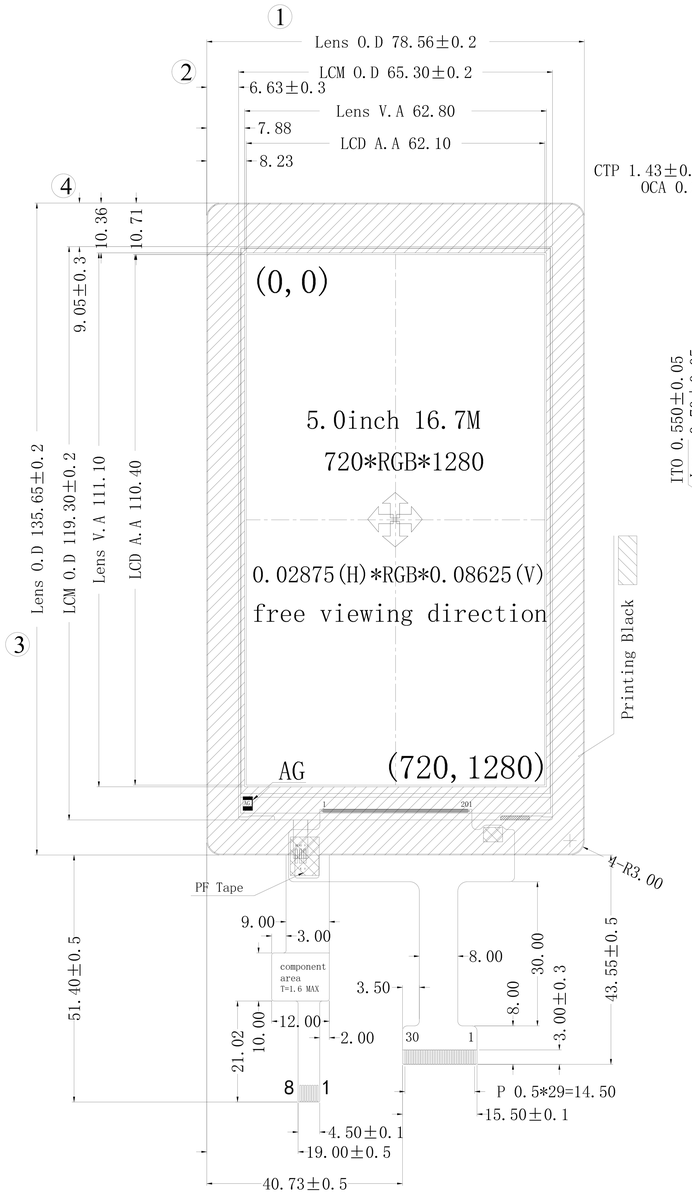
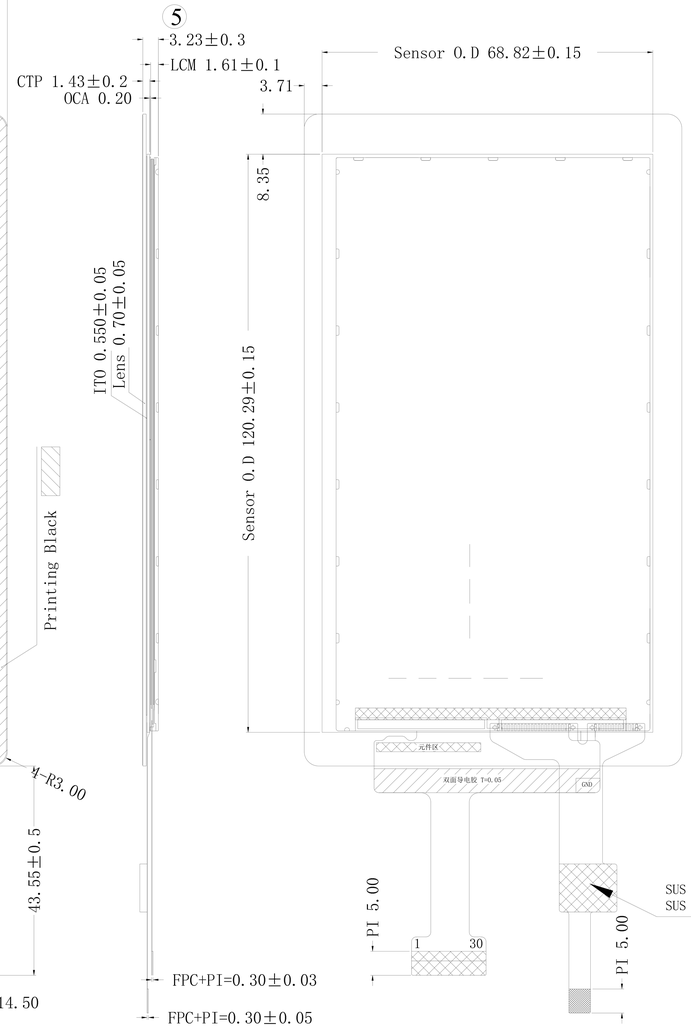
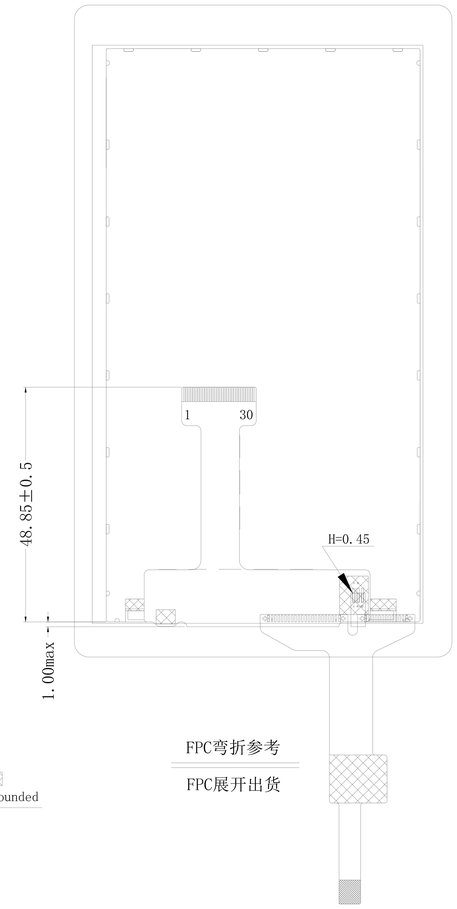






