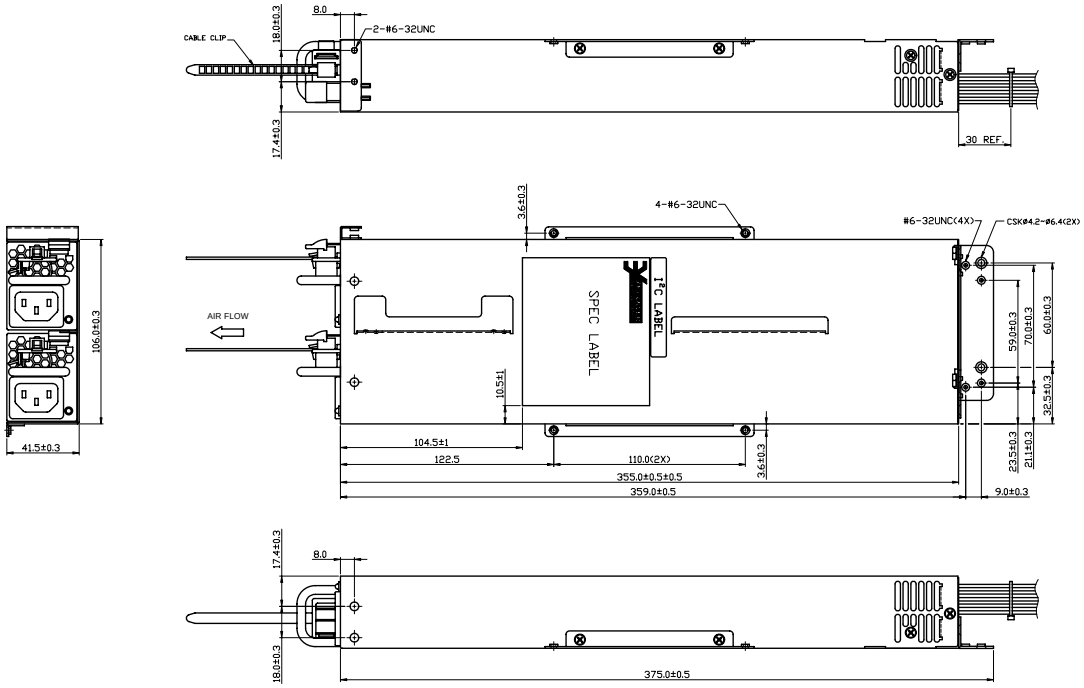

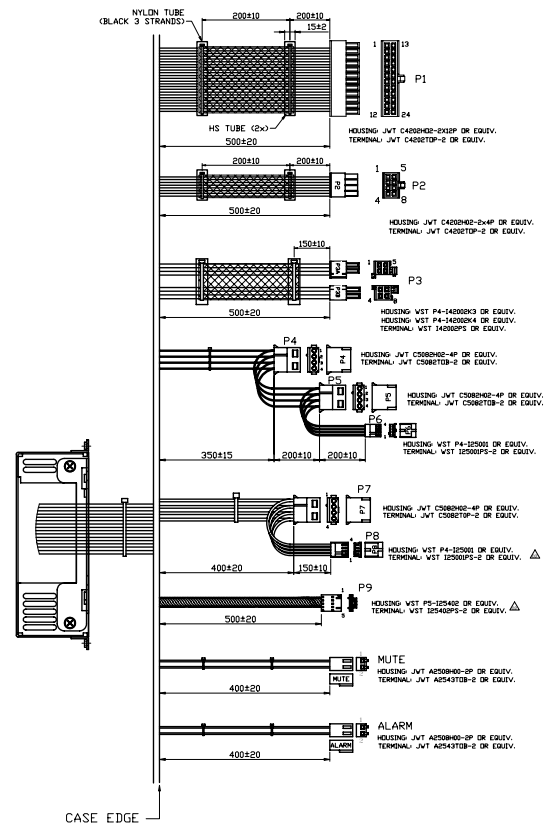

NOTES:
1. OUTLINE DIMENSION : 355L*106W*41.5H
2. IF CASE BY NCT PROCESS, THE TOLERENCE OF ALL DIMENSIONS MUST BE ENLARGED ±0.2 mm FOR CPK INSPECTION.
3. OUTPUT CONNECTOR & PIN ASSIGNMENT:

