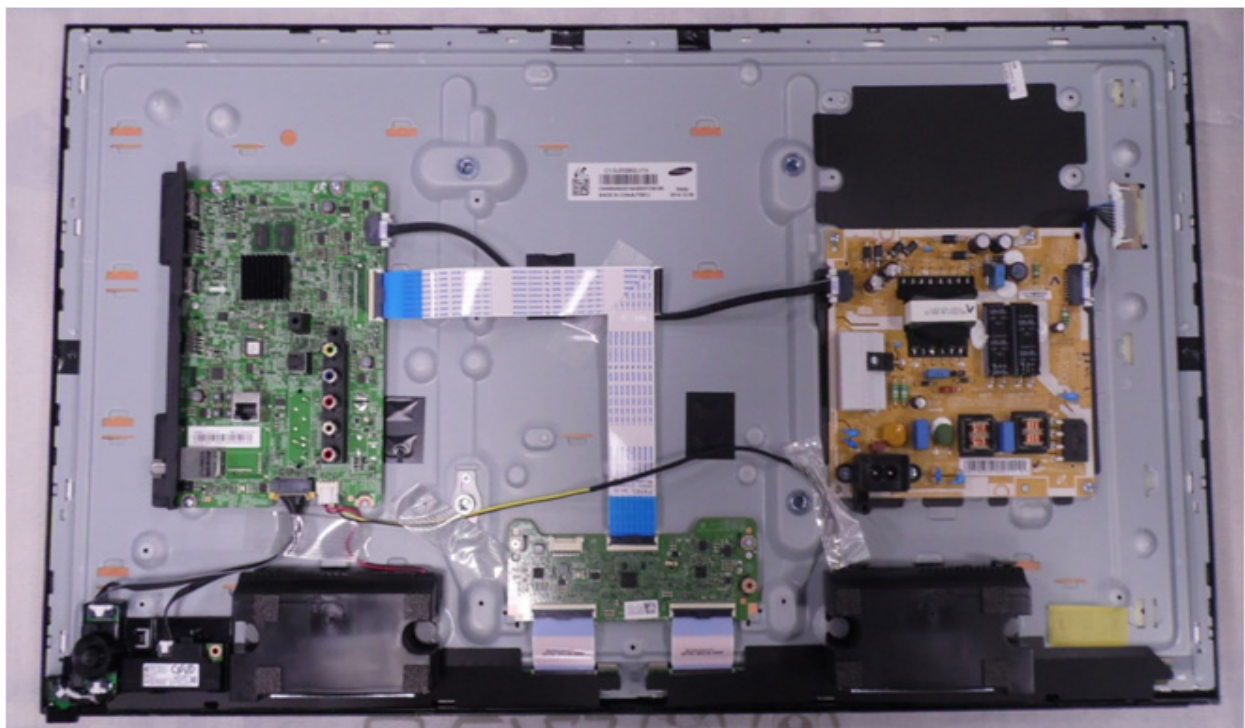
