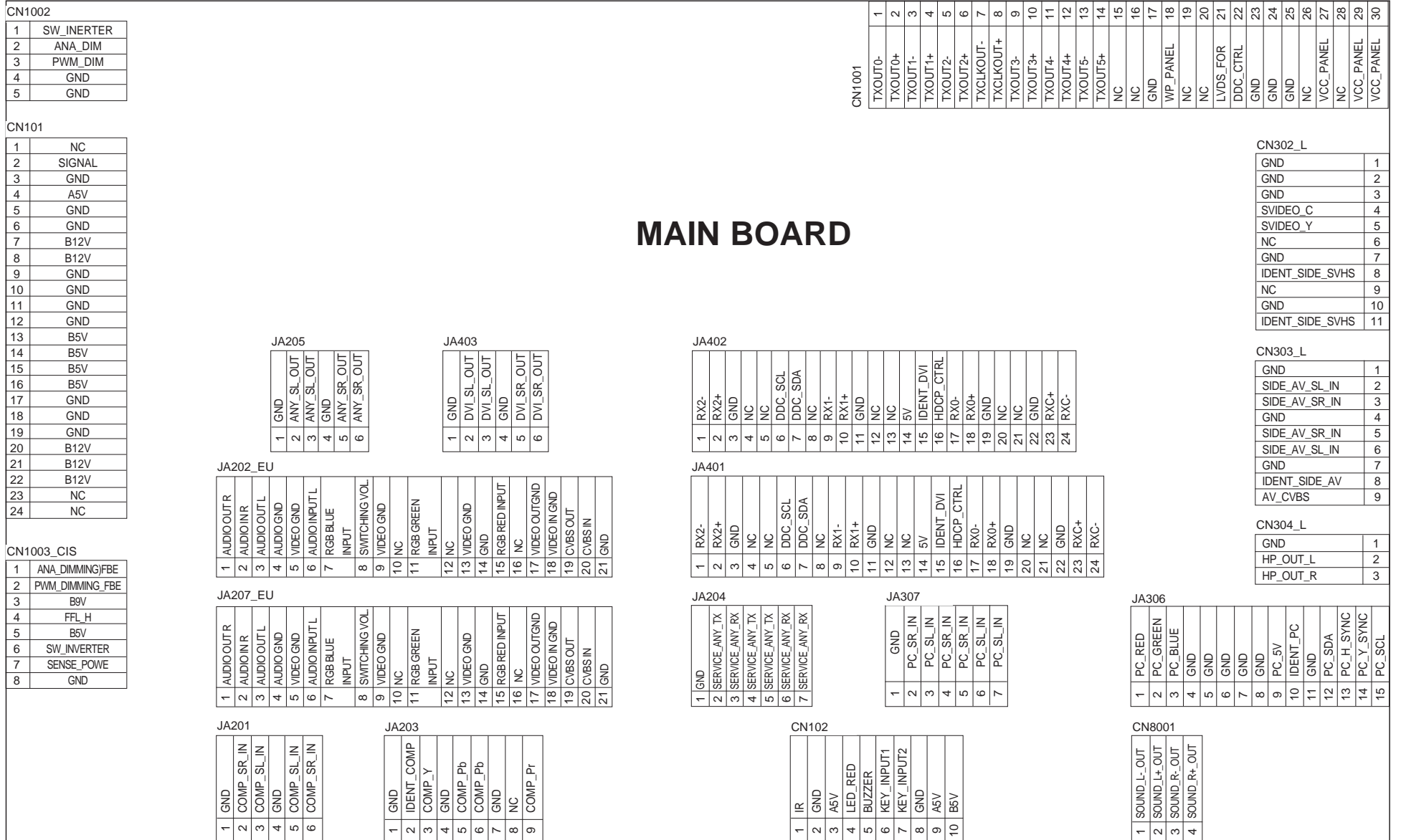
