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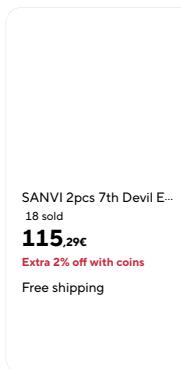
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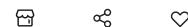
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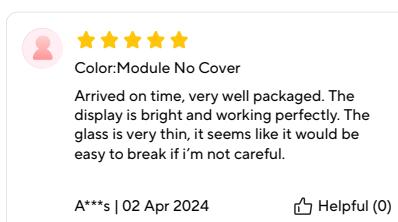
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Specifications

Display Mode	/	Model Number	/
Type	TFT	Brand Name	maithoga
Origin	Mainland China		

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Description

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IPS 0.96 inch TFT LCD Round Screen Module

Product Description

- 0.96inch color screen with 240x198 resolution of 65K colors and rich display colors
- The upgrade adopts IPS full view panel, with good visual angle
- On board level conversion circuit, compatible with 5V and 3.3V MCU
- Adopting a 4-wire SPI serial bus to save I/O pins
- Modules can be selected with or without glass cover plates
- Unique circular display screen
- Module input supports slot interfaces with a spacing of 1.25mm
- Provide rich example learning programs (ESP32/STM32/Arduno UNO&Mage2560/C51/CH32/RaspberryPi)
- Provide low-level driver technical support, and update WIKI information online
- Multiple tests for module aging can meet military level standards, supporting long-term stable work

Product Parameters

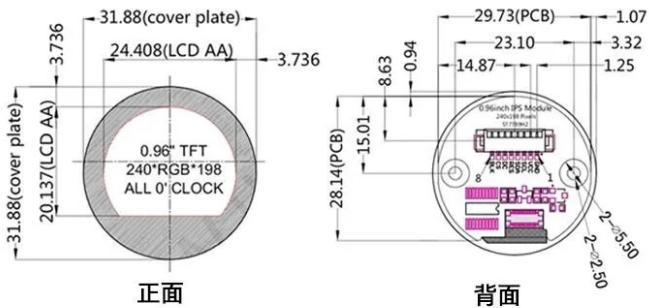
Name	Parameter
LCD Parameters	
Screen Size	0.96inch
Screen Type	IPS
Resolution	240xRGBx198(pixels)
Active Area (AA area)	24.408(W)x20.137(H)(mm)
Number of Colors(Max)	65K
Driver IC	ST7789H2
Display Interface	4-Line SPI
Pixel Size	0.1017(H)x0.1017(V)(mm)
View Angle	ALL 0° CLOCK
Brightness(TYP)	300(cd/m²)
Backlight Type	White LED*2
Operation Temperature	-10~60(°C)
Storage Temperature	-20~70(°C)
Size Parameters	
TFT Outline Size	27.4±0.2(W)x27.0±0.2(H)x1.31±0.15(D)(mm)(Excluding adhesive backing)
Module Outline Size	NO Glass Cover Plate:29.73(W)x28.14(H)x6.66(D)(mm)(Including positioning columns) Have Glass Cover Plate:31.88(W)x31.88(H)x9.65(D)(mm)(Including positioning columns)
Electrical Parameters	
Working Voltage	5.0 V/3.3V
Backlight Current	40 mA
Power	0.09 W

Interface Function Description

Number	Interface	Function Description
①	8P slot	1.25mm spacing slot, module signal input pins

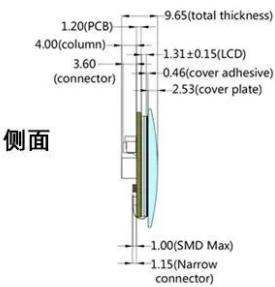
Pin Function Description

Number	Pin Label	Description
1	GNDVCC	LCD Power ground
2	VCC	LCD power positive(it is recommended to connect to 5V. When connected to 3.3V, the backlight brightness will be slightly dim)
3	CL	LCD SPI bus clock signal
4	SDA	LCD SPI bus write data signal
5	RES	LCD reset control signal, Low level reset
6	DC	LCD command / data selection control signal High level: data, low level: command
7	CS	LCD selection control signal, Low level active
8	BLK	LCD backlight control signal (If you need control, please connect the pins. If you don't need control, you can skip it)



