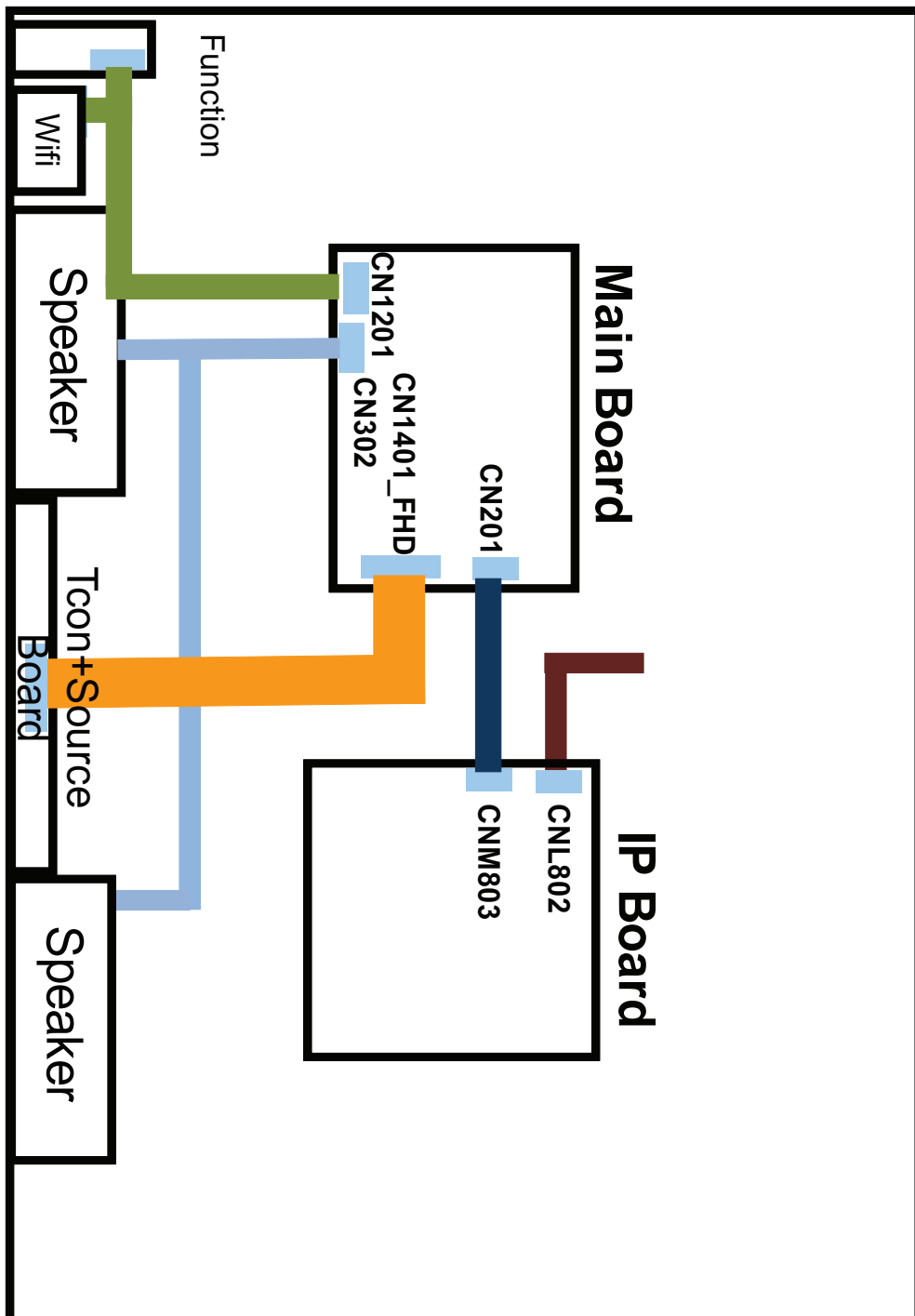


5. Wiring Diagram

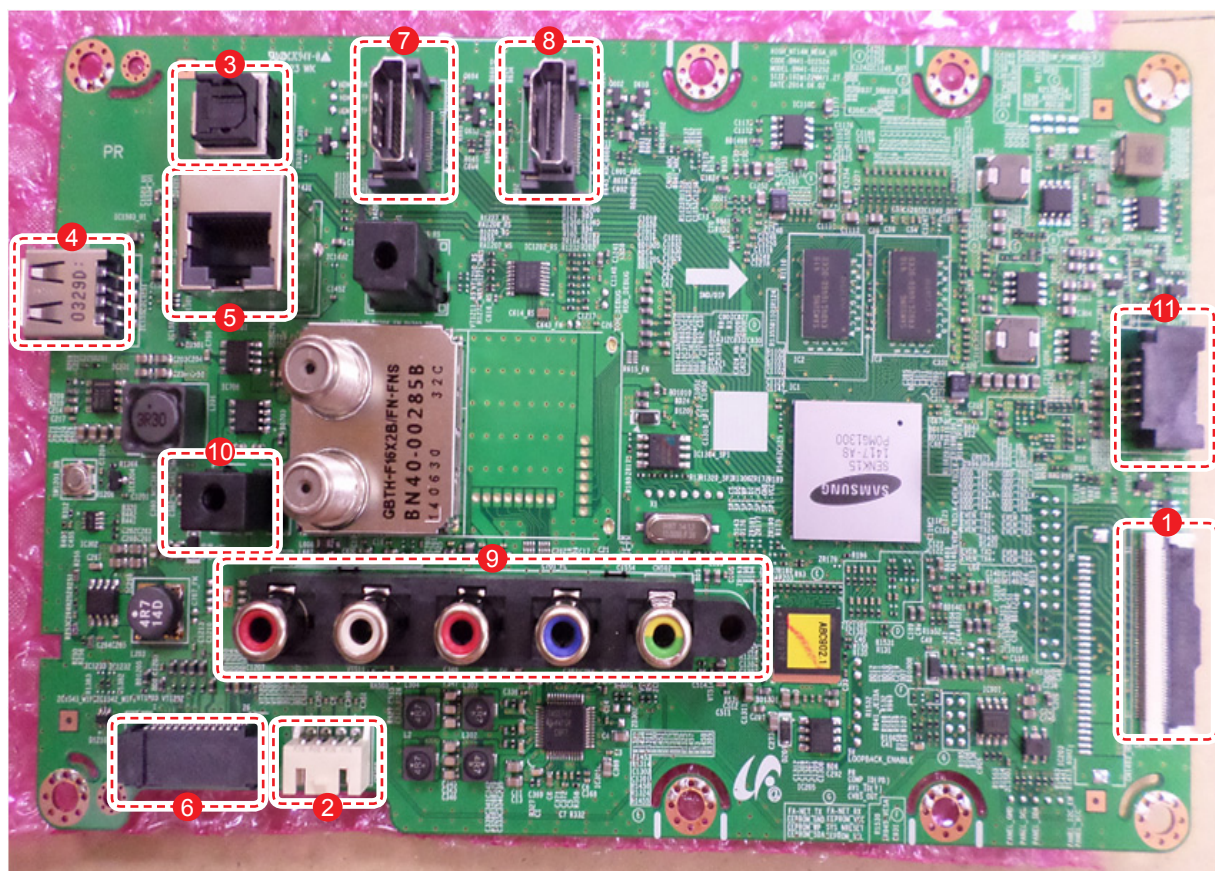
5-1. Wiring Diagram



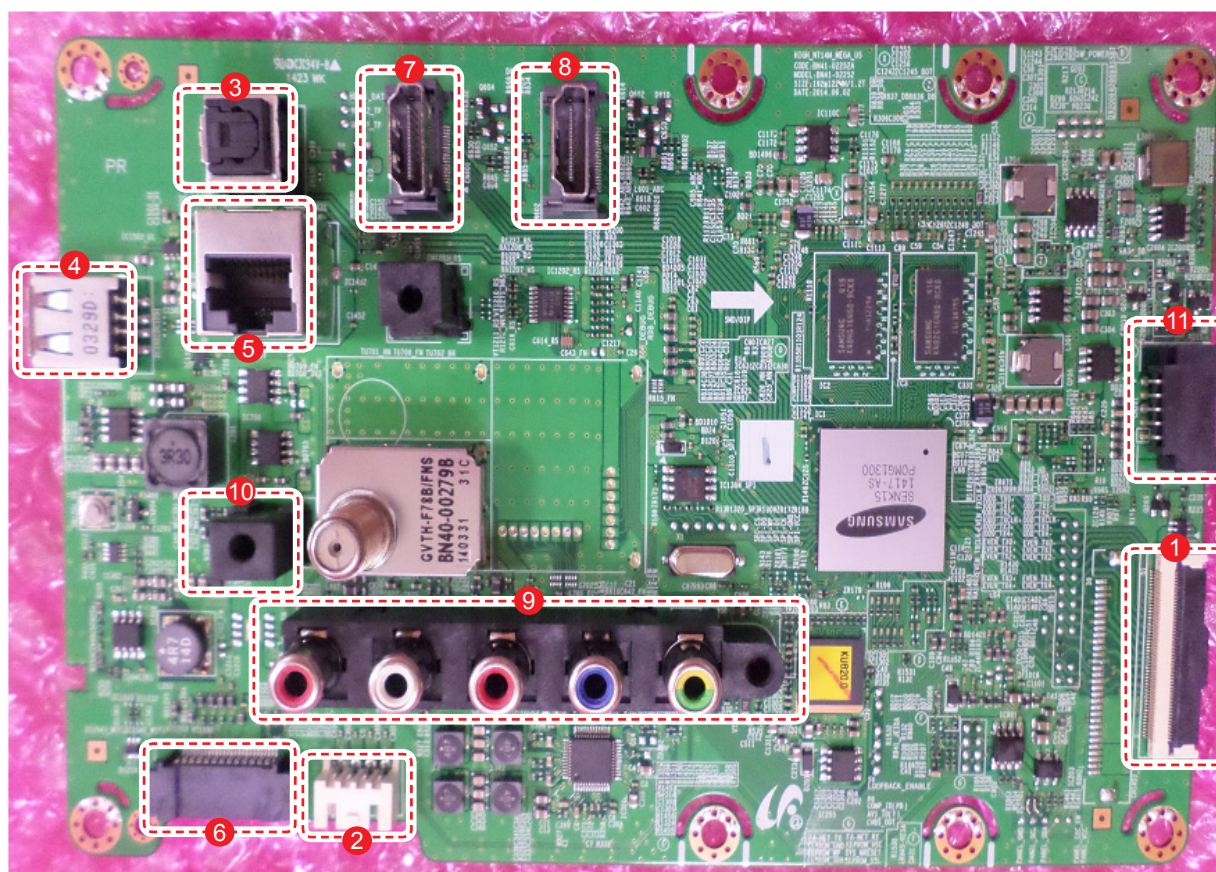
5-2. Connector

■ Main Board

LATIN AMERICA



MEXICO



COLOMBIA



5. Wiring Diagram

① CN1401_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 CN302 (SPEAKER)			
1	R+	3	L+
2	R-	4	L-

③ OP301 (OPTICAL)			
1	SPDIF_OUT	3	GND
2	GND		

④ CN1501(USB1)			
1	B5V_USB1_PW	3	USB1_DP
2	USB1_DM	4	GND

⑤ CN1402 (to LAN)			
1	LAN_TXD+	5	GND
2	GND	6	LAN_RXD-
3	LAN_TXD-	7	NC
4	LAN_RXD+	8	GND

