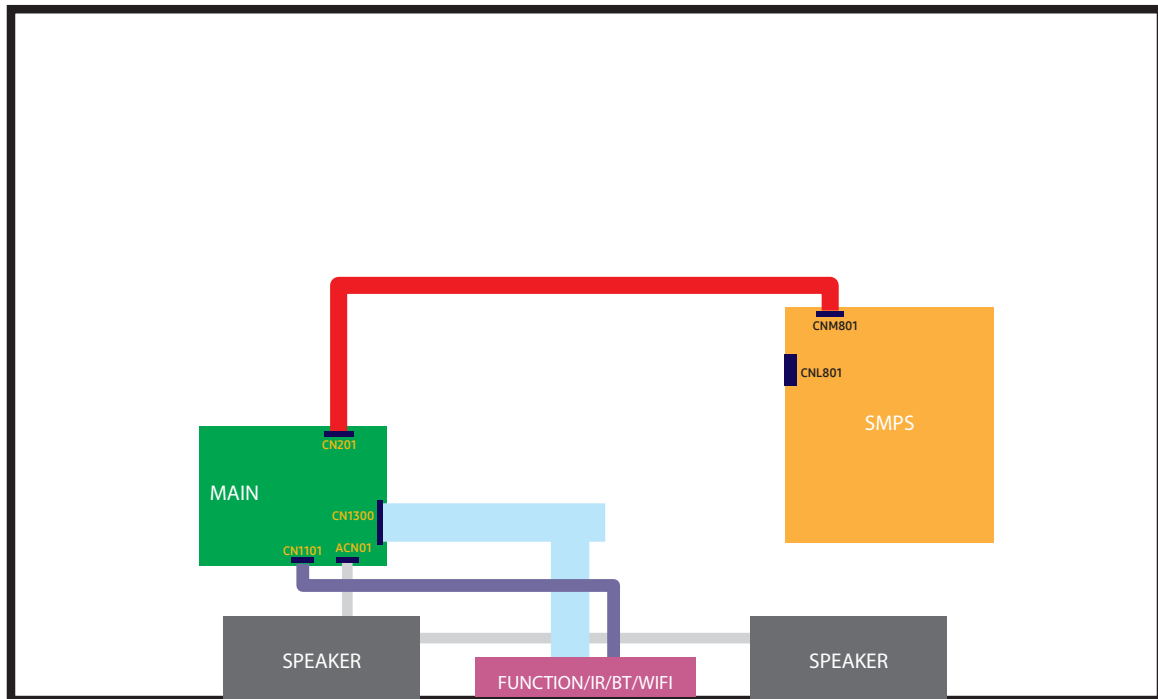


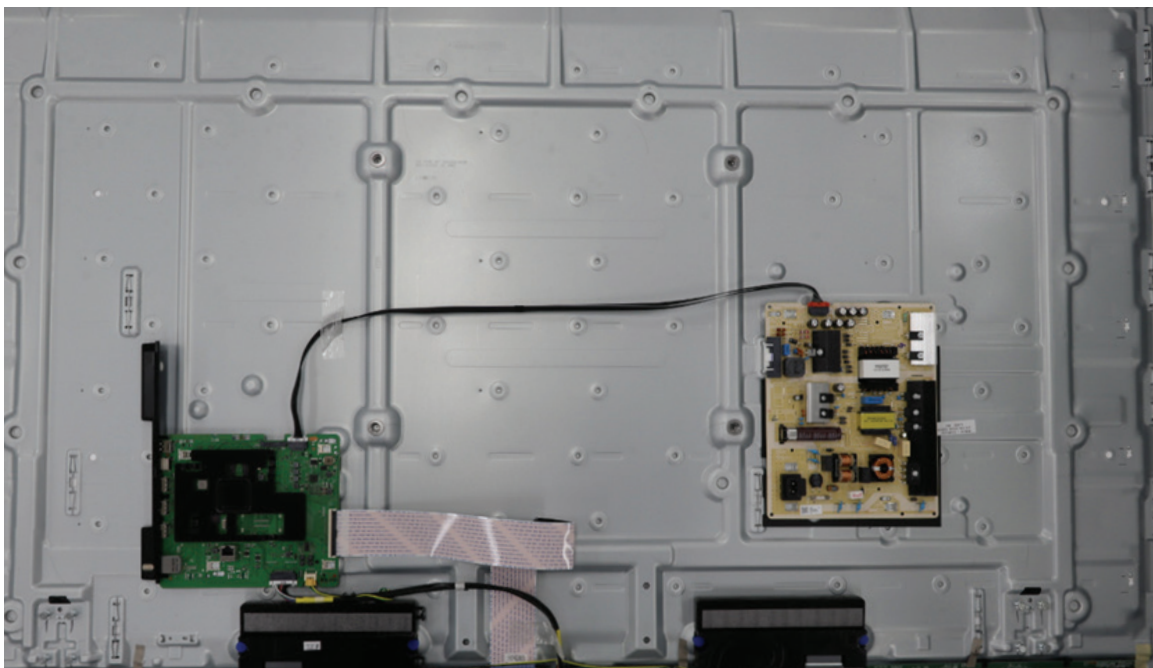
5. Wiring Diagram

5-1. Wiring Diagram

- All inches



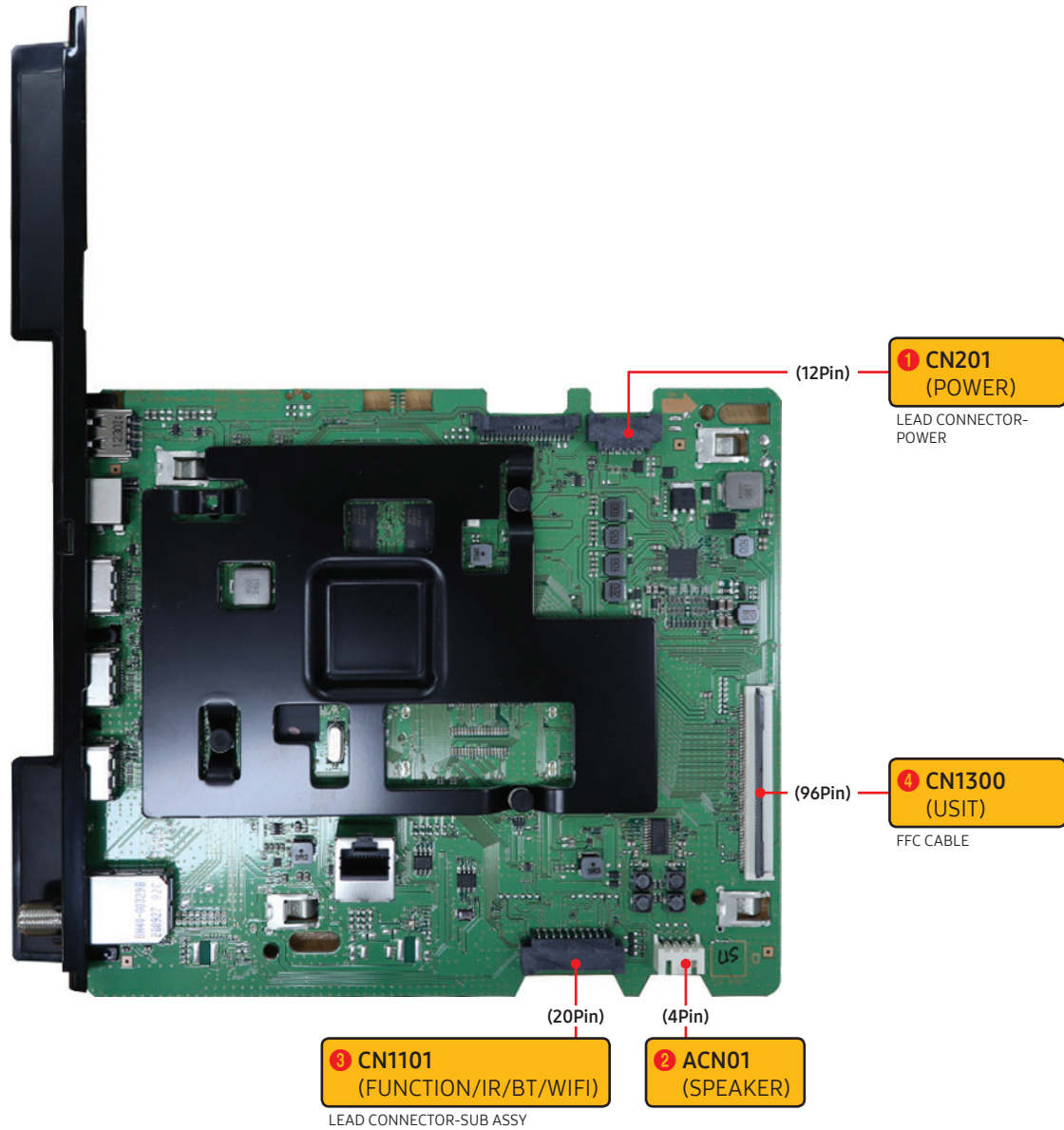
- All inches Panel_inner



5-2. Connector

5-2-1. MAIN BOARD

- External Connector (For Engineers)



■ MAIN Board Pin Map

1 CN201 (POWER)			
1	GND	2	GND
3	A13V	4	GND
5	A13V	6	SW_POWER_OUT
7	A13V	8	PWM_DIMMING_OUT1
9	A13V	10	-
11	GND	12	ANA_DIMMING

