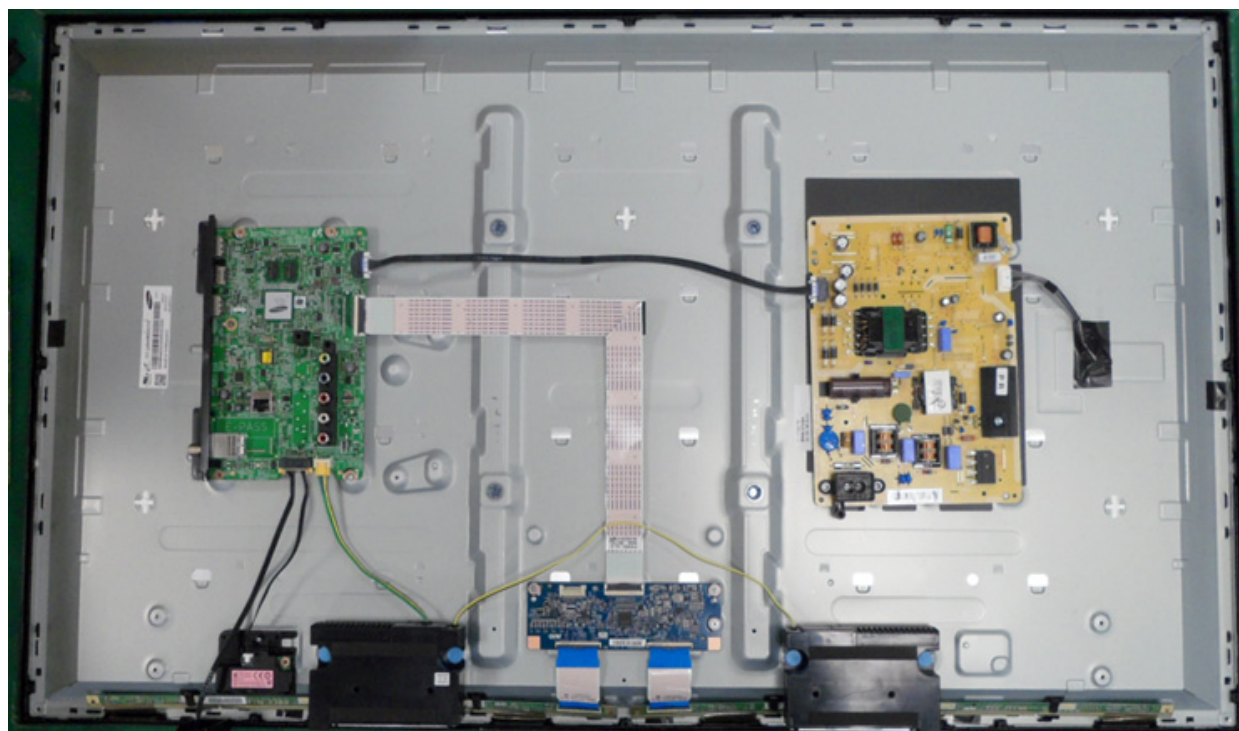
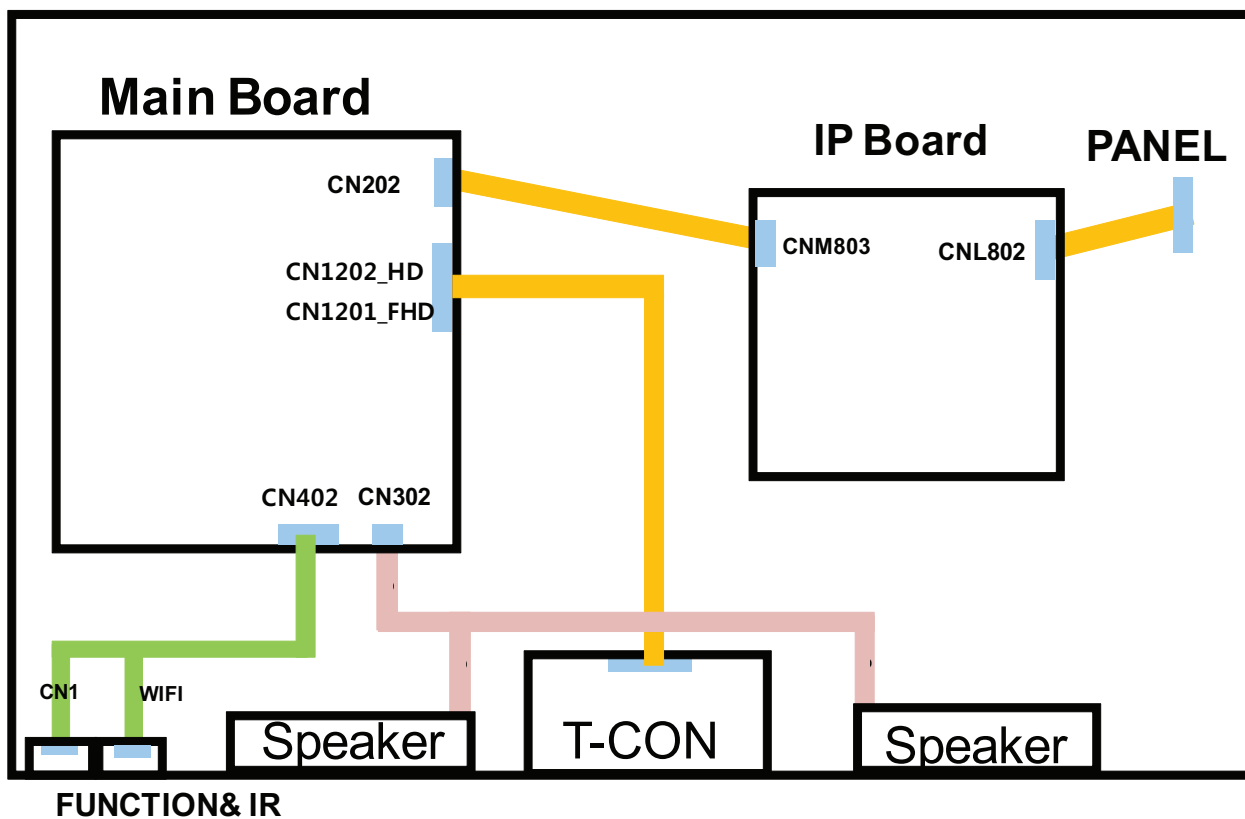


