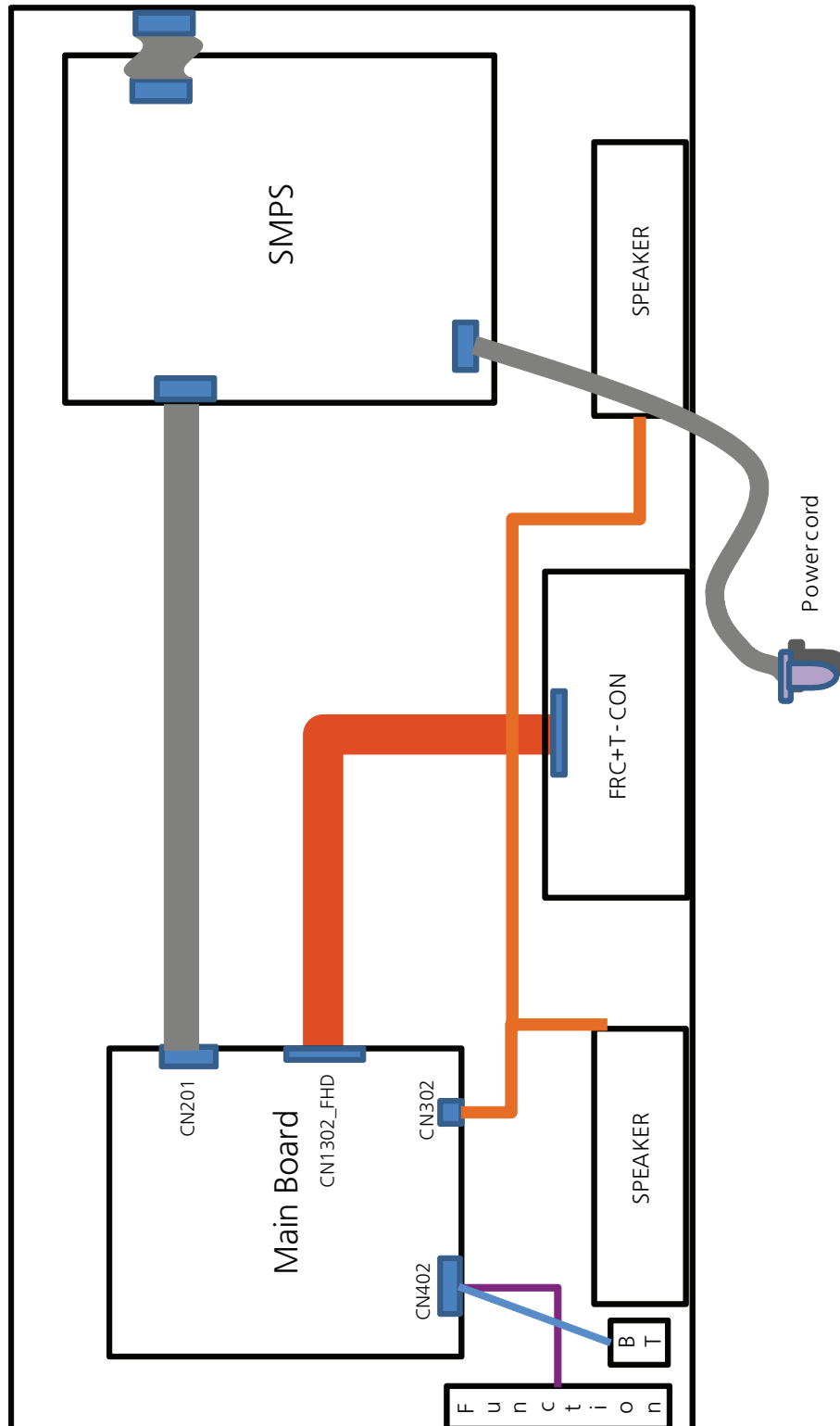
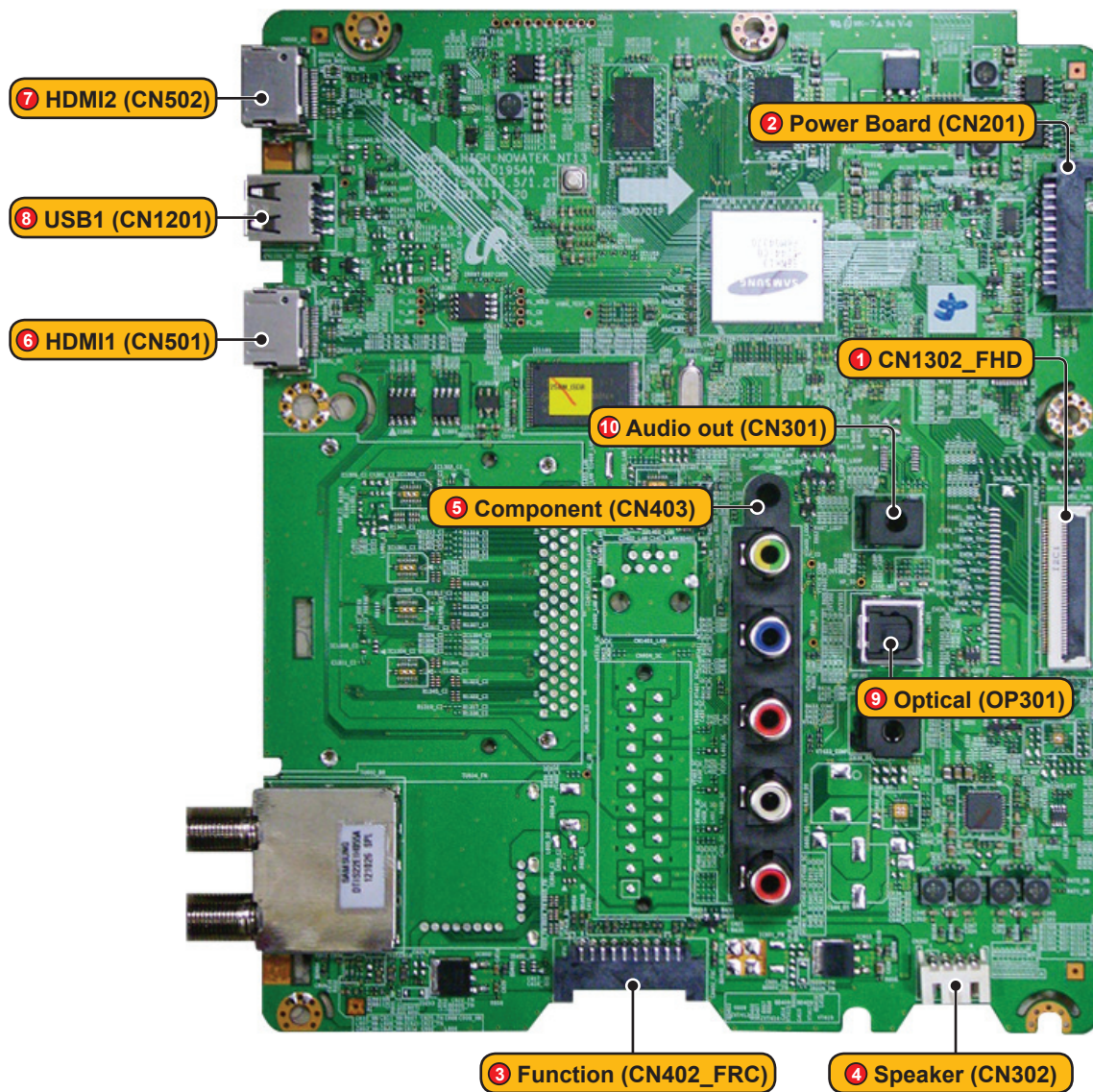


