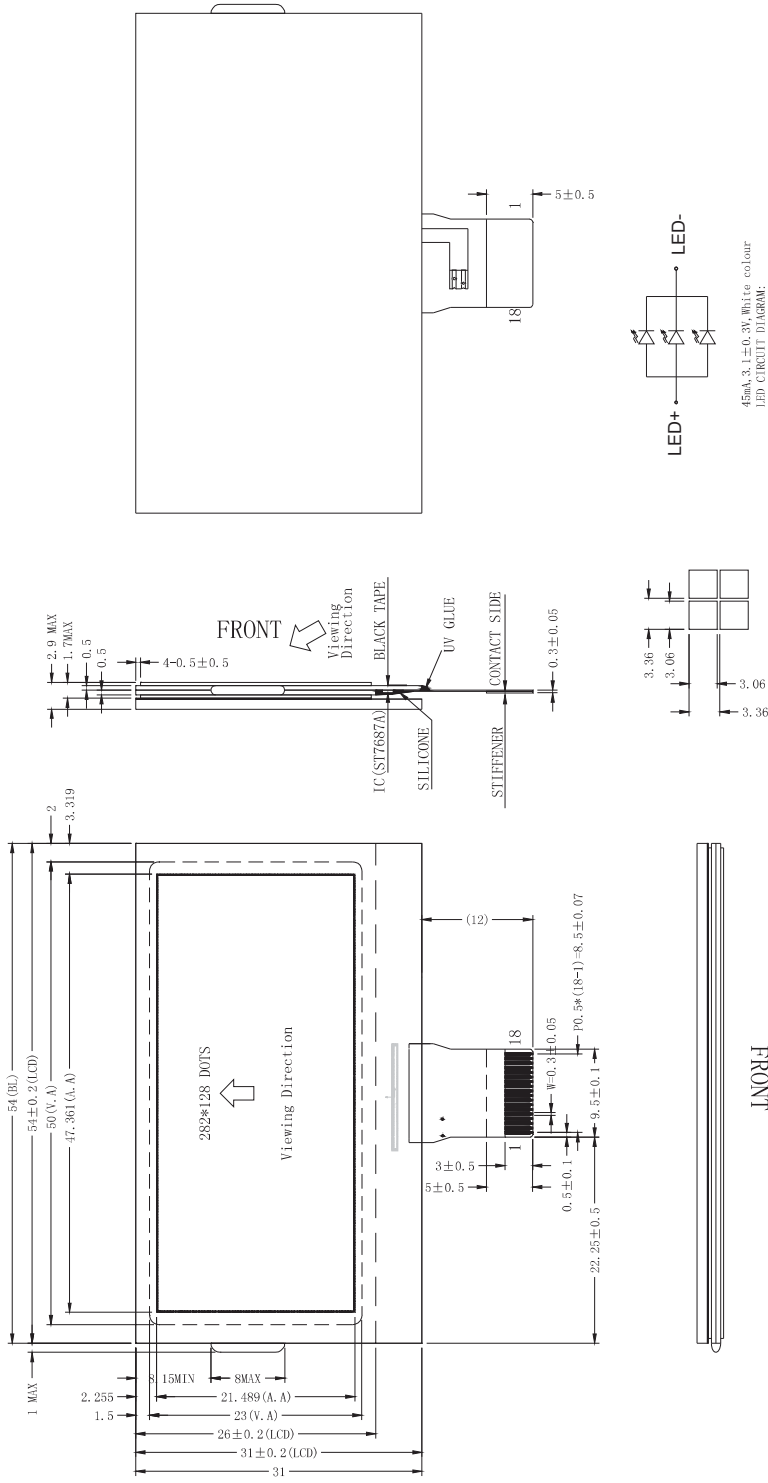
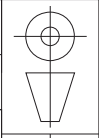


ELECTRICAL PART



5	Back Light	1	Quantity
4	Shading Tape	1	
3	FPC	1	
2	IC (ST7687S)	1	
1	LED	1	
30	Part Name		

CUSTOMER APPROVAL:



LCM NO: AM0186R-08
 DWG NO: AM0186R-08
 Rev: 00
 UNITS: mm
 SHEET 1 OF 2

APPROVED: HHS
 2012-05-21

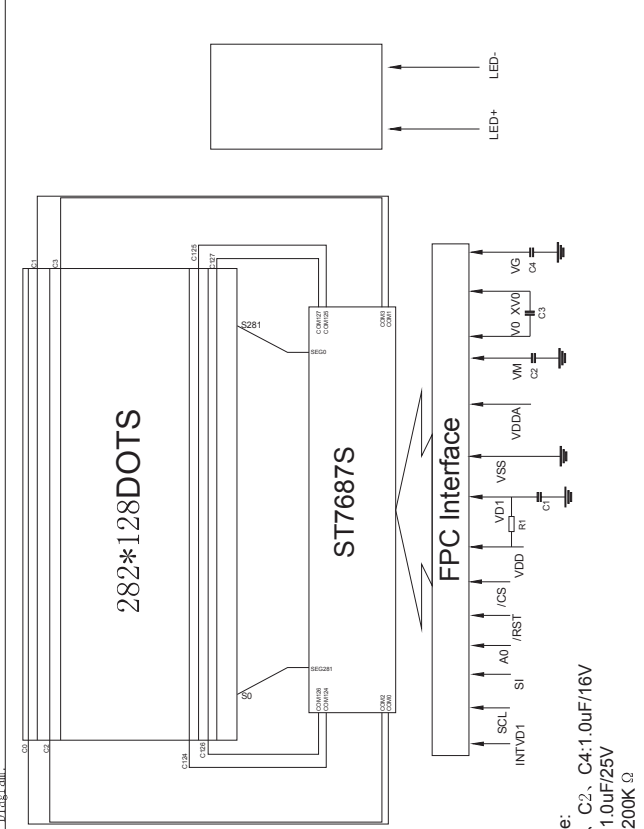
CHECKED: CSG
 2012-05-21

DRAWN: LPH
 2012-05-21



Electrical Part

Block Diagram:



Note:
 C1、C2、C4:1.0uF/16V
 C3:10uF/25V
 R1:200K Ω

DISPLAY TYPE: FSTN, Transflective, Positive
 VIEWING DIRECTION: 6:00
 DRIVER IC: ST7687S (4-wire SPI)
 LOGIC VOLTAGE (VDD) : 1.8~3.0V, INTVD1=VSS
 3.0~3.3V, INTVD1=VDD
 ANALOG VOLTAGE (VDDA) : 3.3V
 LCD DRIVE VOLTAGE (Vlcd) : 16V
 DRIVING METHOD: 1/128 DUTY, 1/12 BIAS
 OPERATING TEMPERATURE: -10° ~ +60° C
 STORAGE TEMPERATURE: -20° ~ +70° C
 INTERFACE CONNECTOR: FPC
 ALL UNMARKED TOLERANCE: ±0.3mm

Pin Description: (4-wire SPI)

Pin	Symbol	Function Description
1	LED+	Anode for backlight circuit.
2	ESD1	ESD pad, connect to ground.
3	INTVD1	When VDD=1.8~3.0V, INTVD1=VSS. When VDD=3.0~3.3V, INTVD1=VDD.
4	SCL	Serial clock.
5	SI	Serial data input.
6	A0	Data/Command select.
7	/RST	Reset. (Active Low)
8	/CS	Chip select. (Active Low)
9	VDD	Digital power input
10	VD1	Voltage regulator for digital circuit.
11	VSS	Power ground.
12	VDDA	Analog power input.
13	VM	I/O pin of LCD bias supply voltages.
14	V0	LCD driver supply voltages.
15	XV0	
16	VG	Bias driver supply voltages.
17	ESD2	ESD pad, connect to ground.
18	LED-	Cathode for backlight circuit.

- C05:Modify the IC.
 - C04:Modify the FPC interface.
 - C03:Modify the display type and the FPC layout logic.
 - C02:Modify FPC.
 - C01:Update the drawing.
 - B00:Add a Backlight, Modify the Thickness of Glass.
 - B00:Modify the driver IC.
 - A05:Modify the ITO layout.
 - A04:Modify the FPC layout and update the drawing.
 - A03:Modify the FPC layout and update the drawing.
 - A02:Modify the driver IC and update the drawing.
 - A01:Add component on the FPC and modify the FPC logic.
 - A00: Original Edition
- Revision History:

LCM NO: AM0186R-08	Rev: 05	UNITS: mm
DWG NO: AM0186R-08	SHEET 2 OF 2	

APPROVED: HHS
 2011-06-08

CHECKED: WYH
 2011-06-08

DRAWN: YXH
 2011-06-08

