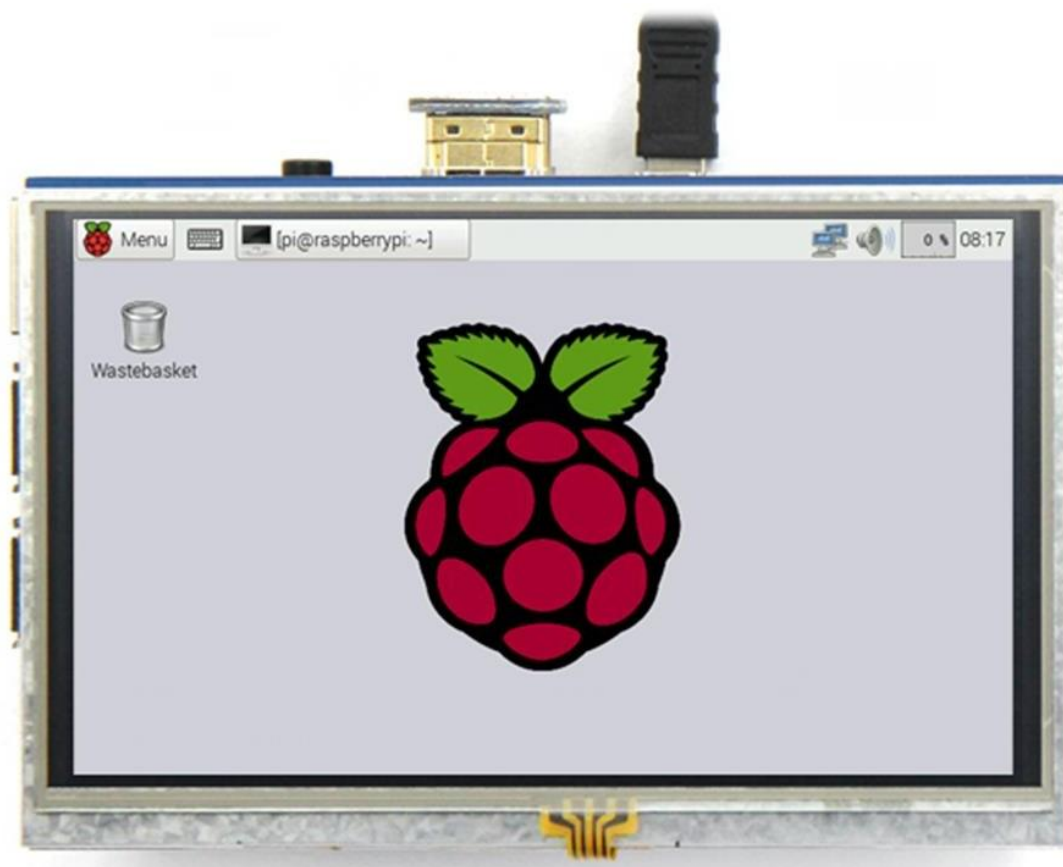


5inch HDMI Display

User Manual



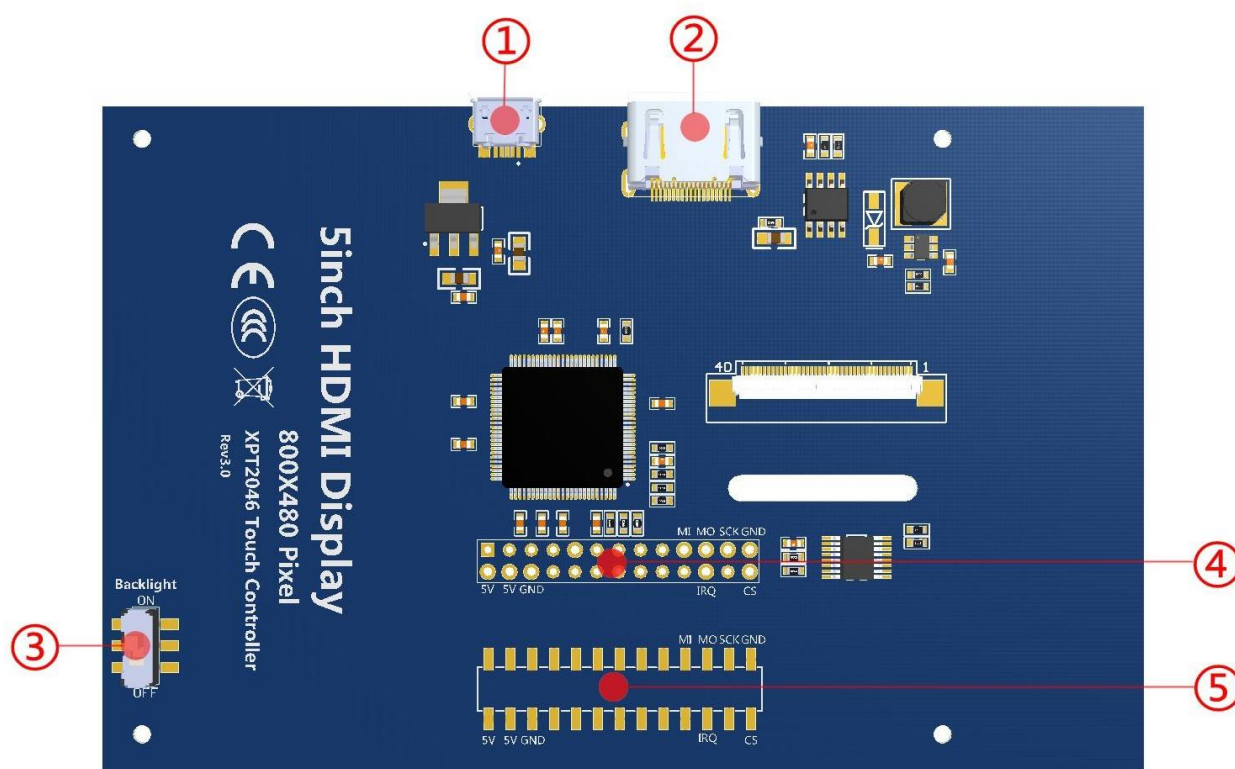
【product description】

- ◆ 5" standard display, 800 × 480 resolution
 - With resistive touch screen, support touch control
 - support backlight control alone, the backlight can be turned off to save power
 - supports standard HDMI interface input, compatible with and can be directly inserted with Raspberry Pi (3rd, 2nd, and 1st generation)
 - can be used as general-purpose-use HDMI monitor, for example: connect with a computer HDMI as the sub-display (resolution need to be able to force output for 800 x480)
 - used as a raspberry pie display that supports Raspbian, Ubuntu, Kodi, win10 IOT(resistive touch)
 - work as a PC monitor, support XP,win7, win8, win10 system(do not support touch)
 - CE, RoHS certification

【Product Parameters】

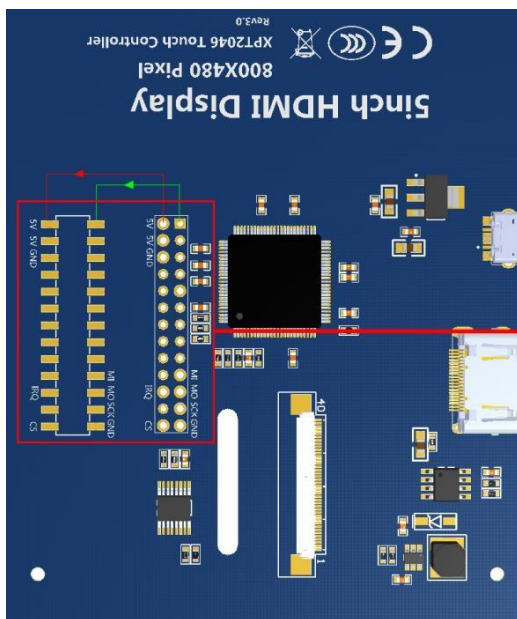
- Size: 5.0(inch)
- SKU: 6320629805
- ◆ Resolution: 800×480(dots)
