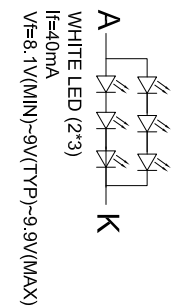
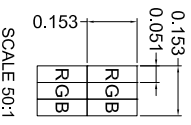


- Notes:
1. Tolerance is $\pm 0.3\text{mm}$ unless otherwise noted.
 2. Marked with * is important dimension.
 3. Marked with () is reference dimension.



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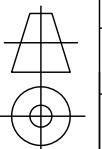
DRAWN: 吴逸翔
2019-7-17

CHECKED: 陈秀丹
2019-7-17

APPROVED: 黄宏生
2019-7-17

LCM NO: GWMTP16067-LCM/A
DWG NO: ED-16067-LCM/A

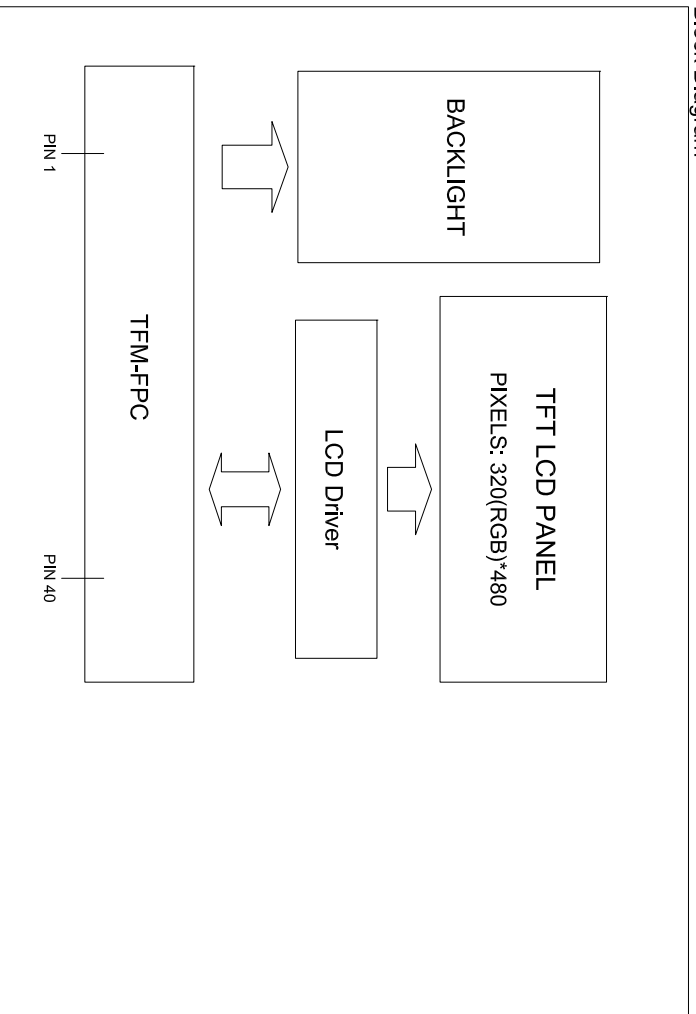
Rev: 00
SHEET 2 OF 3



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Block Diagram



LCD Interface Pin Description:

Pin	Symbol	IO	Function Description
1	LC0_GND	P	LC0 Power ground
2	LC0_GND	P	LC0 Power ground
3	LC0_VDD	P	LC0 Power supply
4	LC0_VDD	P	LC0 Power supply
5	LC0_VDD1	P	LC0 Power supply for I/O system.
6	LC0_VDD1	P	LC0 Power supply for I/O system.
7	CS	I	Chip selection signal, active low
8	SDA	I	SPI interface clock signal
9	SDA	I	SPI interface input signal
10	SDO	O	SPI interface output signal
11	DB0	I	Data signal
12	DB1	I	Data signal
13	DB2	I	Data signal
14	DB3	I	Data signal
15	DB4	I	Data signal
16	DB5	I	Data signal
17	DB6	I	Data signal
18	DB7	I	Data signal
19	DB8	I	Data signal
20	DB9	I	Data signal
21	DB10	I	Data signal
22	DB11	I	Data signal
23	DB12	I	Data signal
24	DB13	I	Data signal
25	DB14	I	Data signal
26	DB15	I	Data signal
27	DB16	I	Data signal
28	DB17	I	Data signal
29	DE	I	Data enable signal
30	CLK	I	Data clock
31	HSYNC	I	Horizontal sync signal
32	VSYNC	I	Vertical sync signal
33	RESET	I	Reset signal, active low
34	LC0_GND	P	LC0 Power ground
35	LC0_GND	P	LC0 Power ground
36	K	P	Power for LED backlight cathode
37	A	P	Power for LED backlight anode
38	A	P	Power for LED backlight anode
39	A	P	Power for LED backlight anode
40	NC	-	Non connection

DISPLAY TYPE: TFT(IPS) / 262K Color
 DISPLAY MODE: Transmissive / Normally Black
 VIEWING DIRECTION: All
 DRIVER IC: ST7796SL-G5
 LCD SUPPLY VOLTAGE:
 LCD_VDD=3.3±0.1V, LCD_VDD1=1.7V(Min.), 1.8V(Typ.), 3.4V(Max.)
 CTP SUPPLY VOLTAGE:
 TP_VDD=3.3±0.1V, TP_IOVDD=3.3±0.1V
 LCD INTERFACE : 3-line SPI+ 18 bit RGB interface
 TOUCH INTERFACE: I2C
 BACKLIGHT: White LED (6 pcs)
 LCM LUMINANCE: 280cd/m2(min. when If=40mA)
 OPERATING TEMPRATURE: -20° ~ +70°C
 STORAGE TEMPRATURE: -30° ~ +80°C

NOTE:
WITH PLEASE CHECK

DRAWN:

林挺
2019-7-17

CHECKED:

-

APPROVED:

黄宏生
2019-7-17

SHANTOU GOWORLD DISPLAY CO., LTD.

LCM NO: GWM16067-LCM/A
DWG NO: ED-16067-LCM/A

Rev: 00

UNITS: mm

SHEET 3 OF 3



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