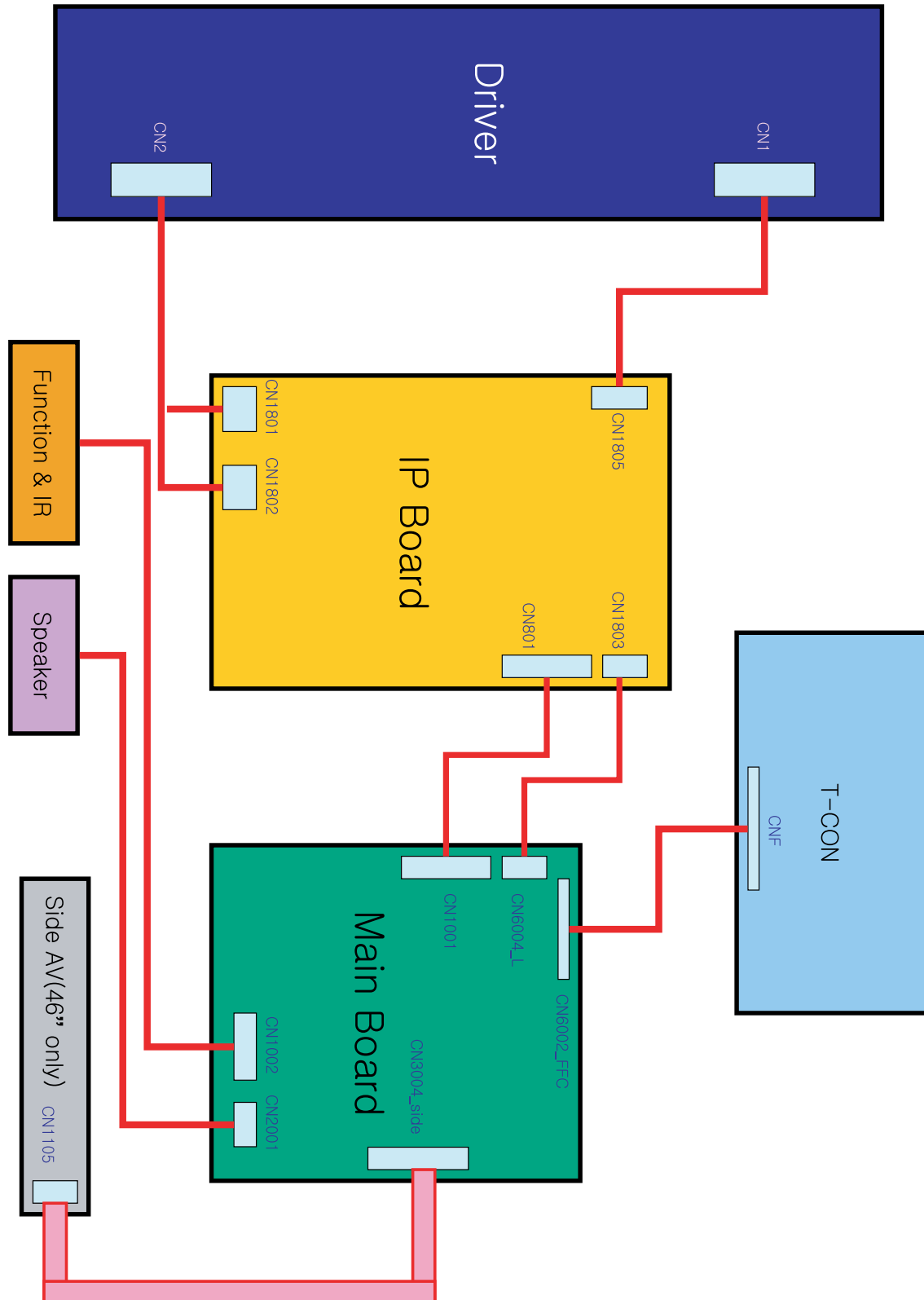


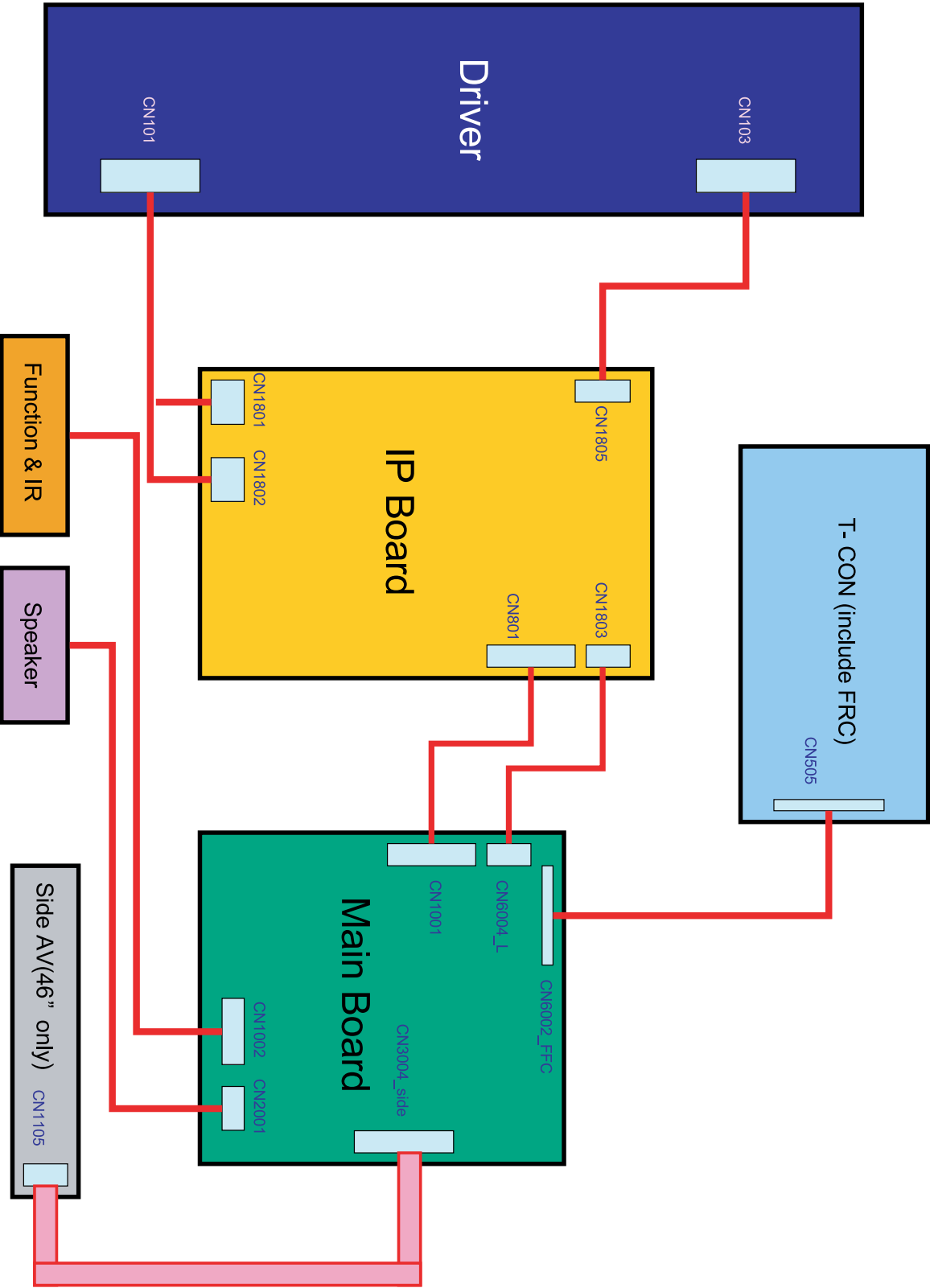
6. Wiring Diagram

6-1. Wiring Diagram

6-1-1. LA32A550P1R / LA32A550P1R / LA32A550P1R / LA32A550P1R



6-1-2. LA40A650A1R / LA46A650A1R / LA52A650A1R



CN3002_PFC (to panel)		
1	13	RxET-
2	27	RxET+
3	28	ANA_GND
4	29	PWM_DIM
5	30	RxET+
6	31	GND
7	32	RxCLK+
8	33	RxCLK+
9	34	GND
10	35	RxET+
11	36	RxET+
12	37	RxET+
13	38	RxET+
14	40	SCL
15	41	SDA
16	42	NC
17	43	NC
18	44	I ₂ C SYNC OUT
19	45	GND
20	46	NC
21	47	NC
22	48	NC
23	49	NC
24	50	NC
25	51	NC
26	51	NC

CN3004_L (to Power Board)		
1	27	SW_INVFRTFR
2	28	ANA_GND
3	29	PWM_DIM
4	30	RxET+
5	31	GND
6	32	RxCLK+
7	33	RxCLK+
8	34	GND
9	35	RxET+
10	36	RxET+
11	37	RxET+
12	38	RxET+
13	39	GND
14	40	SCL
15	41	SDA
16	42	NC
17	43	NC
18	44	I ₂ C SYNC OUT
19	45	GND
20	46	NC
21	47	NC
22	48	NC
23	49	NC
24	50	NC
25	51	NC
26	51	NC