- Touch: 4-wire resistive touch
- Dimensions: 121.11*77.93(mm)
- Weight: 175(g)

【Hardware Description】



- ① USB interface : Get 5V Power from USB,If ④-13*2 Pin Socket has been connected, that this USB interface can be No Connect.
- ② HDMI interface : For HDMI transmission.
- ③ Backlight Power switch : Controls the backlight turned on and off to save power.
- ④ 13*2 Pin Socket : Get 5V Power from raspberry Pi to LCD, at the same time transfer touch signal back to raspberry Pi.
- ⑤ extended interface : extended The ④-13*2 Pin Socket signal Pin-to-Pin.

【Pin Map】



Description	Pin	NO.	NO.	Pin	Description
Power input(5V)	5V	2	1	3.3V	NC
Power input(5V)	5V	4	3	SDA	NC
Power GND	GND	6	5	SCL	NC
NC	TX	8	7	P7	NC
NC	RX	10	9	GND	Power GND
NC	P1	12	11	P0	NC
Power GND	GND	14	13	P2	NC
NC	P4	16	15	P3	NC
NC	P5	18	17	3.3V	NC
Power GND	GND	20	19	MI	TP SPI Bus input(MOSI)
TP Interrupt	IRQ	22	21	MO	TP SPI Bus output(MISO)
NC	CE0	24	23	SCK	TP SPI Bus Clock(SCLK)
TP Chip Select	TCS	26	25	GND	Power GND

