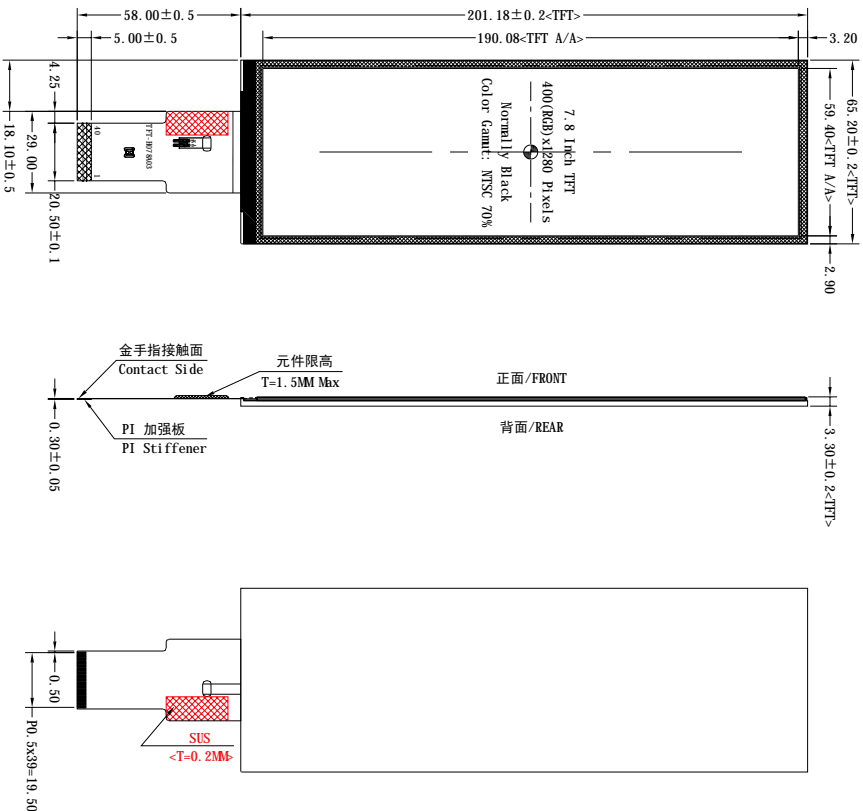


***为防止LCD产生图像残留，在使用常黑面板时不要长时间显示固定图案，建议时间少于 2 分钟或者更短的时间内刷新显示内容一次或多次。
 ***In order to prevent the LCD from producing image retention, do not display a fixed pattern for a long time when using a normally black panel. If the LCD needs to display a fixed pattern, it is recommended to refresh the display one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

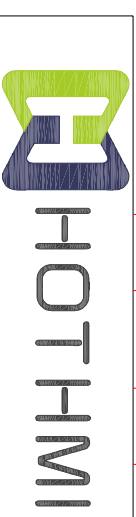
字体：黑体
bold (typeface)

TFT Pin SIGNAL	
1	LEDK 21 DB0
2	LEDA 22 DB1
3	GND 23 DB2
4	VCI 24 DB3
5	DB0 25 DB4
6	DB1 26 DB5
7	DB2 27 DB6
8	DB3 28 DB7
9	DB4 29 GND
10	DB5 30 PCLK
11	DB6 31 NC
12	DB7 32 HSD
13	DC0 33 VSD
14	DC1 34 DEN
15	DC2 35 NC
16	DC3 36 GND
17	DC4 37 RESX
18	DC5 38 SPI-CS
19	DC6 39 SPI-SCL
20	DC7 40 SPI-SDI

Description 1: 24-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 7], DC[0: 7], DB[0: 7]
 Description 2: 18-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 5], DC[0: 5], DB[0: 5]
 Description 3: 16-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 4], DC[0: 5], DB[0: 4]
 Description 4: If not used, Please let them connect to GND
 Description 5: SPI initialisation code required for RGB interface



观看方向/角度 Viewing Direction	U80 / D80 / R80 / L80	TFT 储存温度 TFT Storage Temp	-30 °C ~ 80 °C
接口 Interface	SPI + RGB (Default) Or RGB	驱动芯片 Driver IC	NV3051 <TFT> 或兼容芯片
工作电压 Operating Voltage	VCI = 3.0 ~ 3.3V (Type)	背光驱动条件 Backlight conditions	Vf = 17.0 ~ 19.0V, If = 100 mA
TFT 工作温度 TFT Operating Temp	-20 °C ~ 70 °C	液晶模组亮度 LCM Brightness	700 cd/m ² (Typ) / 固定电流测试



