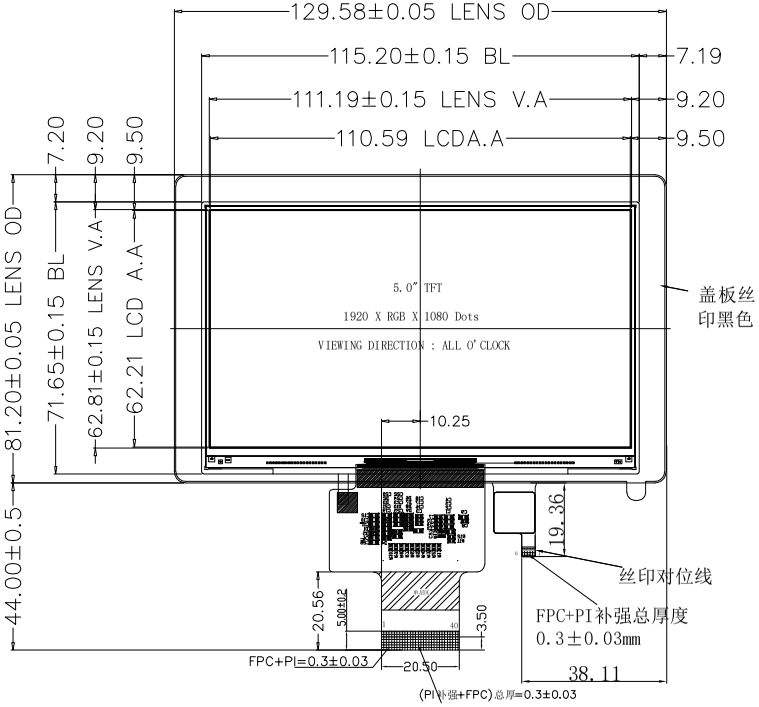
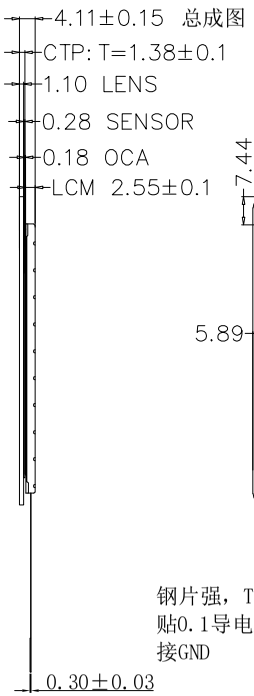
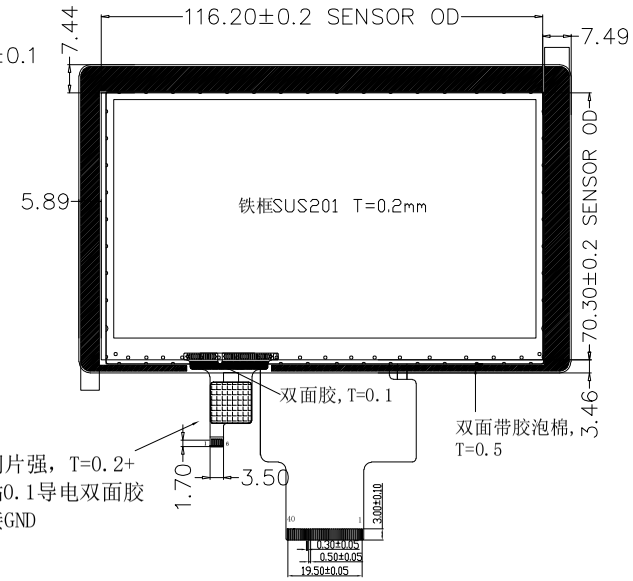
REV.	DRG DATE	DESCRIPTION	DRAWN BY







1	VCC	21	ELVOP
2	LEDK	22	GND
3	LEDA	23	ELV1N
4	VDD_□TP	24	ELV1P
5	□LVON	25	GND
6	□LVOP	26	ELVCLKN
7	GND	27	ELVCLKP
8	□LV1N	28	GND
9	□LV1P	29	ELV2N
10	GND	30	ELV2P
11	□LVCLKN	31	GND
12	□LVCLKP	32	ELV3N
13	GND	33	ELV3P
14	□LV2N	34	STBYB
15	□LV2P	35	RESET
16	GND	36	SPI_CS
17	□LV3N	37	SPI_SCL
18	□LV3P	38	SPI_SDA
19	GND	39	VSP(+5.5V)
20	ELVON	40	VSN(-5.5v)

CTP PIN

1	VDD
2	INT
3	RST
4	SCL
5	SDA
6	GND

1.LED CIRCUIT DIAGRAM:

ITEM	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	Vf	13.5		16.5	V	If= 80 mA
Chromaticity Coordinates	x	0.220		0.325	—	
	y	0.210		0.310	—	
Luminance	Lv				cd/m^2	
Uniformity	Avg	80			%	

NOTES:
1. DISPLAY TYPE: 5.0"TFT
2. VIEWING DIRECTION: ALL O'CLOCK
3. LCD DRIVE IC: SC5015DA
4. MODULE BRIGHTNESS:700 cd/m²
5. POLARIZER MODE: TRANSMISSIVE/POSITIVE
6. OPERATING TEMP: -20° C~+60° C
7. STORAGE TEMP: -30° C~+70° C
8. UNMARKER TOLERANCE: ±0.20
9. REQUIREMENTS ON ENVIRONMENTAL PROTECTION: RoHS

技术要求:
1.结构：G+F+F
2.芯片：GT911 (多点触控)
3.CG材质：旭硝子,T=0.7mm,丝印黑色
强化参数:CS≥450MPa,DOL≥9um。
透光率：≥85%
4.**CNC钢化玻璃边缘需倒角,无毛刺、无崩边,表面硬度6H;**
64g钢球50cm跌落中间三次不破,表面硬度＞6H;
5.VDD电压 : 2.8V~3.3V;I2C:2.8V-3.3V
6.背面Film 达因值:≥30,油墨达因值:≥32
7.TP表面油墨附着力要求：4B;
8.TP翘曲度:≤0.3mm
9.未注倒边:C=0.15*0.15；未注公差:±0.2
10.环保符合RoHS和REACH要求;
11.带*标注是CPK管控尺寸;CPK≥1.33;

					DRG DATE	2025.09.02
					DRAWING	
TITLE.	**LCM OUTLINE**	REV.	UNIT	SIZE	CHECK	
MODEL.	QDS50068A0-00	A	mm	A4	APPROVE	

(3)