# 承认书

## SPECIFICATIONS FOR APPROVAL

客戶名稱 CUSTOMER:				
产品名稱 DESCRIPTION:	CPU	C00LER		
客户产品編號 CUSTOMER P/N:				
NTK产品編號 NTK PART NUMBER:	20% % \$) 01			
承認書編號 APPROVAL SHEET NO.:	201, %&\$) 01	版本 VERSION:	REV0	
發出日期 ISSUED DATE:	201, /‰/\$)	樣品數量 SAMPLES Q'TY:	Pcs/Kit	
確認事由 SAMPLE STATUS	NEW PRODUCT RE- SOURCING	☐ DESIGN ☐ OTHER	CHANGE	
客户確認 CUSTOMER APPROVED	核準 APPROVED	審核 CHECKED	經辦 PREPARED	
	WEN	WEN	Ruochen. Liao	







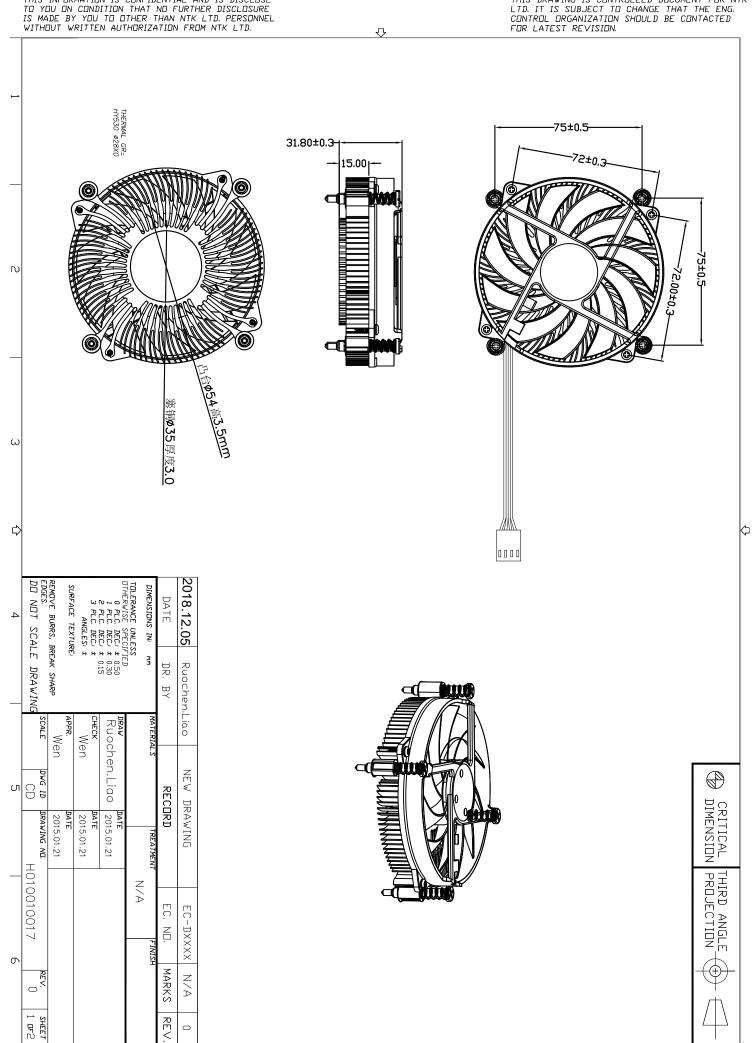








ISO 9001:2008 ISO 14001:2004 OHS 18001 IECQ QC 080000



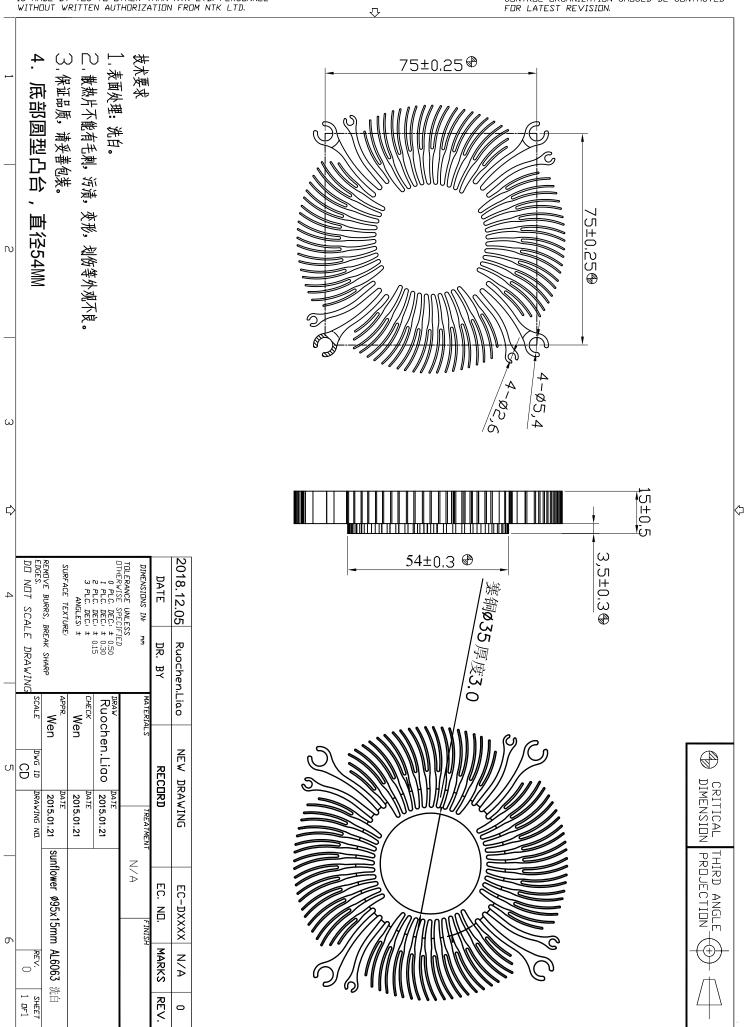
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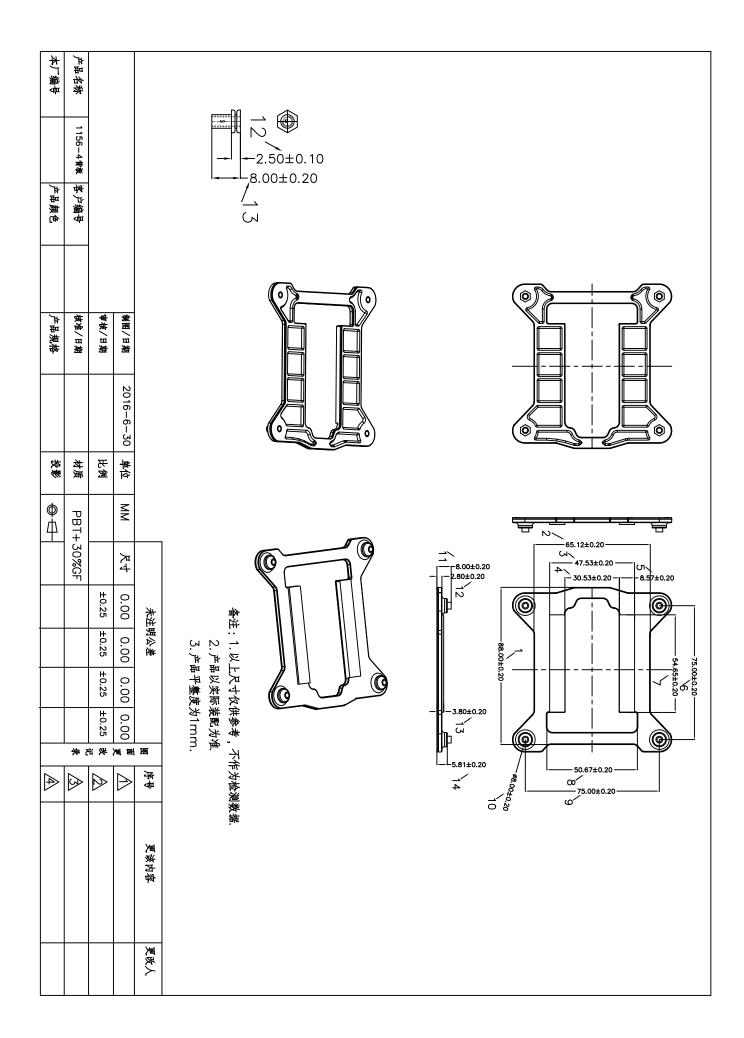
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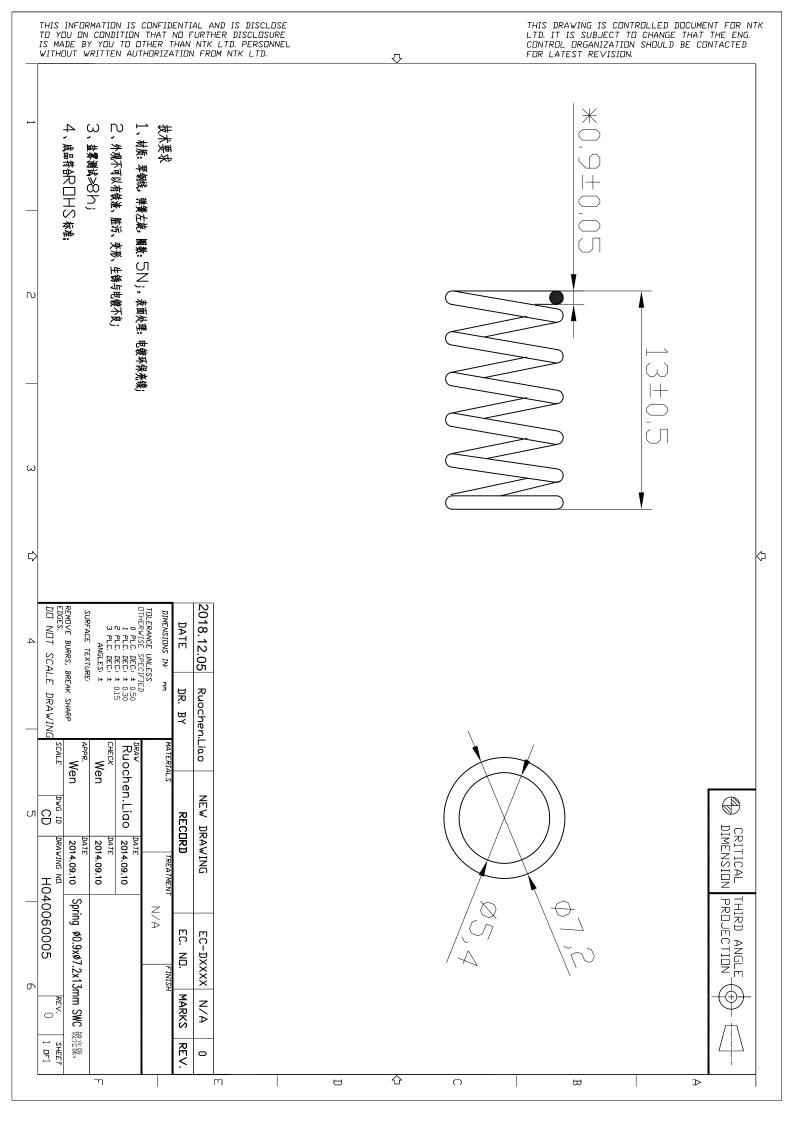
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A. 一般规格 (General Specification)