2 ACN01_4P (AMP)			
1	MID_R+	2	MID_R-
3	MID_L+	4	MID_L-

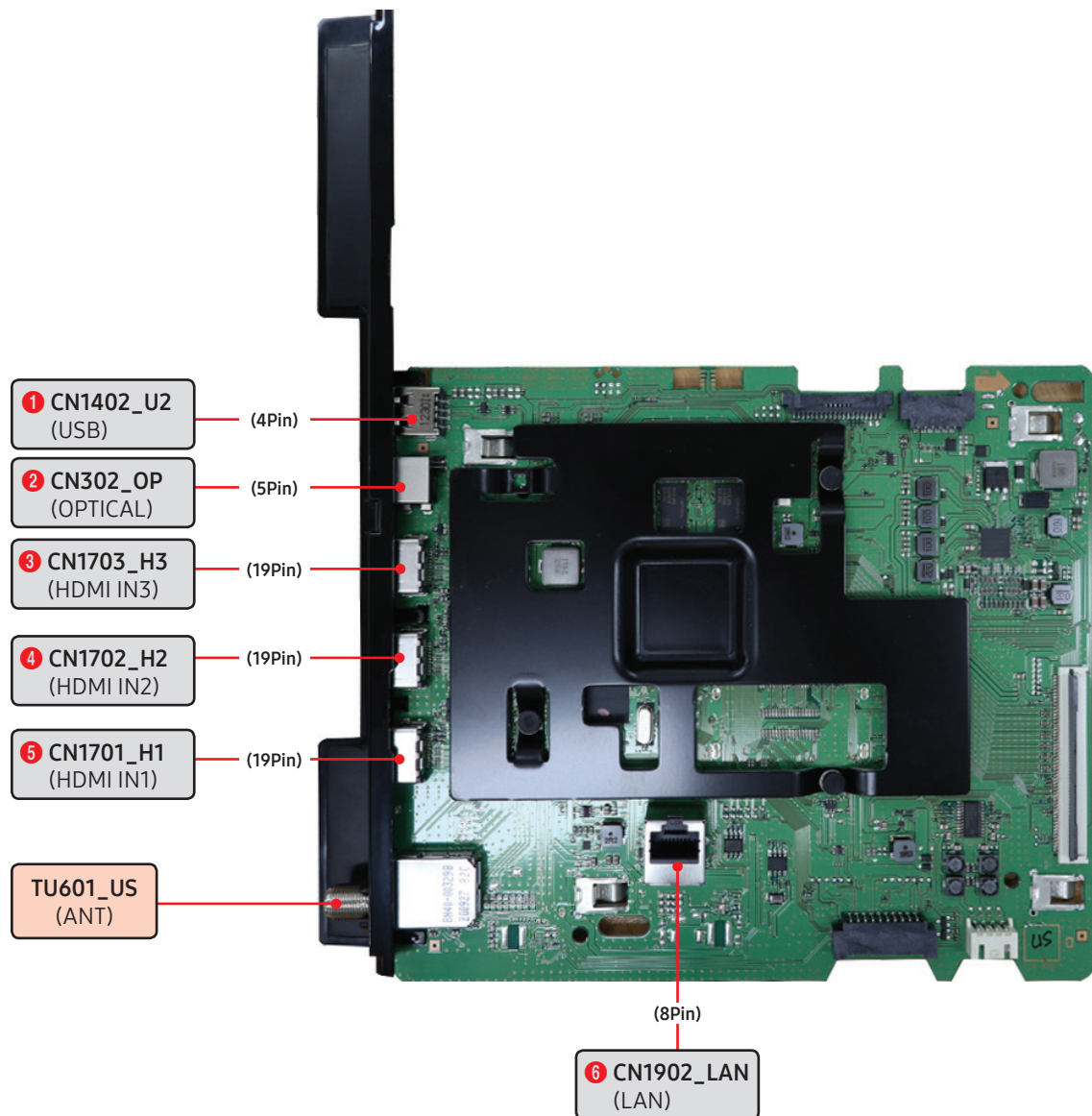
③ CN1101(FUNCTION/IR/BT/WIFI)

1	USB_DM	2	USB_DP
3	GND	4	UART_TX
5	BT_WAKE_UP	6	WIFI_SUSPEND
7	5V	8	WIFI_WAKE_UP
9	RESET	10	IR_RX
11	KEY1	12	KEY2
13	I2C_SCL	14	I2C_SDA
15	DMIC_DATA	16	DMIC_CLK
17	LED	18	GND
19	IR_LED1	20	IR_LED2

④ CN1300 (USIT)

1	FB_TRDY_1	2	GND	3	PANEL_3.3V_PW	4	PANEL_3.3V_PW
5	FB_VCOM1_2_CELL	6	VCOM1_CELL	7	VCOM2_CELL	8	VCOM3_CELL
9	VSS_OUT1_CELL	10	VOFF_-11V_PW	11	VGHD	12	CKV1_GOA
13	CKV2_GOA	14	CKV3_GOA	15	CKV4_GOA	16	CKVB1_GOA
17	CKVB2_GOA	18	CKVB3_GOA	19	CKVB4_GOA	20	STVP1_GOA
21	STVP1_GOA	22	ST_GOA	23	DEMURA_SSPFRM_SPI	24	DEMURA_SSPCLK_SPI
25	DEMURA_SSPHOLD_SPI	26	DEMURA_SSPWP_SPI	27	DEMURA_SSPRXD_SPI	28	DEMURA_SSPTXD_SPI
29	DEMURA_SSPFRM_SPI	30	SFC	31	DEMURA_SSPWP_SPI	32	DEMURA_SSPRXD_SPI
33	DEMURA_SSPTXD_SPI	34	DEMURA_SSPFRM_SPI	35	DEMURA_SSPCLK_SPI	36	DEMURA_SSPHOLD_SPI
37	GND	38	VCCA_1.9V_PW	39	VCCB_1.8V_PW	40	GND
41	N.C.	42	PI_DSF_MON	43	GND	44	TX_CH0_A+_USIT1
45	TX_CH0_A-_USIT1	46	GND	47	TX_CH1_A+_USIT	48	TX_CH1_A-_USIT
49	GND	50	TX_CH2_A+_USIT	51	TX_CH2_A-_USIT	52	GND
53	TX_CH3_A+_USIT	54	TX_CH3_A-_USIT	55	GND	56	TX_CH4_A+_USIT
57	TX_CH4_A-_USIT	58	GND	59	TX_CH5_A+_USIT	60	TX_CH5_A-_USIT
61	GND	62	TX_CH6_A+_USIT	63	TX_CH6_A-_USIT	64	GND
65	TX_CH7_A+_USIT	66	TX_CH7_A-_USIT	67	GND	68	TX_CH8_A+_USIT
69	TX_CH8_A-_USIT	70	GND	71	TX_CH9_A+_USIT	72	TX_CH9_A-_USIT
73	GND	74	TX_CH10_A+_USIT	75	TX_CH10_A-_USIT	76	GND
77	TX_CH11_A+_USIT	78	TX_CH11_A-_USIT	79	GND	80	SFC
81	GND	82	PI_DSF_MON	83	PORTNUM	84	VCCA_1.9V_PW
85	VCCB_1.8V_PW	86	LL_CELL	87	LH_CELL	88	HAVDD_8.5V_PW
89	UL_CELL	90	UH_CELL	91	AVDD_17V_PW	92	AVDD_17V_PW
93	AVDD_17V_PW	94	AVDD_17V_PW	95	N.C.	96	FB_TRDY_2

