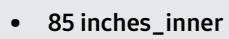


- 85 inche_ Wiring Diagram

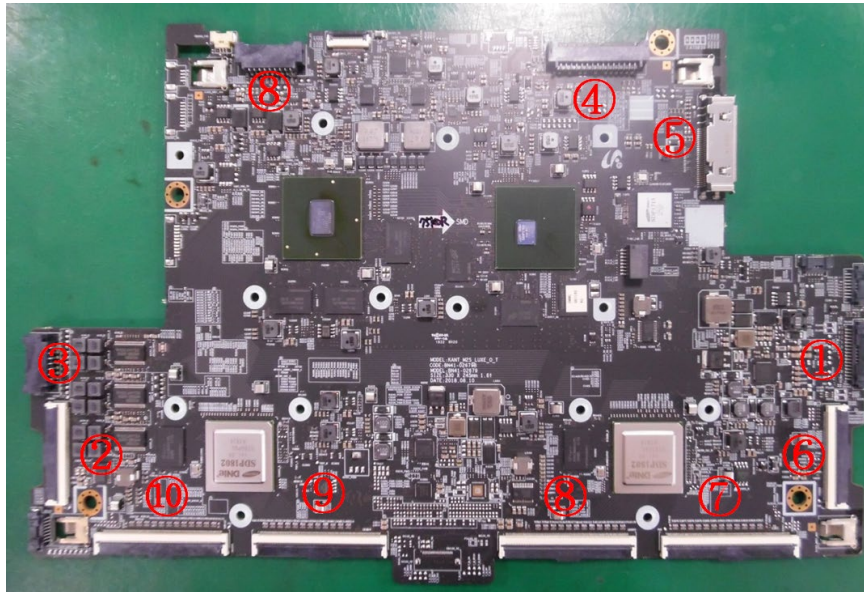


■ Cable Information

Part Name & Connection		Part Spec		Code No.	
①	LEAD CONNECTOR-POWER Main - LD/SMPS A		26P/L400	65"	BN39-02403C
				75"	BN39-02403C
②	LEAD CONNECTOR-DIMMING Main - LD/SMPS B		16P/300mm	65"	BN39-02309C
				75"	BN39-02401A
③	FFC CABLE Main - Source		96P/L115	65"	BN96-46132A
				75"	BN96-46132A
④	LEAD CONNECTOR-SUB ASSY Main - WiFi		16P/200mm	65"	BN39-02211A
				75"	BN39-02211A
⑤	LEAD CONNECTOR-SUB ASSY Main - FUNCTION		8P/150mm	65"	BN39-02223D
				75"	BN39-02223D
⑥	LEAD CONNECTOR-DIMMING LD/SMPS A - LD/SMPS B		16P/L800	65"	BN39-02397A
				75"	BN39-02397A
⑦	LEAD CONNECTOR-POWER LD/SMPS A - LD/SMPS B		26P/L750	65"	BN39-02405B
			26P/L850	75"	BN39-02405C
⑧	LEAD CONNECTOR-POWER OC Main-OC Power		20P/L120	65"	BN39-02409A
				75"	BN39-02409A

5-2. Connector

5-2-1. Main Board



■ Main Board Pin Map

1 CN1403 (BT/WIFI)			
1	BT_NRESET	2	BT_POWER_DET
3	BT_WAKE	4	GND
5	D-_USB_BT	6	D+_USB_BT
7	GND	8	BT_WELCOME
9	WIFI_PHY_ON	10	GND
11	D+_USB_WIFI	12	D-_USB_WIFI
13	GND	14	A5V_PW
15	WIFI_WOW	16	WIFI_NRESET

2 ACN01_B (SPEAKER)			
1	TWT_R+	2	TWT_R-
3	MID_R+	4	MID_R-
5	WF_R+	6	WF_R-
7	TWT_L+	8	TWT_L-
9	MID_L+	10	MID_L-
11	WF_L+	12	WF_L-
13	N.C	14	N.C

3 CN1501 (FUNCTION/IR)			
1	IR	2	IR_GND
3	A3.3V_PW	4	SENSOR_SCL_I2C
5	SENSOR_SDA_I2C	6	KEY_INPUT1
7	KEY_INPUT2	8	LED_STB_OUT