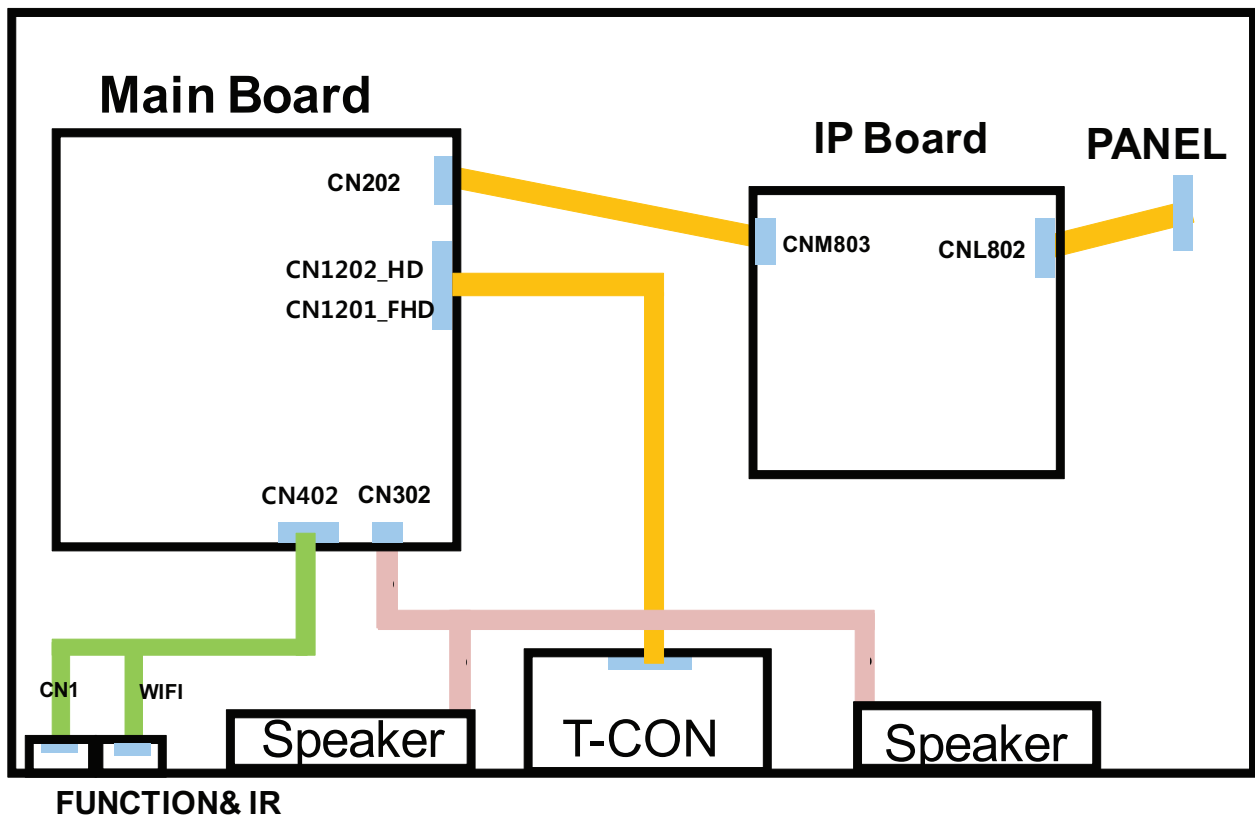


