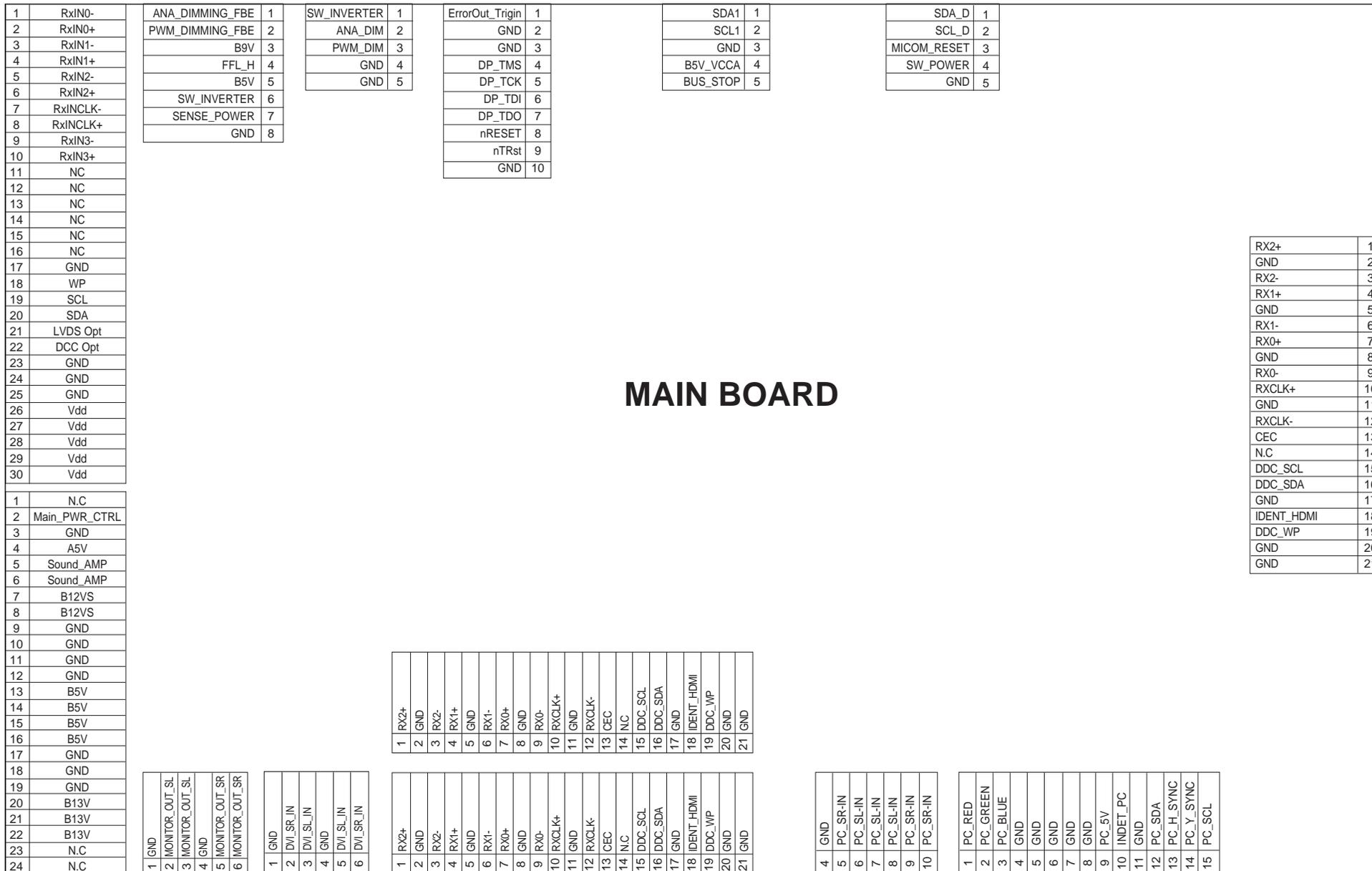
