

SPECIFICATION FOR APPROVAL

產品規格承認書

CUSTOMER APPROVAL(客戶簽章)
DATE(日期):

CUSTOMER(客戶): _____

PART NO(料號): G99-PSF250M-N022 REV: A

DESCRIPTION(類別): PC POWER

*PLEASE SIGN AND RETURN ONE COPY.

*ALL PRODUCTION UNITS WILL BE BUILT ACCORDING
TO THIS SPECIFICATIONS.

*請客戶簽名並返回一份復本給我司，後續生產交貨依此份承認書為準

PREPARED(制定)	CHECKED(確認)	APPROVED(核准)
羅李金	韓云	葉明榮
DATE : 2012.07.23	DATE : 2012.07.23	DATE : 2012.07.23

MODEL NO(產品型號): PSF-250M4

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[Http://www.cwt.com.tw](http://www.cwt.com.tw)

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1.0 INPUT:**1.1 VOLTAGE**

MINIMUM	NOMINAL	MAXIMUM	UNITS
207	230	244	Vrms

1.2 FREQUENCY

47Hz ~ 63Hz

1.3 CURRENT

230Vac/3A max.

1.4 INRUSH CURRENTNo damage at 25⁰C cold start.**1.5 POWER EFFICIENCY**

68% (min.) at full. load, 230Vac input.

1.6 LEAKAGE CURRENT

3.5mA max.

2.0 OUTPUT:

Voltage	+5V	+12V	+3.3V	/	+5Vsb
* II Max load	19.0A	16.0A	18.0A	/	1.5A
Min load	0.3A	1A	0.5A	/	0.0A
Peak load	--	18.0A	--	/	2A
* ∞ Regulation	5%	5%	5%	/	5%
* ∞ Ripple	50mV	120mV	50mV	/	50mV
* ∞ Ripple & Noise	100mV	150mV	100mV	/	100mV

* II The continuous total output power is 250W max.

? The combined power of +5V and +3.3V is 105W max.

? Peak currents may last up to 17 seconds with not more than one occurrence per minute

* ∞ Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test.

* ∞ LOAD REGULATION TEST TABLE:

	+5V	+12V	+3.3V	/	+5Vsb
LOAD1	10	12.8	10	/	2
LOAD2	8.5	16	0.5	/	2
LOAD3	19	5	0.5	/	2
LOAD4	19	11.6	0.5	/	2
LOAD5	1	16	13	/	1
LOAD6	9	10	18	/	2
LOAD7	0.3	16	7	/	2
LOAD8	0.3	1	0.5	/	0

2.1 REMOTE ON/OFF

TTL High/PS-OFF; TTL Low/PS-ON

$V_{IL}=0.8V_{max}$, $I_{IL}=-1.6mA_{max}$ @ $V_{in}=0.4V$

$V_{IH}=2.0V_{min}$ @ $I_{in}=-200\mu A$, $V_{IH}=5.25V_{max}$ @ open ckt.

2.2 HOLD-UP TIME

16msec (minimum) at 80% load, at 230AC input.

2.3 POWER GOOD DELAY

100-500 msec.

2.4 POWER FAIL DELAY

1 msec.

2.5 TURN-ON DELAY TIME

2000 msec max. At Nominal Line Full Load.

2.6 TRANSIENT OVERTHOOT

+/- 10% max with 20% load change on all outputs are 50% of the rated.

2.7 RISE TIME

100ms max at full load.

2.8 LOW POWER CONSUMPTION

Input	Load	Low Power consumption
230V /50HZ	0A	< 0.75W (PS-ON/OFF)

3.0 PROTECTION:

If the power supply protection latch off all main outputs. (when OPP, OVP or short protection is working).Reset by cycling remote on/off control or AC power.

+5Vsb is recovery.

3.1 OVER POWER PROTECTION

Foldback at 110%~150% over peak load

3.2 OVER VOLTAGE PROTECTION

+3.3V output 4.5Vmax.

+5.0V output 7.0 Vmax.

+12.0V output 15.6 Vmax.

3.3 SHORT PROTECTION

All output to GND.

