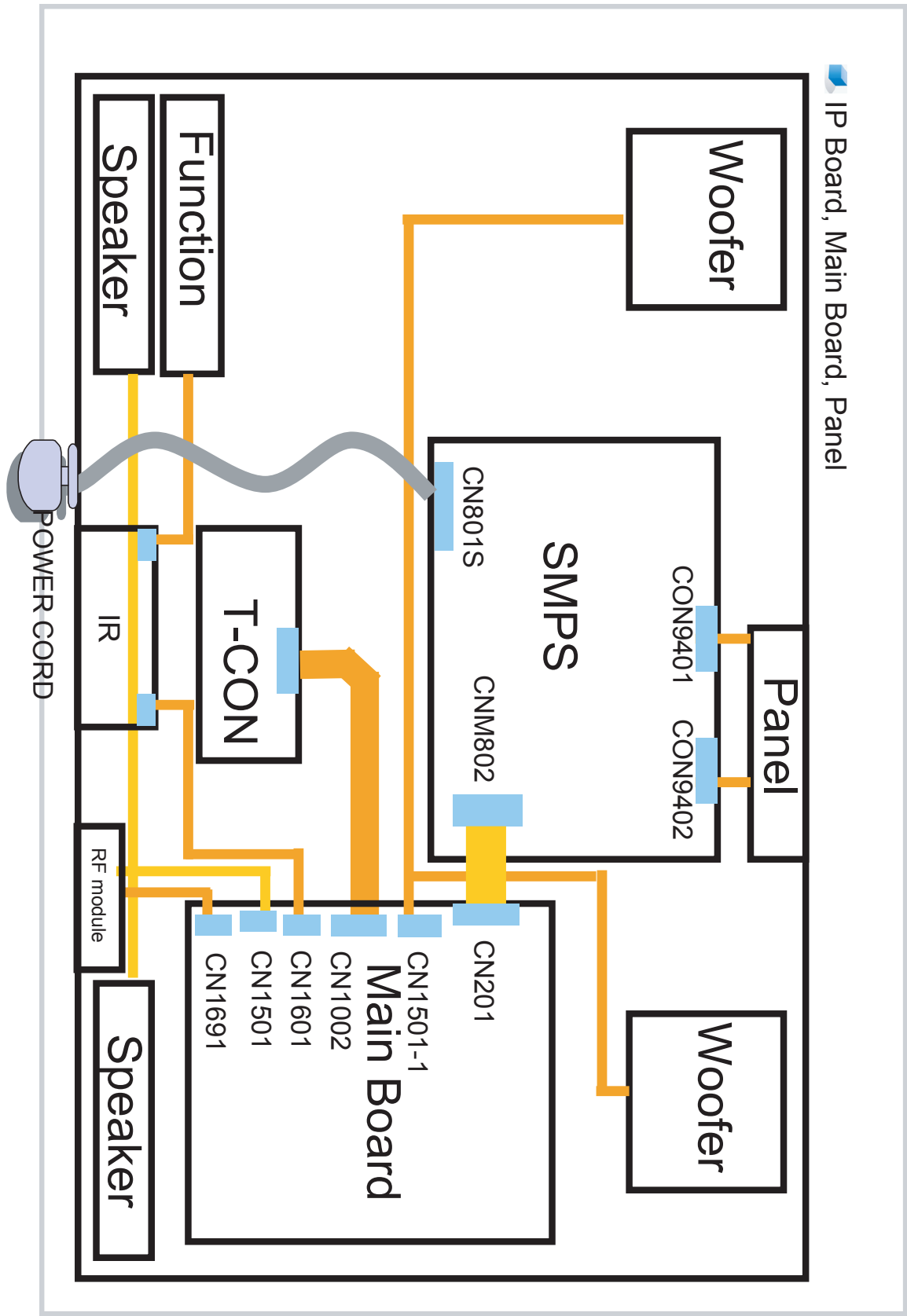


6. Wiring Diagram

6-1. Wiring Diagram 46/55”



CN1002(to T-CON)			
1	GND	27	RE[0]-
2	GND	28	GND
3	SW_PVCC	29	RO[4]+
4	FRC_RESET	30	RO[4]-
5	SDA	31	RO[3]+
6	SCL	32	RO[3]-
7	LVDS opt	33	GND
8	H-Sync Out	34	ROCLK+
9	Panel_WP	35	ROCLK-
10	T_Con Check	36	GND
11	NC	37	RO[2]+
12	NC	38	RO[2]-
13	GND	39	RO[1]+
14	RE[4]+	40	RO[1]-
15	RE[4]-	41	RO[0]+
16	RE[3]+	42	RO[0]-
17	RE[3]-	43	GND
18	GND	44	GND
19	RECLK+	45	GND
20	RECLK-	46	NC
21	GND	47	Panel_VCC
22	RE[2]+	48	Panel_VCC
23	RE[2]-	49	Panel_VCC
24	RE[1]+	50	Panel_VCC
25	RE[1]-	51	Panel_VCC
26	RE[0]+		