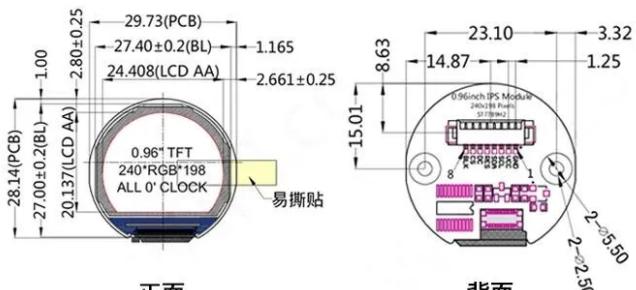
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背面



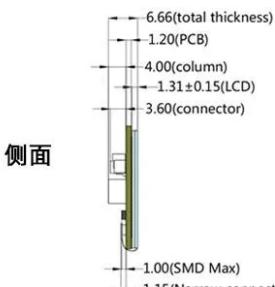
侧面

名称	圆形有玻璃盖板:
屏幕尺寸	0.96 英寸
驱动IC	ST7789H2
显示接口	4-Line SPI
分辨率	240 x 198
重量	25g



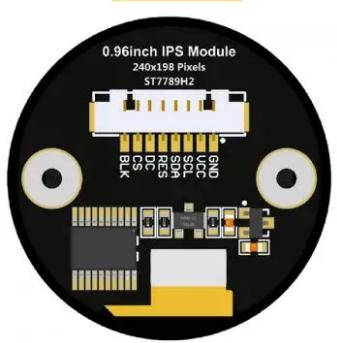
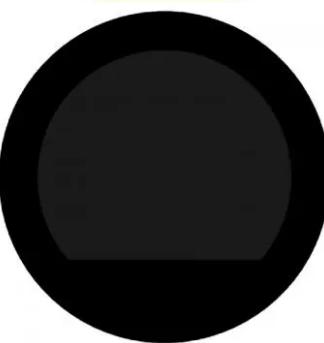
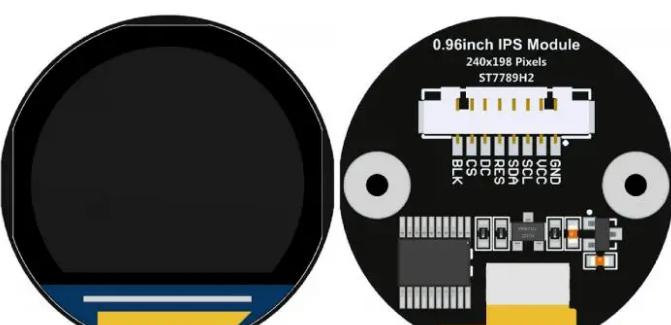
正面

背面



侧面

名称	圆形无玻璃盖板：
屏幕尺寸	0.96 英寸
驱动IC	ST7789H2
显示接口	4-Line SPI
分辨率	240 x 198
重量	21g



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IPS 0.96 inch TFT LCD Square Screen Module

Product Description

- 0.96inch color screen with 240x198 resolution of 65K colors and rich display colors
- The upgrade adopts IPS full view panel, with good visual angle
- On board level conversion circuit, compatible with 5V and 3.3V MCU
- Adopting a 4-wire SPI serial bus to save I/O pins
- Unique circular display screen
- Module Input supports a 2.54mm spacing needle interface
- Provide rich example learning programs (ESP32/STM32/Arduino UNO&Mage2560/C51/CH32/RaspberryPi)
- Provide low-level driver technical support, and update WIKI information online
- Multiple tests for module aging can meet military level standards, supporting long-term stable work

