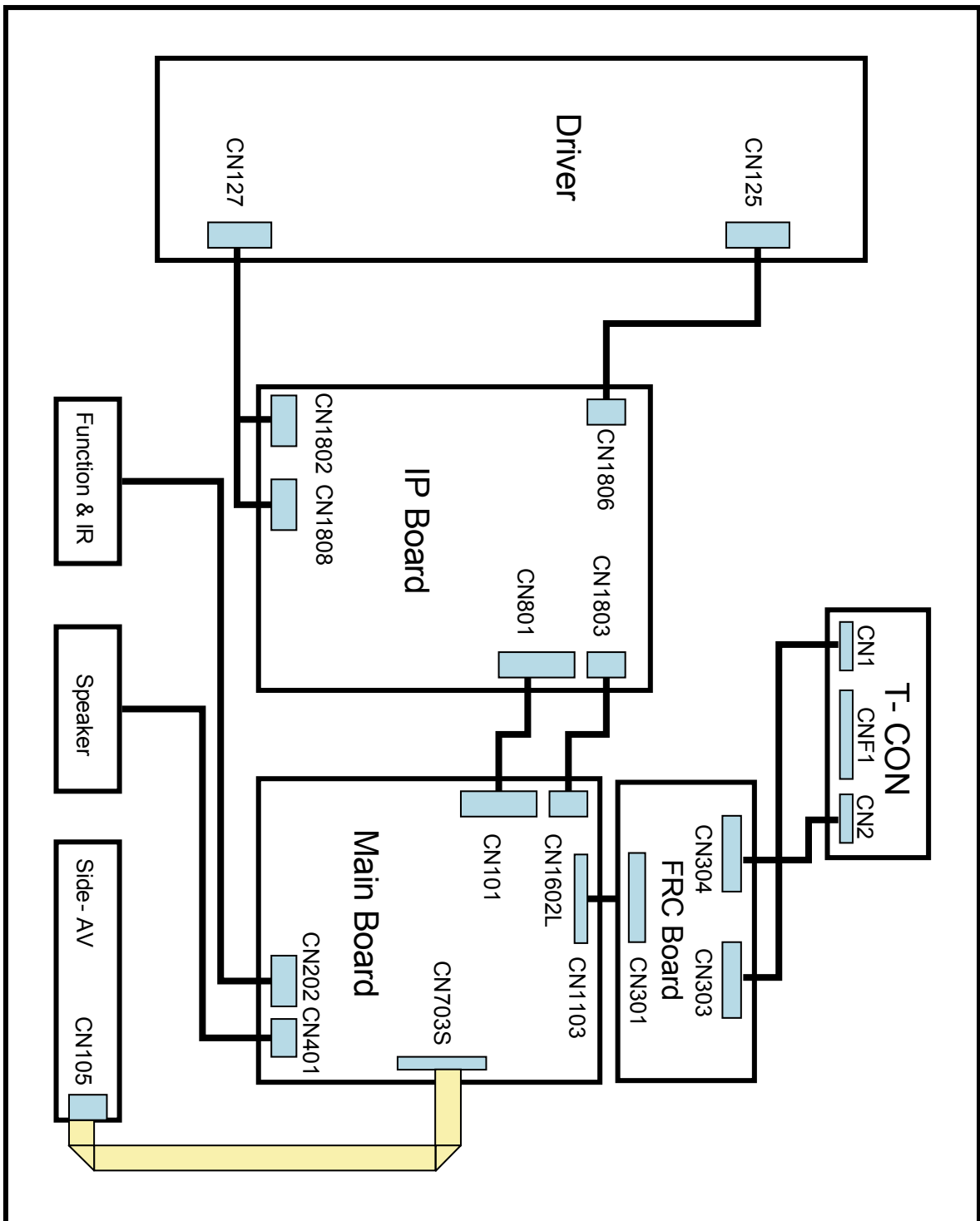


6. Wiring Diagram

6-1. Wiring Diagram



6. Wiring Diagram

CN1030to Panel)

1	12V	22	NC
2	12V	23	RE10I
3	12V	24	RE10+
4	12V	25	RE11-
5	12V	26	RE11+
6	GND	27	RE12-
7	GND	28	RE12+
8	GND	29	RE12K+
9	RO10-	30	RE12K+
10	RO10+	31	RE13-
11	RO11-	32	RE13+
12	RO11+	33	RE14-
13	RO12-	34	RE14+
14	RO12+	35	NC
15	RO12K+	36	NC
16	RO12K+	37	NC
17	RO13-	38	SOA
18	RO13+	39	WP
19	RO14-	40	LVDS_OPTION
20	RO14+	41	DDC_SEL
21	NC		

CN1802to Power Board)

1	SW_INVERTER
2	ANA_DIM
3	PMW_DIM
4	GND
5	SENSE_PMR

CN1010to Power Board)