4.0 ENVIRONMENT:

4.1 OPERATING TEMP. 10 °C to +50 °C

4.2 STORAGE TEMP. -20 °C to +70 °C

4.3 OPERATING HUMIDITY 20% to 90%,non-condensing

4.4 STORAGE HUMIDITY 5% to 95%, non-condensing

4.5 OPERATING ALTITUDE 0 to 10,000 feet

4.6 STORAGE ALTITUDE 0 to 50,000 feet

5.0 HI-POT:(Input/Output isolation)

5.1 PRIMARY TO SECONDARY

1500VAC for 1 minute

5.2 INSULATION RESISTANCE

Primary to earth ground 500Vdc , 50M ohms Min.

6.0 CE REQUIREMENTS

6.1 CONDUCTED EMI

1. FCC : Class B
2. CISPR 22 : Class B
3. BSMI : Class B

6.2 SAFETY STANDARDS

1. CUL (UL 60950)
2. TUV(EN 60950)
3. CB (IEC 60950)
4. CE
5. CCC

6.3 HARMONIC

IEC1000-3-2,Class D

7.0 MTBFat 25 ℃(demonstrated)

100KHrs minimum

8.0 DIMENSIONS

MODEL : PSF-250M4

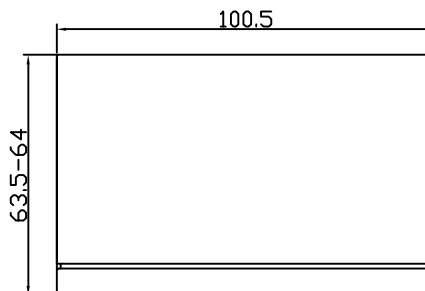
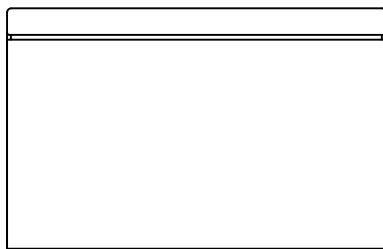
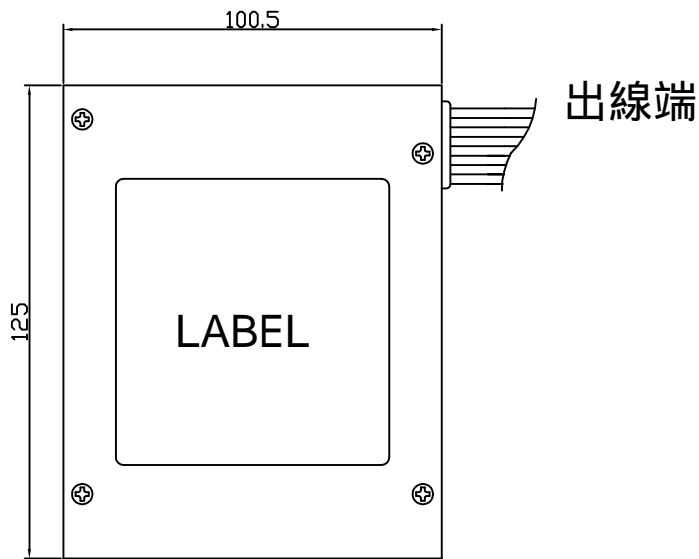
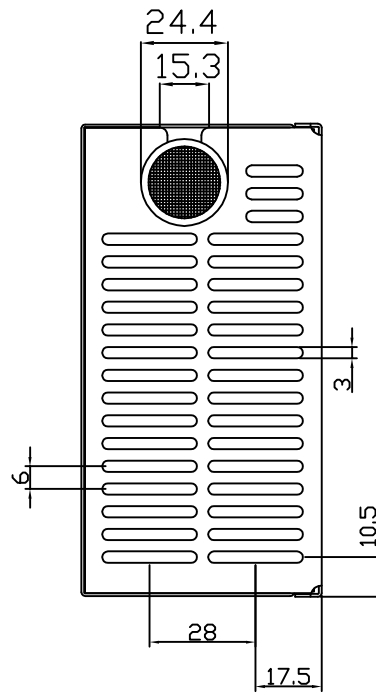
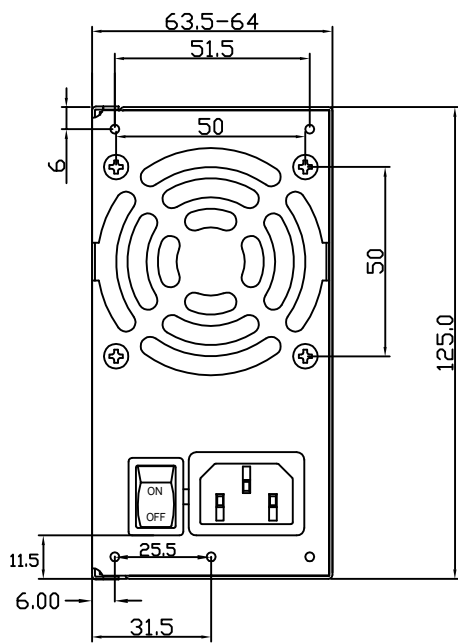
FOR CASE STYLE:

T:W x L x H = 85(mm)x140(mm)x65(mm)

M:W x L x H =100(mm)x125(mm)x63.5(mm)

E: W x L x H = 83(mm)x150(mm)x65(mm)

版本	修訂內容	修訂者	日期
A	新制訂	劉明艷	091104



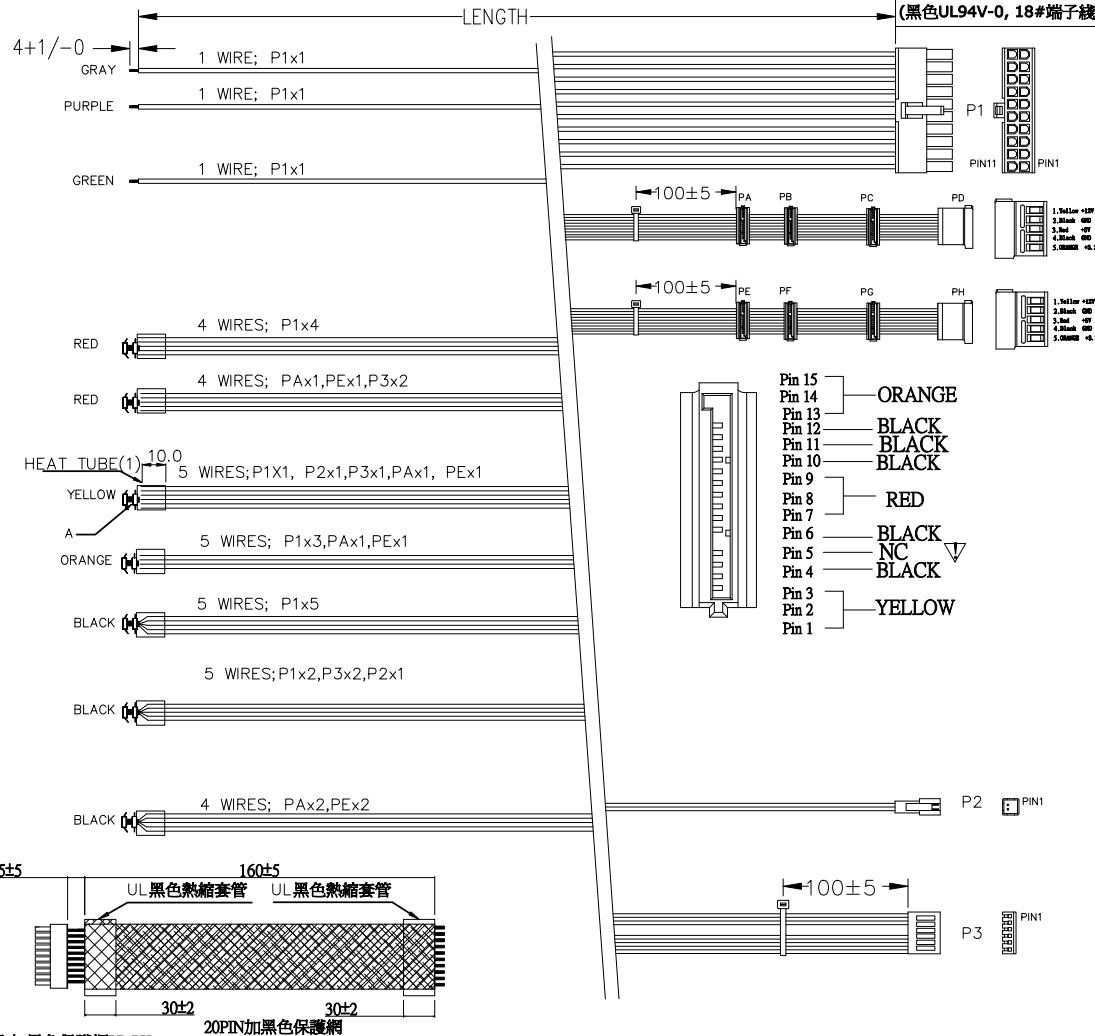
	APPROVED	DATE	DRAWING NO.	UNIT	REV.
	葉明榮	091104		INCHES (MM)	A
TITLE	DESIGNED	DRAWING	MODEL NO.	TOLERANCES:	SHEET
	韓云	劉明艷	PSF	.XX = ± .10 .XXX = ± .010	1/1