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项目(Item)		规格/条件(Specification/Condition)		
01	型号 (Part No.)	CD9215M12FA		
02	外型尺寸 (Outline Dimension)	95mm*95mm*16.8mm		
03	额定电压(Rated Voltage)	DC 12V		
04	启动电压(Starting Voltage)	7.0V ON/OFF	a. 额定电压(Rated Voltage)	
05	额定电流(Rated Current)	0.20A MAX	b. 25°C 65% RH	
06	消耗功率 (Power Consumption)	2.4 W MAX	c.After testing for 5 minutes	
07	转速(Speed)	0%=800RPM±300 100%=2800RPM±10%	a.25℃ 65% RH b.自由空气(Free Air) c.额定电压(Rated Voltage) d.After testing for 5 minutes	
08	最大风量 (Max. Airflow)	36.28 CFM	a.额定电压(Rated Voltage)	
09	最大静压(Max.Static Pressure)	1.7 mm-H2O	b.AMCA标准(Standard) c.额定电流(Rated Current)	
10	音量标准(Noise Level)	37.6 dB(A)	a. 额定电压(Rated Voltage) b. 无音室测试(Measured in a Non-Echo Chamber) c. CNS 8753标准(Standard) d. ISO 3744测试条件(Test Condition)	
11	寿命(Life)	25000 Hrs 40°C	MTTF (Mean Time to Failure) Conf.Level 90%	
12	扇叶数(No. of Blade)	11片叶		
13	极数(No.of Pole)	4极		
14	旋转方向(Rotating Direction)	目视扇框底标签面顺时针转		