• Internal Connector (For Customers)



■ MAIN Board Pin Map

1 CN1402_U2 (USB)			
1	A5V_USB_PW	2	D-
3	D+	4	GND

2 CN302 (OPTICAL)			
1	SPDIF_OUT	2	B5V_PW
3	DGND	4	IDENT_SPDIF
5	DGND		

3 CN1703_H3 (HDMI3)			
1	HDMI3_RX2+_HDMI	2	GND
3	HDMI3_RX2-_HDMI	4	HDMI3_RX1+_HDMI
5	GND	6	HDMI3_RX1-_HDMI
7	HDMI3_RX0+_HDMI	8	GND
9	HDMI3_RX0-_HDMI	10	HDMI3_RX_CLK+_HDMI
11	GND	12	HDMI3_RX_CLK-_HDMI
13	CEC	14	EARC+
15	HDMI3_SCL_DDC	16	HDMI3_SDA_DDC
17	HDMI23_CABLE_DET	18	HDMI3_5V
19	EARC-		

④ CN1702_H2 (HDMI2)

1	HDMI2_RX2+_HDMI	2	GND
3	HDMI2_RX2-_HDMI	4	HDMI2_RX1+_HDMI
5	GND	6	HDMI2_RX1-_HDMI
7	HDMI2_RX0+_HDMI	8	GND
9	HDMI2_RX0-_HDMI	10	HDMI2_RX_CLK+_HDMI
11	GND	12	HDMI2_RX_CLK-_HDMI
13	CEC	14	EARC+
15	HDMI2_SCL_DDC	16	HDMI2_SDA_DDC
17	HDMI2_CABLE_DET	18	HDMI2_5V
19	EARC-		

⑥ CN1701_H1 (HDMI1)

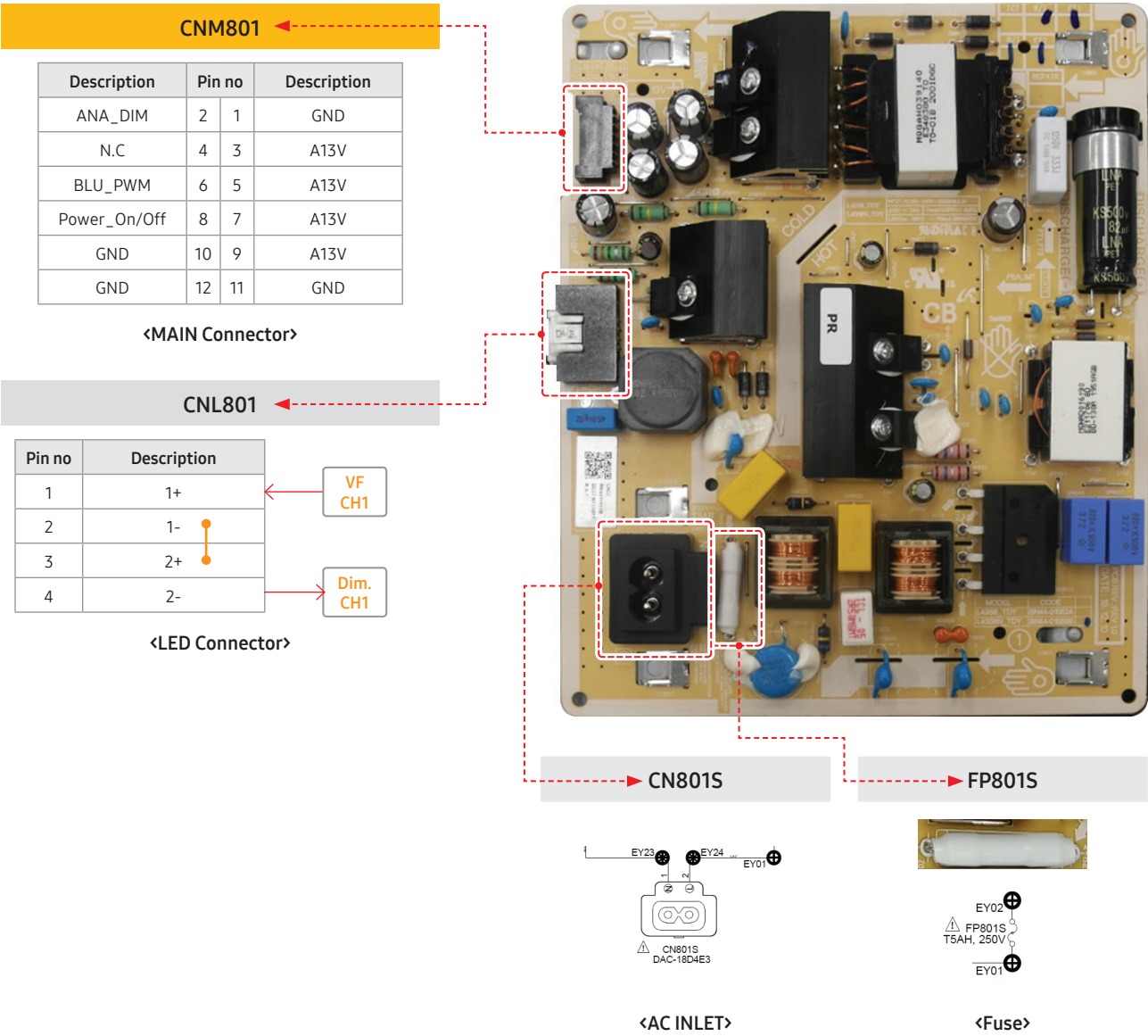
1	HDMI1_RX2+_HDMI	2	GND
3	HDMI1_RX2-_HDMI	4	HDMI1_RX1+_HDMI
5	GND	6	HDMI1_RX1-_HDMI
7	HDMI1_RX0+_HDMI	8	GND
9	HDMI1_RX0-_HDMI	10	HDMI1_RX_CLK+_HDMI
11	GND	12	HDMI1_RX_CLK-_HDMI
13	CEC	14	EARC+
15	HDMI3_SCL_DDC	16	HDMI3_SDA_DDC
17	HDMI3_CABLE_DET	18	HDMI3_5V
19	EARC-		