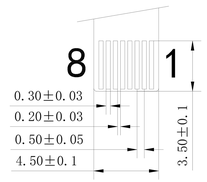
LCD-PIN DESCRIPTION

PIN	Description
1	NC
2	LEDA
3	LEDA
4	LEDK
5	LEDK
6	GND
7	VCC2.8V
8	IOVCC(1.8V)
9	NC
10	TE
11	RSTB
12	GND
13	DON
14	DOP
15	GND
16	D1N
17	D1P
18	GND
19	CLKN
20	CLKP
21	GND
22	D2N
23	D2P
24	GND
25	D3N
26	D3P
27	GND
28	GND
29	NC
30	NC

NOTES:

1. GENERAL TOLERANCE:±0.2
2. ( )REFERENCE DIMENSION
3. Important dimension: 1 5

12PCS WHITE LED;IF =40mA,VF=18.2V TYP



DETAIL"A"(3:1)

Sensor_ID:
OPT1:NC
OPT2:GND

CTP specifications:
1. COVER GLASS+SENSOR GLASS+FPC
   COVER GLASS:0.7mm
   SENSOR GLASS:0.55mm
   IC:GT911
   Resolution:720(RGB)*1280
2. Voltage:2.8-3.3V
3. Transmittance:≥86%
4. Surface hardness:6H(750gf)
5. Tem.op:-20℃~+70℃, ≤85%RH
6. Tem.st:-30℃~+80℃, ≤90%RH

PIN NO	DINFINATION
1	GND
2	VDDIO
3	VDD
4	SCL
5	SDA
6	INT
7	RST
8	GND

LCD Type	5.0"TFT,Transmissive Normally black,IPS
Resolution	720(RGB)*1280
View Direction	All o'clock
LCD driver IC	ST7703
Coloer depth	16.7M
Interface types	MIPI
Operating voltage	2.8
With TP/Lens	with CTP(IC:GT911)
Backlight	12 LEDs,40mA(typ),18.2V(ref.)
Surface luminance	280 cd/m²
Operating temperature	-20°C~70°C
Storage temperature	-30°C~80°C
Color chromaticity	[white] x:/y:

版本 (Version)	变更记录(Revise History)	日期(Date)
A0	Initial release	2021.04.24

设计(DESIGN)	Bill
审核(CHECKED)	Aron
批准(APPROVED)	Aron
客户承认 (CUSTOMER APPROVAL)	

TSD™ 一众显示 TEAM SOURCE DISPLAY

TITLE: LCM	页面(Page)	1 / 1
	单位(Unit)	mm
Drawing No. TST050HDBS-80C	比例(SCALE)	1 : 1
	角度(Angle)	