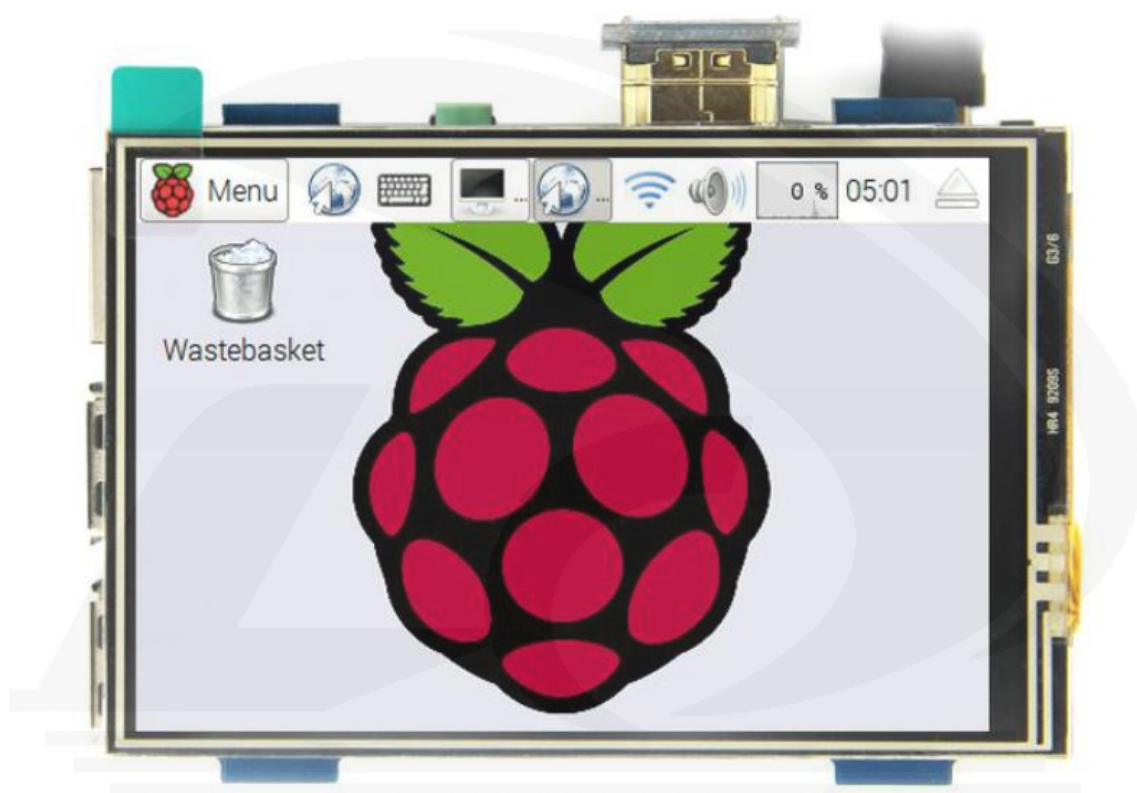# 3.5inch HDMI Display-B

MPI3508

User Manual

【Product Description】

- ◆ 3.5" standard display, 480 × 320 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 480 x320)
- ◆ Used as a Raspberry Pi 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)
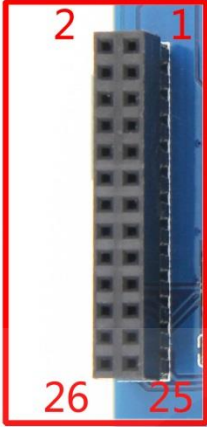- ◆ CE, RoHS certification

【Product Parameters】

- ◆ Size: 3.5(inch)
- ◆ SKU: MPI3508
- ◆ Resolution: 480×320(dots)
- ◆ Touch: 4-wire resistive touch
- ◆ Dimensions: 85.51x60.60 (mm)
- ◆ Weight: Net Weight 55(g), Gross Weight 135(g)