版本	修訂內容	修訂者	日期
0.1	新制訂	彭忠華	20120518
0.2	指定HOUSING以及金屬彈片廠商	彭忠華	20120619

插接式15PIN+刺破15PIN

- 插接式15P端子: 華亞型號A3800H1518SYBK-R
- 插接式15P端子金屬彈片華亞型號: A3800TPSLGS3UO (3腳,鍍金3u")
A3800TPSLGS3Q020 (2腳,鍍金3u")
- 刺破式15P端子金屬彈片華亞型號: A3801W15183 +A3801CR5
(黑色UL94V-0, 18#端子線,端子是 20u"鍍銀+3U"鍍金)
- 刺破式15P端子金屬彈片永豐盈型號:
CS-3805B-05+CS-3805B-T
(黑色UL94V-0, 18#端子線,端子是 20u"鍍銀+3U"鍍金)

組裝成品後各線材外露長度(參考值)						
P1	PA,PE	P2	P3	PC,PG	PD,PH	PB,PF
200L	400L	210L	470L	210L	210L	120L



CONN	PIN	COLOR	LENGTH (mm)	OUTPUT	WIRE SPECIFICATION
P1	1	ORANGE	305.0 ± 5.0	+3.3V	UL/CSA 1007 18AWG 80°C 300V
	2	ORANGE	305.0 ± 5.0	+3.3V	
	3	BLACK	275.0 ± 5.0	GND	
	4	RED	280.0 ± 5.0	+5V	
	5	BLACK	275.0 ± 5.0	GND	
	6	RED	280.0 ± 5.0	+5V	
	7	BLACK	275.0 ± 5.0	GND	
	8	GRAY	340.0 ± 5.0	PG	
	9	PURPLE	340.0 ± 5.0	+5VSB	
	10	YELLOW	270.0 ± 5.0	+12V	
	11	ORANGE	305.0 ± 5.0	+3.3V	
	12	NC	NC		
	13	BLACK	275.0 ± 5.0	GND	
	14	GREEN	340.0 ± 5.0	PS-ON	
	15	BLACK	275.0 ± 5.0	GND	
	16	BLACK	275.0 ± 5.0	GND	
	17	BLACK	275.0 ± 5.0	GND	
	18	NC	NC		
	19	RED	280.0 ± 5.0	+5V	
	20	RED	280.0 ± 5.0	+5V	
P2	1	YELLOW	280.0 ± 5.0	+12V	UL/CSA 1007 26AWG 80°C 300V
	2	BLACK	285.0 ± 5.0	GND	
P3	1	YELLOW	540.0 ± 5.0	+12V	UL/CSA 1007 18AWG 80°C 300V
	2	BLACK	545.0 ± 5.0	GND	
	3	NC	NC		
	4	BLACK	545.0 ± 5.0	GND	
	5	RED	550.0 ± 5.0	+5V	
	6	RED	550.0 ± 5.0	+5V	
PA,PE	1	YELLOW	470.0 ± 5.0	+12V	UL/CSA 1007 18AWG 80°C 300V
	2	BLACK	475.0 ± 5.0	GND	
	3	RED	480.0 ± 5.0	+5V	
	4	BLACK	475.0 ± 5.0	GND	
	5	ORANGE	505.0 ± 5.0	+3.3V	
PB,PF	1	YELLOW	120.0 ± 5.0	+12V	UL/CSA 1007 18AWG 80°C 300V
	2	BLACK	120.0 ± 5.0	GND	
	3	RED	120.0 ± 5.0	+5V	
	4	BLACK	120.0 ± 5.0	GND	
	5	ORANGE	120.0 ± 5.0	+3.3V	
PC,PG	1	YELLOW	210.0 ± 5.0	+12V	UL/CSA 1007 18AWG 80°C 300V
	2	BLACK	210.0 ± 5.0	GND	
	3	RED	210.0 ± 5.0	+5V	
	4	BLACK	210.0 ± 5.0	GND	
	5	ORANGE	210.0 ± 5.0	+3.3V	
PD,PH	1	YELLOW	210.0 ± 5.0	+12V	UL/CSA 1007 18AWG 80°C 300V
	2	BLACK	210.0 ± 5.0	GND	
	3	RED	210.0 ± 5.0	+5V	
	4	BLACK	210.0 ± 5.0	GND	
	5	ORANGE	210.0 ± 5.0	+3.3V	