CN1001 (to Power Board)		
1	13	SV
2	14	SV
3	15	SV
4	16	SV
5	17	GND
6	18	GND
7	19	GND
8	20	12V
9	21	12V
10	22	12V
11	23	NC
12	24	NC

JA3002 (to DVI Sound)		
1	GND	
2	DVI_SR_IN	
3	DVI_SL_IN	
4	GND	
5	DVI_SR_IN	
6	DVI_SL_IN	
7	DVI_SR_IN	
8	DVI_SL_IN	
9	DVI_SR_IN	
10	DVI_SL_IN	
11	DVI_SR_IN	
12	DVI_SL_IN	
13	DVI_SR_IN	
14	DVI_SL_IN	
15	DVI_SR_IN	

JA3013_NIT (to Component1)		
1	GND	
2	COMP1_IDENT	
3	COMP1_Y	
4	GND	
5	COMP1_PB	
6	COMP1_PB	
7	GND	
8	COMP1_PR	
9	COMP1_PR	
10	GND	
11	COMP1_SR_IN	
12	COMP1_SL_IN	
13	GND	
14	COMP1_SR_IN	
15	COMP1_SL_IN	

JA3016_NIT (to Component2)		
1	GND	
2	COMP2_IDENT	
3	COMP2_Y	
4	GND	
5	COMP2_PB	
6	COMP2_PB	
7	GND	
8	COMP2_PR	
9	COMP2_PR	
10	GND	
11	COMP2_SR_IN	
12	COMP2_SL_IN	
13	GND	
14	COMP2_SR_IN	
15	COMP2_SL_IN	

JA3001 (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	SV
8	GND	19	SV
9	HDMI1_RX0-	20	GND
10	HDMI1_RXCLK+	21	GND
11	GND		

JA3003 (to HDMI2)			
1	HDMI2_RX2+	12	HDMI_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_RX2+	18	5V
8	GND	19	5V
9	HDMI2_RX2-	20	GND
10	HDMI2_RXCLK+	21	GND
11	GND		

JA3005_AHMT (to HDMI3/CAMBER only)			
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_RX2+	18	SV
8	GND	19	SV
9	HDMI3_RX2+	20	GND
10	HDMI3_RXCLK+	21	GND
11	GND		

CN3003_NSIDE (to HDMI4)			
1	HDMI4_RX2+	12	HDMI4_RXCLK-
2	GND	13	NC
3	HDMI4_RX2+	14	NC
4	HDMI4_RX1+	15	HDMI4_DDC_SCL
5	GND	16	HDMI4_DDC_SDA
6	HDMI4_RX1+	17	GND
7	HDMI4_RX2+	18	5V
8	GND	19	5V
9	HDMI4_RX2+	20	GND
10	HDMI4_RXCLK+	21	GND
11	GND		

CN3009 (to PC)			
1	PC_RED	9	5V
2	PC_GREEN	10	PC_IDENT
3	PC_BLUE	11	GND
4	GND	12	SDA_D
5	GND	13	PC_H_SYNC
6	PC_RED_GND	14	PC_V_SYNC
7	PC_GREEN_GND	15	SCL_D
8	PC_BLUE_GND		

CN3001 (to PC sound)		
1	GND	
2	PC_SR_IN	
3	PC_SL_IN	
4	PC_SR_IN	
5	PC_SL_IN	
6	PC_SR_IN	
7	PC_SL_IN	

CN3001 (to Speaker)		
1	R+	
2	R-	
3	L+	
4	L-	

JA3019_NIT (to AV1)		
1	GND	
2	AV1_IDENT	
3	AV1_CUS	
4	GND	
5	AV1_SR_IN	
6	AV1_SL_IN	
7	GND	
8	AV1_SR_IN	
9	AV1_SL_IN	

CN3006_NSIDE (to S-video1)		
1	GND	
2	GND	
3	AV2_SIDE_Y	
4	AV2_SIDE_C	
5	AV2_SIDE_C	
6	IDENT_SIDE_SVHS	

CN3007_NSIDE (to AV2)		
1	GND	
2	IDENT_SIDE_AV	
3	AV2_CUS	
4	GND	
5	SIDE_AV_SR_IN	
6	SIDE_AV_SL_IN	
7	GND	
8	SIDE_AV_SR_IN	
9	SIDE_AV_SL_IN	