## B. 主要材料/零件规格 (Main Materials/Parts Specification)

	材料/零件(Materials/Parts)	规格(Specification)	
01	塑胶材料/扇叶、外框	PBT黑色圆框_PBT白色11葉	
02	轴承(Bearing)	液压轴承(LONG LIFE BEARING)	
03	导线(Lead Wire)	UL1061 28AWG (-)黑色 (+)红色 (FG)黄色 (PWM)蓝色 并线框外 310mm 2510-4P	

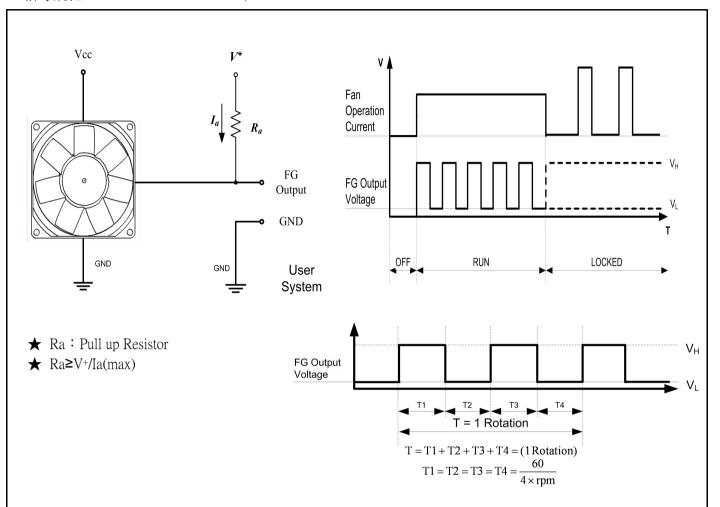
### C. 电器规格 (Electrical Specification)

项目 (Item)		规格/条件(Specification/Condition)	
1	扇叶锁住保护(Locked Rotor Protection)	常温(25℃)额定电压锁住72小时后可正常运转	
2	绝缘阻抗(Insulation Resistance)	10MΩ/裸线与外框测量500VDC/min	
3	绝缘耐压(Dielectric Strength)	5MA MAX/导线与外框测量500VDC/min	

### D. 环境测试 (Environmental Specification)

	项目 (Item)	规格/条件(Specification/Condition)
01	运转温/湿度范围 (OperatingTemp.Range)	温度: -10℃~70℃ 湿度: 35%-85%RH
02	保存温度范围 (Storage Temperature)	温度: -10℃~70℃ 湿度: 35%-85%RH
03	耐湿性 (Humidity)	实验后,电气规格依据M1L-STD 202F Method 103B 寿命: 96小时 湿度: 95%RH 温度: 40±2℃
04	热冲击 (Tuermal Shock)	试验后,电气规格依据MIL-STD 202F Method 107D
05	绝缘阶段(Insulation Shock)	UL A种
06	包装耐振动试验 (Packing Vibration Test)	包装后, XYZ三方向施1.1G加速度,振动30分钟后无异状
07	包装耐冲击试验 (Packing Shock Proof Test)	捆包状态下,高60CM,1棱角3边6角自然落下,无异状
08	所有的材料都为环保材料	

#### E. 信号规范 (SENSOR SPECIFICATION)



Darameter	Ratings			l loit
Parameter	Min	Type	Max	Unit
FG Supply Voltage (V+)	-	-	13.2	V
FG Output Current (Ia)	-	-	5	mA
FG Output (VL)	-	0.3	0.5	٧
FG Output (VH)	2.8 <sup>*1</sup>	-	1	V

"★" 1 :Vcc≥3.3v

#### E. SPEC. Drawing

