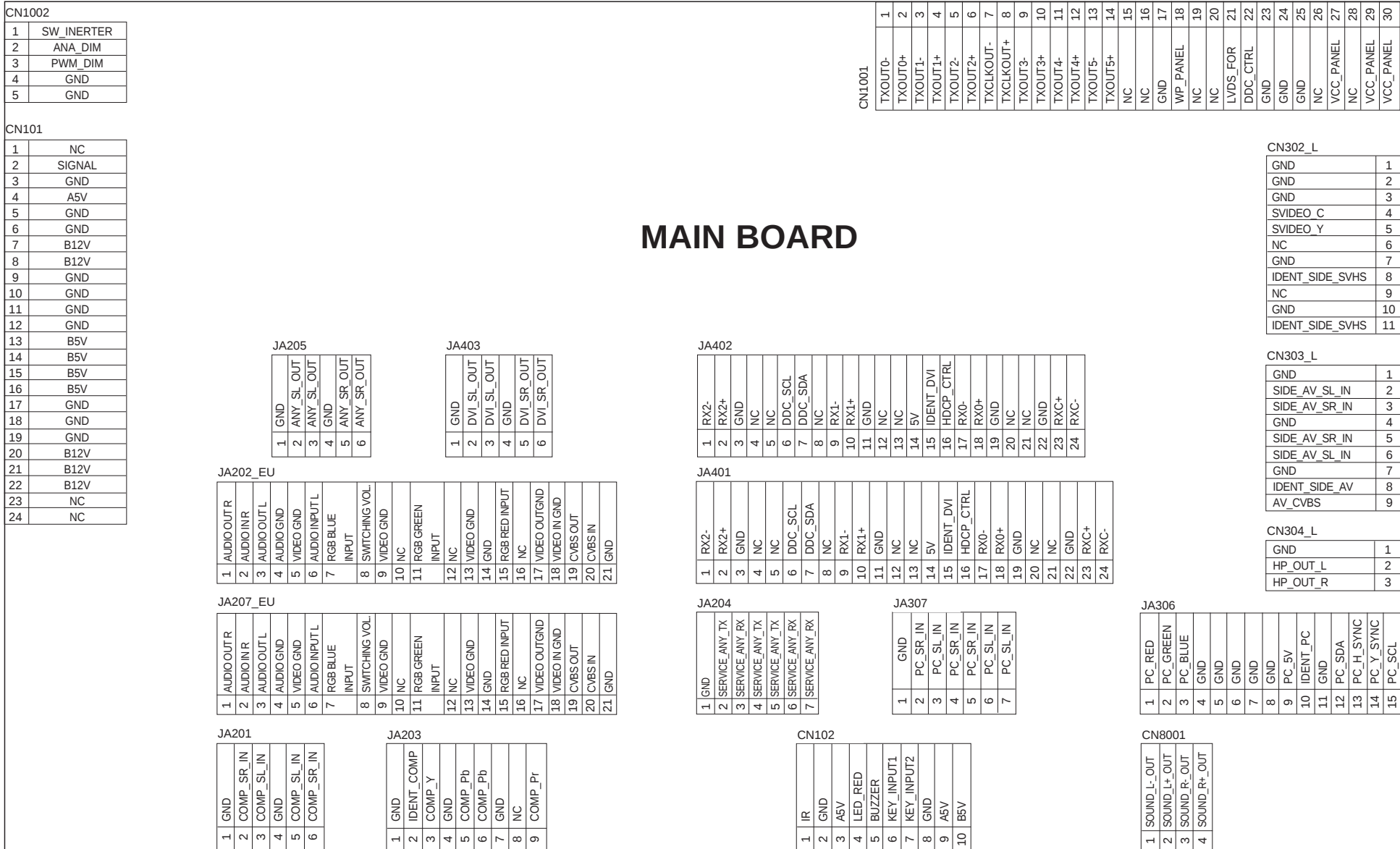