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P1	1	+3.3V	ORANGE	UL1007 16AWG
		+3.3VS	ORANGE	UL1007 24AWG
	2	+3.3V	ORANGE	UL1007 16AWG
	3	GND	BLACK	UL1007 18AWG
	4	+5V	RED	UL1007 18AWG
		+5VS	RED	UL1007 24AWG
	5	GND	BLACK	UL1007 18AWG
		RS-GND	BLACK	UL1007 24AWG
	6	+5V	RED	UL1007 18AWG
	7	GND	BLACK	UL1007 18AWG
	8	PwOK	GRAY	UL1007 24AWG
	9	+5VSB	PURPLE	UL1007 16AWG
	10	+12V	YELLOW	UL1007 18AWG
		+12VS	YELLOW	UL1007 24AWG
	11	+12V	YELLOW	UL1007 18AWG
	12	+3.3V	ORANGE	UL1007 16AWG
	13	+3.3V	ORANGE	UL1007 16AWG
	14	-12V	BLUE	UL1007 18AWG
	15	GND	BLACK	UL1007 18AWG
	16	PS-ON	GREEN	UL1007 24AWG
	17	GND	BLACK	UL1007 18AWG
	18	GND	BLACK	UL1007 18AWG
	19	GND	BLACK	UL1007 18AWG
	20	——	——	——
	21	+5V	RED	UL1007 18AWG
	22	+5V	RED	UL1007 18AWG
	23	+5V	RED	UL1007 18AWG
	24	GND	BLACK	UL1007 18AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P2	1,2,3,4	GND	BLACK	UL1007 18AWG
	5,6,7,8	+12V	YELLOW	UL1007 18AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P3	1,2,3,4	GND	BLACK	UL1007 18AWG
	5,6,7,8	+12V	YELLOW	UL1007 18AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P4 P5	1	+12V	YELLOW	UL1007 18AWG
	2	GND	BLACK	UL1007 18AWG
	3	GND	BLACK	UL1007 18AWG
	4	+5V	RED	UL1007 18AWG
P6	PIN NUM	PIN CON	COLOR	WIRE SPEC.
	1	+5V	RED	UL1007 20AWG
	2	GND	BLACK	UL1007 20AWG
	3	GND	BLACK	UL1007 20AWG
	4	+12V	YELLOW	UL1007 20AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P7	1	+12V	YELLOW	UL1007 18AWG
	2	GND	BLACK	UL1007 18AWG
	3	GND	BLACK	UL1007 18AWG
	4	+5V	RED	UL1007 18AWG
P8	PIN NUM	PIN CON	COLOR	WIRE SPEC.
	1	+5V	RED	UL1007 20AWG
	2	GND	BLACK	UL1007 20AWG
	3	GND	BLACK	UL1007 20AWG
	4	+12V	YELLOW	UL1007 20AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
P9	1	I²CSCL	GRN/WHT	UL1007 24AWG
	2	I²CSDA	YEL/WHT	UL1007 24AWG
	3	PS_Alert	WHITE	UL1007 24AWG
	4	GND	BLACK	UL1007 24AWG
	5	——	——	——

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
MUTE	1	MUTE (-)	BLACK	UL1007 24AWG
	2	MUTE (+)	YELLOW	UL1007 24AWG

	PIN NUM	PIN CON	COLOR	WIRE SPEC.
ALARM	1	TTL SIGNAL (-)	BLACK	UL1007 24AWG
	2	TTL SIGNAL (+)	RED	UL1007 24AWG

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	CHANGED THE DEFINITION FOR CONNECTION	10/19/12'
01	ORIGINAL RELEASE	07/04/12'

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

TITLE/PART NAME:	OUTLINE	APPROVED	Andy Lu
PART NO.:	9YR4501200 (OAD12041568)	CHECKED	Jingpeng Zhu
MODEL:	YH5451-1GAR	DESIGNED	Weimin
SCALE: 1:1	UNIT: mm	THIRD ANGLE PROJECTION	SHEET 1 OF 1