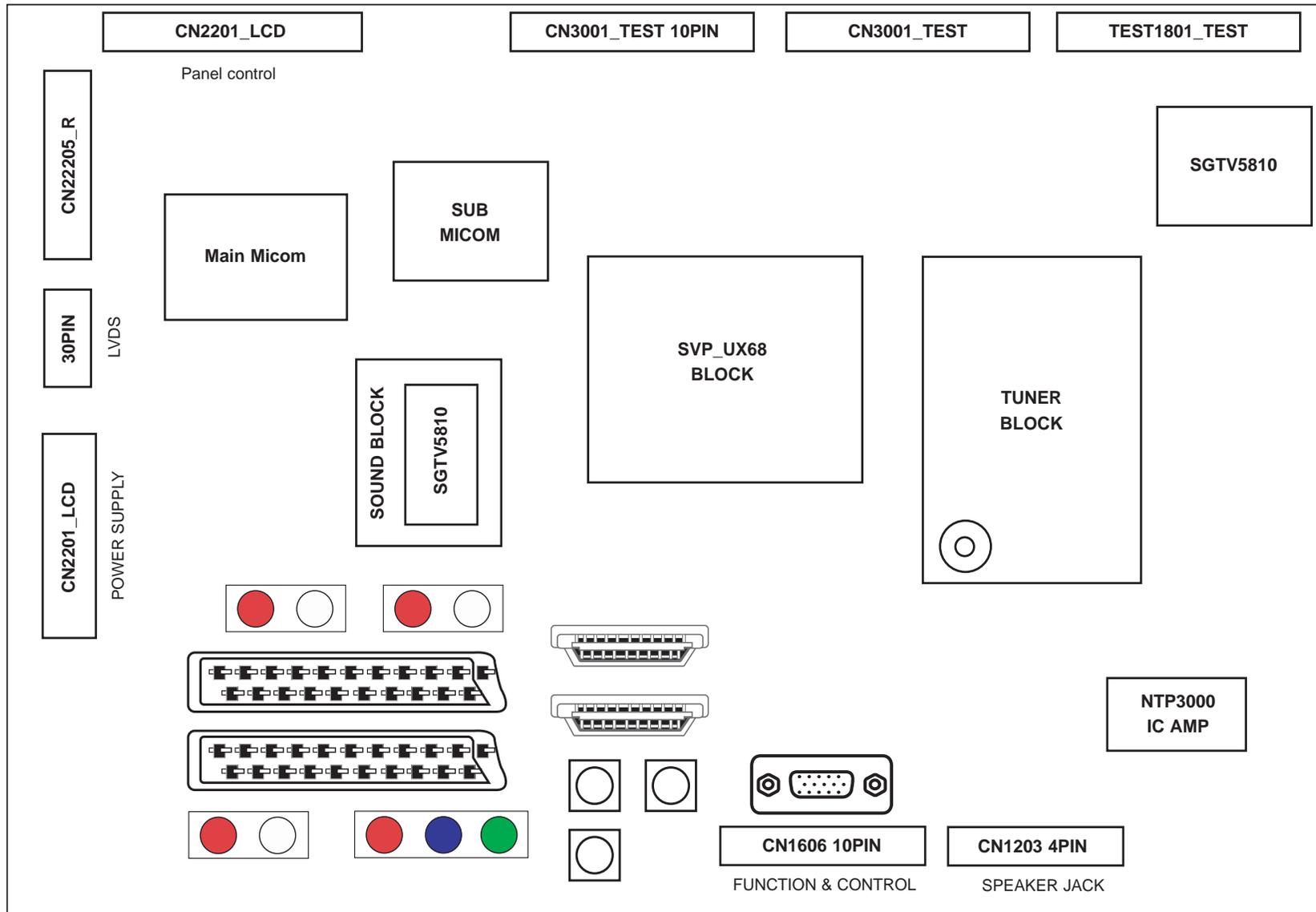