4 CN201 (Power)			
1	B_GND	2	B_GND
3	B_GND	4	B_GND
5	N.C.	6	N.C.
7	A_B350V	8	A_B350V
9	N.C.	10	N.C.
11	B_B350V	12	B_B350V
13	N.C.	14	N.C.
15	GND	16	GND
17	GND	18	GND
19	VAMP	20	B13V
21	VAMP	22	B13V
23	VAMP	24	B13V
25	GND	26	GND
27	GND	28	GND
29	GND	30	GND

5 CN200 (ONE CONNECT)

1	Reserved	2	Serdes Rx L1 GND(Data)
3	Rx L1-(Data)	4	Rx L1+(Data)
5	Tx L1 GND(Data)	6	Tx L1+(Data)
7	Tx L1-(Data)	8	HDMI TMDS CLK GND(Video)
9	CLK-(Video)	10	CLK+(Video)
11	D0 GND(Video)	12	D0-(Video)
13	D0+(Video)	14	D1 GND(Video)
15	D1-(Video)	16	D1 +(Video)
17	D2 GND(Video)	18	D2-(Video)
19	D2+(Video)	20	ACT
21	Cable Detect	22	A3.3V
23	I.Mon	24	Signal Detect
25	Power13V+	26	Power 350V1-
27	Power 350V2-	28	Power 350V3-
29	Power 350V1+	30	Power 350V2+
31	Power 350V3+		

6 CN3801 (USIT)

1	FB_TRDY_6	18	VCC_1.9V_M_PW	35	LC1_GOA	52	CKV15_GOA
2	N.C.	19	VCC_1.9V_M_PW	36	LC2_GOA	53	CKV16_GOA
3	AVDD_O_17V_PW	20	VCC_1.9V_M_PW	37	N.C.	54	GND
4	AVDD_O_17V_PW	21	N.C.	38	CKV1_GOA	55	VOFF_-11V_PW
5	AVDD_O_17V_PW	22	VCOM1_CELL	39	CKV2_GOA	56	VOFF_-11V_PW
6	AVDD_O_17V_PW	23	V1_OC	40	CKV3_GOA	57	VOFF_-11V_PW
7	AVDD_O_17V_PW	24	V2_OC	41	CKV4_GOA	58	N.C.
8	AVDD_O_17V_PW	25	N.C.	42	CKV5_GOA	59	VSS_OUT1_CELL
9	AVDD_O_17V_PW	26	N.C.	43	CKV6_GOA	60	VSS_OUT1_CELL
10	AVDD_O_17V_PW	27	FB_VRD	44	CKV7_GOA	61	VSS_OUT1_CELL
11	UH_CELL	28	N.C.	45	CKV8_GOA	62	N.C.
12	UL_CELL	29	N.C.	46	CKV9_GOA	63	VGHD_30V_PW
13	HAVDD_8.5V_PW	30	STVP1_GOA	47	CKV10_GOA	64	SFC7
14	HAVDD_8.5V_PW	31	STVP2_GOA	48	CKV11_GOA	65	VGHD_30V_PW
15	HAVDD_8.5V_PW	32	GOA_RESET	49	CKV12_GOA	66	SFC8
16	LH_CELL	33	GND	50	CKV13_GOA	67	GND
17	LL_CELL	34	ASG_MON_R	51	CKV14_GOA	68	FB_TRDY_7

