OLED SHIELD

Features

- The color OLED (Organic Light Emitting Diode) Shield is a parallel 6/8 bits mode.
- 2" diagonal, 128x160 pixels Graphic Display
- LD7222 COG LCD controller
- Works in +3.3 V logic.
- Typical applications: Display for Mobile Phone and Mp3.

Organic LED Display Shield

MAJOR COMPONENTS PRESENTATION

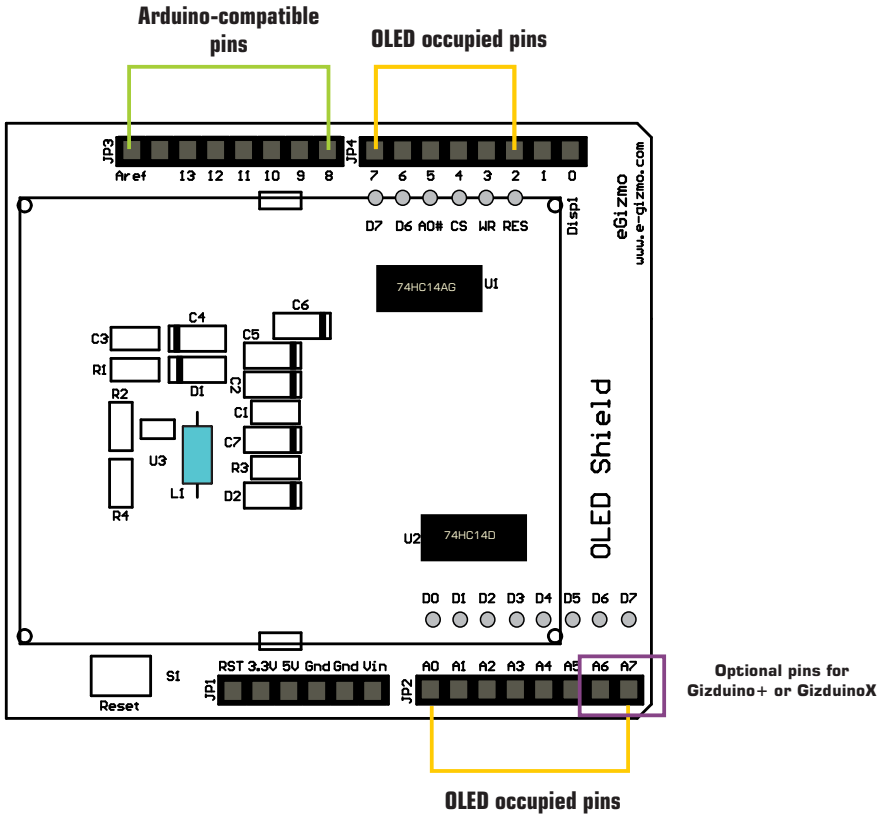


Table1. OLED Pins and descriptions

OLED Pins	Description
A0#	Address
CS	Chip Select
WR	Write
RES	Reset
D0-D7	Data bus

Organic LED Display Shield

INSTRUCTIONS

Precautions using the OLED.

- **Be careful not to twist or bend the OLED screen.**
- **If the screen is dirty, clean it with some absorbent/soft cotton.**
- **Use water as cleaner and avoid using alcohol.**

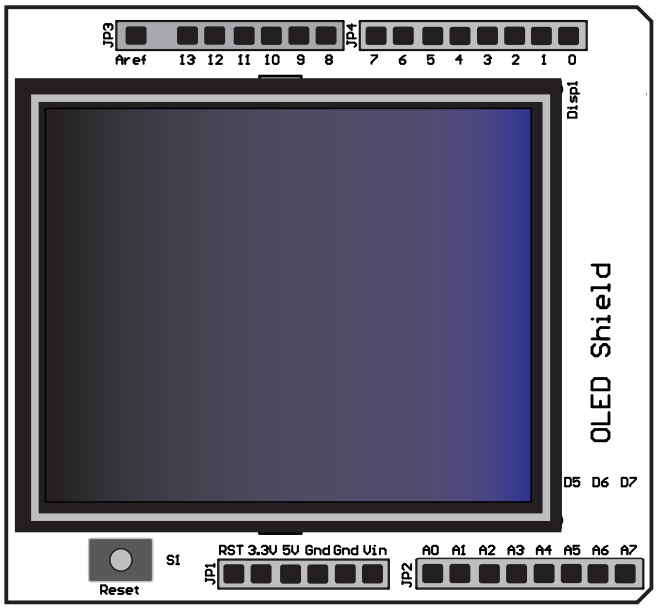


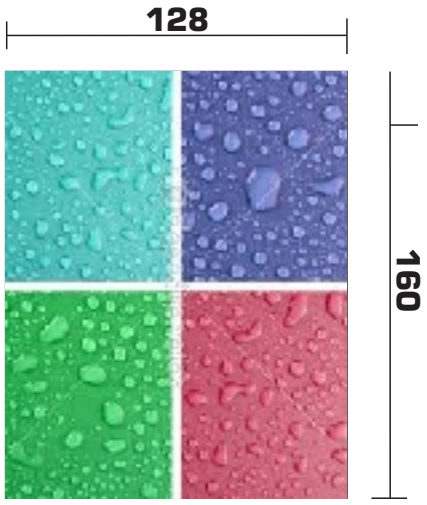
Figure 1. Organic LED Display Shield

Instructions on image compatibility:

STEP1:
First, resize the picture into ideally **128 x 160 pixels** to fit the OLED screen. (Using a larger resolution is not recommended as it may cause the images to blur)

STEP2:
Save the resized picture on the **SD card**.