1	NC	13	5V
2	SW_POWER	14	5V
3	GND	15	5V
4	STD_VCC	16	5V
5	GND	17	GND
6	GND	18	GND
7	18V	19	GND
8	18V	20	13V
9	GND	21	13V
10	GND	22	13V
11	GND	23	NC
12	GND	24	NC

J4601to DVI Stand)

1	GND
2	DVI_SR_IN
3	DVI_SL_IN
4	GND
5	DVI_SL_IN
6	DVI_SR_IN

J4601to Component1)

1	GND
2	COMP1_SR_IN
3	COMP1_SL_IN
4	GND
5	COMP1_SL_IN
6	COMP1_SR_IN

J4607to Component2)

1	GND
2	COMP2_SR_IN
3	COMP2_SL_IN
4	GND
5	COMP2_SL_IN
6	COMP2_SR_IN

J4601to Component1)

1	GND
2	COMP1_DEBNT
3	COMP1_Y
4	GND
5	COMP1_PB
6	GND
7	COMP1_PB
8	COMP1_PB
9	COMP1_PB
10	COMP1_PB

J4601to Component2)

1	GND
2	COMP2_DEBNT
3	COMP2_Y
4	GND
5	COMP2_PB
6	COMP2_PB
7	GND
8	COMP2_PB
9	COMP2_PB

J4601to HDMI1)

1	HDMI1_RX2+	12	HDMI1_RXCLK
2	HDMI1_RX2-	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	5V
8	GND	19	5V
9	HDMI1_RX0-	20	GND
10	HDMI1_RXCLK+	21	GND

J4603to 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	5V
8	GND	19	5V
9	HDMI2_RX0-	20	GND
10	HDMI2_RXCLK+	21	GND
11	GND		

J4601to HDMI3)

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

CN1100to PC)

1	PC_RED	9	5V
2	PC_GREEN	10	PC_DEBNT
3	PC_BLUE	11	GND
4	GND	12	EMU_SDA
5	GND	13	PC_HS_MICOM
6	GND	14	PC_VS_SVP
7	GND	15	EMU_SCL
8	GND		

J4601to P.C Stand)

1	GND
2	PC_SR_IN
3	PC_SL_IN
4	PC_SL_IN
5	PC_SL_IN
6	PC_SR_IN
7	PC_SR_IN

J4601to Sound Output)

1	GND
2	MONITOR_SL_OUT
3	MONITOR_SL_OUT
4	GND
5	MONITOR_SR_OUT
6	MONITOR_SR_OUT

CN401to Speaker)

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

OP401to Optical Jack)

1	LVN
2	VCC
3	GND

J4602to Video1)

1	GND
2	VIDEO1_DEBNT
3	VIDEO1_CVBS
4	GND
5	VIDEO1_SR_IN
6	VIDEO1_SL_IN
7	GND
8	VIDEO1_SL_IN
9	VIDEO1_SR_IN

J4601to Service Jack)

1	R2IN
2	R2IN
3	T2OUT
4	T2OUT
5	T2OUT
6	R2IN
7	R2IN

CN704to USB)

1	USB_VCC
2	USB2_DM
3	USB2_DP
4	GND

J4602to Headphone)

1	GND
2	HP_OUT_L
3	HP_OUT_R
4	NC
5	HP_IDBNT
6	GND
7	NC
8	HP_IDBNT
9	GND
10	NC
11	NC

CN701to Video2)

1	GND
2	VIDEO2_DEBNT
3	VIDEO2_CVBS
4	GND
5	VIDEO2_SR_IN
6	VIDEO2_SL_IN
7	GND
8	VIDEO2_SL_IN
9	VIDEO2_SR_IN

CN702to S-Video2)

1	GND
2	GND
3	GND
4	SVHS2_C
5	SVHS2_Y
6	NC
7	GND
8	SVHS2_IDBNT
9	NC
10	GND
11	SVHS2_IDBNT

CN202to Function1)

1	IR	6	KEY_INPU1T
2	GND	7	KEY_INPU2T
3	5V	8	GND
4	LED_STB	9	5V
5	Buzzer	10	LED_CTRL

CN703to Side AV)

1	3.3V	22	HDMI3_DEBNT
2	1.8V	23	HDMI3_DEBNT
3	USB_VCC	24	HDMI3_HP_SINK
4	HP_OUT_L	25	HDMI3_DDC_SDA
5	HP_OUT_R	26	HDMI3_DDC_SCL
6	HP_IDBNT	27	GND
7	VIDEO2_SL_IN	28	HDMI3_CEC
8	VIDEO2_SR_IN	29	GND
9	GND	30	HDMI3_RXCLK+
10	VIDEO2_CVBS	31	HDMI3_RXCLK+
11	VIDEO2_DEBNT	32	GND
12	GND	33	HDMI3_RX0-
13	SVHS2_C	34	HDMI3_RX0+
14	GND	35	GND
15	SVHS2_Y	36	HDMI3_RX1-
16	SVHS2_DEBNT	37	HDMI3_RX1+
17	GND	38	GND
18	USB2_DM	39	HDMI3_RX2-
19	USB2_DP	40	HDMI3_RX2+
20	GND	41	GND
21	DDC_WP		