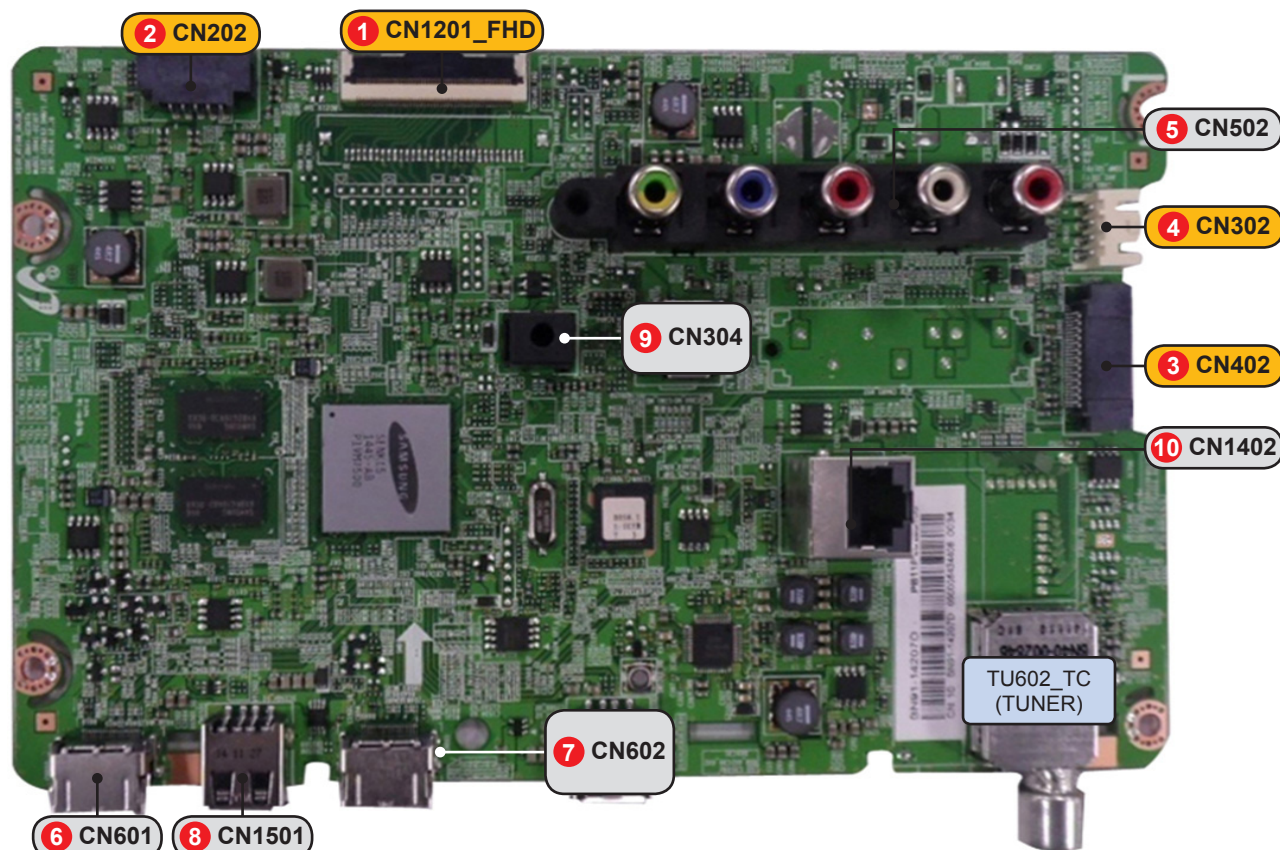
5. Wiring Diagram

5-1. Wiring Diagram



5-2. Connector

■ Main Board



■ Main Board Pin Map

1 CN1201_FHD (to Panel)			
1	NC	18	GND
2	GND	19	EVEN_TXCLK-
3	FRC_SDA	20	EVEN_TXCLK+
4	FRC_PWM1	21	GND
5	FRC_SCL	22	EVEN_TX2+
6	FRC_PWM3	23	EVEN_TX2-
7	FRC_PWM2	24	EVEN_TX1+
8	TCON_SDA	25	EVEN_TX1-
9	PANEL_I2C_EN	26	EVEN_TX0+
10	BT_SYNC	27	EVEN_TX0-
11	UPDATE_CHK	28	GND
12	TCON_SCL	29	ODD_TX4+
13	GND	30	ODD_TX4-
14	EVEN_TX4+	31	ODD_TX3+
15	EVEN_TX4-	32	ODD_TX3-
16	EVEN_TX3+	33	GND
17	EVEN_TX3-	34	ODD_TXCLK+

1 CN1201_FHD (to Panel)			
35	ODD_TXCLK-	44	GND
36	GND	45	GND
37	ODD_TX2+	46	FRC_PWM4
38	ODD_TX2-	47	PANEL_13V_PW
39	ODD_TX1+	48	PANEL_13V_PW
40	ODD_TX1-	49	PANEL_13V_PW
41	ODD_TX0+	50	PANEL_13V_PW
42	ODD_TX0-	51	PANEL_13V_PW
43	GND		

2 CN202 (to Power board)			
1	GND	6	SW_POWER_OUT
2	GND	7	A13V_PW
3	A13V_PW	8	PWM_DIMMING
4	GND	9	A13V_PW
5	A13V_PW	10	UNDER_DRIVER

3 CN402 (FUNCTION_BT_WIFI)

1	IR	14	A3.3V
2	GND	15	LED_STB
3	GNC	16	NC
4	FRAME_SYNC_IN	17	GNC
5	A3.3V	18	POWER_DET
6	NC	19	NC
7	MSCL_I2C	20	NC
8	GNC	21	GNC
9	MSDA_I2C	22	WIFI_DP_WIFI
10	NC	23	WIFI_DM_WIFI
11	KEY_INPUT1	24	B5V_DC_PW
12	NC	25	NC
13	KEY_INPUT2	26	WIFI_RESET

4 CN302 (SPEAKER)

1	R+	3	L+
2	R-	4	L-

5 CN502 (to Component&AV)

1	GND	9	TEST_PR