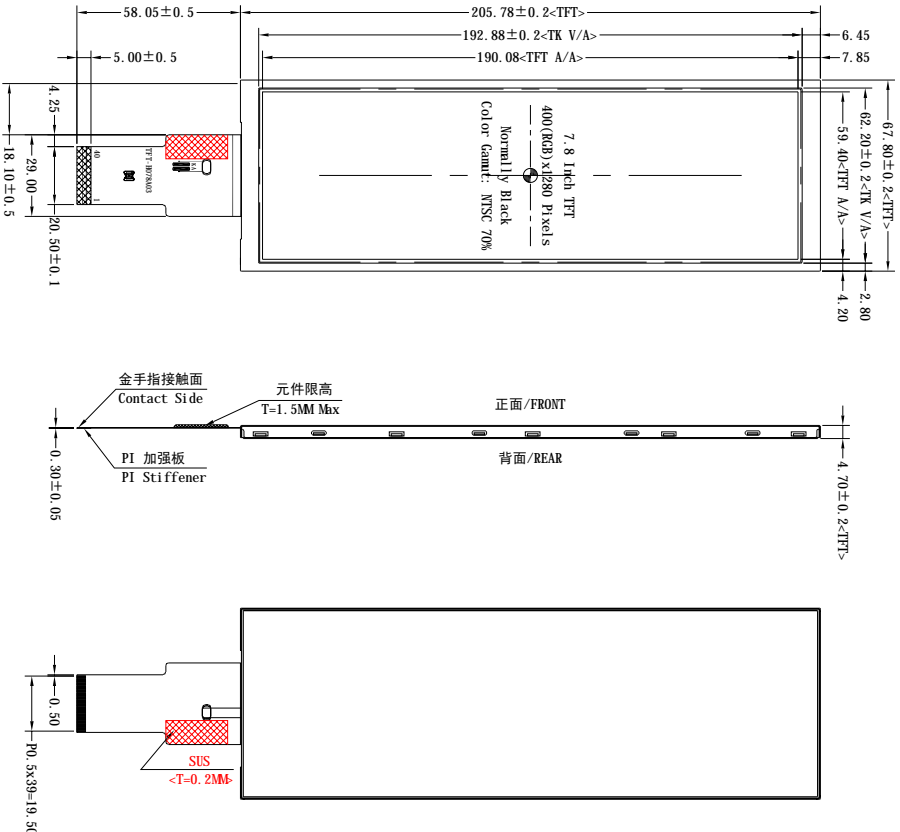
产品型号 Product model	TFT-H078A03ZAINV7N40		
比例 Scale	1:1	设计制图 Design	Li u. YL
版本 Ver	V1-0	单位 Unit	MM
		公差 Tol.	±0.3
		日期 Date	2024-05-21

***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，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.

字体：黑体
bold (typeface)

TFT Pin SIGNAL			
1	LEDK	21	DB0
2	LEDA	22	DB1
3	GND	23	DB2
4	VCI	24	DB3
5	DB0	25	DB4
6	DB1	26	DB5
7	DB2	27	DB6
8	DB3	28	DB7
9	DB4	29	GND
10	DB5	30	PCLK
11	DB6	31	NC
12	DB7	32	HSD
13	DC0	33	VSD
14	DC1	34	DEN
15	DC2	35	NC
16	DC3	36	GND
17	DC4	37	RESX
18	DC5	38	SPI-CS
19	DC6	39	SPI-SCL
20	DC7	40	SPI-SDI

Description 1: 24-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 7], DG[0: 7], DB[0: 7]
Description 2: 18-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 5], DG[0: 5], DB[0: 5]
Description 3: 16-bit RGB interface
 Used Pins VSD, HSD, DEN, PCLK, DR[0: 4], DG[0: 5], DB[0: 4]
Description 4: If not used, Please let them connect to GND
Description 5: SPI initialisation code required for RGB interface



观看方向/角度 Viewing Direction	U80/DB0/R80/L80	TFT 储存温度 TFT Storage Temp	-30 °C ~ 80 °C
接口 Interface	SPI +RGB (Default) Or RGB	驱动芯片 Driver IC	NV3051 <TFT> 或兼容芯片
工作电压 Operating Voltage	VCI=3.0 ~ 3.3V (Type)	背光驱动条件 Backlight conditions	VF= 18.0 ~ 20.0V, IF= 260 mA
TFT 工作温度 TFT Operating Temp	-20 °C ~ 70 °C	液晶模组亮度 LCM Brightness	1500 cd/m ² (Typ) / 固定电流测试

产品型号
 Product model **TFT-H078A03ZAINVGN40**

比例
 Scale 1:1

设计制图
 Design Liu, YL

日期
 Date 2024-05-21

版本
 Ver V1-1

单位
 Unit MM

公差
 Tol. ±0.3

A B C D A B C D