⑥ CN1902_LAN (LAN)

1	LAN_TXD+_LAN	2	GND
3	LAN_TXD-_LAN	4	LAN_RXD+_LAN
5	GND	6	LAN_RXD-_LAN
7	-	8	GND

5-2-2. DC VSS-POWER BOARD (SMPS)

- 43 inches



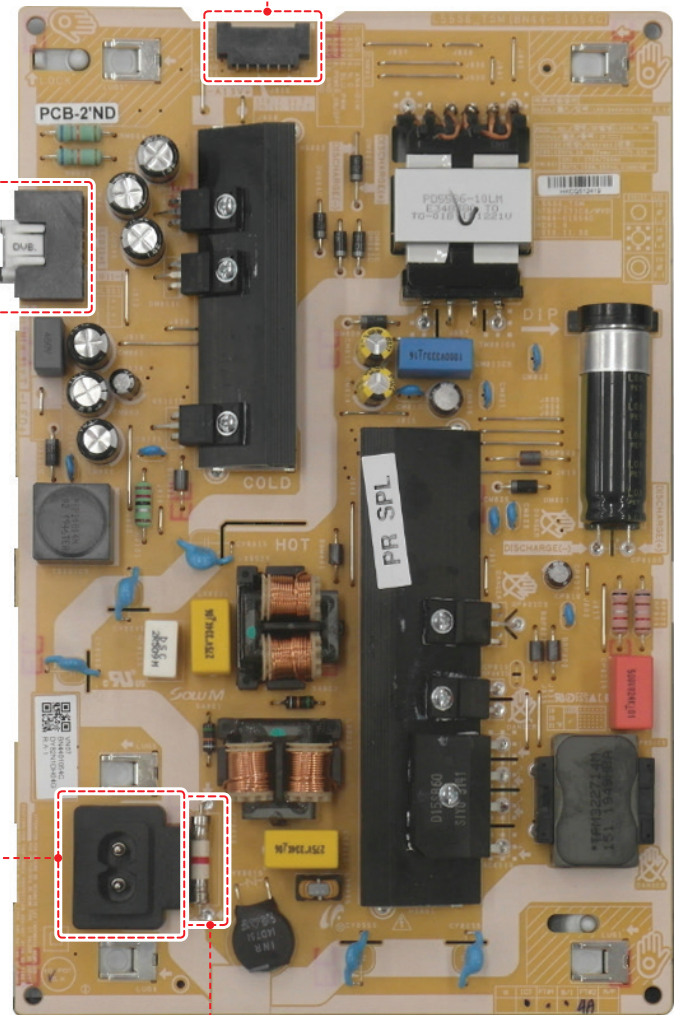
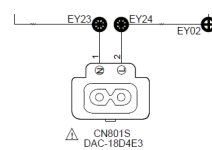
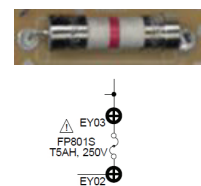
- 50/55 inches

CNM801

Description	Pin no	Description
ANA_DIM	2 1	GND
N.C	4 3	A13V
BLU_PWM	6 5	A13V
Power_On/Off	8 7	A13V
GND	10 9	A13V
GND	12 11	GND