5. Wiring Diagram

7 CN3802 (USIT)							
1	FB_TRDY_5	25	GND	49	GND	73	GND
2	GND	26	TX_CH39_B+_USIT	50	TX_CH43_B+_USIT	74	TX_CH47_B+_USIT
3	SFC5	27	TX_CH39_B-_USIT	51	TX_CH43_B-_USIT	75	TX_CH47_B-_USIT
4	GND	28	GND	52	GND	76	GND
5	TX_CH36_A+_USIT	29	TX_CH40_A+_USIT	53	TX_CH44_A+_USIT	77	SFC6
6	TX_CH36_A-_USIT	30	TX_CH40_A-_USIT	54	TX_CH44_A-_USIT	78	GND
7	GND	31	GND	55	GND	79	T_M_D_HOLD_SPI
8	TX_CH36_B+_USIT	32	TX_CH40_B+_USIT	56	TX_CH44_B+_USIT	80	T_M_D_WP_SPI
9	TX_CH36_B-_USIT	33	TX_CH40_B-_USIT	57	TX_CH44_B-_USIT	81	T_M_D_MISO_SPI
10	GND	34	GND	58	GND	82	T_M_D_MOSI_SPI
11	TX_CH37_A+_USIT	35	TX_CH41_A+_USIT	59	TX_CH45_A+_USIT	83	T_M_D_CS_SPI
12	TX_CH37_A-_USIT	36	TX_CH41_A-_USIT	60	TX_CH45_A-_USIT	84	T_M_D_CK_SPI
13	GND	37	GND	61	GND	85	GND
14	TX_CH37_B+_USIT	38	TX_CH41_B+_USIT	62	TX_CH45_B+_USIT	86	N.C.
15	TX_CH37_B-_USIT	39	TX_CH41_B-_USIT	63	TX_CH45_B-_USIT	87	T_M_VCC_3.3V_PW
16	GND	40	GND	64	GND	88	PORTNUM
17	TX_CH38_A+_USIT	41	TX_CH42_A+_USIT	65	TX_CH46_A+_USIT	89	XON
18	TX_CH38_A-_USIT	42	TX_CH42_A-_USIT	66	TX_CH46_A-_USIT	90	VCOM1_CELL
19	GND	43	GND	67	GND	91	V1_OC
20	TX_CH38_B+_USIT	44	TX_CH42_B+_USIT	68	TX_CH46_B+_USIT	92	N.C.
21	TX_CH38_B-_USIT	45	TX_CH42_B-_USIT	69	TX_CH46_B-_USIT	93	N.C.
22	GND	46	GND	70	GND	94	N.C.
23	TX_CH39_A+_USIT	47	TX_CH43_A+_USIT	71	TX_CH47_A+_USIT	95	GND
24	TX_CH39_A-_USIT	48	TX_CH43_A-_USIT	72	TX_CH47_A-_USIT	96	FB_TRDY_6

8 CN3803 (USIT)							
1	FB_TRDY_4	25	TX_CH24_A-_USIT	49	TX_CH28_A-_USIT	73	TX_CH32_A-_USIT
2	GND	26	GND	50	GND	74	GND
3	AVDD_17V_PW	27	TX_CH24_B+_USIT	51	TX_CH28_B+_USIT	75	TX_CH32_B+_USIT
4	AVDD_17V_PW	28	TX_CH24_B-_USIT	52	TX_CH28_B-_USIT	76	TX_CH32_B-_USIT
5	AVDD_17V_PW	29	GND	53	GND	77	GND
6	AVDD_17V_PW	30	TX_CH25_A+_USIT	54	TX_CH29_A+_USIT	78	TX_CH33_A+_USIT
7	AVDD_17V_PW	31	TX_CH5_A-_USIT	55	TX_CH29_A-_USIT	79	TX_CH33_A-_USIT
8	AVDD_17V_PW	32	GND	56	GND	80	GND
9	AVDD_17V_PW	33	TX_CH25_B+_USIT	57	TX_CH29_B+_USIT	81	TX_CH33_B+_USIT
10	AVDD_17V_PW	34	TX_CH25_B-_USIT	58	TX_CH29_B-_USIT	82	TX_CH33_B-_USIT
11	UH_CELL	35	GND	59	GND	83	GND
12	UL_CELL	36	TX_CH26_A+_USIT	60	TX_CH30_A+_USIT	84	TX_CH34_A+_USIT
13	HAVDD_8.5V_PW	37	TX_CH26_A-_USIT	61	TX_CH30_A-_USIT	85	TX_CH34_A-_USIT
14	HAVDD_8.5V_PW	38	GND	62	GND	86	GND
15	HAVDD_8.5V_PW	39	TX_CH26_B+_USIT	63	TX_CH30_B+_USIT	87	TX_CH34_B+_USIT
16	LH_CELL	40	TX_CH26_B-_USIT	64	TX_CH30_B-_USIT	88	TX_CH34_B-_USIT
17	LL_CELL	41	GND	65	GND	89	GND
18	VCC_1.8V_M_PW	42	TX_CH27_A+_USIT	66	TX_CH31_A+_USIT	90	TX_CH35_A+_USIT
19	VCC_1.8V_M_PW	43	TX_CH27_A-_USIT	67	TX_CH31_A-_USIT	91	TX_CH35_A-_USIT
20	VCC_1.8V_M_PW	44	GND	68	GND	92	GND
21	N.C.	45	TX_CH27_B+_USIT	69	TX_CH31_B+_USIT	93	TX_CH35_B+_USIT
22	SRF_R	46	TX_CH27_B-_USIT	70	TX_CH31_B-_USIT	94	TX_CH35_B-_USIT
23	GND	47	GND	71	GND	95	GND
24	TX_CH24_A+_USIT	48	TX_CH28_A+_USIT	72	TX_CH32_A+_USIT	96	FB_TRDY_5