8 Wiring Diagram

8-1 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

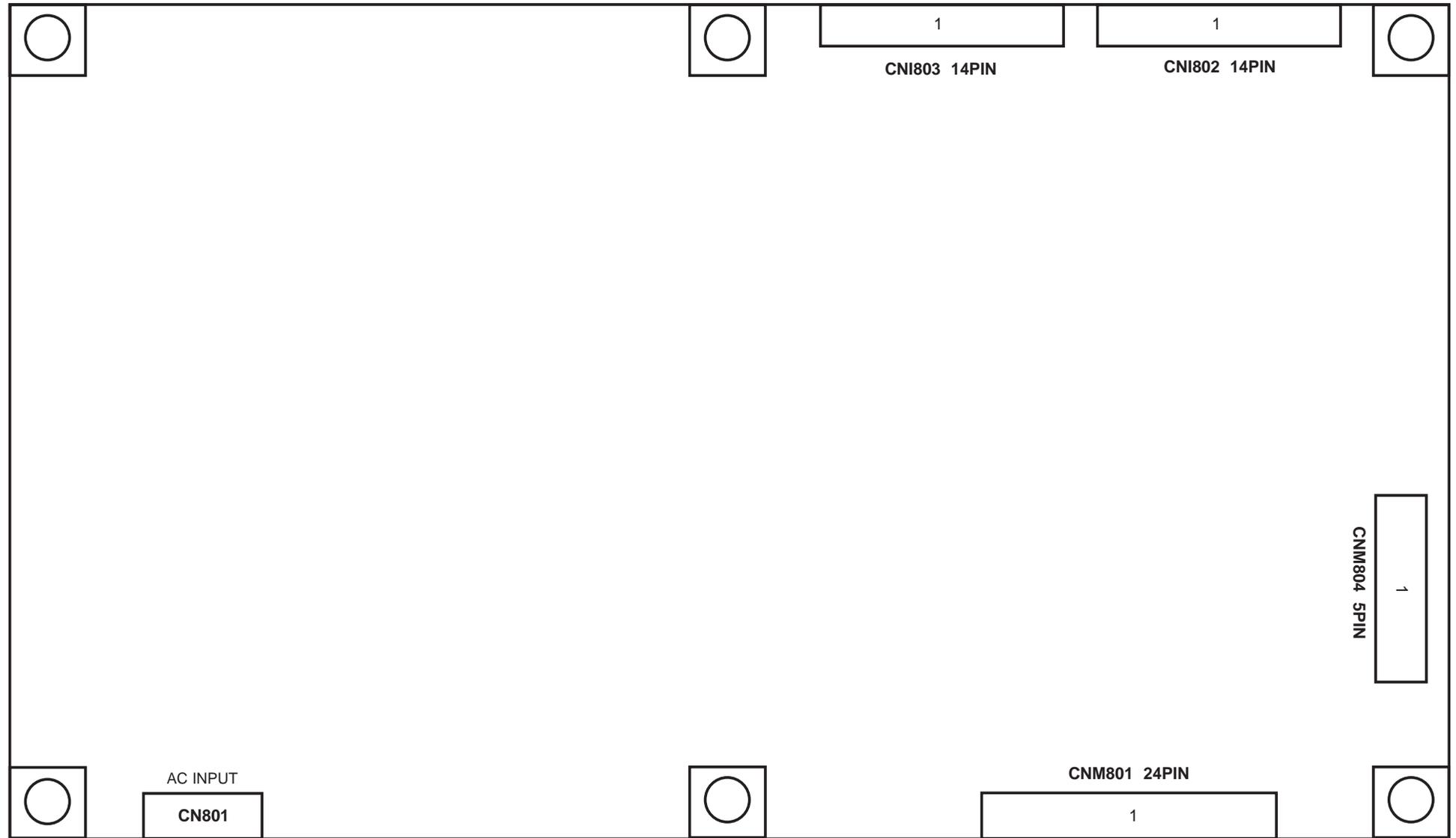
CN2205_R DIMMING Control

PIN	1	2	3	4	5	6	7	8
NAME	ANA_DIMMING_FBE	PWM_DIMMING_FBE	B9V	FFL_H	B5V	SW_INVERTER	SENSE_POWER	GND

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



⚠ 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

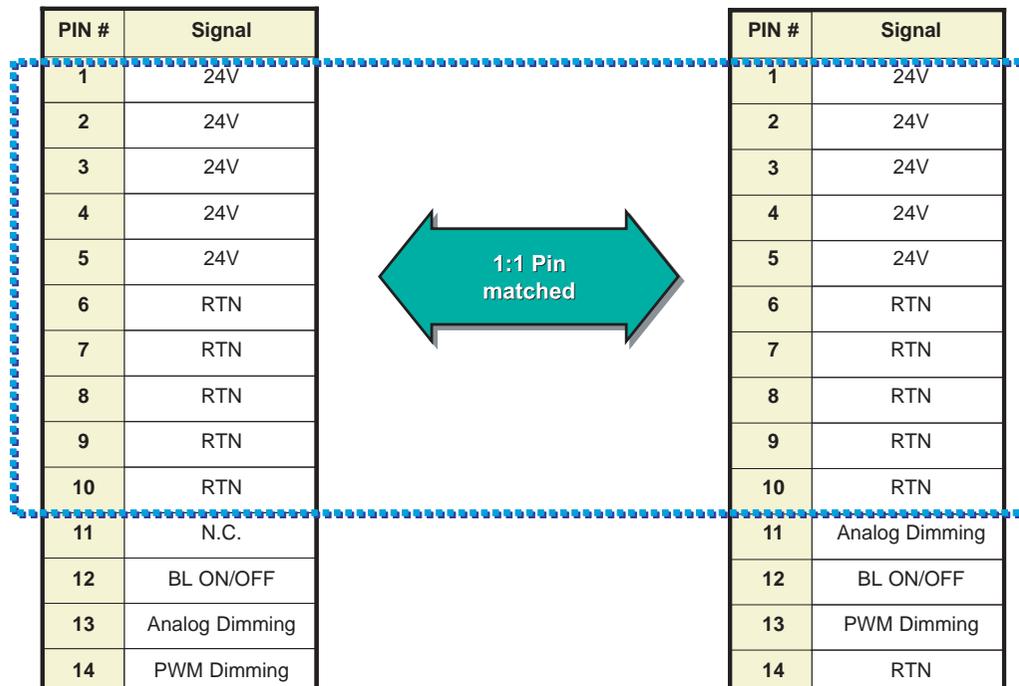
PIN	Signal
1	AC_L
2	AC_N

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)