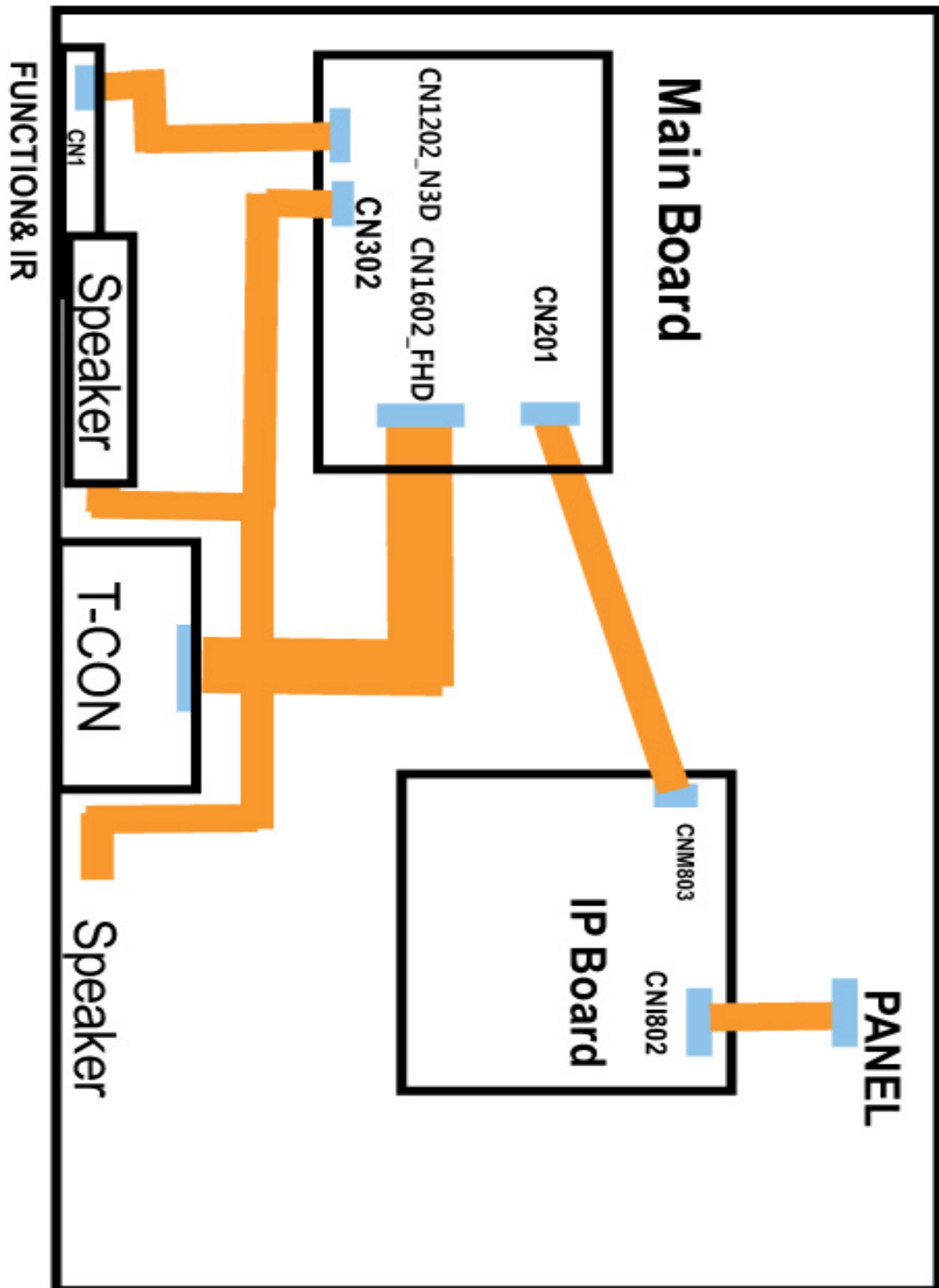


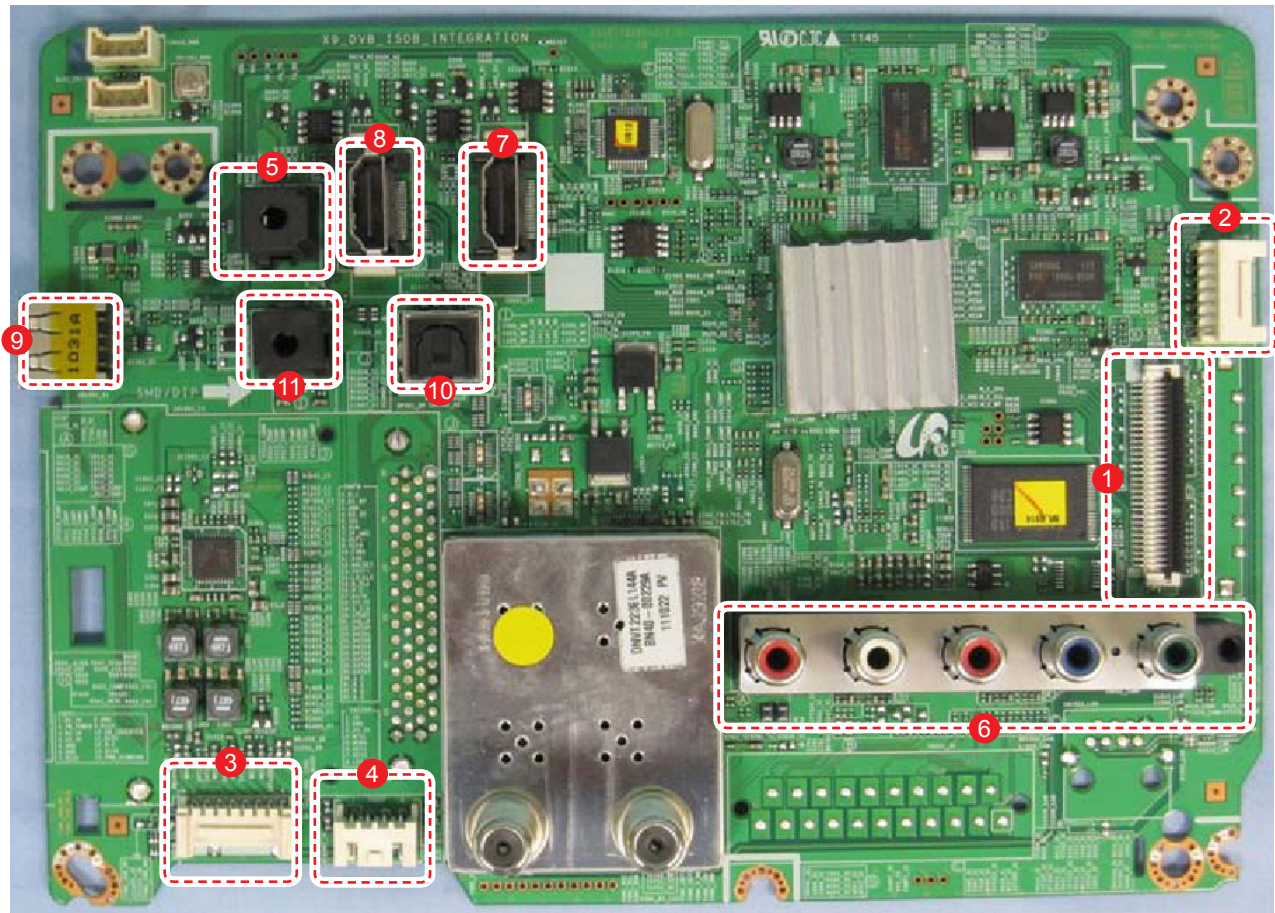
5. Wiring Diagram

5-1. Wiring Diagram



5-2. Connector

■ Main Board



① CN1602_FHD (to Panel)			
1	NC	14	EVEN[4]+
2	NC	15	EVEN[4]-
3	NC	16	EVEN[3]+
4	NC	17	EVEN[3]-
5	NC	18	GND
6	NC	19	EVENCLK+
7	FORMAT	20	EVENCLK-
8	SDA_Panel	21	GND
9	TCON_WP	22	EVEN[2]+
10	NC	23	EVEN[2]-
11	SDA_Panel	24	EVEN[1]+
12	SCL_Panel	25	EVEN[1]-
13	GND	26	EVEN[0]+

① CN1602_FHD (to Panel)			
27	EVEN[0]-	40	ODD[1]-
28	GND	41	ODD[0]+
29	ODD[4]+	42	ODD[0]-
30	ODD[4]-	43	GND
31	ODD[3]+	44	GND
32	ODD[3]-	45	GND
33	GND	46	NC
34	ODDCLK+	47	Panel_VCC
35	ODDCLK-	48	Panel_VCC
36	GND	49	Panel_VCC
37	ODD[2]+	50	Panel_VCC
38	ODD[2]-	51	Panel_VCC
39	ODD[1]+		