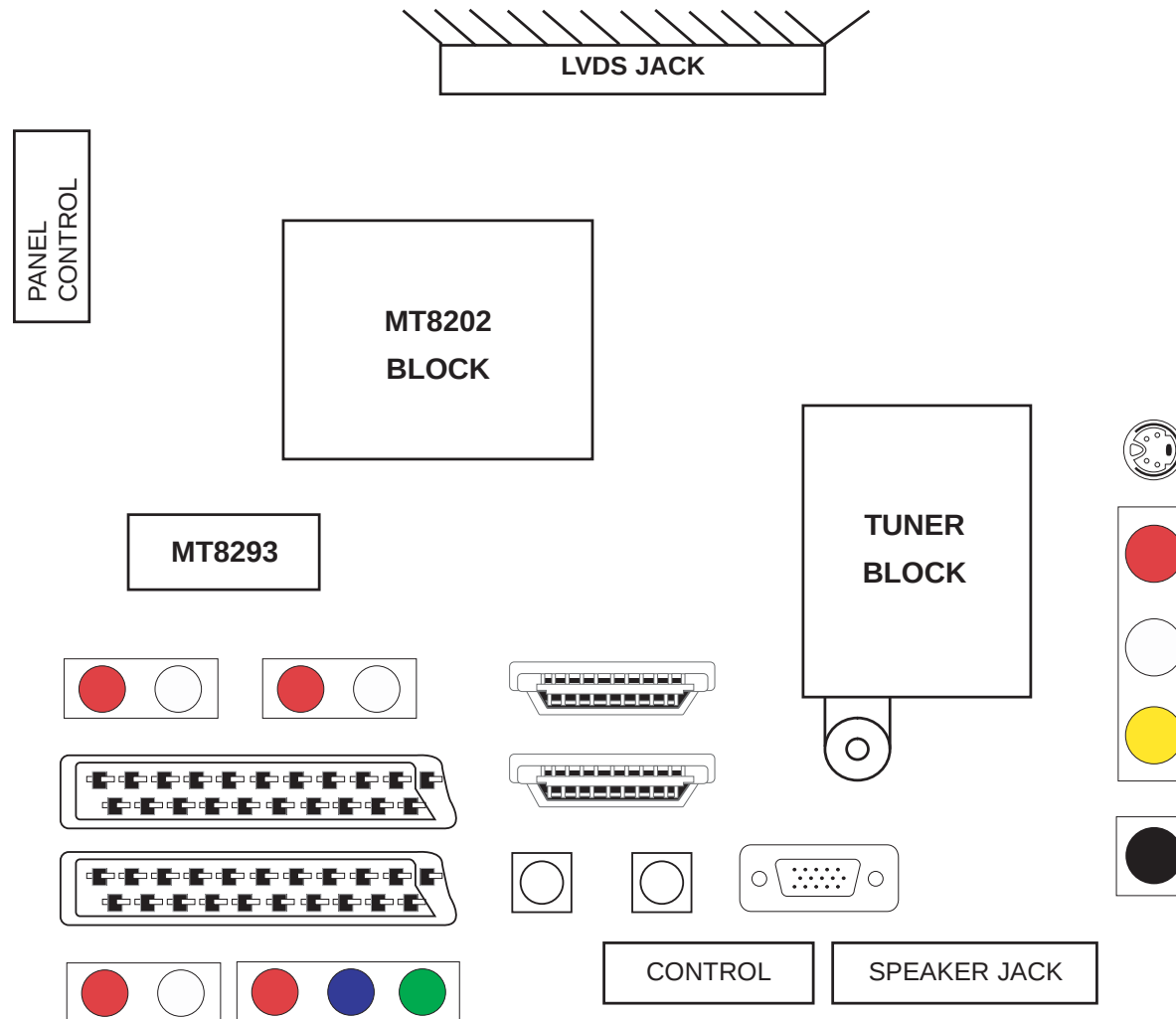


