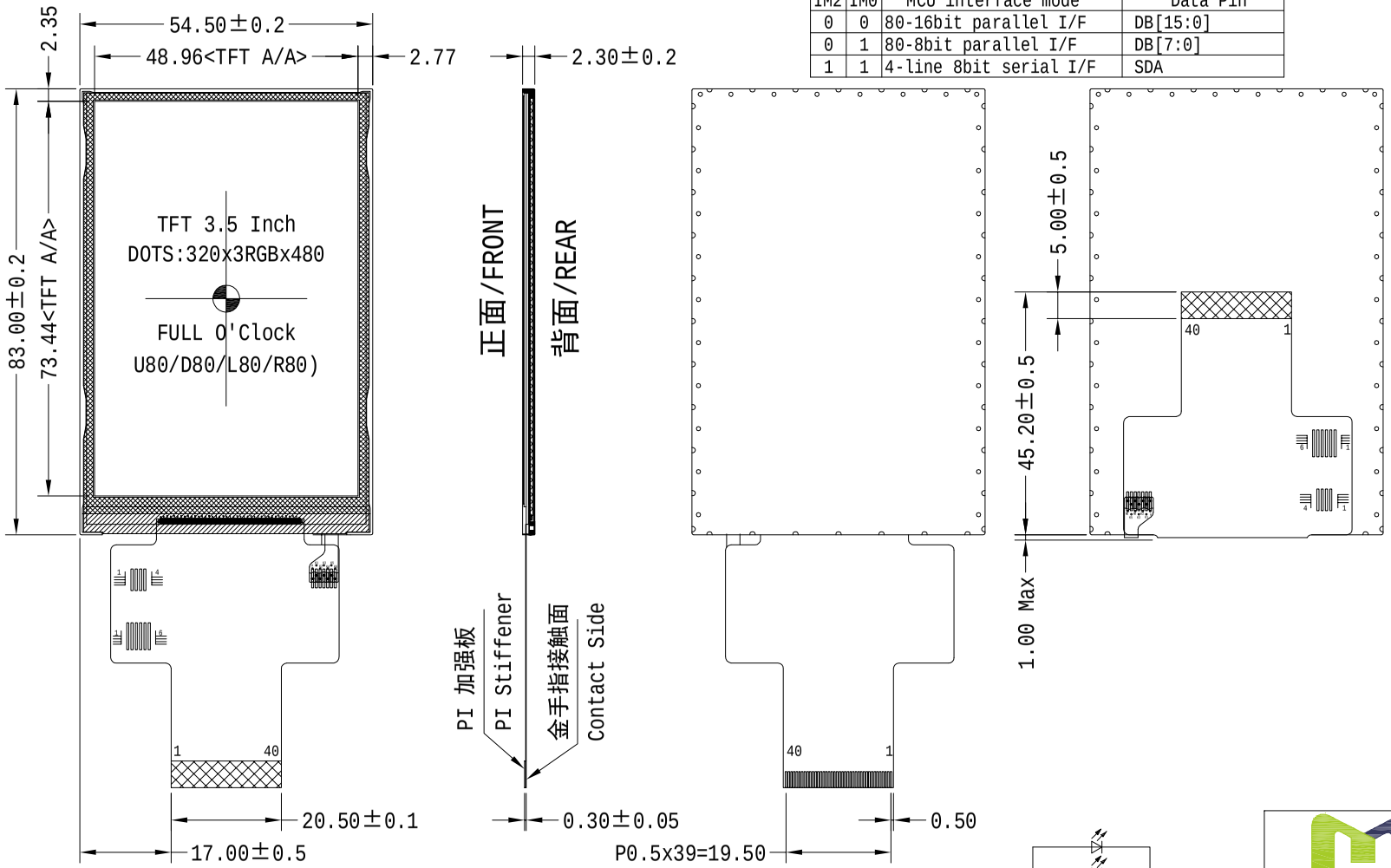
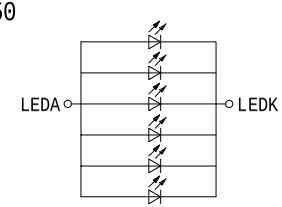
***为防止LCD产生图像残留，在使用常黑面板时不要长时间显示固定图案。如果LCD需要显示固定图案，建议时间少于 2 分钟或者更短的时间内刷新显示内容一次或多次。
***In order to prevent the LCD from producing image retention, do not display a fixed pattern for a long time when using a normally black panel.If the LCD needs to display a fixed pattern, it is recommended to refresh the 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.

The MCU interface mode select			
IM2	IM0	MCU interface mode	Data Pin
0	0	80-16bit parallel I/F	DB[15:0]
0	1	80-8bit parallel I/F	DB[7:0]
1	1	4-line 8bit serial I/F	SDA



Pin_SIGNAL		Pin_SIGNAL	
1	TE	21	DB7
2	SDA/YD	22	DB8
3	SCL/XR	23	DB9
4	RTN/YU	24	DB10
5	INT/XL	25	DB11
6	CTP_VDD	26	DB12
7	VCI	27	DB13
8	VCI	28	DB14
9	SDA	29	DB15
10	CSX	30	RESX
11	RSX	31	IM0/
12	WRX	32	IM2/
13	RDX	33	GND
14	DB0	34	LEDK
15	DB1	35	LEDK
16	DB2	36	LEDK
17	DB3	37	LEDK
18	DB4	38	LEDA
19	DB5	39	GND
20	DB6	40	GND



Vf=6.0 ～ 6.8V,If=120mA
Constant Current Test

液晶显示类型 LCD Display Type	薄膜晶体管/透射式/常黑/262K 色 TFT/Transmissive/Normally Black/262K COLOR		
观看方向/角度 Viewing Diretion	Full View(U80/D80/R80/L80)	TFT 储存温度 TFT Storage Temp	-30 ℃ ～ 80 ℃
接口 Interface	MCU 8 / 16bit , 4-Line Serial	驱动芯片 Driver IC	ST7796<TFT>
工作电压 Operating Voltage	VCI=3.3V(Type)	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	1000cd/m² (Typ)/固定电流测试

HOTHMI

产品型号 Product model	TFT-H035A12HVISTKN40		
比例 Scale 1:1	设计制图 Design Liu.YL	日期 Date 2023-02-20	
版本 Ver V0-0	单位 Unit MM	公差 Tol. ±0.3	