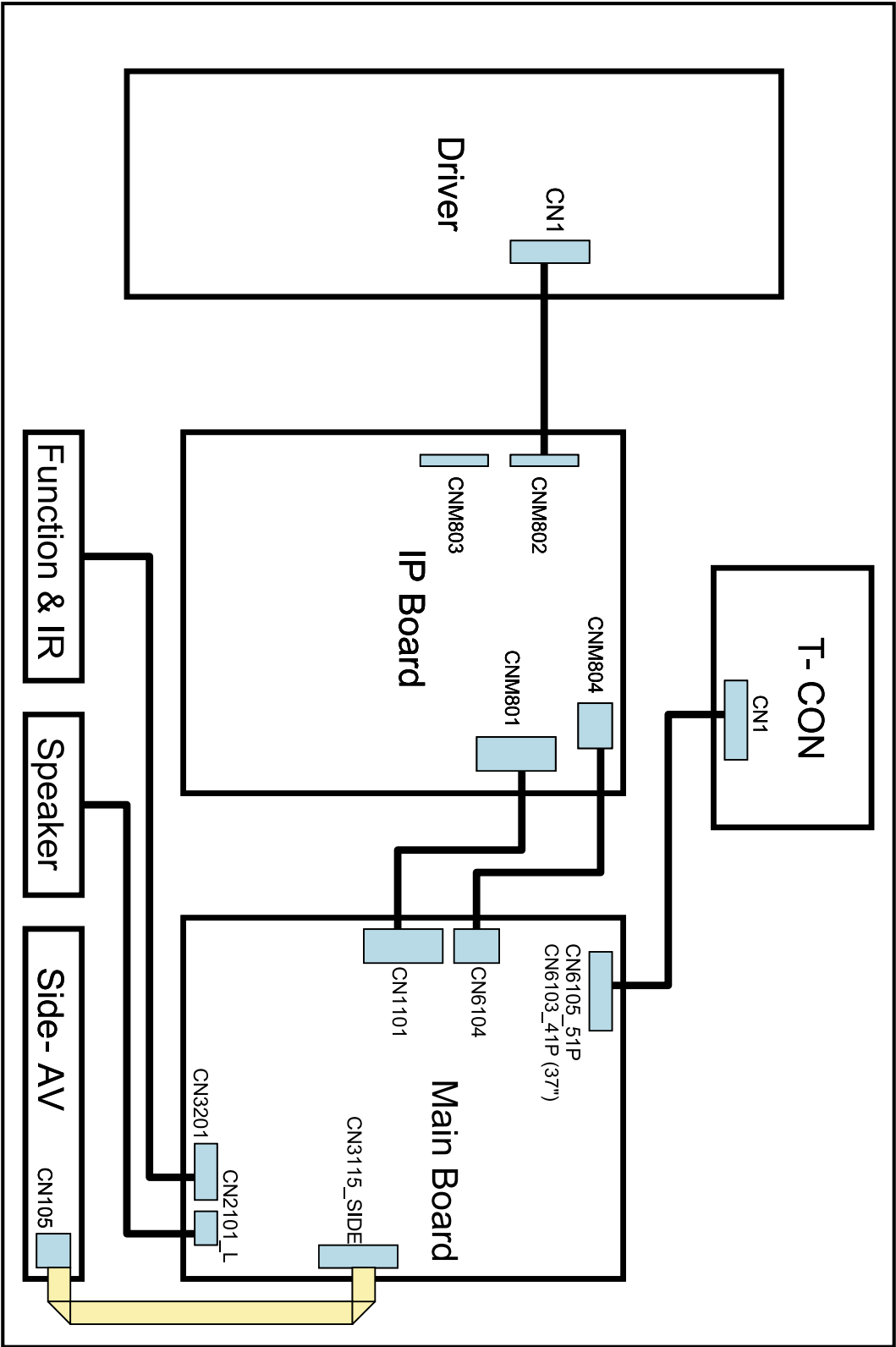


6. Wiring Diagram

6-1. Wiring Diagram



## 6. Wiring Diagram

CN6105 51P (to Panel)

