



- NOTES:
1. OUTLINE DIMENSION : 168.0W*41.5H*21.0L
 2. IF CASE BY NCT PROCESS, THE TOLERANCE OF ALL DIMENSIONS MUST BE ENLARGED ±0.2 mm FOR CPK INSPECTION.
 3. OUTPUT CONNECTOR & PIN ASSIGNMENT:

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
P1 PDS. 1	GND	BLACK	UL1007 18 AWG
P1 PDS. 2	GND	BLACK	UL1007 18 AWG
P1 PDS. 3	GND	BLACK	UL1007 18 AWG
P1 PDS. 4	GND	BLACK	UL1007 18 AWG
P1 PDS. 5	+12V	YELLOW	UL1007 18 AWG
P1 PDS. 6	+12V	YELLOW	UL1007 18 AWG
P1 PDS. 7	+12V	YELLOW	UL1007 18 AWG
P1 PDS. 8	+12V	YELLOW	UL1007 18 AWG

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
P2 PDS. 1	PS-ON	GREEN	UL1061 28 AWG
P2 PDS. 2	GND	BLACK	UL1007 18 AWG
P2 PDS. 3	GND	BLACK	UL1007 18 AWG
P2 PDS. 4	GND	BLACK	UL1007 18 AWG
P2 PDS. 5	+5V	RED	UL1007 16 AWG
P2 PDS. 6	+5VSB	PURPLE	UL1007 18 AWG
P2 PDS. 7	PW-OK(PG)	GRAY	UL1061 28 AWG
P2 PDS. 8	+3.3V	DRANGE	UL1007 16 AWG
P2 PDS. 9	+3.3V	DRANGE	UL1007 16 AWG
P2 PDS. 10			

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
P3 PDS. 1	+12V	YELLOW	UL1007 18 AWG
P3 PDS. 2	GND	BLACK	UL1007 18 AWG
P3 PDS. 3	+5V	RED	UL1007 18 AWG
P3 PDS. 4	GND	BLACK	UL1007 18 AWG
P3 PDS. 5	+3.3V	DRANGE	UL1007 18 AWG

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
P4 PDS. 1	+5V	RED	UL1007 22 AWG
P4 PDS. 2	GND	BLACK	UL1007 22 AWG
P4 PDS. 3	GND	BLACK	UL1007 22 AWG
P4 PDS. 4	+12V	YELLOW	UL1007 22 AWG

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
P5 PDS. 1	+5V	RED	UL1007 24 AWG
P5 PDS. 2	GND	BLACK	UL1007 24 AWG
P5 PDS. 3	GND	BLACK	UL1007 24 AWG
P5 PDS. 4	+12V	YELLOW	UL1007 24 AWG

CONN. NO.	RATING	WIRE COLOR	WIRE TYPE
SB PDS. 1	I2C_SCL	GREEN	UL1061 28 AWG
SB PDS. 2	I2C_SDA	YELLOW	UL1061 28 AWG
SB PDS. 3	PS_ALERT	WHITE	UL1061 28 AWG
SB PDS. 4	GND	BLACK	UL1061 28 AWG
SB PDS. 5	3.3VRS	DRANGE	UL1007 24 AWG

TOL.±	✓	✓				
RANGE	NCT	TOL	OTH	PAK	WIR	JIG
0 ~ <6	0.20	0.20	0.20	1.00	2.00	0.10
6 ~ <30	0.25	0.20	0.35	1.00	3.00	0.10
30 ~ <120	0.30	0.25	0.45	2.50	5.00	0.15
120 ~ <300	0.45	0.30	0.60	3.50	8.00	0.20
300 ~ <600	0.60	0.50	0.80	4.50	10.00	0.30
600 ~ <1200	1.00	0.80	1.00	5.50	15.00	0.40
ANG. TOL.		1°			0.5°	

REV.	DESCRIPTION	DATE
02	ADD 5P CABLE WIRE	10/18/13'
01	ORIGINAL RELEASE	07/01/13'

3Y POWER TECHNOLOGY 善元科技股份有限公司
3Y POWER TECHNOLOGY(TAIWAN), INC.

TITLE/PART NAME: OUTLINE DRAWING APPROVED *Andy Liu*

PART NO.: 9YR3000802 (OAD13041377) CHECKED *SHU*

MODEL: YH5301-1FA01R DESIGNED *Ryan Wu*

SCALE: 1:1 UNIT: mm THIRD ANGLE PROJECTION SHEET 1 OF 1

DRAFT