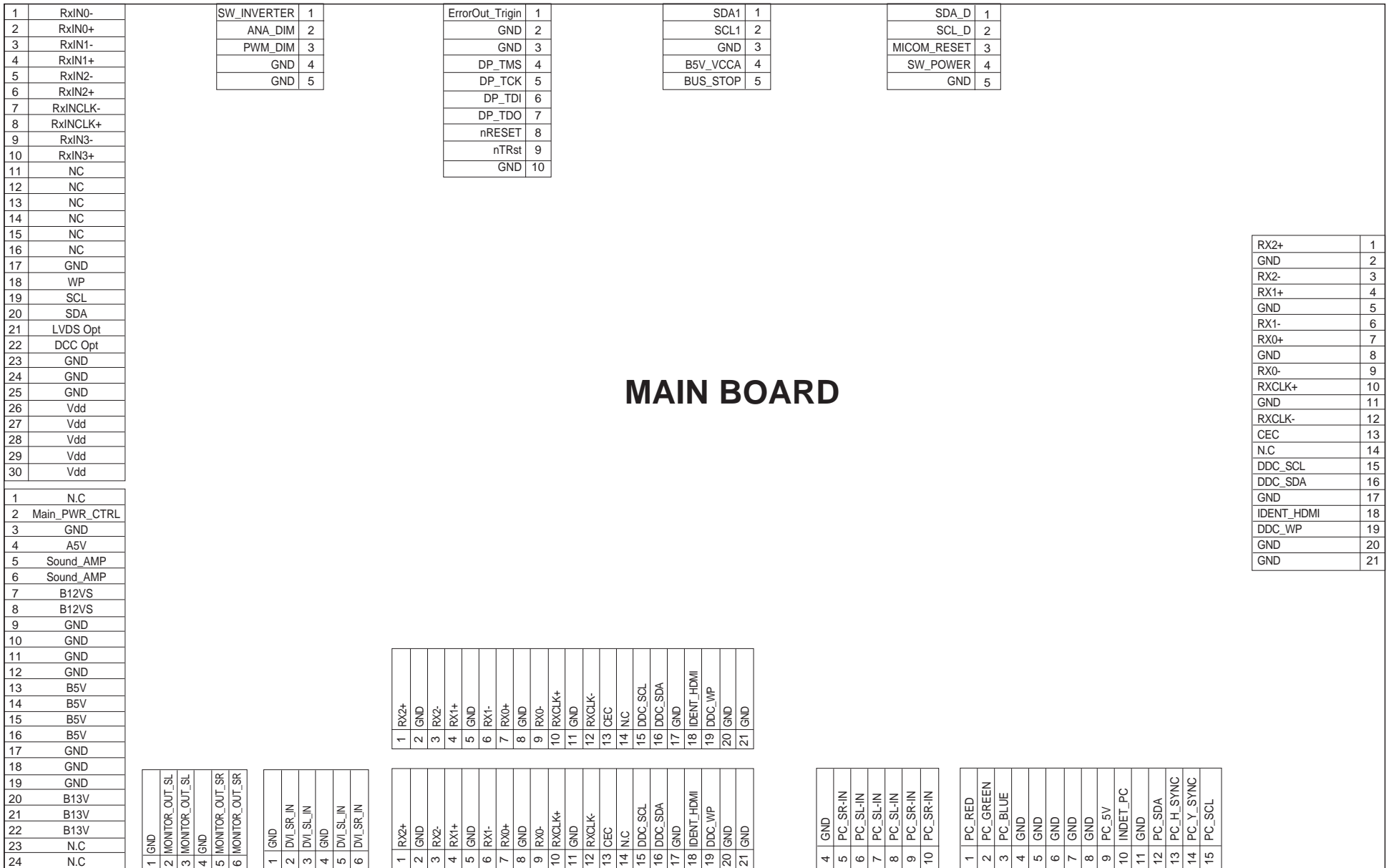
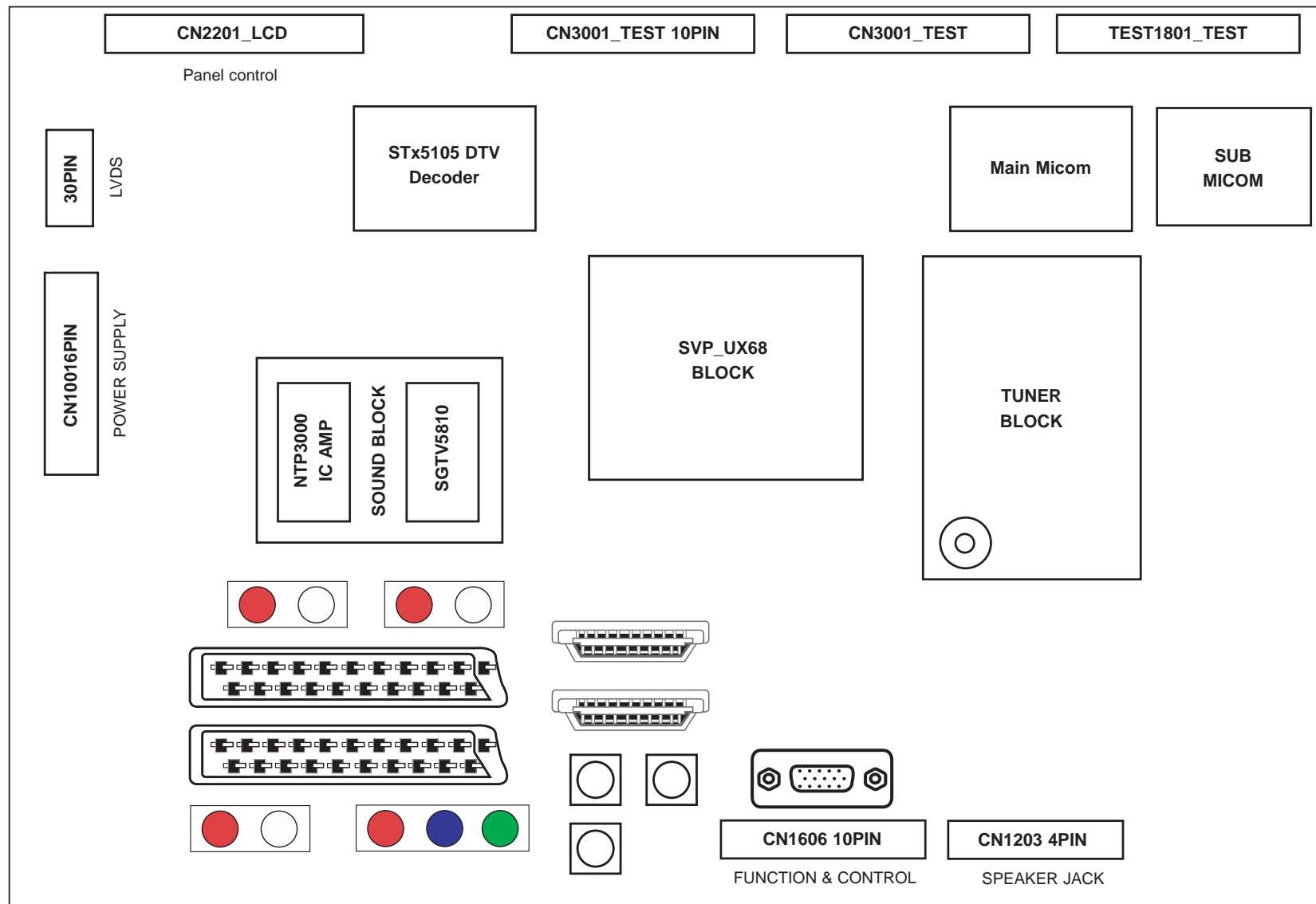