1	PDP Start_Opt	26	EVEN TX0+
2	PDP Logic_TX	27	EVEN TX0-
3	SW_PVCC	28	GND
4	SDA4	29	ODD TX4+
5	GND	30	ODD TX4-
6	SCL4	31	ODD TX3+
7	GND	32	ODD TX3-
8	PDP Logic_RX	33	GND
9	NC	34	ODD TXCLK+
10	T-CON-Check	35	ODD TXCLK-
11	EVEN TX5+	36	GND
12	EVEN TX5-	37	ODD TX2+
13	GND	38	ODD TX2-
14	EVEN TX4+	39	ODD TX1+
15	EVEN TX4-	40	ODD TX1-
16	EVEN TX3+	41	ODD TX0+
17	EVEN TX3-	42	ODD TX0-
18	GND	43	GND
19	EVEN TXCLK+	44	ODD TX5+
20	EVEN TXCLK-	45	ODD TX5-
21	GND	46	NC
22	EVEN TX2+	47	12V
23	EVEN TX2-	48	12V
24	EVEN TX1+	49	12V
25	EVEN TX1-	50	12V
		51	12V

CN6104 (Dimming)

1	SW INVERTER
2	ANA Dimming
3	PWM Dimming
4	GND
5	SENSE Power

CN1101 (Power)

1	PDP Start_Opt	13	EVEN TX6+
2	PDP Logic_TX	14	EVEN TX6-
3	SW_PVCC	15	GND
4	SDA4	16	ODD TX4+
5	GND	17	ODD TX4-
6	SCL4	18	ODD TX3+
7	GND	19	ODD TX3-
8	PDP Logic_RX	20	GND
9	NC	21	ODD TXCLK+
10	T-CON-Check	22	ODD TXCLK-
11	EVEN TX5+	23	GND
12	EVEN TX5-	24	ODD TX2+

JA3207 (to DVI Sound)

1	GND
2	DVI SL IN
3	DVI SL IN
4	GND
5	DVI SR IN
6	DVI SR IN

JA3204 (to Component)

1	GND
2	COMP IDENT
3	COMP Y
4	GND
5	COMP PB
6	COMP PB
7	GND
8	COMP PR
9	COMP PR

JA3206 (to Component)

1	GND
2	COMP SR IN
3	COMP SL IN
4	GND
5	COMP SL IN
6	COMP SR IN

JA3102 (to HDMI1)

1	HDMI1_RX2+	12	HDMI1_RXCLK-
2	GND	13	NC
3	HDMI1_RX2-	14	NC
4	HDMI1_RX1+	15	HDMI1_DDC_SCL
5	GND	16	HDMI1_DDC_SDA
6	HDMI1_RX1-	17	GND
7	HDMI1_RX0+	18	IDENT HDMI1
8	GND	19	HDMI HOT PLUG
9	HDMI1_RX0-	20	GND
10	HDMI1_RXCLK+	21	GND
11	GND		

JA3103 (to HDMI2)

1	HDMI2_RX2+	12	HDMI2_RXCLK-
2	GND	13	NC
3	HDMI2_RX2-	14	NC
4	HDMI2_RX1+	15	HDMI2_DDC_SCL
5	GND	16	HDMI2_DDC_SDA
6	HDMI2_RX1-	17	GND
7	HDMI2_RX0+	18	IDENT HDMI2
8	GND	19	HDMI HOT PLUG
9	HDMI2_RX0-	20	GND
10	HDMI2_RXCLK+	21	GND
11	GND		

JA3114 NSIDE (to HDMI3)

1	HDMI3_RX2+	12	HDMI3_RXCLK-
2	GND	13	NC
3	HDMI3_RX2-	14	NC
4	HDMI3_RX1+	15	HDMI3_DDC_SCL
5	GND	16	HDMI3_DDC_SDA
6	HDMI3_RX1-	17	GND
7	HDMI3_RX0+	18	IDENT HDMI3
8	GND	19	HDMI HOT PLUG
9	HDMI3_RX0-	20	GND
10	HDMI3_RXCLK+	21	GND
11	GND		

JA3208 (to PC)

1	PC RED	9	SV
2	PC GREEN	10	PC IDENT
3	PC BLUE	11	GND
4	GND	12	SDA
5	GND	13	PC HS
6	GND	14	PC VS
7	GND	15	SCL
8	GND		

JA3101 (to PC Sound)

1	GND
2	PC SR IN
3	PC SL IN
4	PC SR IN
5	PC SR IN
6	PC SL IN
7	PC SL IN

JA3203 (to Sound Output)