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Product Parameters

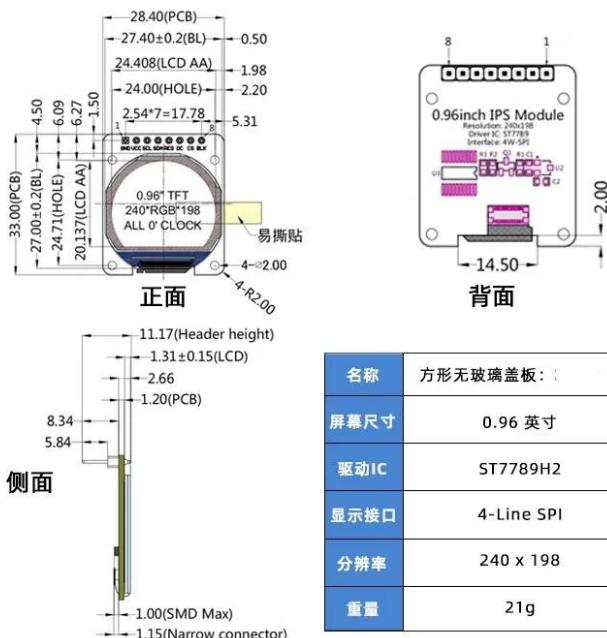
Name	Parameter
LCD Parameters	
Screen Size	0.96inch
Screen Type	IPS
Resolution	240xRGBx198(pixels)
Active Area (AA area)	24.408(W)x20.137(H)(mm)
Number of Colors(Max)	65K
Driver IC	ST7789H2
Display Interface	4-Line SPI
Pixel Size	0.1017(H)x0.1017(V)(mm)
View Angle	ALL 0° CLOCK
Brightness(TYP)	300(cd/m²)
Backlight Type	White LED*2
Operation Temperature	-10~60(°C)
Storage Temperature	-20~70(°C)
Size Parameters	
TFT Outline Size	27.4±0.2(W)x27.0±0.2(H)x1.31±0.15(D)(mm)(Excluding adhesive backing)
Module Outline Size	28.4(W)x33.0(H)x11.17(D)(mm)(Including Pin Header)
Electrical Parameters	
Working Voltage	5.0 V/3.3V
Backlight Current	40 mA
Power	0.09 W

• Interface Function Description

Number	Interface	Function Description
①	8P pin arrangement	2.54mm spacing row pins, module signal input pins

• Pin Function Description

Number	Pin Label	Description
1	GNDVCC	LCD Power ground
2	VCC	LCD power positive(It is recommended to connect to 5V. When connected to 3.3V, the backlight brightness will be slightly dim)
3	CL	LCD SPI bus clock signal
4	SDA	LCD SPI bus write data signal
5	RES	LCD reset control signal, Low level reset
6	DC	LCD command / data selection control signal High level: data, low level: command
7	CS	LCD selection control signal, Low level active
8	BLK	LCD backlight control signal (If you need control, please connect the pins. If you don't need control, you can skip it)



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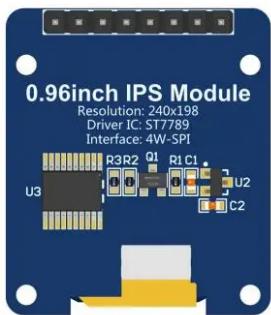
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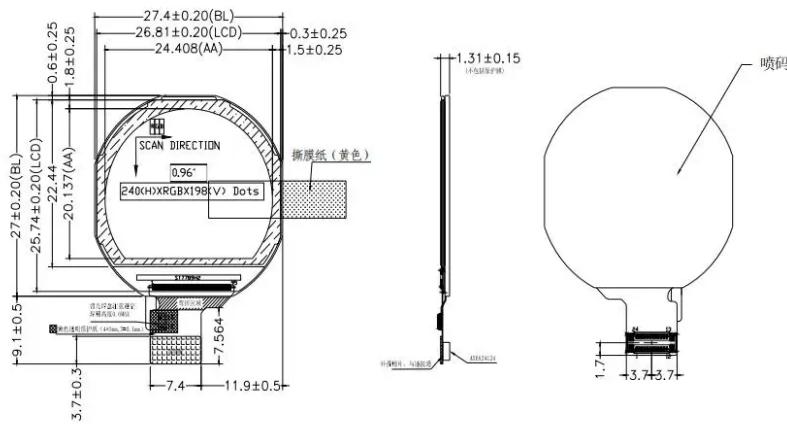
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IPS 0.96 inch TFT LCD Screen

Item of general information 项目	Contents 内容	Unit 单位
LCD Type 液晶显示类型	TFT/TRANSMISSIVE,NORMALLY BLACK	/
Recommended Viewing Direction 模块推荐使用方向	Full angle	O' Clock
Modul area (W x H x T) 模块外围尺寸 (宽 x 高x厚)	27.4×27×1.31	mm ³
Active area (W x H) 有效区域 (宽 x 高)	24.408×20.137	mm ²
Number of Dots 点阵	240RGB×198	/
Pixel pitch (W x H) 像素间距(宽 x 高)	0.1017×0.1017	mm ²
Driver IC 驱动集成电路	ST7789H2	/
Interface Type 接口类型	SPI + MCU	/
Input voltage 输入电压	2.8	V
Module Power consumption 模块功耗	90	mw
Colors 色彩	65K colors	/
Backlight Type 背光类型	LED	/