⑥ CN201 (to Powr board)			
1	IR	14	NC
2	NC	15	LED_STB
3	GND	16	NC
4	NC	17	GND
5	A3.3V	18	NC
6	NC	19	NC
7	MSCL	20	NC
8	NC	21	GND
9	MSDA	22	WIFI_DP
10	NC	23	WIFI_DM
11	KEY_INPUT1	24	B5V_DC_PW
12	NC	25	NC
13	KEY_INPUT2	26	WIFI_NRESET

⑦ CCN601 (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+		

⑧ CN602 (to HDMI2)			
1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	CEC
4	HDMI2_RX1+	14	ARC2_SIGLE
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+		

⑨ CN502 (to Component&AV)

1	GND	9	TEST_PR
2	COMP2_Y_CVBS	10	GND
3	INDENT_VIEDO2	11	COMP2_AV2_SL_ IN
4	GND	12	TEST_SL
5	COMP2_PB	13	GND
6	INDENT_COMP2	14	COMP2_AV2_SR_ IN
7	GND	15	TEST_SR
8	COMP2_PR		

⑩ CN304 (HEADPHONE & LR OUT)

1	GND	4	TEST_SL
2	HP_LINE_SL_OUT	5	TEST_SR
3	HP_LINE_SR_OUT	6	IDENT_HP

⑪ CN201 (to Power)

1	GND	6	SW_POWR
2	GND	7	A13V_PW
3	A13V_PW	8	SW_INVERTER
4	GND	9	A13V_PW
5	A13V_PW	10	UNDER_DRIVE

5-3. Connector Functions

Connector	Function
CN201 ↔ CNM803	Supply main power and dimming signal from IP board to Main Board.
CN1401 ↔ T-CON	The LVDS signal transferred from Main Board to Panel.