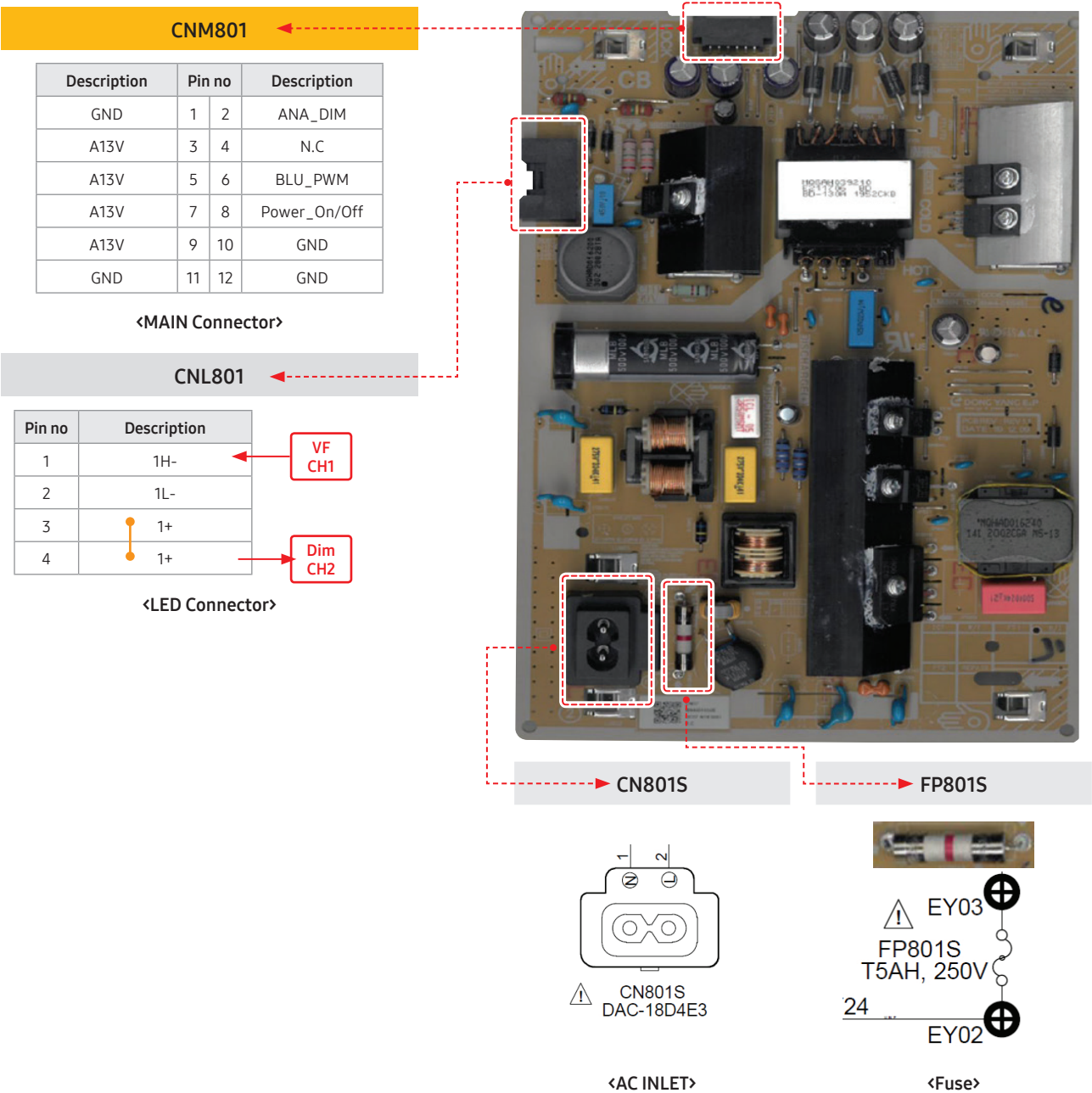
<MAIN Connector>**CNL801**

Pin no	Description
1	1+
2	1-
3	2+
4	2-

VF
CH1Dim.
CH1**<LED Connector>****CN801S****FP801S****<AC INLET>****<Fuse>**

5. Wiring Diagram

- 58 inches



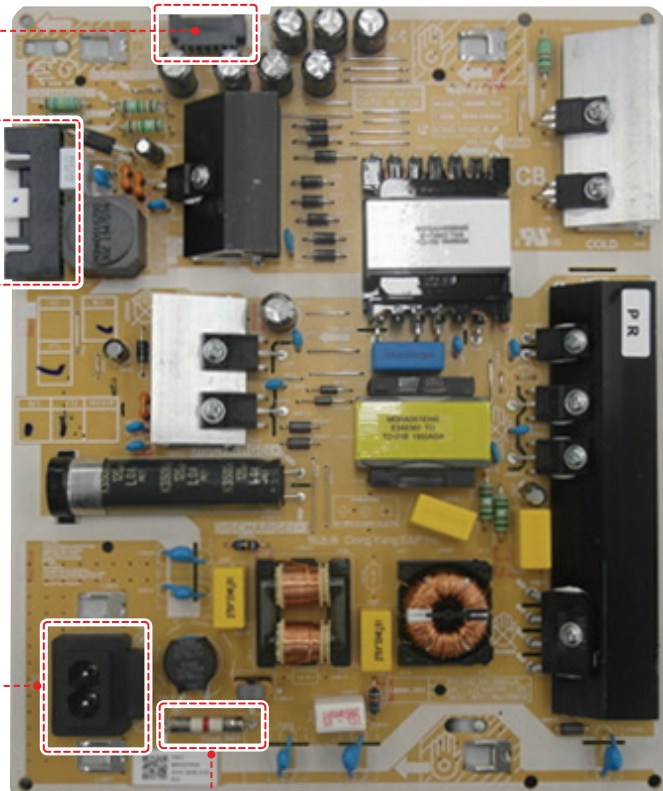
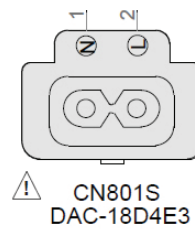
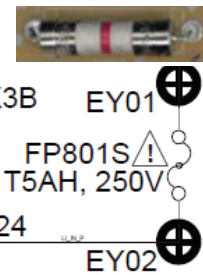
- 65 inches