5. Wiring Diagram

9 CN3804 (USIT)							
1	FB_TRDY_3	25	TX_CH15_B-_USIT	49	TX_CH19_B-_USIT	73	TX_CH23_B-_USIT
2	GND	26	GND	50	GND	74	GND
3	TX_CH12_A+_USIT	27	TX_CH16_A+_USIT	51	TX_CH20_A+_USIT	75	SRF_L
4	TX_CH12_A-_USIT	28	TX_CH16_A-_USIT	52	TX_CH20_A-_USIT	76	N.C,
5	GND	29	GND	53	GND	77	VCC_1.8V_S_PW
6	TX_CH12_B+_USIT	30	TX_CH16_B+_USIT	54	TX_CH20_B+_USIT	78	VCC_1.8V_S_PW
7	TX_CH12_B-_USIT	31	TX_CH16_B-_USIT	55	TX_CH20_B-_USIT	79	VCC_1.8V_S_PW
8	GND	32	GND	56	GND	80	LL_CELL
9	TX_CH13_A+_USIT	33	TX_CH17_A+_USIT	57	TX_CH21_A+_USIT	81	LH_CELL
10	TX_CH13_A-_USIT	34	TX_CH17_A-_USIT	58	TX_CH21_A-_USIT	82	HAVDD_8.5V_PW
11	GND	35	GND	59	GND	83	HAVDD_8.5V_PW
12	TX_CH13_B+_USIT	36	TX_CH17_B+_USIT	60	TX_CH21_B+_USIT	84	HAVDD_8.5V_PW
13	TX_CH13_B-_USIT	37	TX_CH17_B-_USIT	61	TX_CH21_B-_USIT	85	UL_CELL
14	GND	38	GND	62	GND	86	LH_CELL
15	TX_CH14_A+_USIT	39	TX_CH18_A+_USIT	63	TX_CH22_A+_USIT	87	AVDD_17V_PW
16	TX_CH14_A-_USIT	40	TX_CH18_A-_USIT	64	TX_CH22_A-_USIT	88	AVDD_17V_PW
17	GND	41	GND	65	GND	89	AVDD_17V_PW
18	TX_CH14_B+_USIT	42	TX_CH18_B+_USIT	66	TX_CH22_B+_USIT	90	AVDD_17V_PW
19	TX_CH14_B-_USIT	43	TX_CH18_B-_USIT	67	TX_CH22_B-_USIT	91	AVDD_17V_PW
20	GND	44	GND	68	GND	92	AVDD_17V_PW
21	TX_CH15_A+_USIT	45	TX_CH19_A+_USIT	69	TX_CH23_A+_USIT	93	AVDD_17V_PW
22	TX_CH15_A-_USIT	46	TX_CH19_A-_USIT	70	TX_CH23_A-_USIT	94	AVDD_17V_PW
23	GND	47	GND	71	GND	95	N.C.
24	TX_CH15_B+_USIT	48	TX_CH19_B+_USIT	72	TX_CH23_B+_USIT	96	FB_TRDY_4