8 Wiring Diagram

8-1 Wiring Diagram



8-2 Main Board Layout



8-3 PIN characteristic

CN101- Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12
NAME	NC	SIGNAL	GND	A5V	GND	GND	B12V	B12V	GND	GND	GND	GND
PIN	13	14	15	16	17	18	19	20	21	22	23	24
NAME	B5V	B5V	B5V	B5V	GND	GND	GND	B12V	B12V	B12V	NC	NC

CN8001-SPEAKER CONNECTOR

PIN	1	2	3	4
NAME	SOUND_L-_OUT	SOUND_L+_OUT	SOUND_R-_OUT	SOUND_R+_OUT

CN102-Front control

PIN	1	2	3	4	5
NAME	IR	GND	A5V	LED_RED	BUZZER
PIN	6	7	8	9	10
NAME	KEY_INPUT1	KEY_INPUT2	GND	A5V	B5V

Function Define

- A5V Front control board power supply
- KEY INPUT1,2 Key control, from the menu, change up/down Etc.
- IR Remote control signal
- LED_RED Control the timing and standby LED color

CN501-panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	GND

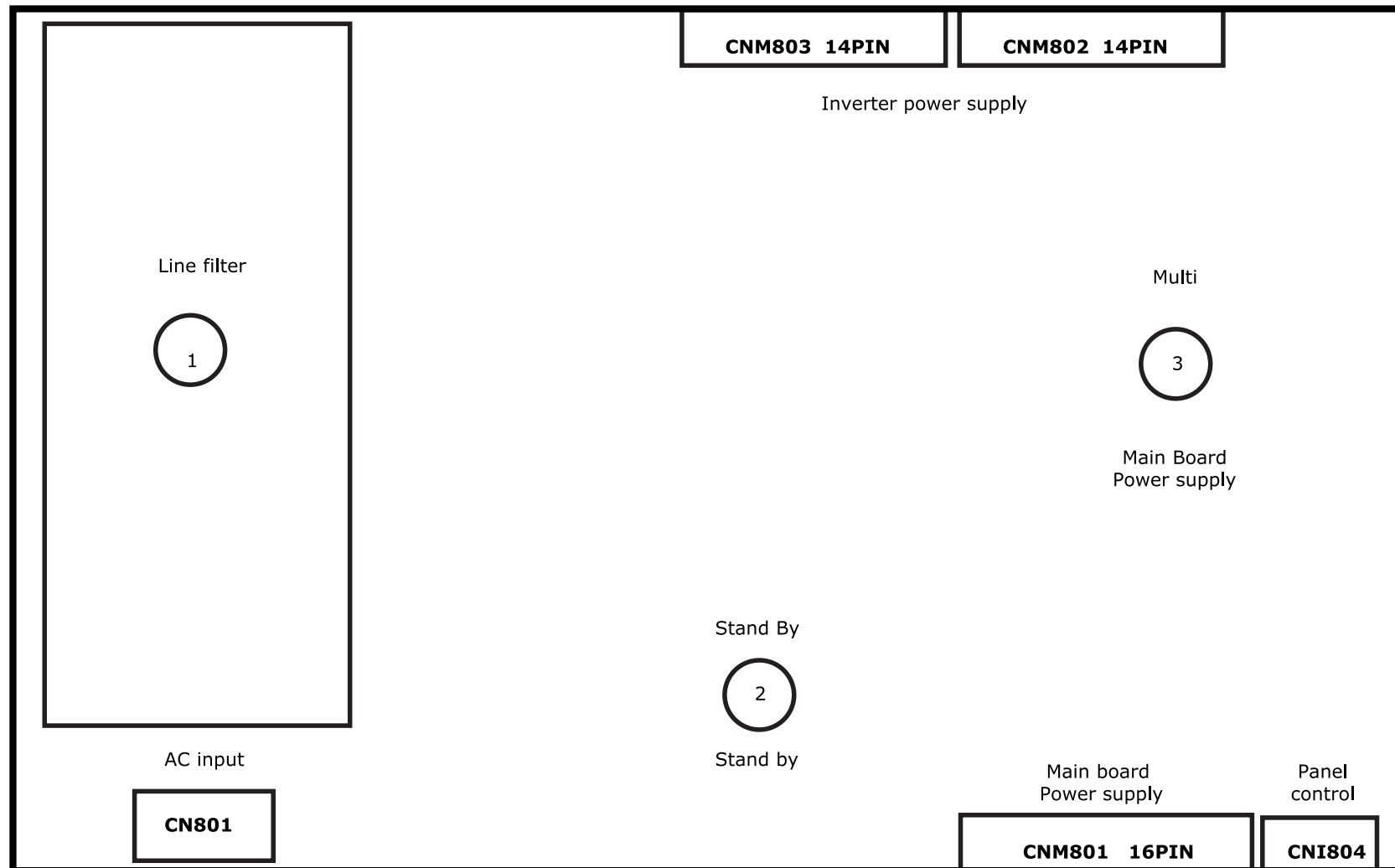
Function Define

- SW_inverter panel inverter control, about 5V
- Ana_dimming panel dimming control
- PWM_dimming panel PWM control, duty 40% ~ 90%

CN1001-LVDS Signal

PIN	1	2	3	4	5	6
NAME	TXOUT0-	TXOUT0+	TXOUT1-	TXOUT1+	TXOUT2-	TXOUT2+
PIN	7	8	9	10	11	12
NAME	TXCLKOUT-	TXCLKOUT+	TXOUT3-	TXOUT3+	TXOUT4-	TXOUT4+
PIN	13	14	15	16	17	18
NAME	TXOUT5-	TXOUT5+	NC	NC	GND	WP_PANEL
PIN	19	20	21	22	23	24
NAME	NC	NC	LVDS_FORMAL	DDC_CTRL	GND	GND
PIN	25	26	27	28	29	30
NAME	GND	NC	VCC_PANEL	NC	VCC_PANEL	VCC_PANEL