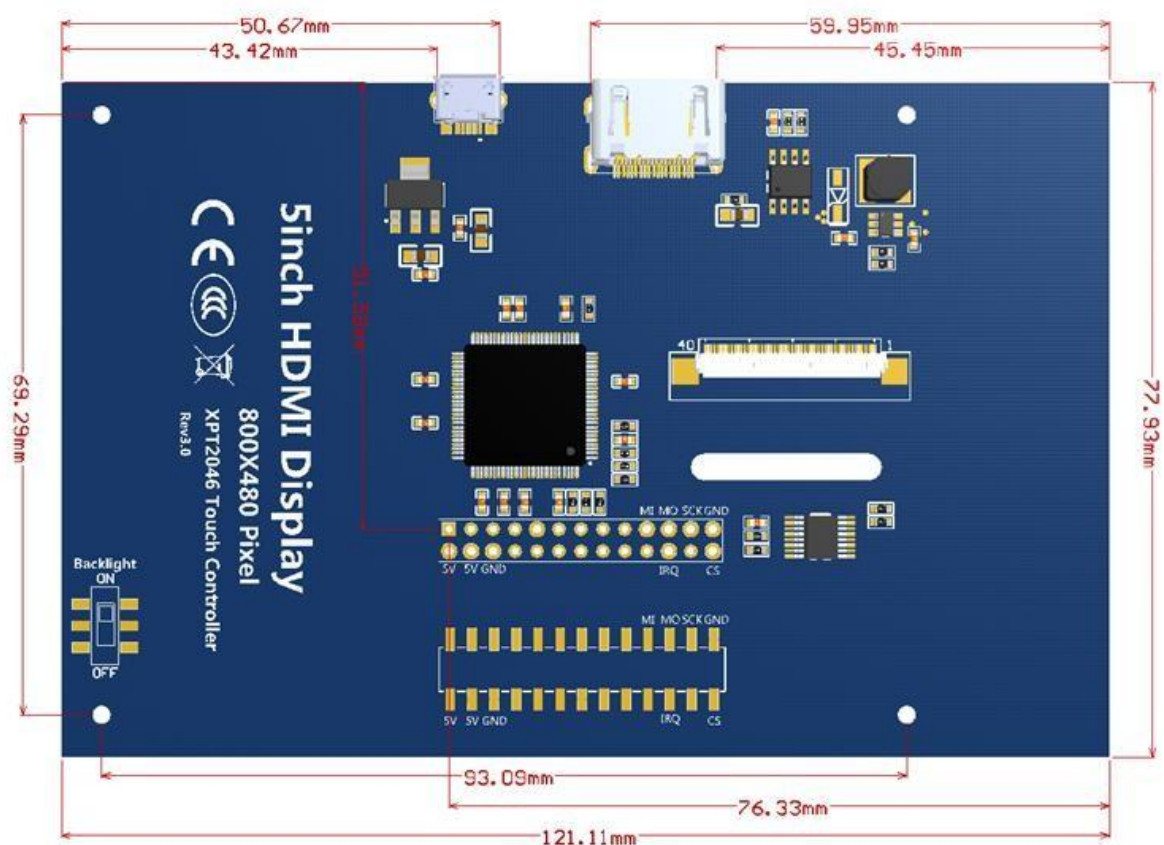
“VCC” do not used by this LCD.

you can let this 13*2 Pin to be free, just connect USB and

HDMI signal to make it display.

3) 13*2 Pin signals all extended for User.

【Dimensions】



【Connect with Raspberry Pi】

- 1) Connect The LCD 13*2 Pin socket to Raspberry Pi as the Picture show above.



- 2) Connect The LCD and Raspberry Pi with the HDMI adapter.

【How to use with Raspbian & Ubuntu Mate】

▪ Step 1, Install Raspbian or UbuntuMate official image

- 1) Download from the official website: <https://www.raspberrypi.org/downloads/>
Or <https://ubuntu-mate.org/download/>
- 2) Format TF card by SDFormatter
- 3) Burn the official image onto TF card by using Rufus, Etcher or Win32DiskImager.

▪ Step 2, Install Driver

Method 1: online installation (raspberry Pi need to connect to the Internet)

- 1) Log onto the Raspberry Pi by Putty SSH (User: pi; Password: raspberry)
- 2) Execute the following command (you can click the right mouse button to paste after copied in Putty)

```
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo ./LCD5-show
```

- 3) Wait for a moment after executing. The raspberry pi system reboots automatically. After reboot, you can use the corresponding raspberry LCD.

Method 2: offline installation

- 1) Scan the qr code on the right side Or copied the "LCD-show.tar.gz" driver file from DVD to raspberry Pi system => onto /home/pi directory. (Suggestion: copy the driver file directly to TF card after completion of Step 1, or copy by SFTP like: FileZilla client, or other methods for remote copy).
- 2) Login onto the RPI (Name: pi, Password: raspberry) by using the terminal or by Putty SSH. Unzip and extract driver files with the following commands:



```
sudo tar zxvf LCD-show-160701.tar.gz
cd LCD-show/
sudo ./LCD5-show
```

- 3) Wait for a moment after executing. The pi system reboots automatically. After reboot, you can use the corresponding raspberry LCD.

【How to use as PC Monitor】

- Connected the computer HDMI output to the LCD HDMI interface by HDMI cable.
- Connected the LCD MicroUSB to computer's USB port by USB cable.
- If you have multiple monitors, please pull the other displayer, and make this LCD as the only displayer for testing.
- As computer monitors, the touch function will not be available.