NOTES:
P1:20P H.S.+5558磷銅端子,加黑色保護網PD,PH:
黑色15P connector(PIN為鍍金)
輸入與輸出電壓差小於0.05V
PA,PB,PC,PE,PF,PG:黑色15P刺破(180度)
P2:25008 2PH.S+25008端子
P3:3.96 6PH.X+3.96端子
15PIN接口有一腳NC
HEAT TUBE:(1)UL VW-1, Ø6.0, 125°C.
A:大雙倒勾端 Ø3.2mm MAX
鍍錫直徑為1.6mm max
環保要求:所有材料必須符合ROHS要求
此線材是在G18-P023265-*D**上修改線長.

環保材料標準:

No	有害物質名稱	含量標準	SHEET METAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)			單重:g	0.2	REV.	DESCRIPTION
1	鎘 (Cd)	<75ppm	DIMENSION	PIERCING	BENDING	ANGULAR			
2	鉛 (Pb)	<800ppm	X < 8	±0.1	±0.15	±0.3*			
3	汞 (Hg)	<80ppm	8 ≤ X < 25	±0.1	±0.2	±0.5*			
4	六價鉻 (Cr ⁶⁺)	<800ppm	25 ≤ X < 100	±0.15	±0.25	±0.5*			
5	多溴聯苯 (PBB)	<800ppm	100 ≤ X < 300	±0.2	±0.3	±1*			
6	?呋喃類 (PBDE)	<800ppm	300 ≤ X < 800	±0.3	±0.5	±1.5*			
7	氣鉛酸,六價鉻(包鍍材料)	總含量<100ppm							

APPROVED	CHECKED	DESIGNED	SCALE:	SHEET	M
葉明榮	鄭斌	彭忠華	1/1	1	A4
DATE: 20120619	DATE: 20120619	DATE: 20120619	THIRD ANGLE PROJECTION	1 OF 1	

CWT 冠碩電子

UNIT: mm MODEL NO.: PSF-250M4
MATERIAL PART NO.: G18-P023275-M300
***** DRAWING NO.: 天地偉業

1 | 2 | 3 | 4 | 5 | 6


版本	修訂內容	修訂者	日期

A

B

C

D



CHANNEL WELL TECHNOLOGY
侨威科技股份有限公司

Switching Power Supply 开关电源供应器

MODEL 型号: PSF-250M4


INPUT 输入: 220/230V~ 50Hz 3A

OUTPUT 输出: +5V == 19.0A
+3.3V == 18.0A
+12V == 16.0A
+5Vsb == 1.5A

Total Power on +5V&+3.3V&+12V is 250W Max.
+5V,+3.3V,+12V总输出功率250W最大

CAUTION!HAZARDOUS AREA
DO not remove this cover,Trained service People only.
No serviceable components inside.

警告!
非专业人员请勿拆开此盖,内有高压危险,请退回代理商维修.





