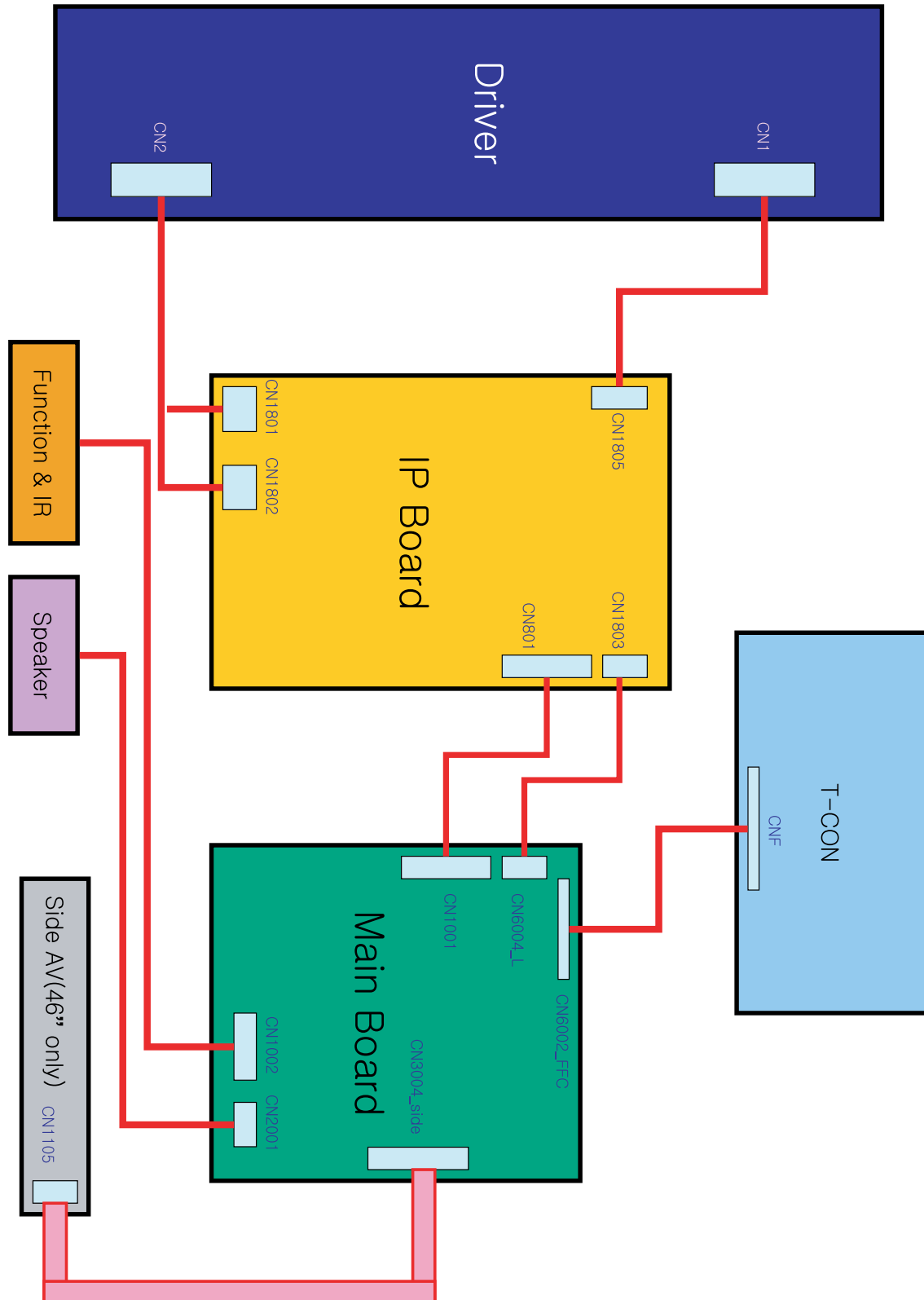


6. Wiring Diagram

6-1. Wiring Diagram

6-1-1. LN32A550P3R / LN40A550P3R / LN46A550P3R



CN3002 (PC to panel)		
1	13	Rx1-
2	27	Rx1+
3	28	ANA_GND
4	29	PWM_DIM
5	30	Rx2+
6	31	GND
7	32	Rx2-
8	33	Rx2+
9	34	GND
10	35	Rx2-
11	36	Rx2+
12	37	Rx2+
13	38	Rx2+
14	39	SCL
15	40	SDA
16	41	NC
17	42	NC
18	43	NC
19	44	I ₂ C SYNC OUT
20	45	GND
21	46	NC
22	47	NC
23	48	NC
24	49	NC
25	50	NC
26	51	NC