5. Wiring Diagram

5-1. Wiring Diagram



5-2. Board Connection



5-2-1. Connector

① CN1302_FHD			
1	NC	27	EVEN_TX0-
2	GND	28	GND
3	FRC_SDA	29	ODD_TX4+
4	FRC_PWM1	30	ODD_TX4-
5	FRC_SCL	31	ODD_TX3+
6	FRC_PWM3	32	ODD_TX3-
7	FRC_PWM2	33	GND
8	TCON_SDA	34	ODD_TXCLK+
9	PANEL_I2C_EN	35	ODD_TXCLK-
10	BT_SYNC	36	GND
11	UPDATE_CHK	37	ODD_TX2+
12	TCON_SCL	38	ODD_TX2-
13	GND	39	ODD_TX1+
14	EVEN_TX4+	40	ODD_TX1-
15	EVEN_TX4-	41	ODD_TX0+
16	EVEN_TX3+	42	ODD_TX0-
17	EVEN_TX3-	43	GND
18	GND	44	GND
19	EVEN_TXCLK-	45	GND
20	EVEN_TXCLK+	46	FRC_PWM4
21	GND	47	PANEL_13V_PW
22	EVEN_TX2+	48	PANEL_13V_PW
23	EVEN_TX2-	49	PANEL_13V_PW
24	EVEN_TX1+	50	PANEL_13V_PW
25	EVEN_TX1-	51	PANEL_13V_PW
26	EVEN_TX0+		