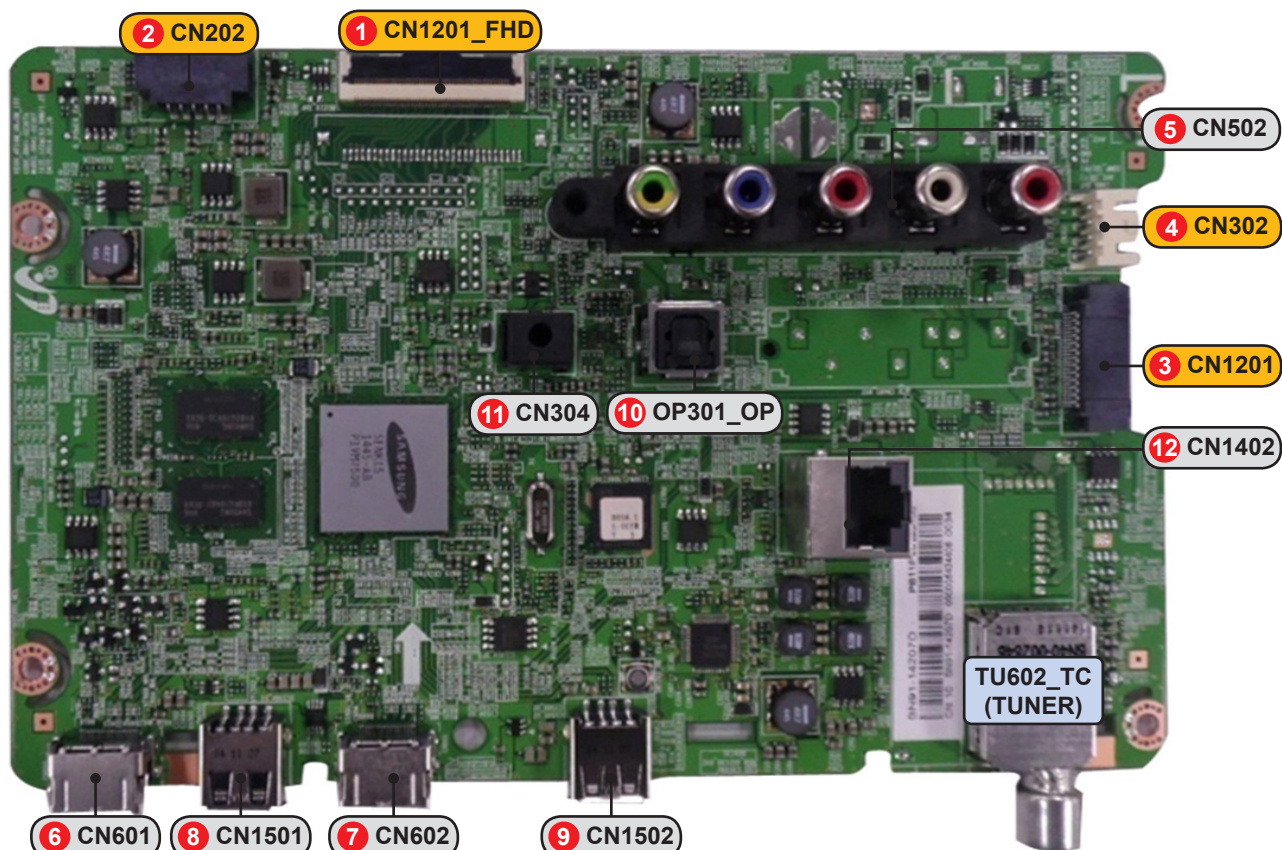
5. Wiring Diagram

5-1. Wiring Diagram



5-2. Connector

■ Main Board



■ Main Board Pin Map

1 CN1201_FHD (to Panel)				1 CN1201_FHD (to Panel)			
1	NC	18	GND	35	ODD_TXCLK-_LVDS	44	GND
2	GND	19	EVEN_TXCLK+_LVDS	36	GND	45	GND
3	FRC_SDA	20	EVEN_TXCLK-_LVDS	37	ODD_TX2+_LVDS	46	NC
4	PWM_DIM1_FRC	21	GND	38	ODD_TX2-_LVDS	47	Panel_13V_PW
5	FRC_SCL	22	EVEN_TX2+_LVDS	39	ODD_TX1+_LVDS	48	Panel_13V_PW
6	FRC_NRESET	23	EVEN_TX2-_LVDS	40	ODD_TX1-_LVDS	49	Panel_13V_PW
7	LVDS_FORMAT	24	EVEN_TX1+_LVDS	41	ODD_TX0+_LVDS	50	Panel_13V_PW
8	TCON_SDA	25	EVEN_TX1-_LVDS	42	ODD_TX0-_LVDS	51	Panel_13V_PW
9	TCON_WP	26	EVEN_TX0+_LVDS	43	GND		
10	NC	27	EVEN_TX0-_LVDS	2 CN202 (to Power board)			
11	UPDATE_CHECK	28	GND	1	GND	6	SW_POWER_TO_SMPS
12	TCON_SCL	29	ODD_TX4+_LVDS	2	GND	7	A13V
13	GND	30	ODD_TX4-_LVDS	3	A13V	8	PWM_DIM
14	EVEN_TX4+_LVDS	31	ODD_TX3+_LVDS	4	GND	9	A13V
15	EVEN_TX4-_LVDS	32	ODD_TX3-_LVDS	5	A13V	10	UNDER_DRIVER
16	EVEN_TX3+_LVDS	33	GND				
17	EVEN_TX3-_LVDS	34	ODD_TXCLK+_LVDS				

3 CN1201 (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 (COMPONENT)

1	GND	9	TEST_PR
2	COMP1_Y_CVBS	10	GND
3	IDENT_VIDEO1	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 (HDMI INPUT1) (STB/ARC)

