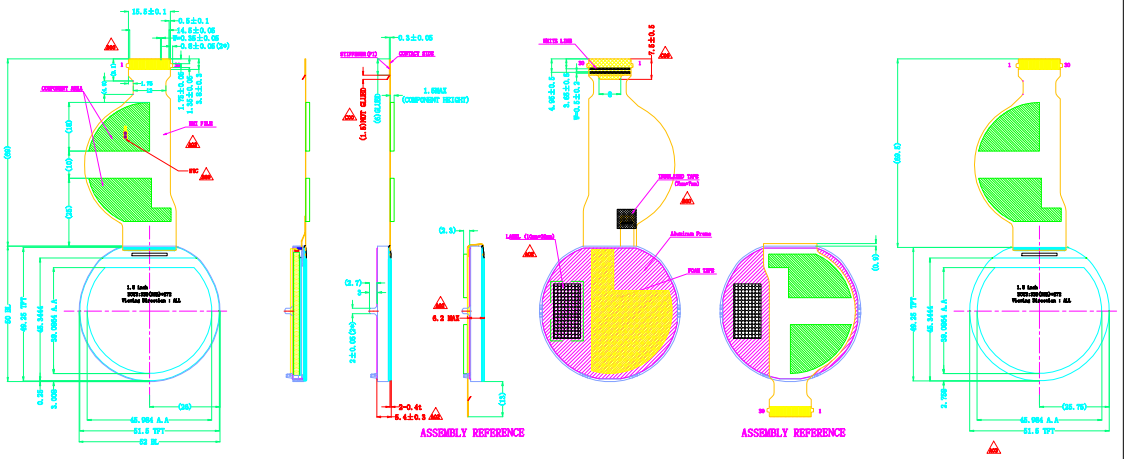
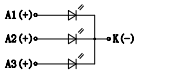
Mechanical Part





White LED (1*3)
If=285mA, Vf=2.7~3.5V
LED type: 01.JA.ZF3014W85P01
Color Ranks: HG6,HG7
Backlight circuit diagram

NO	Part Name	Quantity
4	BL	1
3	FPC	1
2	IC	1
1	LCD	1

CUSTOMER APPROVAL:

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SHANTOU GOWORLD DISPLAY CO., LTD.
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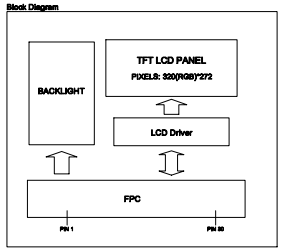
DRAWN:	CHECKED:	APPROVED:			
熊明星 2021-11-08	陈秀丹 2021-11-08	常碧波 2021-11-08	LCM NO: GWMTF17190-LCM/D	Rev: 00	UNITS: mm
			DWG NO: ED-17190-LCM/D	SHEET 1 OF 2	

Electrical Part

Block Diagram



LCM Pin Assignment:

Pin No.	Symbol	Function
1	GND	Ground
2	SDA	SPI Serial data input pin
3	SCL	SPI Clock input
4	CSB	Chip select signal
5	GND	Ground
6	NTC	NTC
7	LED1-	LED Cathode
8	LED2+	LED Anode
9	LED3+	LED Anode
10	LED1+	LED Anode
11	STBY	Standby mode
12	RST	Reset input.
13	GND	Ground
14	GND	Ground
15	RXIN3+	+ LVDS differential data input
16	RXIN3-	- LVDS differential data input
17	GND	Ho connection
18	RXCLK3+	+ LVDS differential clock input
19	RXCLK3-	- LVDS differential clock input
20	GND	Ground
21	RXIN2+	+ LVDS differential data input
22	RXIN2-	- LVDS differential data input
23	GND	Ground
24	RXIN1+	+ LVDS differential data input
25	RXIN1-	- LVDS differential data input
26	GND	Ground
27	RXIN0+	+ LVDS differential data input
28	RXIN0-	-LVDS differential data input
29	GND	Ground
30	VDD	Power Voltage for digital circuit

DISPLAY TYPE: IPS Normally Black, TRANSMISSIVE
VIEWING ANGLE: All
LOGIC VOLTAGE: 3V
DRIVER IC: ST7722
LCD INTERFACE TYPE: LVDS
COLOR DEPTH: 24 BITS
OPERATING TEMPERATURE: -30° ~ +85° C
STORAGE TEMPERATURE: -40° ~ +90° C
INTERFACE CONNECTOR: FPC
UNMARKED TOLERANCE: ±0.2
( ) REFERENCE DIMENSION
PLEASE CONFIRM

NTC ○—□—○ GND
Negative Temperature Coefficient
Thermistor 10Kohm

D00:Modify polarizer to improve viewing angle
C01:Add LED color rank information
C02:Modify the stiffener of Fpc
D00:Modify the sequence of pin assignment and add NTC information
A00:Add FCC drawing(without BL)
A02:Add label and FPC BMI, modify glass thickness
A01: Interface, FPC and glass step size adjustment
A00: Original Edition
Revision History:

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DRAWN:	CHECKED:	APPROVED:			
常碧波 2021-11-08	黄宏生 2021-11-08	常碧波 2021-11-08	LCM NO: GWMTF17190-LCM/D	Rev: 00	UNITS: mm
			DWG NO: ED-17190-LCM/D	SHEET 2 OF 2	