## 8 Wiring Diagram

### 8-1 LE23R86BD/LE26R86BD/LE32R86BD/LE37R86BD/LE40R86BD Wiring Diagram



## 8-2 Main Board Layout



## 8-3 PIN characteristic

**CN1101 - Main Board power supply**

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
NAME	N.C	Main_PWR_CTRL	GND	A5V	Sound_AMP	Sound_AMP	B12VS	B12VS	GND	GND	GND	GND	B5V	B5V	B5V	B5V	GND	GND	GND	B13V	B13V	B13V	N.C	N.C

## Function Define

- 13V      B5V\_VCCA, B5V\_VCCB, IC611 POWER SUPPERLY
- 5V        B5V, B3.3V, B2.5V\_VDD, B3.3VD, VCC50
- 12VS     B12VS

**CN1203 - SPEAKER CONNECTOR**

PIN	1	2	3	4
NAME	R+_OUT	R-_OUT	L+_OUT	L-_OUT

**CN1606 - Front control**

PIN	1	2	3	4	5	6	7	8	9	10
NAME	IR	GND	A5V_1	LED_STB	BUZZER	KEY_INPUT1	KEY_INPUT2	GND	B5V	LED_CTRL

## Function Define

- A5V            Front control board poewr supply
- KEY INPUT1,2   Key control, from the memu, change up/down Etc.
- IR            Remote control signal
- LED\_CTRL      Control the timing and stand by LED color