8-4 Power Board Layout



CN801 - AC Input

PIN	I	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functioning Define

- Refer to : AC Input

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Functioning Define

- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CNM804 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Functioning Define

- Refer to : CN815 function define

CN802 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Functioning Define

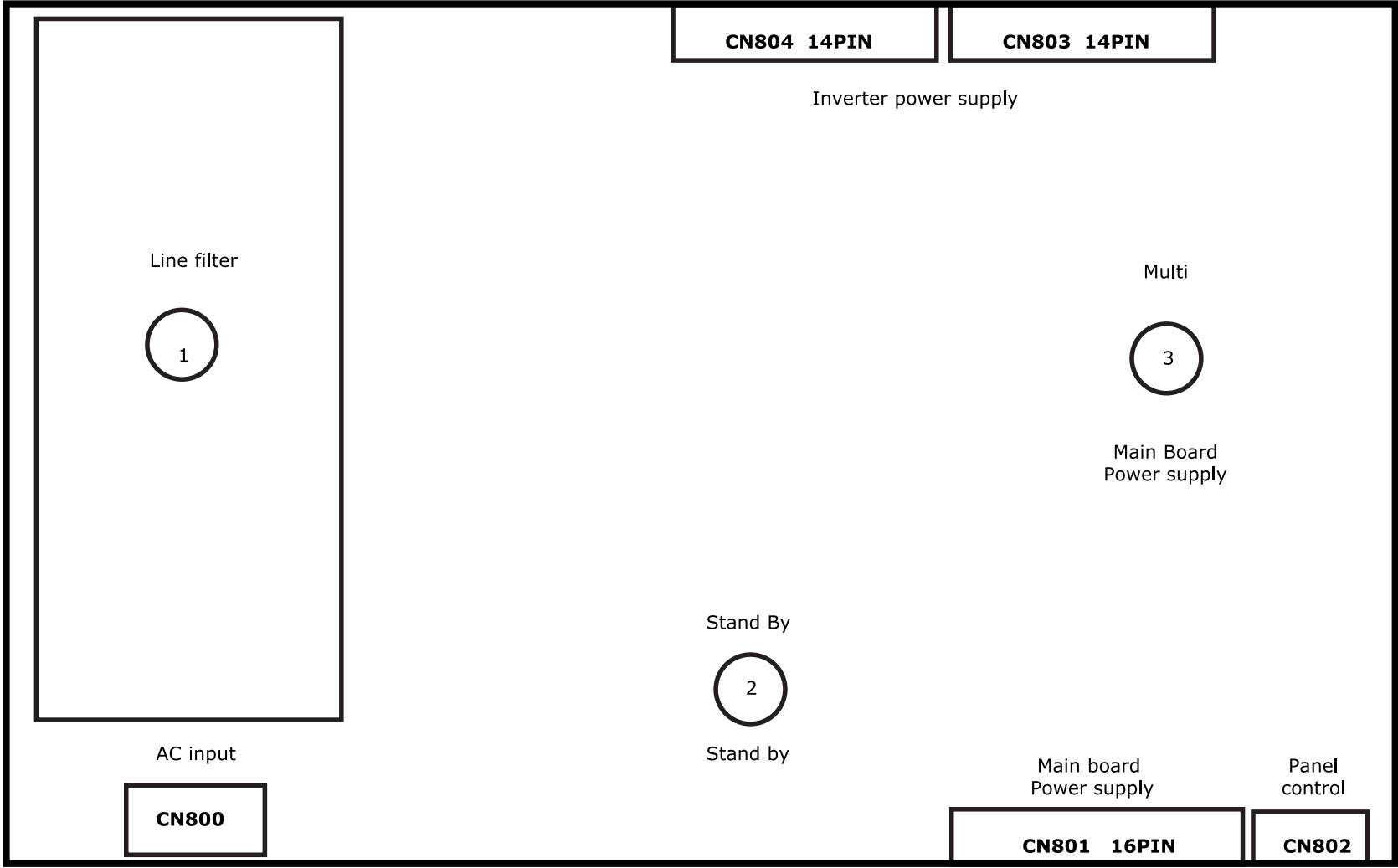
- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	A_D	B/L	P_D	GND

Functioning Define

- AUO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING



CN801 - AC Input

PIN	1	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functioning Define

- Refer to : AC Input

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Functioning Define

- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CNM804 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Functioning Define

- Refer to : CN815 function define

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Functioning Define

- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

CN804 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	B/D	P_L	GND	B/L

Functioning Define

- CMO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- P_D PWM_DIMMING

Memo