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

CN3004 (to Power Board)		
1	27	SW_INVERTER
2	28	ANA_GND
3	29	PWM_DIM
4	30	Rx2+
5	31	GND
6	32	Rx2-
7	33	Rx2+
8	34	GND
9	35	Rx2-
10	36	Rx2+
11	37	Rx2+
12	38	Rx2+
13	39	SCL
14	40	SDA
15	41	NC
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

CN3003 (to DM11)		
1	12	DM11_RX2+
2	13	DM11_RX2-
3	14	DM11_RX2+
4	15	DM11_RX2-
5	16	DM11_RX2+
6	17	DM11_RX2-
7	18	DM11_RX2+
8	19	DM11_RX2-
9	20	DM11_RX2+
10	21	DM11_RX2-
11	22	DM11_RX2+
12	23	DM11_RX2-
13	24	DM11_RX2+
14	25	DM11_RX2-
15	26	DM11_RX2+
16	27	DM11_RX2-
17	28	DM11_RX2+
18	29	DM11_RX2-
19	30	DM11_RX2+
20	31	DM11_RX2-
21	32	DM11_RX2+
22	33	DM11_RX2-
23	34	DM11_RX2+
24	35	DM11_RX2-
25	36	DM11_RX2+
26	37	DM11_RX2-
27	38	DM11_RX2+
28	39	DM11_RX2-
29	40	DM11_RX2+
30	41	DM11_RX2-
31	42	DM11_RX2+
32	43	DM11_RX2-
33	44	DM11_RX2+
34	45	DM11_RX2-
35	46	DM11_RX2+
36	47	DM11_RX2-
37	48	DM11_RX2+
38	49	DM11_RX2-
39	50	DM11_RX2+
40	51	DM11_RX2-

CN3005 (4MM to HDMI3/CAMER only)		
1	12	HDMI3_RX2+
2	13	HDMI3_RX2-
3	14	HDMI3_RX2+
4	15	HDMI3_RX2-
5	16	HDMI3_RX2+
6	17	HDMI3_RX2-
7	18	HDMI3_RX2+
8	19	HDMI3_RX2-
9	20	HDMI3_RX2+
10	21	HDMI3_RX2-
11	22	HDMI3_RX2+
12	23	HDMI3_RX2-
13	24	HDMI3_RX2+
14	25	HDMI3_RX2-
15	26	HDMI3_RX2+
16	27	HDMI3_RX2-
17	28	HDMI3_RX2+
18	29	HDMI3_RX2-
19	30	HDMI3_RX2+
20	31	HDMI3_RX2-
21	32	HDMI3_RX2+
22	33	HDMI3_RX2-
23	34	HDMI3_RX2+
24	35	HDMI3_RX2-
25	36	HDMI3_RX2+
26	37	HDMI3_RX2-
27	38	HDMI3_RX2+
28	39	HDMI3_RX2-
29	40	HDMI3_RX2+
30	41	HDMI3_RX2-
31	42	HDMI3_RX2+
32	43	HDMI3_RX2-
33	44	HDMI3_RX2+
34	45	HDMI3_RX2-
35	46	HDMI3_RX2+
36	47	HDMI3_RX2-
37	48	HDMI3_RX2+
38	49	HDMI3_RX2-
39	50	HDMI3_RX2+
40	51	HDMI3_RX2-


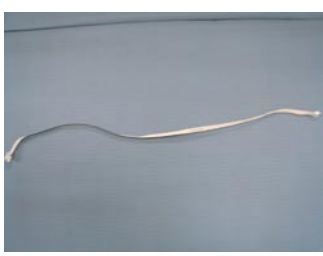
CN3006 (to PC)		
1	PC_RED	9 5V
2	PC_GREEN	10 PC_IDENT
3	PC_BLUE	11 GND
4	GND	12 SDA_D
5	GND	13 PC_H_SYNC
6	PC_RED_GND	14 PC_V_SYNC
7	PC_GRN_GND	15 SCL_D
8	PC_BLU_GND	

6-2. Connector Functions

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.

6-3. Cables

6-3-1. LN46A550P3R 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			