**CN2201\_LCD - Panel control**

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

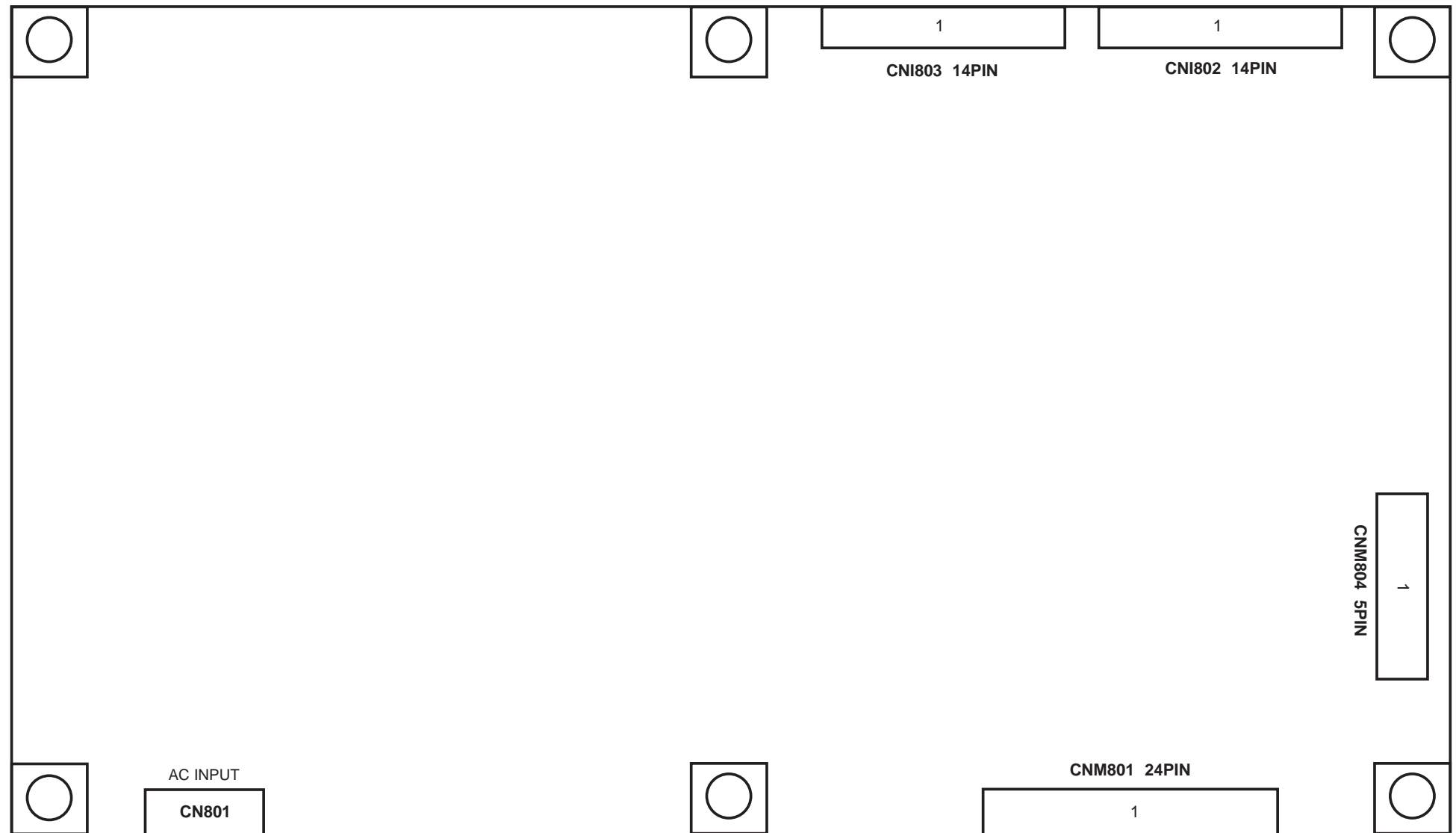
## Function Define

- SW\_inverter            panel inverter control, about 5V
- Ana\_dimming           panel dimming control
- PWM\_dimming          panel PWM control, duty 40% ~ 90%
- SENSOR POWER        brightness sensor power supply

**CN2202-HD LVDS SIGNAL**

PIN	NAME	PIN	NAME
1	RxIN0-	16	NC
2	RxIN0+	17	GND
3	RxIN1-	18	WP
4	RxIN1+	19	SCL
5	RxIN2-	20	SDA
6	RxIN2+	21	LVDS Opt
7	RxINCLK-	22	DCC Opt
8	RxINCLK+	23	GND
9	RxIN3-	24	GND
10	RxIN3+	25	GND
11	NC	26	Vdd
12	NC	27	Vdd
13	NC	28	Vdd
14	NC	29	Vdd
15	NC	30	Vdd

8-4 Connector Location and PCB outline figure



¡Ø NOTICE

- Component Location: Within 5mm from guide line
- Pattern : drawn within 2mm from guide line