【Hardware Description】
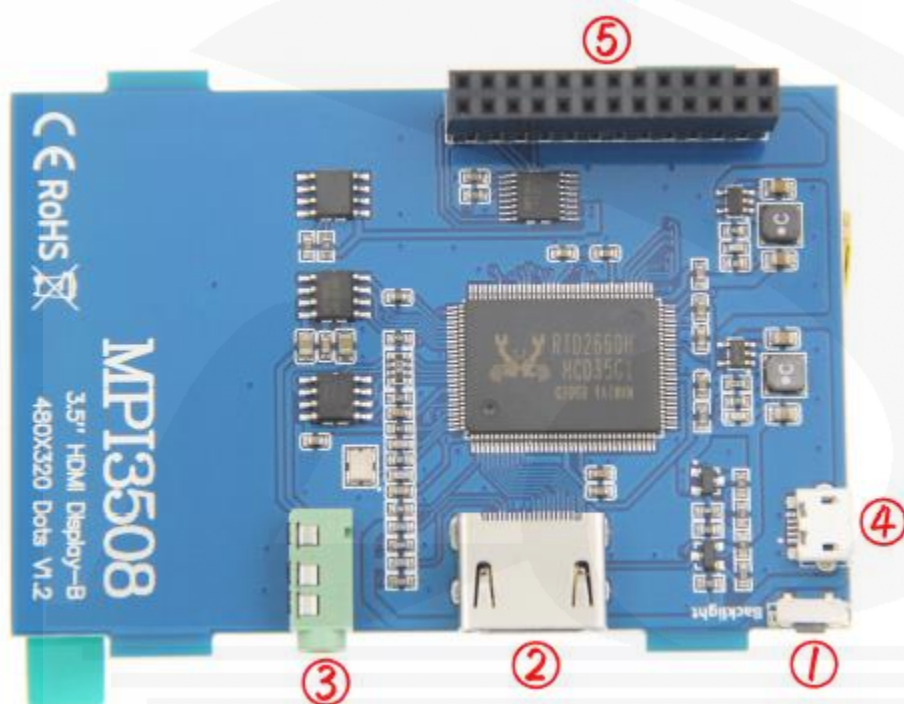
① Backlight adjustment button: Short press backlight change 10%, long press 3 seconds to close backlight

② HDMI interface: For connecting motherboard and LCD monitor

③ Earphone: Earphone socket

④ Micro USB: For power supply

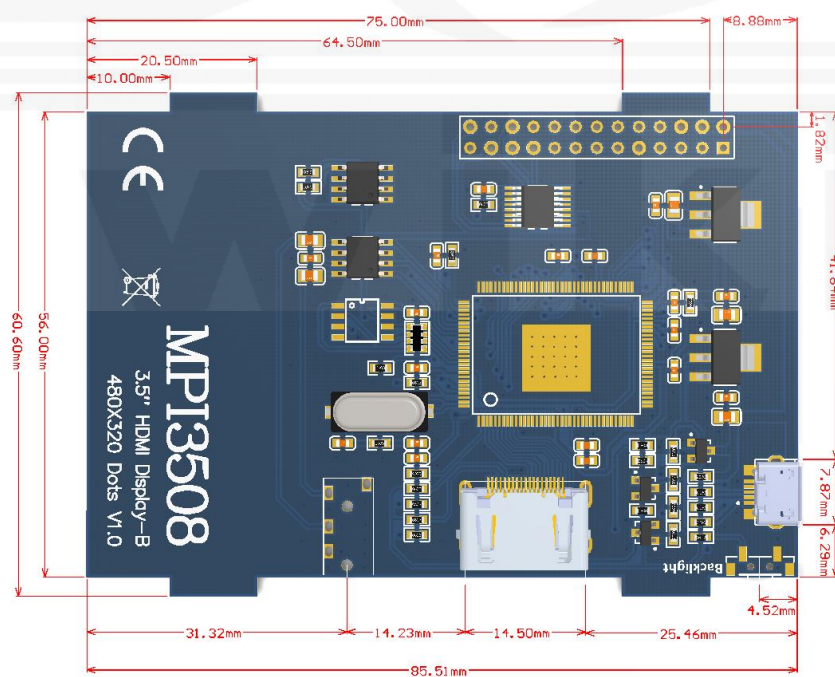⑤ 13*2 Pin Socket：Get 5V Power from raspberry Pi to LCD, at the same time transfer touch signal back to Raspberry Pi.

instruction	PIN	PIN	instruction
VCC 5V	2	1	NC
VCC 5V	4	3	NC
GND	6	5	NC
NC	8	7	NC
NC	10	9	GND
NC	12	11	NC
GND	14	13	NC
NC	16	15	NC
NC	18	17	NC
GND	20	19	TP_MOSI
TP_IRQ	22	21	TP_MISO
NC	24	23	TP_SCLK
TP_CS	26	25	GND

【Dimensions】

【Connect with Raspberry Pi】

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

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 into TF card by using **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**)

```
sudo rm -rf LCD-show
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo ./MPI3508-show
```

3) Wait for a moment after executing, then you can use the corresponding raspberry LCD.

Method 2: offline installation

Extract from the companion DVD or Download from the following address

http://www.lcdwiki.com/res/RaspDriver/LCD-show.tar.gz

1) Copy the **LCD-show.tar.gz** drive to the **Raspberry Pi** system root directory
   (Suggestion: Copy the **LCD-show.tar.gz** driver directly to Micro SD card after completion of Step 1, or copy by SFTP or other methods for remote copy)

2) Unzip and extract drive files as the following command:

```
cd /boot
sudo tar zxvf LCD-show.tar.gz
cd LCD-show/
sudo ./MPI3508-show
```

3) Wait for a moment after executing, then you can use the corresponding 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.