② Power Board (CN201)			
1	B5.3V_PW	11	B13V_PW
2	SW_POWER_OUT	12	ECO_ON
3	B5.3V_PW	13	B13V_PW
4	A5.3V_PW	14	CPLD_PWM1
5	GND	15	GND
6	GND	16	CPLD_PWM2
7	B12VS_PW	17	OVD_ON_OFF
8	GND	18	CPLD_PWM3
9	GND	19	OVD_LEVEL
10	SW_INVERTER	20	CPLD_PWM4

③ Function (CN402_FRC)			
1	IR	11	KEY1
2	GND	12	USB1_BT_DM
3	GND	13	KEY2
4	FRAME_SYNC_IN	14	B5.3V
5	A3.3V	15	LED_STB
6	BT_SYNC	16	BT_WAKE
7	MSCL	17	NC
8	GND	18	POWER_DET
9	MSDA	19	NC
10	USB1_BT_DP	20	BT_NRESET

④ Speaker (CN302)			
1	R+	3	L+
2	R-	4	L-

⑤ Component (CN403)			
1	GND	9	TEST_COMP_PR
2	COMP1_Y_CVBS	10	GND
3	IDENT_VIDEO1	11	COMP1_SL_IN
4	GND	12	TEST_SL
5	COMP1_PB	13	GND
6	IDENT_COMP1	14	COMP1_SR_IN
7	GND	15	TEST_SR
8	COMP1_PR		
9	HDMI4_RX0-	19	HDMI4_HOT_PLUG
10	HDMI4_RXCLK+		

5. Wiring Diagram

⑥ HDMI1 (CN501)

1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	CEC
4	HDMI1_RX1+	14	NC
5	GND	15	HDMI3_SCL_DDC
6	HDMI1_RX1-	16	HDMI3_SDA_DDC
7	HDMI1_RX0+	17	GND
8	GND	18	HDMI1_5V
9	HDMI1_RX0-	19	HDMI1_HOT_PLUG
10	HDMI1_RXCLK+		

⑦ HDMI2 (CN502)

1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	CEC
4	HDMI2_RX1+	14	NC
5	GND	15	HDMI2_SCL_DDC
6	HDMI2_RX1-	16	HDMI2_SDA_DDC
7	HDMI2_RX0+	17	GND
8	GND	18	HDMI2_5V
9	HDMI2_RX0-	19	HDMI2_HOT_PLUG
10	HDMI2_RXCLK+		

⑧ USB1 (CN1201)

1	USB_VCC	3	USB_DP
2	USB_DM	4	GND

⑨ Optical (OP301)

1	SPDIF_OUT	3	HDMI2_RXCLK+
2	VCC		

⑩ Audio out (CN301)

1	GND	5	NC
2	SL_OUT	6	IDIDENT
3	SR_OUT	7	GND
4	NC	8	GND

5-3. Connector Functions

Connector	Function
CN201 IP CNM803	Supply main power and dimming signal from IP Board to Main Board.
CN1302_FHD FRC + T-CON	The LVDS signal transfered from Main Board to Panel.

5-4. Cables

Use	Main-SMPS (20P)		Main-Tcon		Function-Main	
Code No.	40"	BN39-01475D	40"	BN96-24278K	40"	BN39-01771B
	46"	BN39-01475V	46"	BN96-24278L	46"	BN39-01771B
	55"	BN39-01475V	55"	BN96-24278M	55"	BN39-01771C
Image						

5-5. The types of module

Use	Bluetooth module	Function module
Code No.	BN96-25376A	40" : BN98-04412A 46" : BN98-04412A 55" : BN98-04412B
Standard	-	-
Image	