1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RX_CLK-
3	HDMI1_RX2-	13	CEC
4	HDMI1_RX1+	14	NC
5	GND	15	HDMI1_SCL
6	HDMI1_RX1-	16	HDMI1_SDA
7	HDMI1_RX0+	17	GND
8	GND	18	HDMI1_5V
9	HDMI1_RX0-	19	STB_CHECK
10	HDMI1_RX_CLK+		

7 CN602 (HDMI INPUT2) (MHL)

1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RX_CLK-
3	HDMI2_RX2-	13	CEC
4	HDMI2_RX1+	14	NC
5	GND	15	HDMI_SCL
6	HDMI2_RX1-	16	HDMI_SDA
7	HDMI2_RX0+	17	GND
8	GND	18	HDMI2_5V
9	HDMI2_RX0-	19	STB_CHECK
10	HDMI2_RX_CLK+		

8 CN1501 (USB1)

1	B5V_USB1	3	USB_DP
2	USB_DM	4	GND

9 CN1502 (USB2)

1	B5V_USB2	3	USB_DP
2	USB_DM	4	GND

10 OP301_OP (OPTICAL)

1	SPDIF_OUT	3	GND
2	B5V		

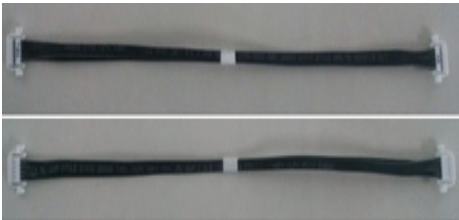
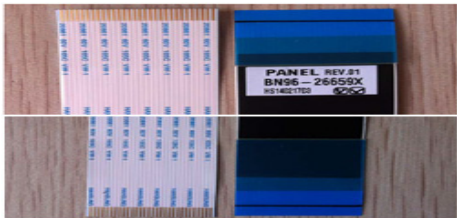
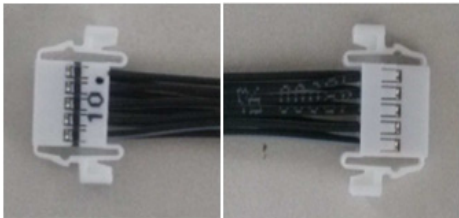
11 CN304 (Headphone)

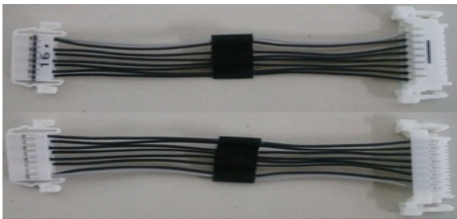
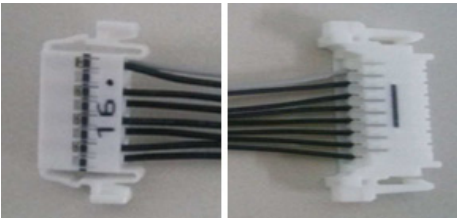
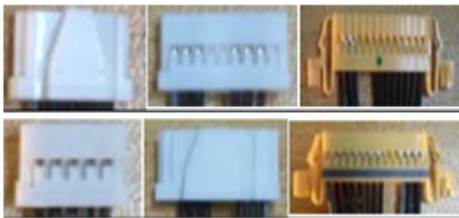
1	GND	5	TEST_SR
2	SL_OUT	6	IDENT_HP
3	SR_OUT	7	GND
4	TEST_SL		

12 CN1402 (SCART)

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

5-3. Cables

USE		LVDS CABLE (Main - panel)	Power Harness (PD - Main)
		ASSY CABLE P-FFC	LEAD CONNECTOR
Code	40"	BN96-27044N	BN39-01885C
	48"	BN96-31530P	BN39-01885H
	50"	BN96-31530R	BN39-01885N
	55"	BN96-36243E	BN39-01885N
Photo			
			

USE		LED Harness (PD - panel)	LED Harness (Function)
		LEAD CONNECTOR	LEAD CONNECTOR
Code	40"	BN39-01884B	BN39-02065B
	48"	BN39-01884B	BN39-02065A
	50"	BN39-01884B	BN39-02065B
	55"	BN39-01884B	BN39-02065E
Photo			
			



NOTE

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