2	COMP1_Y_CVBS1	10	GND
3	IDENT_AV1	11	COMP1_AV1_SL_IN
4	GND	12	TEST_SL
5	COMP1_PB	13	GND
6	IDENT_COMP1	14	COMP1_AV1_SR_IN
7	GND	15	TEST_SR
8	COMP1_PR		

6 CN601 (to HDMI1)

1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	CEC
4	HDMI1_RX1+	14	NC
5	GND	15	HDMI1_SCL_DDC
6	HDMI1_RX1-	16	HDMI1_SDA_DDC
7	HDMI1_RX0+	17	GND
8	GND	18	HDMI1_5V
9	HDMI1_RX0-	19	HDMI1_HOT_PLUG
10	HDMI1_RXCLK+		

7 CN602 (to HDMI2)

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 CN1501 (USB1)

1	B5V_USB1_PW	3	USB_D+
2	USB_D-	4	GND

9 CN304 (Headphone)

1	GND	5	TEST_SR
2	SL_OUT	6	IDENT_HP
3	SR_OUT	7	GND
4	TEST_SL		

10 CN1402 (LAN)

1	LAN_TXD+	5	GND
2	GND	6	LAN_RXD-
3	LAN_TXD-	7	NC
4	LAN_RXD+	8	GND

5-3. Connector Functions

Connector	Function
CN202 ↔ CNM803	Supply main power and dimming signal from IP board to Main Board.
CN1201 ↔ T-CON	The LVDS signal transferred from Main Board to Panel .

5-4. Cables

USE		LVDS CABLE (Main - panel)	LEAD (IP - PANEL)
		ASSY CABLE P-FFC	LEAD CONNECTOR
Code	40"	BN96-36273X	BN39-01885C
	43"	BN96-36273Q	BN39-01885C
	48"	BN96-36273P	BN39-01885T
Photo			

USE		Function Assy	
		ASSY BOARD P	
Code	40"	BN98-06327C	
	43"	BN98-06327C	
	48"	BN98-06327E	
Photo			



NOTE

The code number of cable can be changed, see "Exploded Views and Parts List".