Main Display (Top)

H1 M2.5HOLE
H2 M2.5HOLE
H3 M2.5HOLE
H4 M2.5HOLE

LCD CONNECTOR

GND

VDD_3V3

LCD_RESET
LCD_TE

VDD_3V3

J7

DISP_D3_P
DISP_D3_N

DISP_D2_P
DISP_D2_N

DISP_CK_P
DISP_CK_N

DISP_D1_P
DISP_D1_N

DISP_D0_P
DISP_D0_N

NOTE: CONNECTORS INTENTIONALLY MIRRORED TO COMPENSATE
FOR DIFFERENT PIN 1 CONVENTIONS ON THE CONNECTOR
VERSUS THE FPC ON THE DISPLAY

VLED+
VLED−

FH19C-40S-0.5SH(10)

T1
SFV30R-4STBE1HLF

1	1	DRDY_M
2	2	LCD_RESET
3	3	LCD_TE
4	4	BL_PWM
5	5	
6	6	DISP_D0_P
7	7	DISP_D0_N
8	8	
9	9	DISP_D1_P
10	10	DISP_D1_N
11	11	
12	12	DISP_CK_P
13	13	DISP_CK_N
14	14	
15	15	DISP_D2_P
16	16	DISP_D2_N
17	17	
18	18	DISP_D3_P
19	19	DISP_D3_N
20	20	
21	21	
22	22	
23	23	
24	24	
25	25	
26	26	
27	27	SPK_L
28	28	SPK_R
29	29	SMIC_L
30	30	SMIC_R

VDD_1V8
VDD_3V3

GND

BACKLIGHT LED DRIVER

VDD_3V3

U6

VIN   VOUT
SW   FB
BL_PWM CTRL   GND

AP3019AKTR-G1
VCTRL MIN = 1.8V

C32
1uF

L3
22uH

R11
10r

C33
0.22uF

GND   GND   GND   GND