CNM801

Description	Pin no	Description
GND	1 2	ANA_DIM
A13V	3 4	N.C
A13V	5 6	BLU_PWM
A13V	7 8	Power_On/Off
A13V	9 10	GND
GND	11 12	GND

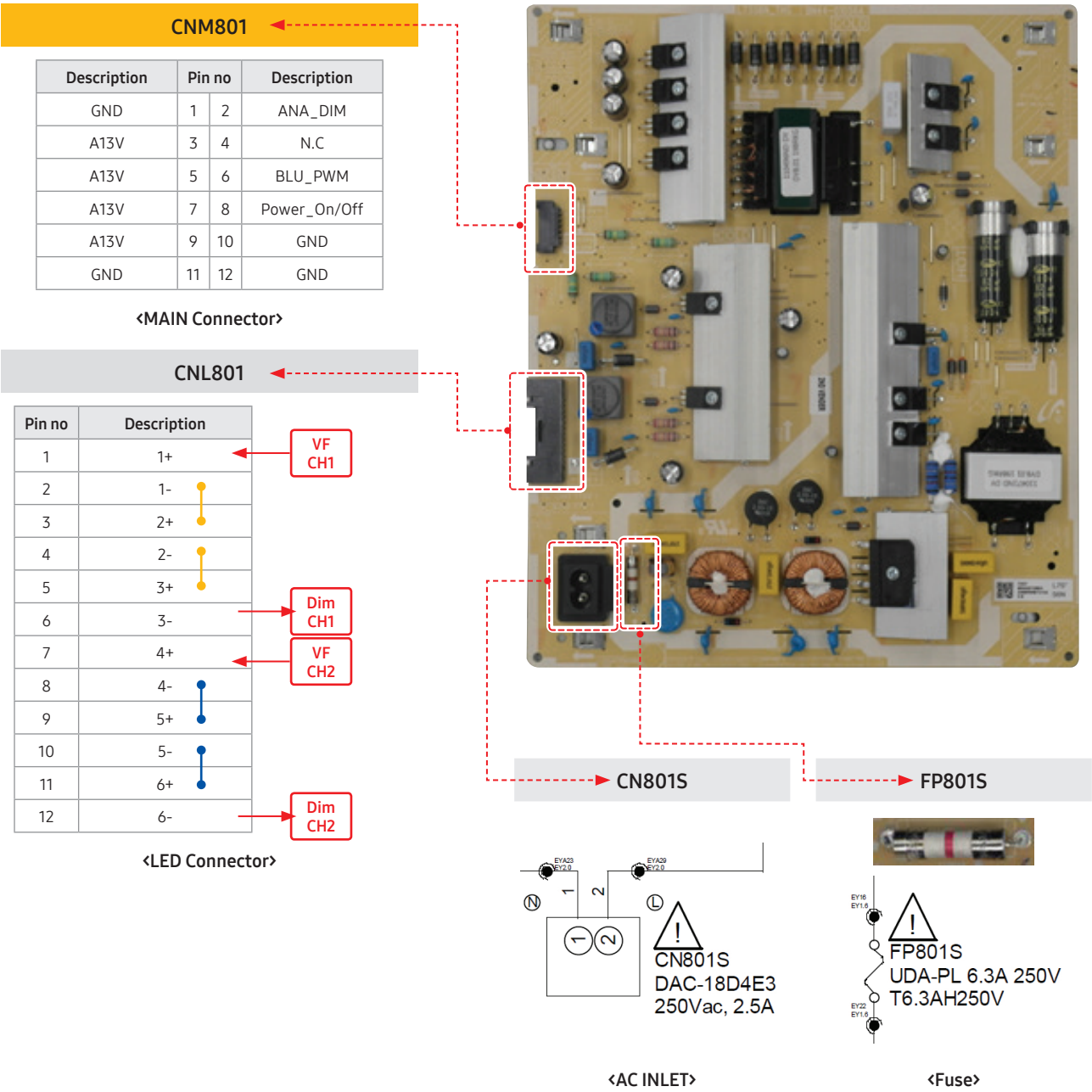
<MAIN Connector>**CNL801**

Pin no	Description
1	1+
2	1-
3	2+
4	2-
5	3+
6	3-
7	4+
8	4-
9	5+
10	N.C
11	N.C
12	5-