10 CN3805 (USIT)

1	FB_TRDY_2	25	TX_CH15_B-_USIT	49	TX_CH19_B-_USIT	73	TX_CH23_B-_USIT
2	GND	26	GND	50	GND	74	GND
3	N.C.	27	TX_CH16_A+_USIT	51	TX_CH20_A+_USIT	75	SRF_L
4	N.C.	28	TX_CH16_A-_USIT	52	TX_CH20_A-_USIT	76	N.C.
5	N.C.	29	GND	53	GND	77	VCC_1.8V_S_PW
6	V1_OC	30	TX_CH16_B+_USIT	54	TX_CH20_B+_USIT	78	VCC_1.8V_S_PW
7	VCOM1_CELL	31	TX_CH16_B-_USIT	55	TX_CH20_B-_USIT	79	VCC_1.8V_S_PW
8	XON	32	GND	56	GND	80	LL_CELL
9	PORTNUM	33	TX_CH17_A+_USIT	57	TX_CH21_A+_USIT	81	LH_CELL
10	VCC_3.3V_PW	34	TX_CH17_A-_USIT	58	TX_CH21_A-_USIT	82	HAVDD_8.5V_PW
11	N.C.	35	GND	59	GND	83	HAVDD_8.5V_PW
12	GND	36	TX_CH17_B+_USIT	60	TX_CH21_B+_USIT	84	HAVDD_8.5V_PW
13	T_S_D_HOLD_SPI	37	TX_CH17_B-_USIT	61	TX_CH21_B-_USIT	85	UL_CELL
14	T_S_D_WP_SPI	38	GND	62	GND	86	LH_CELL
15	T_S_D_MISO_SPI	39	TX_CH18_A+_USIT	63	TX_CH22_A+_USIT	87	AVDD_17V_PW
16	T_S_D_MOSI_SPI	40	TX_CH18_A-_USIT	64	TX_CH22_A-_USIT	88	AVDD_17V_PW
17	T_S_D_CS_SPI	41	GND	65	GND	89	AVDD_17V_PW
18	T_S_D_CK_SPI	42	TX_CH18_B+_USIT	66	TX_CH22_B+_USIT	90	AVDD_17V_PW
19	TX_CH14_B-_USIT	43	TX_CH18_B-_USIT	67	TX_CH22_B-_USIT	91	AVDD_17V_PW
20	GND	44	GND	68	GND	92	AVDD_17V_PW
21	TX_CH15_A+_USIT	45	TX_CH19_A+_USIT	69	TX_CH23_A+_USIT	93	AVDD_17V_PW
22	TX_CH15_A-_USIT	46	TX_CH19_A-_USIT	70	TX_CH23_A-_USIT	94	AVDD_17V_PW
23	GND	47	GND	71	GND	95	N.C.
24	TX_CH15_B+_USIT	48	TX_CH19_B+_USIT	72	TX_CH23_B+_USIT	96	FB_TRDY_4

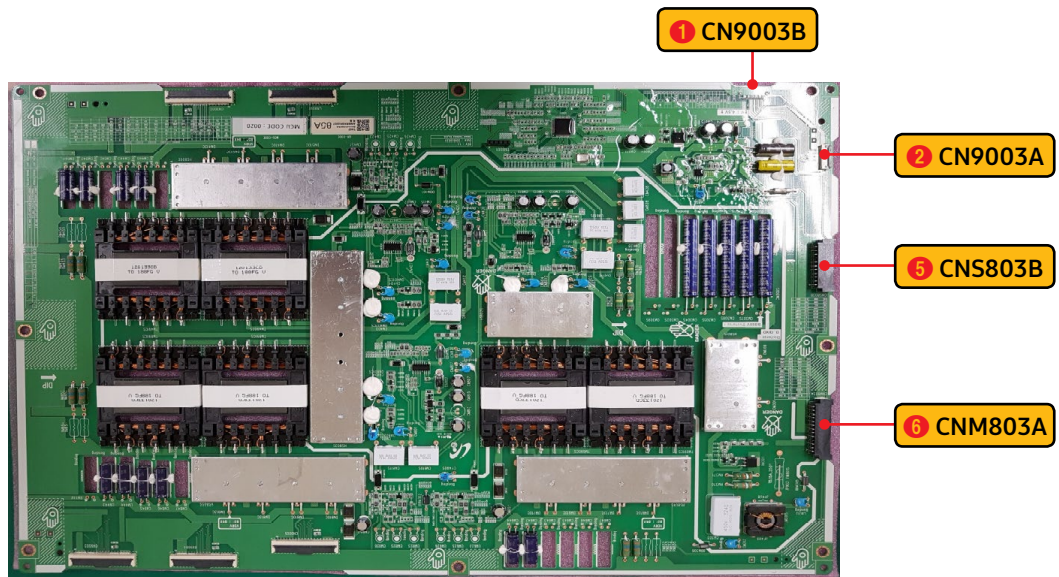
11 CN3806 (USIT)