CN1103to HPC)

1	12V	22	GND
2	12V	23	PI_EVEN_RININ
3	12V	24	PI_EVEN_RINIP
4	12V	25	PI_EVEN_RININ
5	GND	26	PI_EVEN_RINIP
6	GND	27	PI_EVEN_RININ
7	GND	28	PI_EVEN_RINIP
8	GND	29	PI_EVEN_RININ
9	PI_ODD_RININ	30	PI_EVEN_RINCLKP
10	PI_ODD_RINIP	31	PI_EVEN_RINCLKP
11	PI_ODD_RININ	32	PI_EVEN_RININ
12	PI_ODD_RINIP	33	PI_EVEN_RININ
13	PI_ODD_RININ	34	PI_EVEN_RINIP
14	PI_ODD_RINIP	35	GND
15	PI_ODD_RINCLKN	36	PI_ARNEST_1
16	PI_ODD_RINCLKP	37	IPC_SDA
17	PI_ODD_RININ	38	IPC_SDA
18	PI_ODD_RINIP	39	GND
19	PI_ODD_RININ	40	LVDS_FORMAT
20	PI_ODD_RINIP	41	SW_PVCC
21	GND		

CN330to Panel)

1	GND	22	PO_TX1_T0N
2	GND	23	GND
3	PO_TX2_T0P	24	PO_TX1_T0CLKP
4	PO_TX2_T0P	25	PO_TX1_T0CLKN
5	PO_TX2_T0P	26	GND
6	PO_TX2_T0P	27	PO_TX1_T0P
7	PO_TX2_T0N	28	PO_TX1_T0N
8	GND	29	PO_TX1_T0P
9	PO_TX2_T0CLKP	30	PO_TX1_T0N
10	PO_TX2_T0CLKN	31	PO_TX1_T0N
11	GND	32	GND
12	PO_TX2_T0N	33	GND
13	PO_TX2_T0N	34	GND
14	PO_TX2_T0P	35	GND
15	PO_TX2_T0P	36	GND
16	PO_TX2_T0N	37	PANEL_VCC
17	PO_TX2_T0N	38	PANEL_VCC
18	GND	39	PANEL_VCC
19	PO_TX2_T0P	40	PANEL_VCC
20	PO_TX2_T0P	41	PANEL_VCC
21	PO_TX2_T0P		






CN304to Panel)

1	NC	26	PO_TX4_TAP
2	NC	27	PO_TX4_TAN
3	NC	28	GND
4	NC	29	PO_TX3_T0P
5	NC	30	PO_TX3_T0N
6	NC	31	PO_TX3_T0P
7	LVDS_FORMAT	32	PO_TX3_T0N
8	NC	33	GND
9	NC	34	PO_TX3_T0CLKP
10	3.3V	35	PO_TX3_T0CLKN
11	NC	36	GND
12	NC	37	PO_TX3_T0P
13	GND	38	PO_TX3_T0N
14	PO_TX4_T0P	39	PO_TX3_T0P
15	PO_TX4_T0P	40	PO_TX3_T0N
16	PO_TX4_T0P	41	PO_TX3_T0P
17	PO_TX4_T0N	42	PO_TX3_T0N
18	GND	43	GND
19	PO_TX4_T0CLKP	44	GND
20	PO_TX4_T0CLKN	45	GND
21	GND	46	GND
22	PO_TX4_T0P	47	PANEL_VCC
23	PO_TX4_T0P	48	PANEL_VCC
24	PO_TX4_T0P	49	PANEL_VCC
25	PO_TX4_T0N	50	PANEL_VCC
		51	PANEL_VCC

6-2. Connector Functions

Connector	Functions
CN303 <-> CN1 (FRCM: CN506 <->CN1)	The LVDS signal transfered from FRC Board to Panel(41pin).
CN304 <-> CN2 (FRCM: CN505 <->CN2)	The LVDS signal transfered from FRC Board to Panel(51pin).
CN1103 <-> CN301(FRCM: CN502 <->CN301)	The LVDS signal transfered from Main Board to FRC Board.
CN101 <-> CN801	Supply main power from IP board to Main Board.
CN1602L <-> CN1803	Supply dimming power from IP board to Main Board.
CN1806 <-> CN125	Supply power and signal from IP board to Panel Driver.
CN703S <-> CN105	The signal transfered from Main Board to Side-AV.
CN1808 <-> CN127	Supply power from IP board to Driver Board(left).

6-3. Cables

Use			
Code	BN39-00958A	BN39-00802B	BH39-00362B
Photo			
Use			
Code	BN39-00829A	BN96-05164A	BN39-00716F
Photo			
Use			
Code	BN39-00961A(41P 300mm) FRCM: BN39-00987A (41p 400mm)	BN39-00957B (51P 250mm) FRCM: BN39-00985A (51p 400mm)	
Photo			

Memo