VF
CH1Dim
CH2**<LED Connector>****CN801S****FP801S****<AC INLET>****<Fuse>**

5. Wiring Diagram

- 70/75 inches



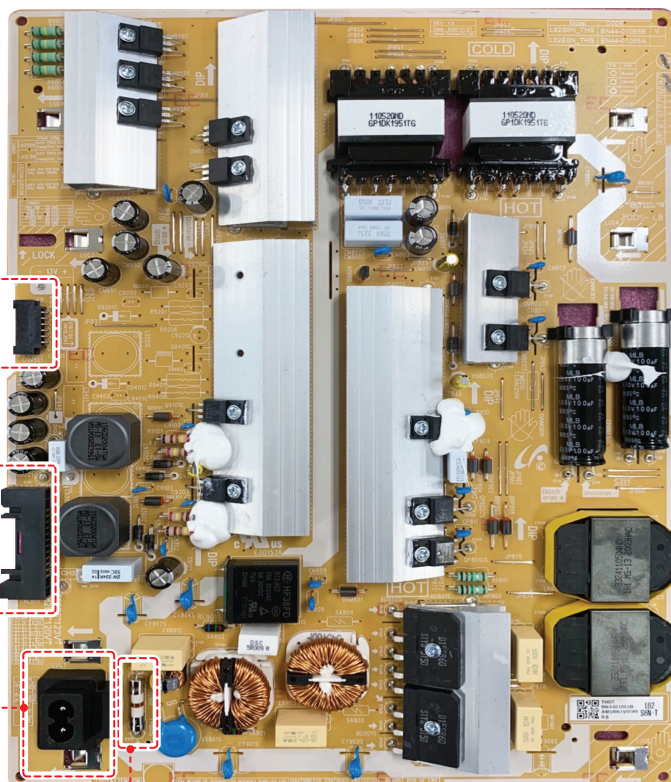
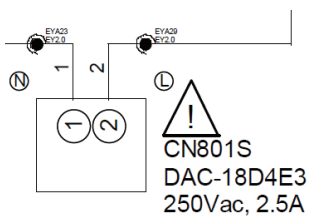
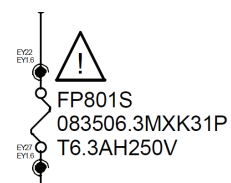
- 82/85 inches

CNM801

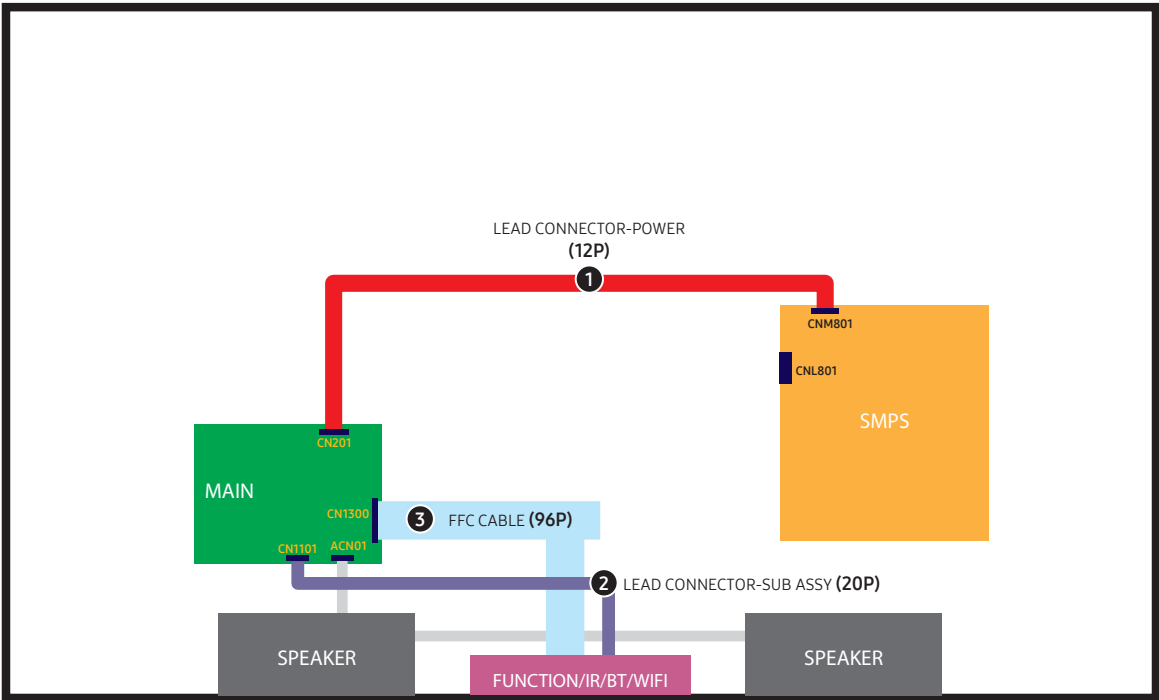
Description	Pin no	Description
GND	1 2	ANA_DIM
A13V	3 4	N.C
A13V	5 6	BLU_PWM
A13V	7 8	Power_On/Off
A13V	9 10	GND
GND	11 12	GND

<MAIN Connector>**CNL801**

Pin no	Description
1	1+
2	1-
3	2+
4	2-
5	3+
6	3-
7	4+
8	4-
9	5+
10	5-
11	6+
12	6-

<LED Connector>VF
CH1Dim
CH1VF
CH2Dim
CH2**CN801S****FP801S****<AC INLET>****<Fuse>**

5-3. Cables



■ Cable Information



NOTE

- The image may differ with the specific model and area.
- The code number can be changed, see "Exploded Views" provided on the site.

Part Name & Connection			Part Spec		
①	LEAD CONNECTOR-POWER (POWER) MAIN - SMPS		12 Pin	43"	L400
				50"	L500
				55"	L500
				58"	L700
				65"	L700
				70"	L600
				75"	L600
				82"	L700
②	LEAD CONNECTOR-SUB ASSY (FUNCTION/IR/BT/WIFI) MAIN - Module		20 Pin	43"	L300
				50"	L300
				55"	L300
				58"	L400
				65"	L400
				70"	L400
				75"	L400
				82"	L400
				85"	L400

Part Name & Connection			Part Spec		
3	FFC CABLE (USIT) MAIN - Source B		96 Pin	43"	L350
				50"	L350
				55"	L350
				58"	L500
				65"	L500
				70"	L500
				75"	L500
				82"	L500
				85"	L500