CN3011_NSIDE (to USB)		
1	USB_VCC	
2	USB2_DMO	
3	USB2_DPO	
4	GND	

JA3004 (to Service Jbed)		
1	GND	
2	SERVICE_ANY_RX	
3	SERVICE_ANY_TX	
4	SERVICE_ANY_RX	
5	SERVICE_ANY_TX	
6	SERVICE_ANY_TX	
7	SERVICE_ANY_TX	

CN3008_NSIDE (to Headphone)		
1	GND	
2	HP_OUT_L	
3	HP_OUT_R	
4	GND	
5	IDENT_HP	
6	GND	
7	IDENT_HP	
8	GND	
9	IDENT_HP	
10	NC	
11	NC	

CN1002 (to IR)			
1	IR	6	KEY_INPUJT_TILT
2	GND	7	KEY_INPUJT_TILT
3	5V	8	5V
4	LED_RED_LED	9	5V
5	BUZZER_LED	10	LED_CNTR

CN3004 (MSIDE to HDMI)			
1	3.3V	22	HDMI_SV_D
2	1.8V	23	HDMI_HDMI_D
3	USB_VCC	24	HDMI_HDMI_SINK
4	HP_OUT_L	25	HDMI_DDC_SDA
5	HP_OUT_R	26	HDMI_DDC_SCL
6	HP_IDENT	27	HDMI_GND
7	SIDE_AV_SIN	28	HDMI_GND
8	SIDE_AV_SIN_IN	29	HDMI_GND
9	AV2_GND	30	HDMI_RXCLK+
10	AV2_GND	31	HDMI_RXCLK+
11	IDENT_SIDE_AV	32	HDMI_RXD-
12	GND	33	HDMI_RXD-
13	AV_SIE_C	34	HDMI_RXD+
14	AV_SIE_C	35	GND
15	AV_SIE_V	36	HDMI_RX+
16	IDENT_SIDE_SINK	37	HDMI_RX+
17	GND	38	GND
18	USB2_DMS	39	HDMI4_RX2-
19	USB2_DPDS	40	HDMI4_RX2+
20	GND	41	GND
21	DDC_WP		

CN3002_NSIDE (to optical Jack)		
1	NC	
2	VCC	
3	GND	

6-2. Connector Functions

6-2-1. PEARL (L550)

Connector	Functions
CN1 <-> CN1805	Supply power and signal from IP Board to Panel Driver.
CN2 <-> CN1801,CN1802	Supply power from IP Board to Panel Driver.
CN1803 <-> CN6004_L	Supply dimming power from IP Board to MainBoard.
CN801 <-> CN1001	Supply main power from IP Board to MainBoard.
CNF <-> CN6002_FFC	The LVDS signal trasfered from MainBoard to Panel(T-Con).
CN3004_Side <-> CN1105 (Only 46 Inch)	The signal transfered from MainBoard to Side_AV.

6-2-2. AMBER (L650)

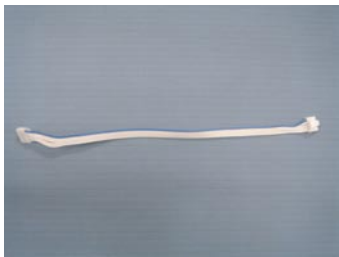


Connector	Functions
CN103 <-> CN1805	Supply power and signal from IP Board to Panel Driver.
CN101 <-> CN1801,CN1802	Supply power from IP Board to Panel Driver.
CN1803 <-> CN6004_L	Supply dimming power from IP Board to MainBoard.
CN801 <-> CN1001	Supply main power from IP Board to MainBoard.
CN505 <-> CN6002_FFC	The LVDS signal trasfered from MainBoard to Panel(T-Con).
CN3004_Side (Only 46 Inch) <-> CN1105	The signal transfered from MainBoard to Side_AV.

6-3. Cables

6-3-1. LA46A550P1R cables

Code	BN39-00674A (Dimming 5P)	BN39-00802F (Power 24P)	BN39-00830A (Feed Back 7P)
Photo			
Code	BN39-01020A (Inverter 2P)	BN39-01024A (Inverter 2P)	BN96-06678A (Side AV Cable Only 46")
Photo			
Code	BN96-07161E (LVDS Cable)		
Photo			

6-3-2. LA40A650A1R cables

Code	BN39-00674A (Dimming 5P)	BN39-00802F (Power 24P)	BN39-0830C (Feed Back 7P)
Photo			
Code	BN39-01024A (Inverter 2P)	BN96-06678A (Side AV Cable Only 46")	BN96-07161Q (LVDS Cable)
Photo		