Pin Assignment	
1	VSS
2	IM1V2
3	RES
4	NC
5	CS
6	DCX/SCL
7	NC
8	VDDIO
9	VDD
10	NC
11	LEDK
12	LEDA
13	TE
14	D7
15	D6
16	D5
17	D4
18	D3
19	D2
20	D1
21	D0
22	SDA
23	RD
24	WR/A0

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Screen No Cover



Screen with Cover



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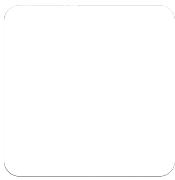
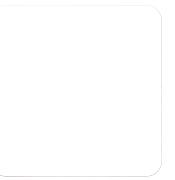
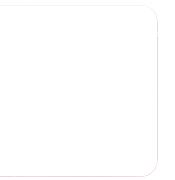
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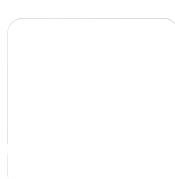
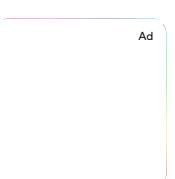
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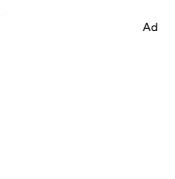
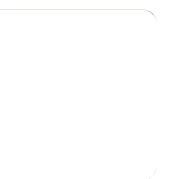
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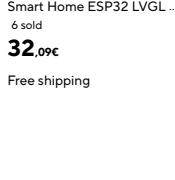
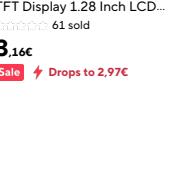
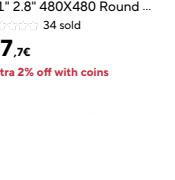
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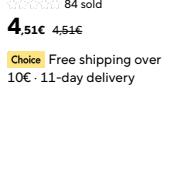
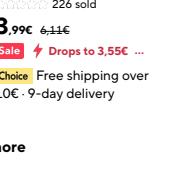
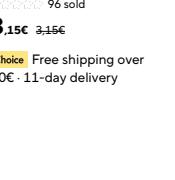
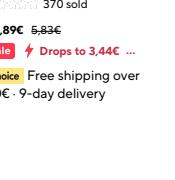
					
IPS 1.28 inch 15PIN SPI 2... 21 sold 4,35€	19.0 inch TFT LCD Screen... 239,14€	19.0 inch TFT LCD Screen... 189,71€	15.0 inch TFT LCD Screen... 187,41€	10.4 inch 262K TFT LCD S... 190,91€	12.1 inch 262K/16.2M TF... 185,01€

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DC 3.3V 1.28 inch TFT LC... 44 sold 3,16€	TFT Display 1.28 Inch TFT ... 13 sold 2,61€	TFT Display 1.28 Inch TFT ... 1,000+ sold 2,63€	ESP32 Arduino LVGL WIF... 4000+ sold 8,47€	FM1-N255-000 220-240V... 2 sold 325,08€	1.28 inch IPS Color TFT L... 291 sold 2,78€

					
0.96 Inch 240*198 ST7789... 600+ sold 4,94€	STM32 1.28inch Round L... 3 sold 28,48€	IPS 2.8 inch 40PIN SPI+R... 4 sold 25,68€	Nitecore BB2 Electronic B... 19 sold 106,21€	TFT Display 1.28 Inch TFT ... 500+ sold 3,43€	1.28 inch TFT Screen Disp... 125 sold 2,78€

					
Smart Home ESP32 LVGL ... 6 sold 32,09€	ESP32-TFT development ... 21 sold 8,53€	DC60D DC70D Mebay El... 3 sold 125,61€	TFT Display 1.28 Inch LCD... 61 sold 3,16€	IPS 2.1 inch 40PIN SPI RG... 8 sold 19,08€	2.1" 2.8" 480X480 Round ... 34 sold 47,7€

					
DC 3.3V 1.28 inch TFT LC... 84 sold 4,51€	Mini Esp32 RC Tank Mode... 2 sold 75,77€	1.28 inch TFT Screen LCD... 38 sold 4,98€	TFT Display 1.28 Inch TFT ... 226 sold 3,99€	DC 3.3V 1.28 inch TFT LC... 96 sold 3,15€	TFT Display 1.28 Inch TFT ... 370 sold 3,89€

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0,19€	12,96€
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67,65€	4,26€	- + - +
18,64€	18,64€	- + - +
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