1	FB_TRDY_1	18	CKV14_GOA	35	N.C.	52	LL_CELL
2	N.C.	19	CKV13_GOA	36	GND	53	LH_CELL
3	VGHD_30V_PW	20	CKV12_GOA	37	GOA_RESET	54	HAVDD_8.5V_PW
4	VGHD_30V_PW	21	CKV11_GOA	38	STVP2_GOA	55	HAVDD_8.5V_PW
5	VGHD_30V_PW	22	CKV10_GOA	39	STVP1_GOA	56	HAVDD_8.5V_PW
6	VGHD_30V_PW	23	CKV9_GOA	40	N.C.	57	UL_CELL
7	N.C.	24	CKV8_GOA	41	N.C.	58	UH_CELL
8	VSS_OUT1_CELL	25	CKV7_GOA	42	FB_C	59	AVDD_17V_PW
9	VSS_OUT1_CELL	26	CKV6_GOA	43	N.C.	60	AVDD_17V_PW
10	VSS_OUT1_CELL	27	CKV5_GOA	44	N.C.	61	AVDD_17V_PW
11	N.C.	28	CKV4_GOA	45	V2_OC	62	AVDD_17V_PW
12	VOFF_-11V_PW	29	CKV3_GOA	46	V1_OC	63	AVDD_17V_PW
13	VOFF_-11V_PW	30	CKV2_GOA	47	VCOM1_CELL	64	AVDD_17V_PW
14	VOFF_-11V_PW	31	CKV1_GOA	48	N.C.	65	AVDD_17V_PW
15	GND	32	ASG_MON_L	49	VCC_1.9V_S_PW	66	AVDD_17V_PW
16	CKV16_GOA	33	LC2_GOA	50	VCC_1.9V_S_PW	67	N.C.
17	CKV15_GOA	34	LC1_GOA	51	VCC_1.9V_S_PW	68	FB_TRDY_2