1	GND
2	MONITOR SL OUT
3	MONITOR SL OUT
4	GND
5	MONITOR SR OUT
6	MONITOR SR OUT

CN2101 L (Sound Out)

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

OP3104 (Optical Jack)

1	VIN
2	VCC
3	GND

CN3110 NSIDE (to Video)

1	GND
2	VIDEO SL IN
3	VIDEO SR IN
4	GND
5	VIDEO SR IN
6	VIDEO SL IN
7	GND
8	VIDEO IDENT
9	VIDEO CVBS

CN3108 NSIDE (to S-Video)

1	GND
2	GND
3	GND
4	SVHS Y
5	SVHS C
6	SVHS IDENT
7	3.3V

JA3115 (to Service Jack)

1	GND
2	RX
3	TX
4	RX
5	RX
6	TX
7	TX

CN3111 NSIDE (to USB)

1	VCC
2	DM
3	DP
4	GND

CN3109 NSIDE (to Headphone)

1	GND
2	HP OUT L
3	HP OUT R
4	GND
5	GND
6	HP IDENT
7	GND
8	GND
9	HP IDENT
10	NC
11	NC

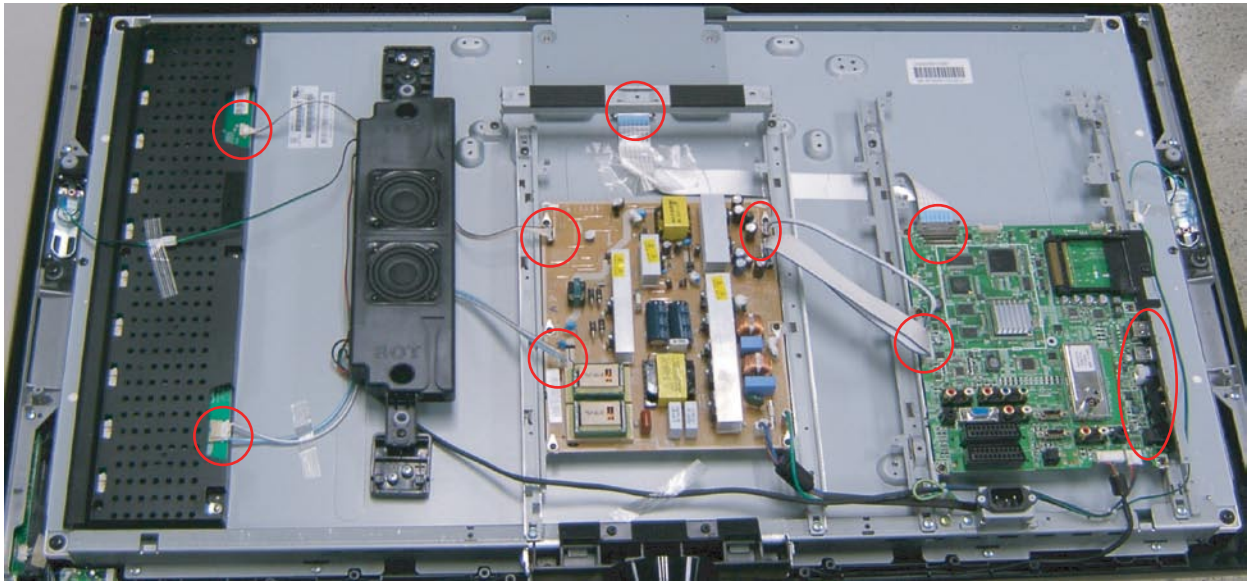
CN3201 (to Function)

1	IR
2	GND
3	AS.3V
4	MSCL 3V
5	Buzzer
6	Key Input1
7	Key Input2
8	MSDA 3V
9	MSDA 3V
10	LED_CNTR

CN3115 SIDE (to Side AV)

1	B3.3VD	22	HDMI HOT PLUG
2	B1.8V SIDE	23	IDENT HDMI3
3	USB 5V	24	HDMI3 HPD_SINK
4	HP OUT L	25	HDMI3_DDC_SDA
5	HP OUT R	26	HDMI3_DDC_SCL
6	IDENT HP	27	GND
7	SIDE AV SL IN	28	HDMI CEC
8	SIDE AV SR IN	29	GND
9	GND	30	HDMI3_RXCLK-
10	AV CVBS	31	HDMI3_RXCLK+
11	IDENT SIDE AV	32	GND
12	GND	33	HDMI3_RX0-
13	AV SIDE C	34	HDMI3_RX0+
14	GND	35	GND
15	AV SIDE Y	36	HDMI3_RX1-
16	IDENT SIDE SVHS	37	HDMI3_RX1+
17	GND	38	GND
18	USB DM	39	HDMI3_RX2-
19	USB DP	40	HDMI3_RX2+
20	GND	41	GND
21	DDC WP		