# 8-5 Output Connector

## 8-5-1 AC\_INPUT connector (CN801)

CONNECTOR-HEADER, 2P, 7.92mm, 1R, BOX, STRAIGHT TYPE  
INSULATOR : NYLON66(UL 94V-0) G10%  
VENDOR : MOLEX KOREA, 35328-0210

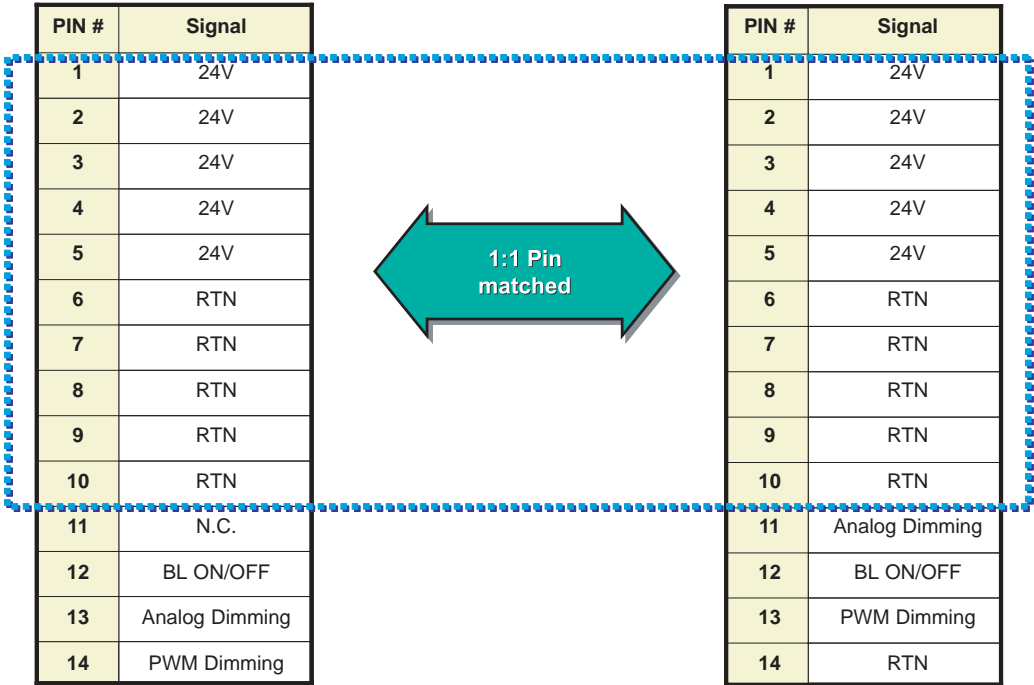
PIN	Signal
1	AC_L
2	AC_N

## 8-5-2 Connector - S (CNM802)

CONNECTOR-HEADER(STRAIGHT) 14P, 1R,  
2.0MM PITCH STRAIGHT  
INSULATOR : NYLON66(UL 94V-0) G10%  
CONTACT : BRASS(TIN-PLATED)  
VENDOR : YEONHO ELECTRONICS, SMW200-14P

## 8-5-3 Connector - A (CNM803)

CONNECTOR-HEADER(STRAIGHT) 14P, 1R,  
2.0MM PITCH STRAIGHT  
INSULATOR : NYLON66(UL 94V-0) G10%  
CONTACT : BRASS(TIN-PLATED)  
VENDOR : YEONHO ELECTRONICS, SMW200-14P



## 8-5-4 Image\_Analog (CNM801)

CONNECTOR-HEADER(STRAIGHT) 24P, 1R,  
 2.0MM PITCH STRAIGHT  
 INSULATOR : NYLON66(UL 94V-0) G10%  
 CONTACT : BRASS(TIN-PLATED)  
 VENDOR : YEONHO ELECTRONICS, SMW200-05P

PIN	Description	PIN	Description
1	Power-On/Off	2	N/C(Auto_V)
3	STBY(5.2V)	4	GND_STBY
5	GND_12V SOUND	6	GND_12V SOUND
7	12V SOUND	8	12V SOUND
9	GND_5V	10	GND_5V
11	GND_5V	12	GND_5V
13	5.3V	14	5.3V
15	5.3V	16	5.3V
17	GND_13V	18	GND_13V
19	13V	20	GND_13V
21	13V	22	13V
23	N.C(FAN_ON)	24	N.C(FAN_DET)

## 8-5-5 Image\_Analog (CNM804)

CONNECTOR-HEADER(STRAIGHT) 05P, 1R,  
 2.0MM PITCH STRAIGHT  
 INSULATOR : NYLON66(UL 94V-0) G10%  
 CONTACT : BRASS(TIN-PLATED)  
 VENDOR : YEONHO ELECTRONICS, SMW200-05P

PIN	Description
1	BL ON/OFF
2	Analog Dimming
3	PWM Dimming
4	RTN
5	24V Detection(5V)