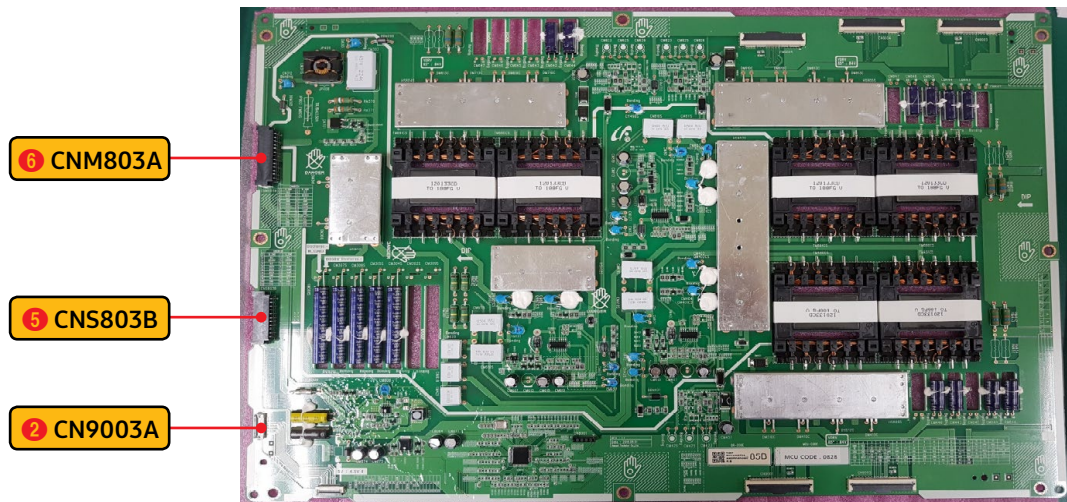
5. Wiring Diagram

5-2-2. LD/SMPS Board

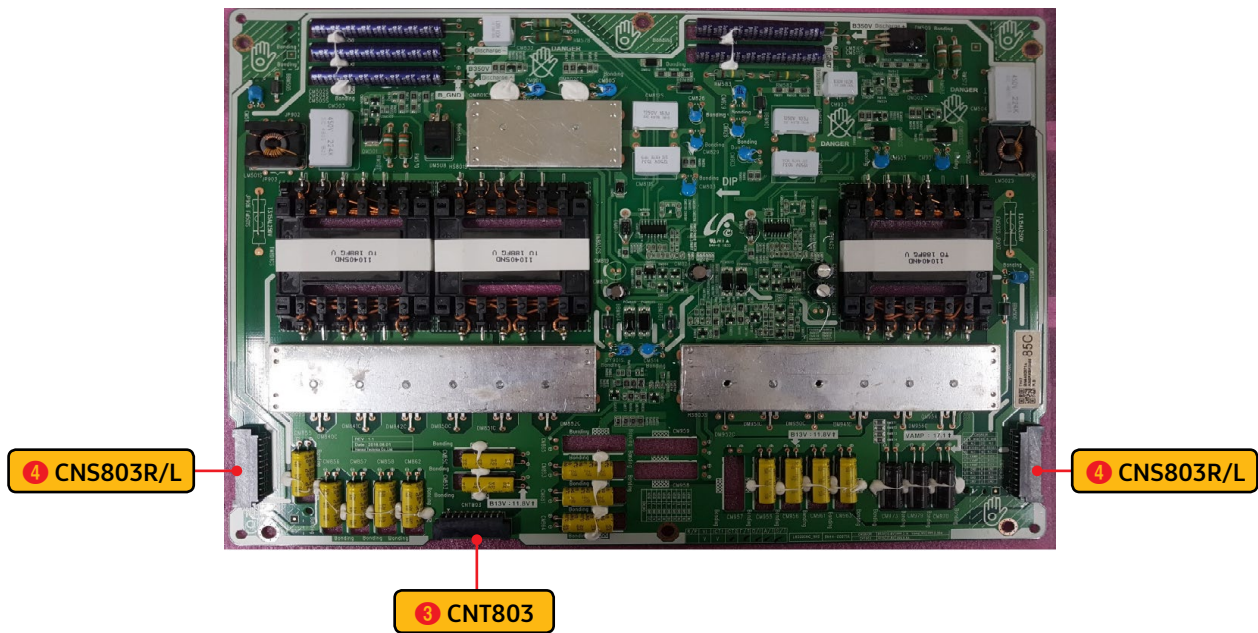
- LD/SMPS A



- LD/SMPS B



- LD/SMPS C



■ LD/SMPS Board Pin Map

1 CN9003B			
1	GND	13	GND
2	GND	14	GND
3	TEST_LD	15	SERIAL_DATA
4	TEST_SD	16	GND
5	CONTACT	17	SCL_LED
6	GND	18	SDA_LED
7	BLU_ON_OFF	19	GND
8	VSYNC_IN	20	N.C
9	SERIAL_STT	21	5V
10	GND	22	5V
11	GND	23	N.C
12	SERIAL_UHR	24	GND

2 CN9003A			
1	GND	13	SERIAL_UHR
2	N.C	14	GND
3	5V	15	GND
4	5V	16	SERIAL_STT
5	N.C	17	VSTNC_IN
6	GND	18	BLU_ON_OFF
7	SDA_LED	19	GND
8	SCL_LED	20	CONTACT
9	GND	21	TEST_SD
10	SERIAL_DATA	22	TEST_LD
11	GND	23	GND
12	GND	24	GND

3 CNT803			
1	B13V	10	GND
2	GND	11	B13V
3	B13V	12	GND
4	GND	13	B13V
5	B13V	14	GND
6	GND	15	B13V
7	B13V	16	GND
8	GND	17	B13V
9	B13V	18	GND

4 CNS803R/L			
1	GND	2	GND
3	GND	4	GND
5	N.C	6	N.C
7	GND	8	GND
9	VAMP	10	B13V
11	VAMP	12	B13V
13	VAMP	14	B13V
15	N.C	16	N.C
17	B350V	18	B350V
19	N.C	20	N.C
21	B_GND	22	B_GND

5 CNS803B			
1	B_GND	2	B_GND
3	N.C	4	N.C
5	B350V	6	B350V
7	N.C	8	N.C
9	VAMP	10	B13V
11	VAMP	12	B13V
13	VAMP	14	B13V
15	GND	16	GND
17	N.C	18	N.C
19	GND	20	GND
21	GND	22	GND

6 CNM803A			
1	B_GND	2	B_GND
3	N.C	4	N.C
5	B350V	6	B350V
7	N.C	8	N.C
9	GND	10	GND
11	VAMP	12	B13V
13	VAMP	14	B13V
15	VAMP	16	B13V
17	GND	18	GND
19	PS_ON	20	N.C
21	N.C	22	N.C
23	GND	24	GND
25	GND	26	GND