CN1501(to Speaker)	
1	R+
2	R-
3	L+
4	L-

CN1501-1(to Speaker)	
1	SW+
2	SW-
3	SW+
4	SW-

CN1204(PC sound)			
1	IR	7	KEY2
2	GND	8	NCL
3	A3.3V	9	A5V
4	LED_INDICAT	10	NC
5	BUZZER	11	LED_CTRL
6	KEY1	12	B5V

CN1401(to HDMI1)			
1	HDMI1_RX2+	11	DGND
2	DGND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	HDMI_CEC
4	HDMI1_RX1+	14	DGND
5	DGND	15	HDMI1_DDC_SCL
6	HDMI1_RX1-	16	HDMI1_DDC_SDA
7	HDMI1_RX0+	17	DGND
8	DGND	18	HDMI1_5V
9	HDMI1_RX0-	19	HDMI1_HPD
10	HDMI1_RXCLK+		

CN1204(to PC_IN)			
1	PC_RED	9	PC_5V
2	PC_GREEN	10	PC_IDENT
3	PC_BLUE	11	DGND
4	DGND	12	SDA_DOWN
5	DGND	13	PC_H_SYNC
6	DGND	14	PC_V_SYNC
7	DGND	15	SCL_DOWN
8	DGND		

CN903(to USB1)	
1	USB0_VCC
2	USB0_DM
3	USB0_DP
4	DGND

CN904(to USB2)	
1	USB1_VCC
2	USB1_DM
3	USB1_DP
4	DGND

CN1404(to HDMI2)			
1	HDMI2_RX2+	11	DGND
2	DGND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	HDMI_CEC
4	HDMI2_RX1+	14	DGND
5	DGND	15	HDMI2_DDC_SCL
6	HDMI2_RX1-	16	HDMI2_DDC_SDA
7	HDMI2_RX0+	17	DGND
8	DGND	18	HDMI2_5V
9	HDMI2_RX0-	19	HDMI2_HPD
10	HDMI2_RXCLK+		

CN1402(to HDMI3)			
1	HDMI3_RX2+	11	DGND
2	DGND	12	HDMI3_RXCLK-
3	HDMI3_RX2-	13	HDMI_CEC
4	HDMI3_RX1+	14	DGND
5	DGND	15	HDMI3_DDC_SCL
6	HDMI3_RX1-	16	HDMI3_DDC_SDA
7	HDMI3_RX0+	17	DGND
8	DGND	18	HDMI3_5V
9	HDMI3_RX0-	19	HDMI3_HPD
10	HDMI3_RXCLK+		

CN1403(to HDMI4)			
1	HDMI4_RX2+	11	DGND
2	DGND	12	HDMI4_RXCLK-
3	HDMI4_RX2-	13	HDMI_CEC
4	HDMI4_RX1+	14	DGND
5	DGND	15	HDMI4_DDC_SCL
6	HDMI4_RX1-	16	HDMI4_DDC_SDA
7	HDMI4_RX0+	17	DGND
8	DGND	18	HDMI4_5V
9	HDMI4_RX0-	19	HDMI4_HPD
10	HDMI4_RXCLK+		

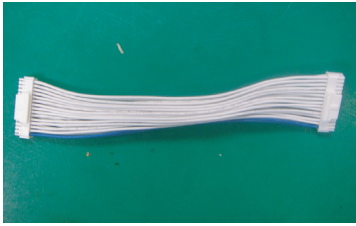
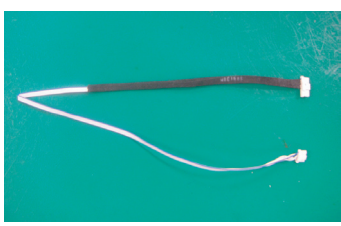
CN201(to CNM802)			
1	NC	16	B5V
2	NC	17	B5V
3	DET_5V	18	B5V
4	NC	19	DGND
5	PWM	20	DGND
6	DGND	21	DGND
7	B5V	22	DGND
8	NC	23	B12VS
9	B13V	24	B12VS
10	B13V	25	DGND
11	B13V	26	DGND
12	DGND	27	A5V
13	DGND	28	DGND
14	DGND	29	A5V
15	B5V	30	FRC_M_HSYNC

CN1691(to RF Module)	
1	A3.3V
2	ZIGBEE_RESET
3	RDB_HOTEL
4	GND
5	TDB_HOTEL
6	POWER_DET

6-3. Connector Functions

Connector	Functions
CNM802<->CN201	Supply power from SMPS to Main Board.
CN1002<->T-CON	The LVDS signal transferred from Main Board to Panel.

6-4. Cables

Use	Main-SMPS	Main-Tcon	Main-RF module
Code	BN39-01099L(30P 100mm)	46" : BN39-01184B(51P 250mm) 55" : BN39-01184C(51P 300mm)	46" : BN39-01184A (6P-10P 350mm) 55" : BN39-01184B (6P-10P 400mm)
Photo			
Use	Function Assy		
Code	46" BN96-10736C 55" BN96-10736D		
Photo	