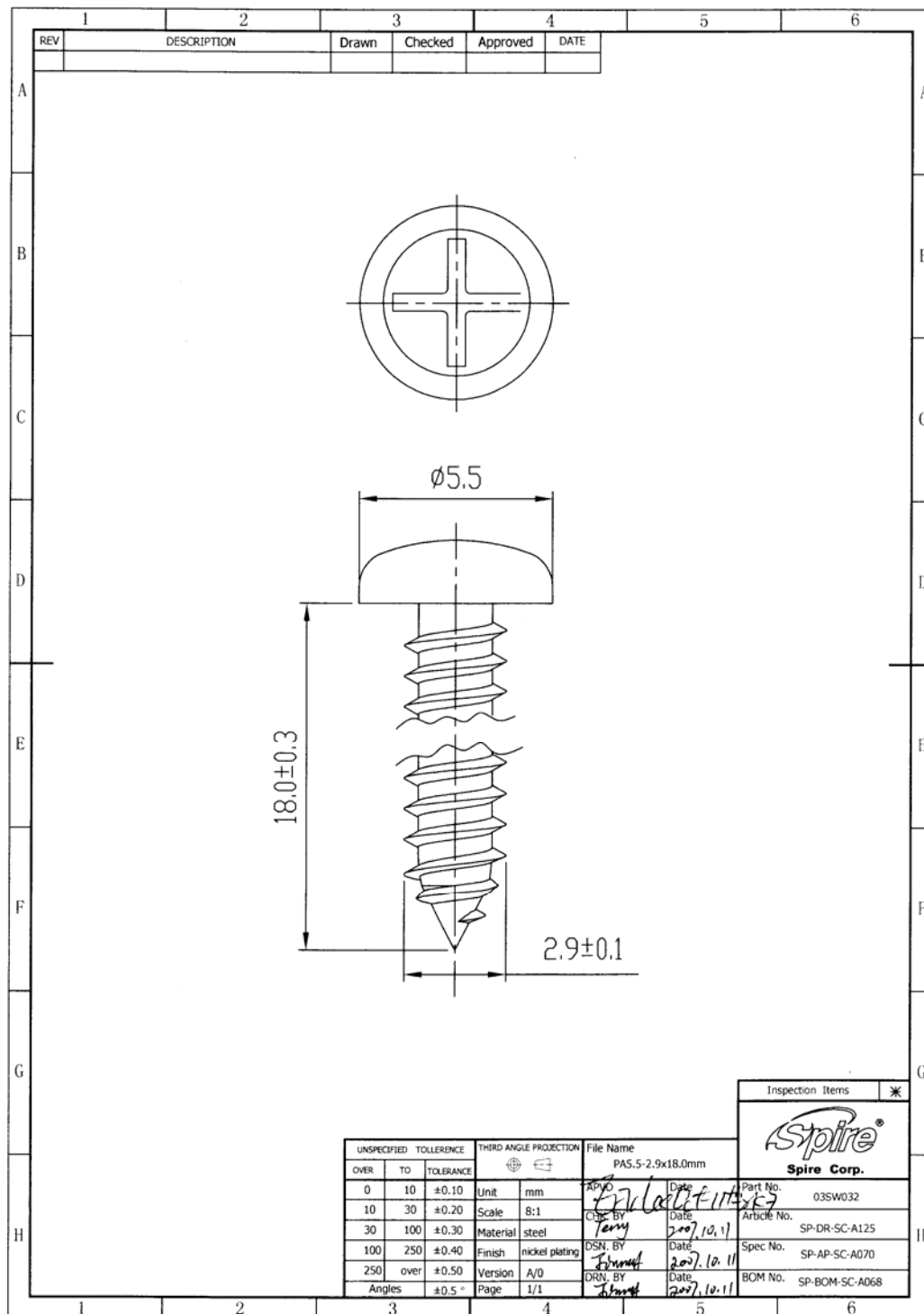
4.1 Cooler



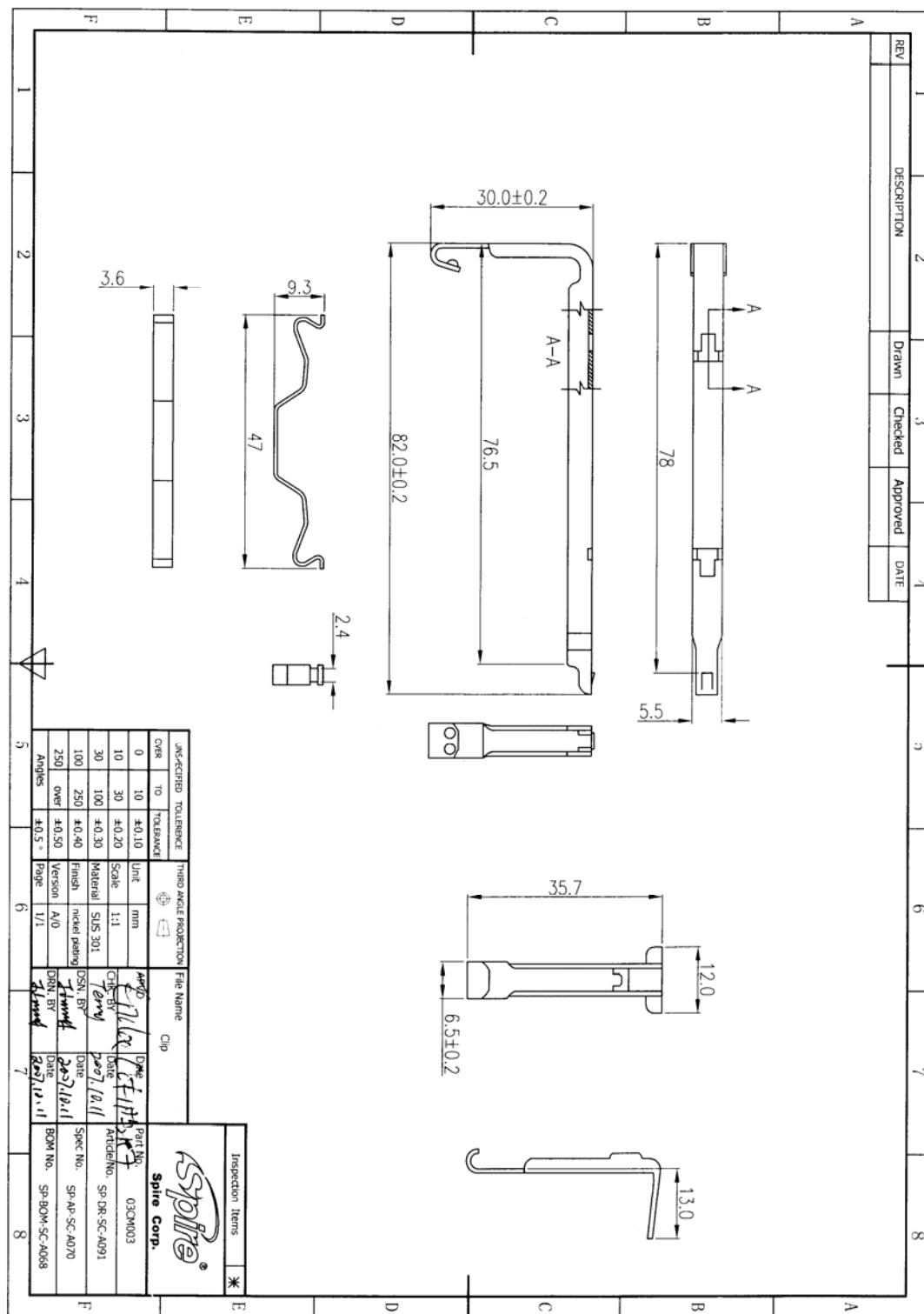
4.2 Heatsink



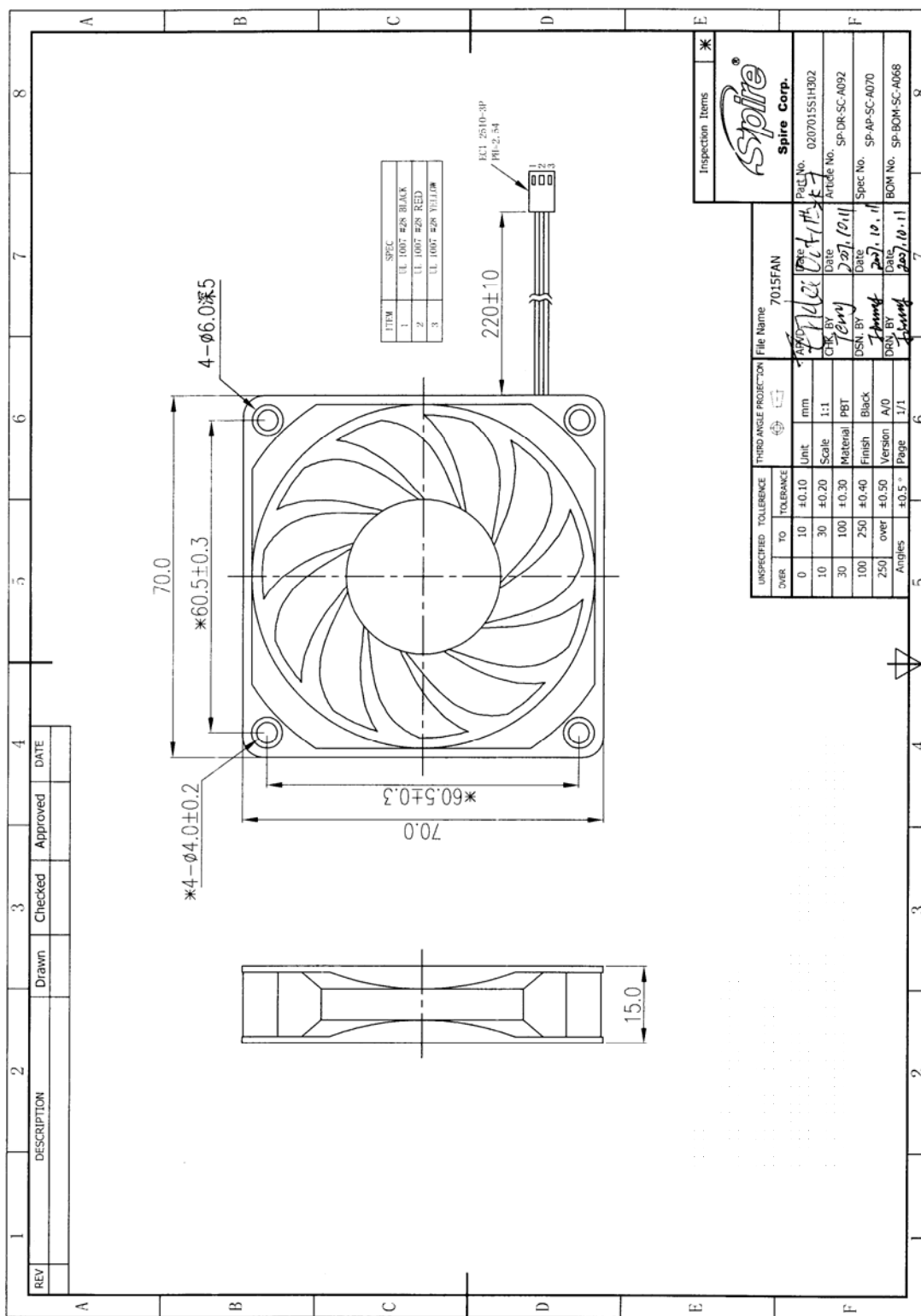
4.3 Screw



4.4 Clip



4.5 Fan





5. Fan Specification:

FAN MODEL: 0207015S1M3W2

1) Rated Voltage	: 12VDC
2) Operating Voltage Range	: 10.2 ~13.8VDC
3) Rated Speed	: 3200RPM $\pm$ 10%
4) Static Pressure	: 2.97 mm-H ₂ O
5) Air Flow	: 33.8CFM
6) Rated Current	: 0.18 AMP
7) Rated Power	: 2.16WATTS
8) Noise Level	: 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	: 3 pin
13) Weight	: 43 g