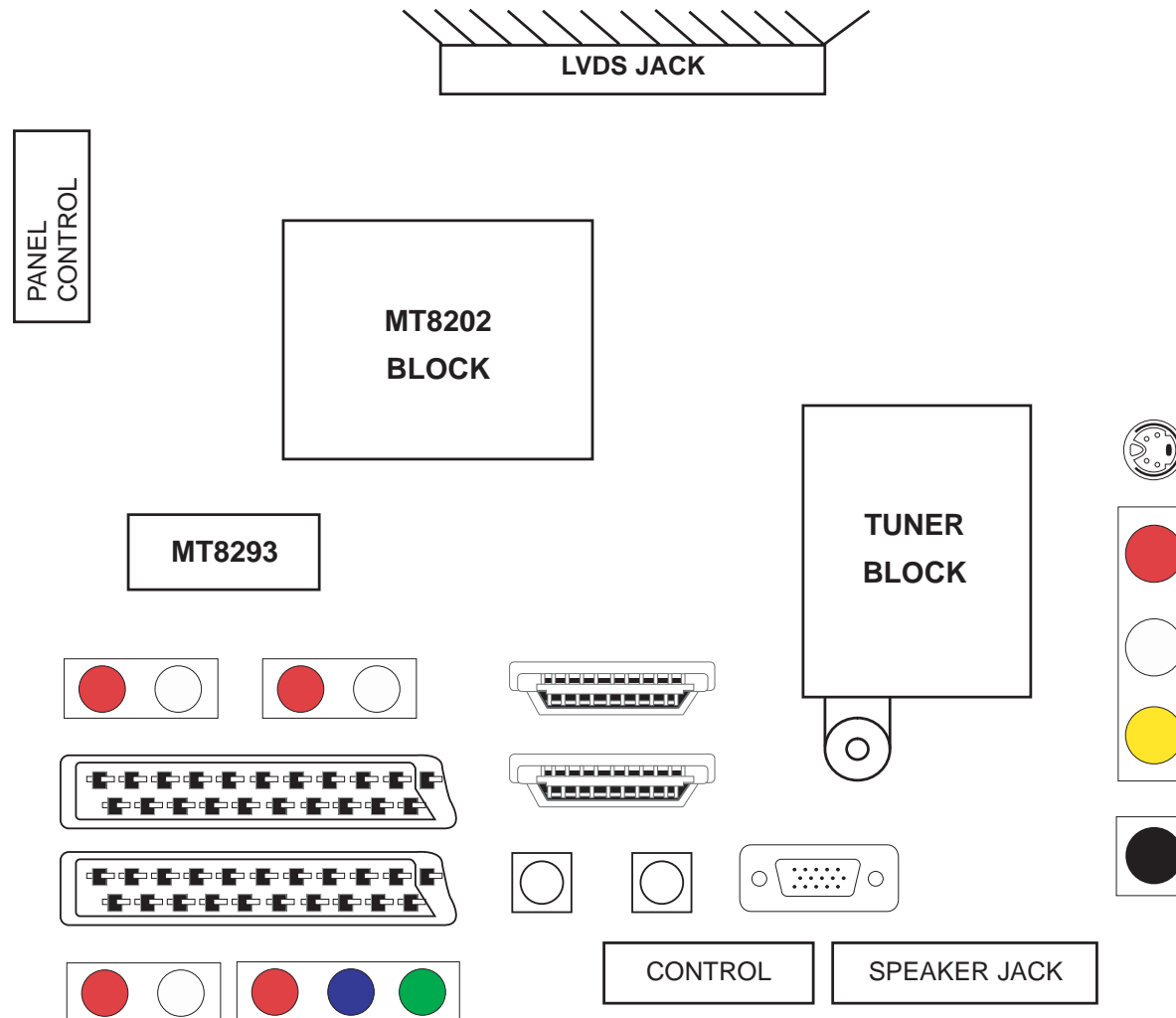