## 6-2. Wiring Picture

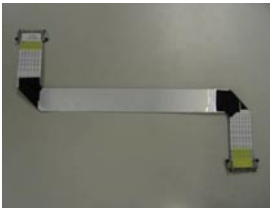



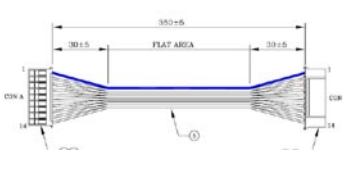
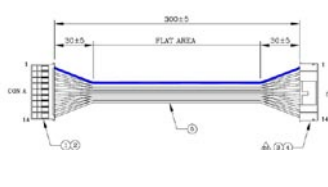
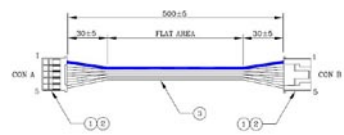
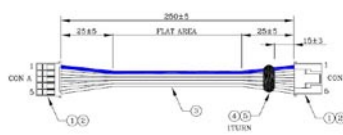
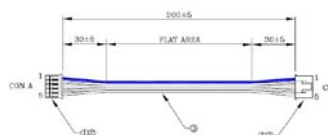
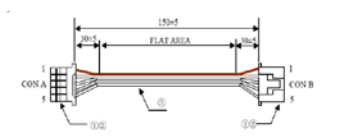
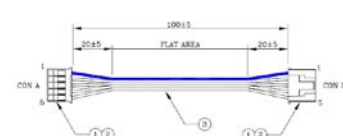
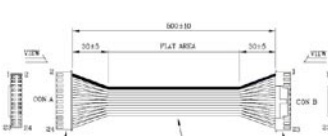
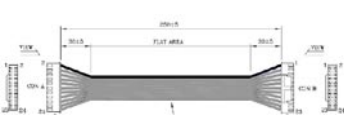
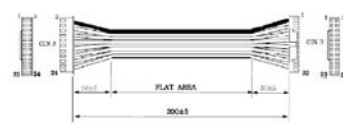
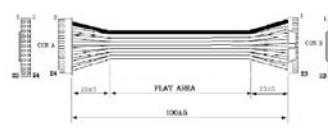




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### 6-3. Connector Functions

Connector	Functions
Panel <-> CN6105_51P CN6103_41P	The LVDS signal transfered Panel to Main Board. * defective symptom : No picture but normal sound
IP, SMPS <-> CN6104	Supply dimming power from IP,SMPS to Main Board. * defective symptom : No picture, repeat power On/Off
IP, SMPS <-> CN101	Supply main power from IP,SMPS to Main Board. * defective symptom : No picture, disable Power On/Off
IP, SMPS <-> Panel Driver	Supply power and signal from IP, SMPS to Panel Driver. * defective symptom : No picture but normal sound
CN3115_SIDE <-> CN105	The signal transfered from Main Board to Side-AV, HDMI, S-Video, USB, Headphone * defective symptom : cannot any functions of SIDE Jack

## 6-4. Cables

Code	BN96-07161K (LVDS_46inch)	BN96-07161L (LVDS_52inch)	BN96-07518A (LVDS_32inch)
Photo			
Code	BN96-07161J (LVDS_40inch)	BN39-00886A (14P_37inch)	BN39-00849C (14P_32inch)
Photo			
Code	BH39-00362D (5P_52inch)	BN39-00789A (5P_46inch)	BN39-00674A (5P_40inch)
Photo			
Code	BH39-00362B (5P_37inch)	BH39-00362G (5P_32inch)	BN39-00802Q (24P_52 inch)
Photo			
Code	BN39-00802G (24P_46 inch)	BN39-00802F (24P_37,40 inch)	BN39-00802A (24P_32inch)
Photo			
Code	BN39-00948E (Side HDMI Cable_350mm)	BN96-05167A (Side AV_350mm)	
Photo			

## Memo