② CN201 (to Powr board)			
1	B5V	8	GND
2	SW_POWER	9	B13VS
3	B5V	10	SW_INVERTER
4	A5V	11	B13V
5	GND	12	B13V
6	GND	13	B13V
7	B13VS	14	PWM_DIMM

③ CN1202_N3D (FUNCTION)			
1	IR	5	MSDA
2	GND	6	KEY1
3	A3.3V	7	KEY2
4	MSCL	8	GND

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

⑤ CN503_FPC(DEBUG)			
1	GND	4	DEBUG_TX
2	DEBUG_RX	5	DEBUG_TX
3	DEBUG_TX	6	GND

⑥ CN502(COMPONETN)			
1	GND	9	GND
2	COMP1_Y	10	GND
3	IDENT_AV	11	SL
4	GND	12	SR
5	PB	13	GND
6	IDENT_COMP	14	SR
7	GND	15	SL
8	PR		

⑦ CN501 (HDMI1)			
1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	HDMI_CEC
4	HDMI1_RX1+	14	GND
5	GND	15	SCL
6	HDMI1_RX1-	16	SDA
7	HDMI1_RX0+	17	GND
8	GND	18	5V
9	HDMI1_RX0-	19	HPD
10	HDMI1_RXCLK+		

⑧ CN502 (HDMI2)			
1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	HDMI_CEC
4	HDMI2_RX1+	14	GND
5	GND	15	SCL
6	HDMI2_RX1-	16	SDA
7	HDMI2_RX0+	17	GND
8	GND	18	5V
9	HDMI2_RX0-	19	HPD
10	HDMI2_RXCLK+		

⑨ CN1201 (USB1)			
1	USB_VCC	3	USB_DP
2	USB_DM	4	GND

⑩ OP301 (Optical)			
1	SPDIF_OUT	3	GND
2	GND		

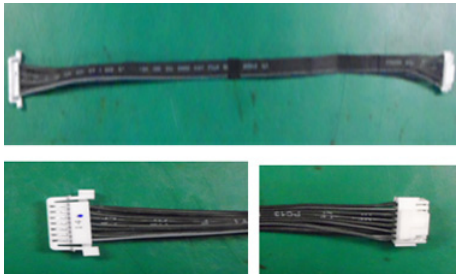
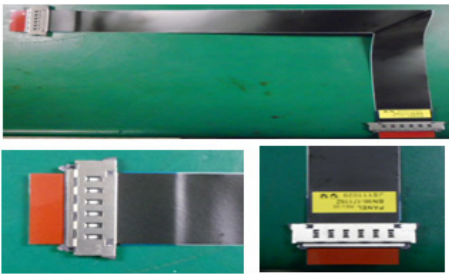
⑪ CN301(Monitor Out)			
1	GND	4	GND
2	SR_OUT	5	NC
3	SL_OUT	6	GND

① CN1601_HD (to Panel)			
1	PANEL_VCC	16	ODD_CLK+
2	PANEL_VCC	17	ODD_CLK-
3	PANEL_VCC	18	GND
4	PANEL_VCC	19	ODD2+
5	PANEL_VCC	20	ODD2-
6	GND	21	GND
7	GND	22	ODD1+
8	GND	23	ODD1-
9	WP_PANEL	24	GND
10	LVDS FORMAT	25	ODD0+
11	NC	26	ODD0-
12	GND	27	GND
13	ODD3+	28	SDA
14	ODD3-	29	SCL
15	GND	30	NC

5-3. Connector Functions

Connector	Function
CN201 ↔ IP CN	Supply main power and dimming signal from IP board to Main Board.
CN1301_FHD ↔ T-CON CNF1	The LVDS signal transfered from Main Board to Panel .
CN1302_HD ↔ T-CON CNF1	The LVDS signal transfered from Main Board to Panel .

5-4. Cables

Use	LEAD (Main-IP 14P)	LVDS CALBE (Main - Panel 30P)
Code No.	UN39FH5003G : BN39-01632C UN40FH5003G : BN39-01632C UN46FH5003G : BN39-01632D	UN39FH5003G : BN96-26699C UN40FH5003G : BN96-26699C UN46FH5003G : BN96-24278M
Image		
Code No.	UN32FH4003G : BN39-01632B	UN32FH4003G : BN96-13227Z
Image	