## 8 Wiring Diagram

## 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

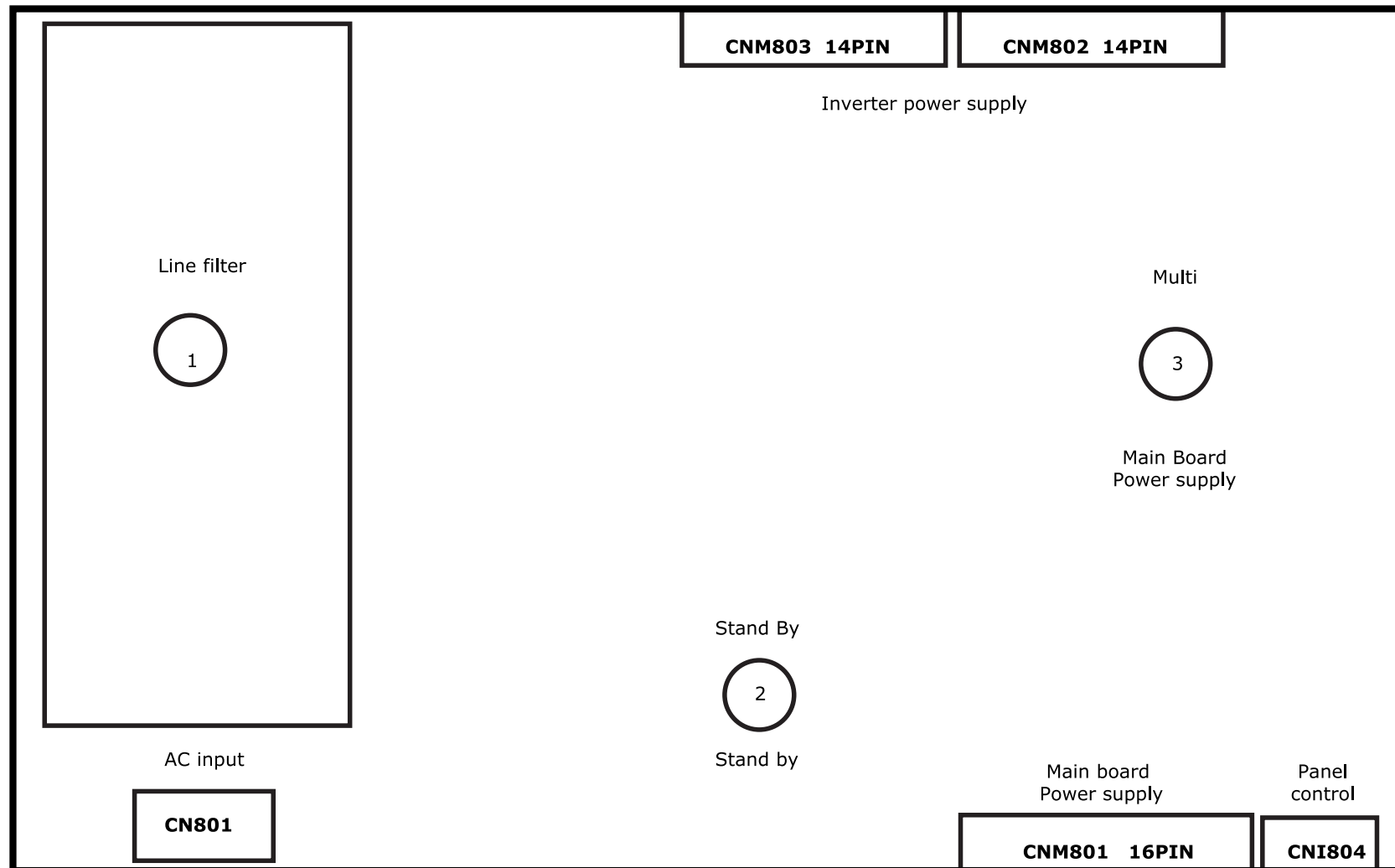
## Function Define

- 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









## Memo