5-2-3. One Connect Board



■ One Connect Board Pin Map

① CN501 (USB1)			
1	USB1_VCC_5V_PW	3	JACK1_D+_USB
2	JACK1_D-_USB	4	GND

② CN502 (USB2)			
1	USB2_VCC_5V_PW	3	JACK2_D+_USB
2	JACK2_D-_USB	4	GND

③ CN500 (USB3)			
1	USB3_VCC_5V_PW	3	JACK3_D+_USB
2	JACK3_D-_USB	4	GND

④ CN603_RS (EX-LINK)			
1	GND	5	N.C
2	EX_TX_TP	6	N.C
3	N.C	7	GND
4	EX_RX_TP		

⑤ OP700 (OPTICAL)			
1	VIN	4	SW1
2	VCC	5	SW2
3	GND		

⑥ CN602_LAN (LAN)			
1	EPHY_TXP	5	LAN_GND
2	LAN_GND	6	EPHY_RXN
3	EPHY_TXN	7	N.C
4	EPHY_RXP	8	LAN_GND

⑦ CN801_H1 (HDMI)			
1	HDMI1_RX2+_HDMI	11	GND
2	GND	12	HDMI1_RXC-_HDMI
3	HDMI1_RX2-_HDMI	13	CEC
4	HDMI1_RX1+_HDMI	14	N.C
5	GND	15	HDMI1_SCL_DDC
6	HDMI1_RX1-_HDMI	16	HDMI1_SDA_DDC
7	HDMI1_RX0+_HDMI	17	HDMI1_CABLE_DET
8	GND	18	HDMI1_5V_PW
9	HDMI1_RX0-_HDMI	19	HDMI1_HPD
10	HDMI1_RXC+_HDMI		

⑧ CN800_H2 (HDMI)			
1	HDMI2_RX2+_HDMI	11	GND
2	GND	12	HDMI2_RXC-_HDMI
3	HDMI2_RX2-_HDMI	13	CEC
4	HDMI2_RX1+_HDMI	14	N.C
5	GND	15	HDMI2_SCL_DDC
6	HDMI2_RX1-_HDMI	16	HDMI2_SDA_DDC
7	HDMI2_RX0+_HDMI	17	HDMI2_CABLE_DET
8	GND	18	HDMI2_5V_PW
9	HDMI2_RX0-_HDMI	19	HDMI2_HPD
10	HDMI2_RXC+_HDMI		

5. Wiring Diagram

9 CN900_H3 (HDMI)			
1	HDMI3_RX2+_HDMI	11	GND
2	GND	12	HDMI3_RXC-_HDMI
3	HDMI3_RX2-_HDMI	13	CEC
4	HDMI3_RX1+_HDMI	14	N.C
5	GND	15	HDMI3_SCL_DDC
6	HDMI3_RX1-_HDMI	16	HDMI3_SDA_DDC
7	HDMI3_RX0+_HDMI	17	HDMI3_CABLE_DET
8	GND	18	HDMI3_5V_PW
9	HDMI3_RX0-_HDMI	19	HDMI3_HPD
10	HDMI3_RXC+_HDMI		

10 CN901_H4 (HDMI)			
1	HDMI4_RX2+_HDMI	11	GND
2	GND	12	HDMI4_RXC-_HDMI
3	HDMI4_RX2-_HDMI	13	CEC
4	HDMI4_RX1+_HDMI	14	N.C
5	GND	15	HDMI4_SCL_DDC
6	HDMI4_RX1-_HDMI	16	HDMI4_SDA_DDC
7	HDMI4_RX0+_HDMI	17	HDMI4_CABLE_DET
8	GND	18	HDMI4_5V_PW
9	HDMI4_RX0-_HDMI	19	HDMI4_HPD
10	HDMI4_RXC+_HDMI		

11 CN301 (SERDES)			
1	GND	17	GND
2	HDMI_TMDS_DATA0-	18	HDMI_TMDS_CLK-
3	HDMI_TMDS_DATA0+	19	HMDI_TMDS_CLK+
4	GND	20	B5V_PW
5	HMDI_TMDS_DATA1-	21	CABLE_DETECT
6	HDMI_TMDS_DATA1+	22	A3.3V_PW
7	GND	23	ACT
8	HDMI_TMDS_DATA2-	24	SIGNAL_DETECT
9	HDMI_TMDS_DATA2+	25	IMON
10	GND	26	TV_A13V_PW
11	SERDES_TX_L1+	27	B350V_GND
12	SERDES_TX_L1-	28	B350V_GND
13	GND	29	B350V_GND
14	SERDES_RX_L1+	30	N.C
15	SERDES_RX_L1-	31	B350V_2_PW
16	B350V_1_PW		

12 CN201 (POWER)			
1	B350V_GND	14	N.C
2	B350V_GND	15	GND
3	B350V_GND	16	GND
4	B350V_GND	17	A13V_PW
5	N.C	18	A13V_PW
6	N.C	19	A13V_PW
7	B350V_2_PW	20	A13V_PW
8	B350V_2_PW	21	GND
9	N.C	22	GND
10	N.C	23	TV_A13V_PW
11	B350V_1_PW	24	SW_POWER_350V
12	B350V_1_PW	25	TV_A13V_PW
13	N.C	26	IR_SMPS