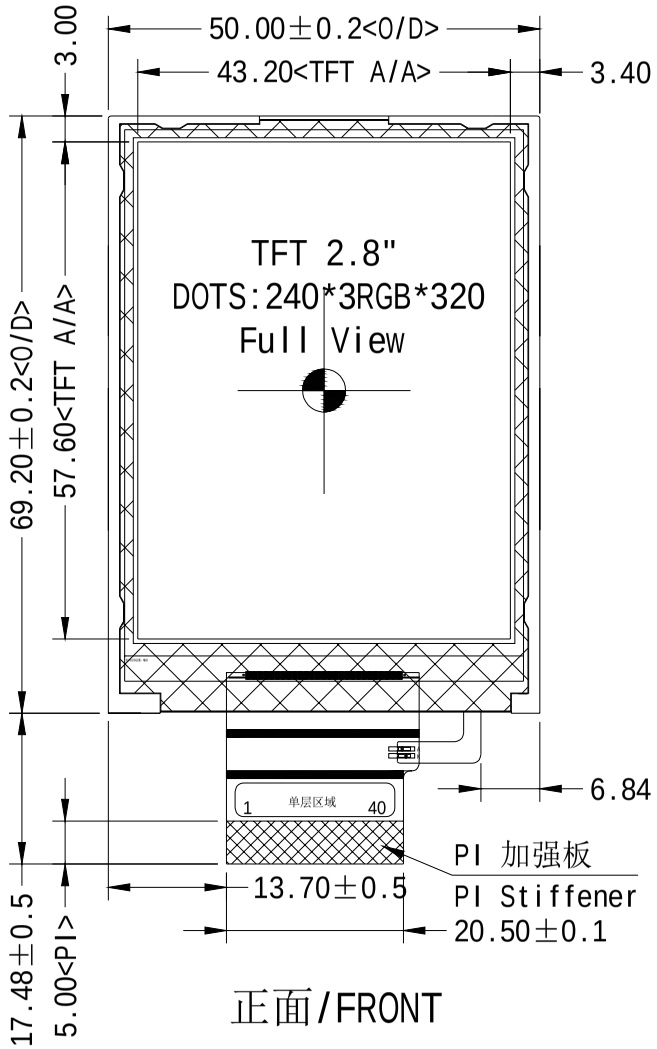
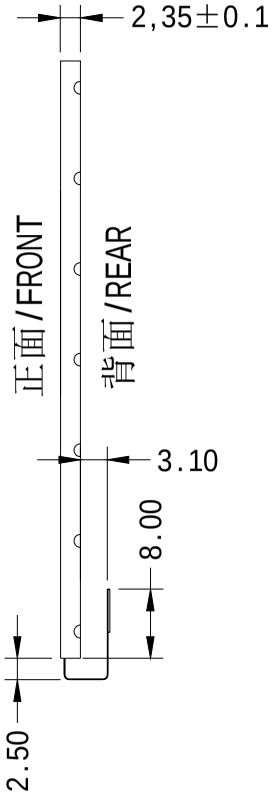
***为防止LCD产生图像残留，在使用常黑面板时不要长时间显示固定图案。 如果LCD需要显示固定图案，建议时间少于 2 分钟或者更短的时间内刷新显示内容一次或多次。
***In order to prevent the LCD from producing image retention, do not display a fixed pattern for a long time when using a normally black panel. If the LCD needs to display a fixed pattern, it is recommended to refresh the display one or more times in less than 2 minutes or less.
强烈建议使用黑色图像或移动图像作为屏幕保护程序。It is strongly recommended to use a black image or moving image as a screen saver.

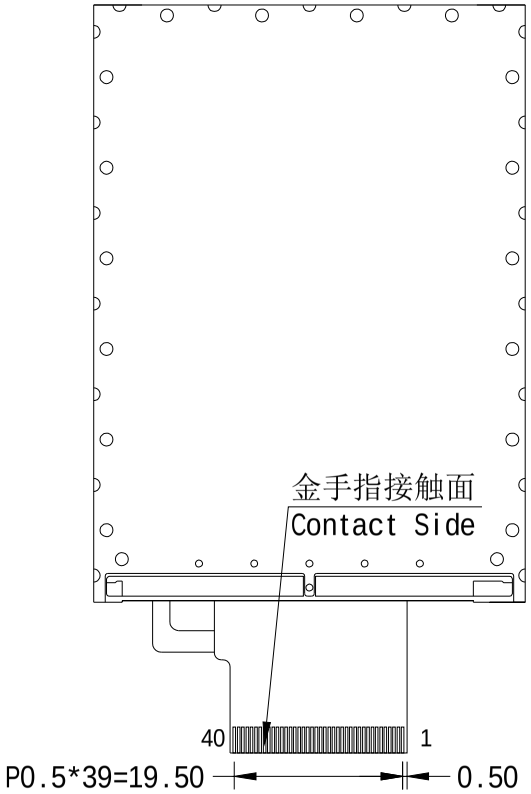
注释Note1:IM0=GND,MCU 16Bit;IM0=VCI,MCU 8Bit
注释Note2:PIN32与PIN40内部短接(PIN32 and PIN40 are shorted internally)



正面/FRONT



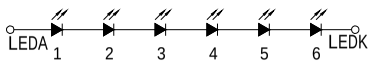
侧面/Side



背面/REAR

Pin_SIGNAL		Pin_SIGNAL	
1	GND	21	DB7
2	NC	22	DB8
3	NC	23	DB9
4	NC	24	DB10
5	NC	25	DB11
6	NC	26	DB12
7	VCI	27	DB13
8	IOVCC	28	DB14
9	NC	29	DB15
10	CS	30	RESET
11	RS	31	IM0
12	WR	32	Loop out
13	RD	33	GND
14	DB0	34	NC
15	DB1	35	NC
16	DB2	36	NC
17	DB3	37	LEDK
18	DB4	38	LEDA
19	DB5	39	GND
20	DB6	40	Loop in

液晶显示类型 LCD Display Type	薄膜晶体管/透射式/常黑/262K 色 TFT/Transmissive/Normally Back/262K COLOR		
观看方向/角度 Viewing Diretion	FuLL O'Clock (U80/D80/L80/R80)	TFT 储存温度 TFT Storage Temp	-30 ℃ ～ 80 ℃
接口 Interface	8080 MCU 8/16 Bit	驱动芯片 Driver IC	ST7789V
工作电压 Operating Voltage	VCI=2.8V,IOVCC=1.8V(Typ)	背光 Backlight	白色/6 LEDs/1串6并
TFT 工作温度 TFT Operating Temp	-20 ℃ ～ 70 ℃	液晶模组亮度 LCM Brightness	600 cd/m² (Typ)/固定电流测试



Vf=16.8 ～ 19.8V,If=20mA
Constant Current Test

HOTHMI

产品型号 Product model	TFT-H028A1QVIST6N40		
比例 Scale 1:1	设计制图 Design Liu.YL	日期 Date 2021-11-26	
版本 Ver V10	单位 Unit MM	公差 Tol. ±0.3	