Made in China 中国制造 I003167 REV.0.1

80.00 mm

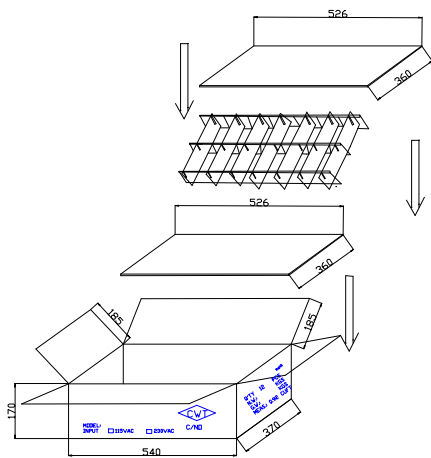
75.00 mm

環保材料標準

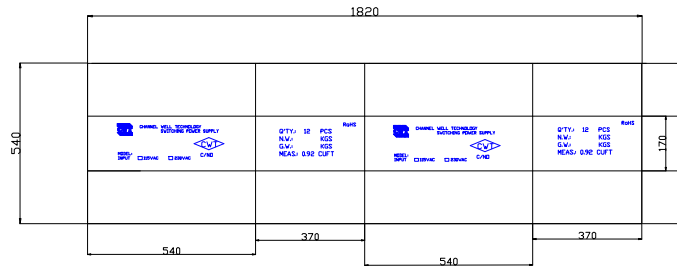
No	有害物質名稱	含量標準	SHEET METAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)				單重 : g	0.1 REV.	DESCRIPTION			
			DIMENSION	PIERCING	BENDING	ANGULAR						
1	鎘(Cd)	<75ppm										
2	鉛(Pb)	<800ppm	X<8	±0.1	±0.15	±0.3°	 冠碩電子	UNIT:mm	MODEL NO.: PSF-250M4			
3	汞(Hg)	<800ppm	8≤X<25	±0.1	±0.2	±0.5°		MATERIAL	PART NO.:G35-I003167-P100			
4	六價鉻(Cr ⁶⁺)	<800ppm							DRAWING NO.:			
5	多溴聯苯;(PBB)	<800ppm	25≤X<100	±0.15	±0.25	±0.5°		APPROVED	CHECKED	DESIGNED		
6	多溴二苯噻;(PBDE)	<800ppm	100≤X<300	±0.2	±0.3	±1°		葉明榮	鄭斌	彭忠華		
7	鎘,鉛,汞,六價鉻,(包裝材料)	總含量<100ppm	300≤X<800	±0.3	±0.5	±1.5°		DATE:20120517	DATE:20120517	DATE: 20120517	SCALE: 	SHEET 1 OF 1
												M A4

備注:

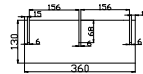
- 1、材質:UL94V0.50#消銀龍+OPP 150度,背膠(壓克力膠)
- 2、顏色:如圖標示,白底黑字
- 3.高溫測試:需耐溫100 C 24小時不可翹皮.
- 4.尺寸:75*80mm(公差+0.2/-0.2mm)
R=3.0



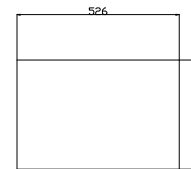
裝箱示意圖



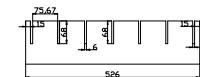
紙箱：540*380*170
 T=6MM (A=B) 藍色印刷 全藍
 新料號：G24-A543711-PI**
 舊料號：G24A540370-1B



三刀卡：360*130
 T:6MM B=C
 新料號：G24-B361311-PI**
 舊料號：G24B360130-1B
 每一個紙箱七塊



平卡：526*360
 T:6MM B=C
 新料號：G24-C523611-PI**
 舊料號：G24B526360-1B
 每一個紙箱兩塊



七刀卡：526*130
 T:6MM B=C
 新料號：G24-B521311-PI**
 舊料號：G24B526130-1B
 每一個紙箱三塊

說明：

- 1.外箱料號：G24A540370-1B,印在底部外面。
- 2.紙質：外部A=B,內部平卡B=C 刀卡B=C。
- 3.顏色：全藍色。
- 4.側面加RoHS。
- 5.字體的大小請你按照圖面的比例來印刷。

需打樣品展開圖

A	20070630		DESCRIPTION	
REV.	DATE	APPROVED	UNIT: mm	MODEL NO.: PSF 紙箱
			MATERIAL	PART NO.: G24-A543711-PI**
			舊G24A540370-1B	
APPROVED	CHECKED	DESIGNED	SCALE:	SHEET M
HANYUN	SHIJICHENG	HAIFENG	DATE: 20070630	1 OF 1 A4
DATE: 20070630	DATE: 20070630	DATE: 20070630	THIRD ANGLE PROJECTION	