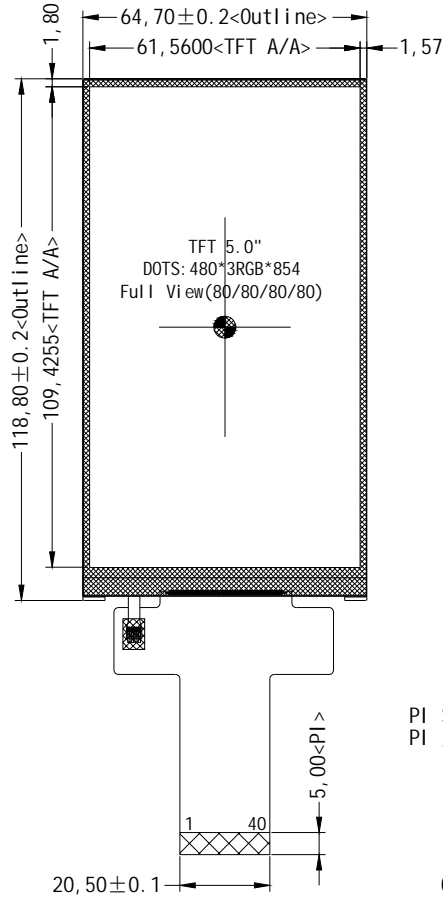


\*\*\* Do not display the fixed pattern for a long time when using a normally black panel, as it may cause image sticking due to the LCM structure. If the screen is displayed in fixed mode, use a screen saver. It is recommended to display the fixed mode in less than 2 minutes or less.

IMO	MPU Interface Mode	
0	RGB +9b_SPI (fall)	*Note1: 24-bit/pixel, Use DB[0: 7], DG[0: 7], DR[0: 7] *Note2: 18-bit/pixel, Use DB[0: 5], DG[0: 5], DR[0: 5]. Fix to GND when not in use.
1	RGB +16b_SPI (rise)	*Note3: 16-bit/pixel, Use DB[0: 4], DG[0: 5], DR[0: 4]. Fix to GND when not in use.



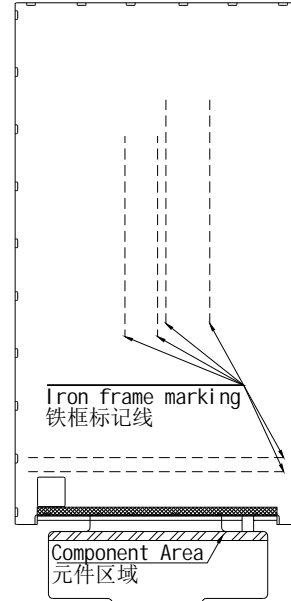
2,05 ± 0.2 <TFT>

前面 / FRONT  
背面 / REAR

PI Stiffener  
PI 加强板

Contact Side  
金手指接触面

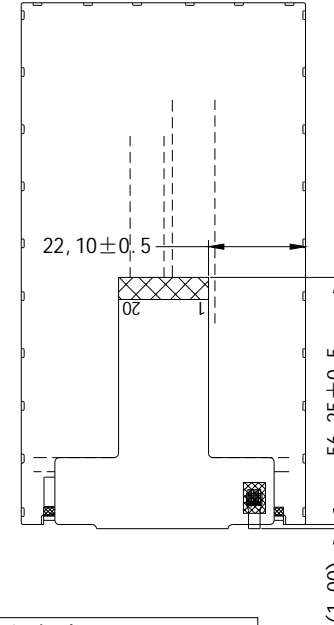
0,30 ± 0.05



Component Area  
元件区域

0,50 P0.5\*39=19,50

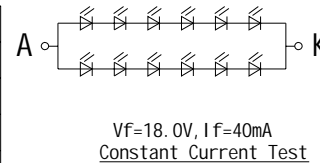
修改内容:  
1、修改FPC PIN数  
2、修改接口定义



(1,00)

Pin_SIGNAL	Pin_SIGNAL	Pin_SIGNAL	Pin_SIGNAL
1	LED_K	21	DB0
2	LED_A	22	DB1
3	GND	23	DB2
4	VCI	24	DB3
5	DR0	25	DB4
6	DR1	26	DB5
7	DR2	27	DB6
8	DR3	28	DB7
9	DR4	29	GND
10	DR5	30	PCLK
11	DR6	31	NC
12	DR7	32	HSD
13	DG0	33	VSD
14	DG1	34	DEN
15	DG2	35	IMO
16	DG3	36	GND
17	DG4	37	RESX
18	DG5	38	SPI_CS
19	DG6	39	SPI_SCL
20	DG7	40	SPI_SDA

液晶显示类型 LCD Display Type	TFT/Transmissive/Normally Black/16.7M COLOR		
观看方向/角度 Viewing Direction	Full View(U80/D80/R80/L80)	TFT 储存温度 TFT Storage Temp	-30° C~80° C
接口 Interface	RGB +9b_3SPI (fall)/16b_3SPI (rise)	驱动芯片 Driver IC	ST7701或兼容IC
工作电压 Operating Voltage	IOVCC=1.8V, VCI=3.3V (Typ)	背光 Backlight	白色/12 LED/6串2并
TFT 工作温度 TFT Operating Temp	-20° C~70° C	液晶模组亮度 LCM Brightness	450 cd/m <sup>2</sup> (Typ)



Dwg Title: TFT-H050A5FWI ST4N40			
Scale: 1:1	Unit: MM	Tol: ±0.3	
Ver: V1	Drawn: Liu.YL	Date: 2021-08-26	