STEP3:
Insert the SD card on the SD/MMC shield.



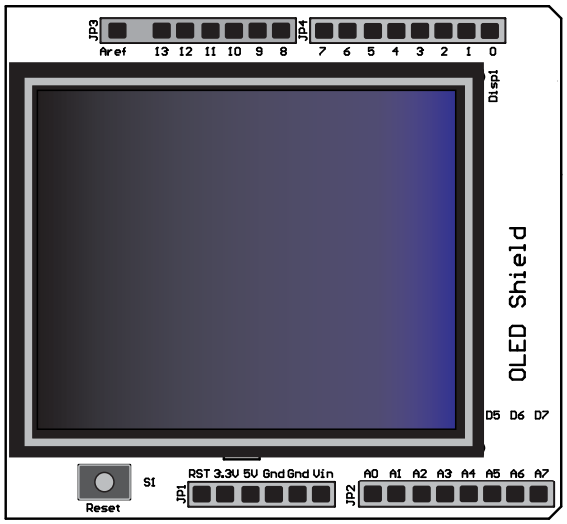
test2.bmp

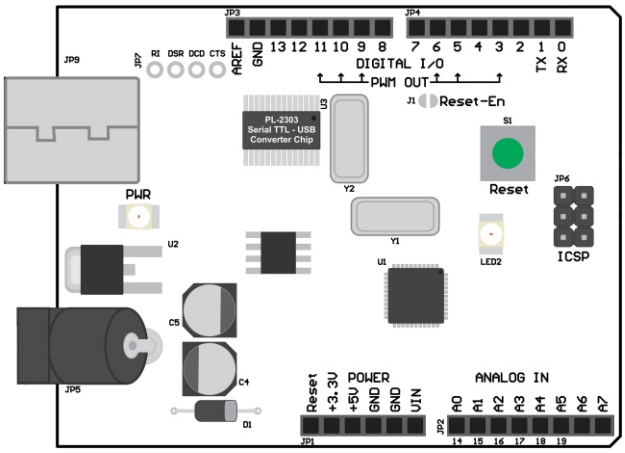
FORMAT: Picture/Image (.jpg,.bmp,.png,.gif,.tif)

INSTRUCTIONS

Organic LED Display Shield

Organic LED Display Shield
(Top)



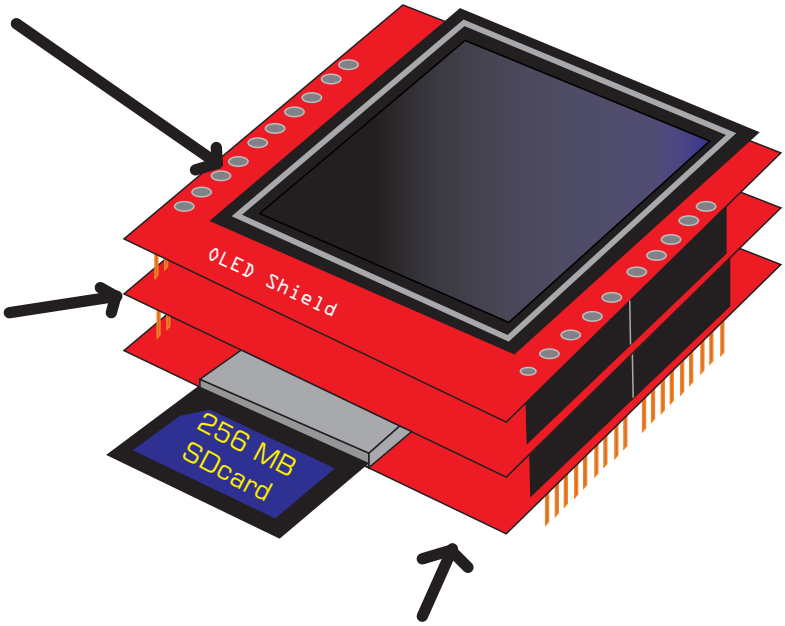


MCU
(Buttom)

Simply stack the OLED shield on top, the SD card shield on the middle, all above your Gizduino.

This is also applicable for the Gizduino+ and GizduinoX versions.

NOTE: Most applications of the OLED shield requires an SD card.



SD Shield

Figure 2. MCU Stacking Instruction

SCHEMATIC DIAGRAM

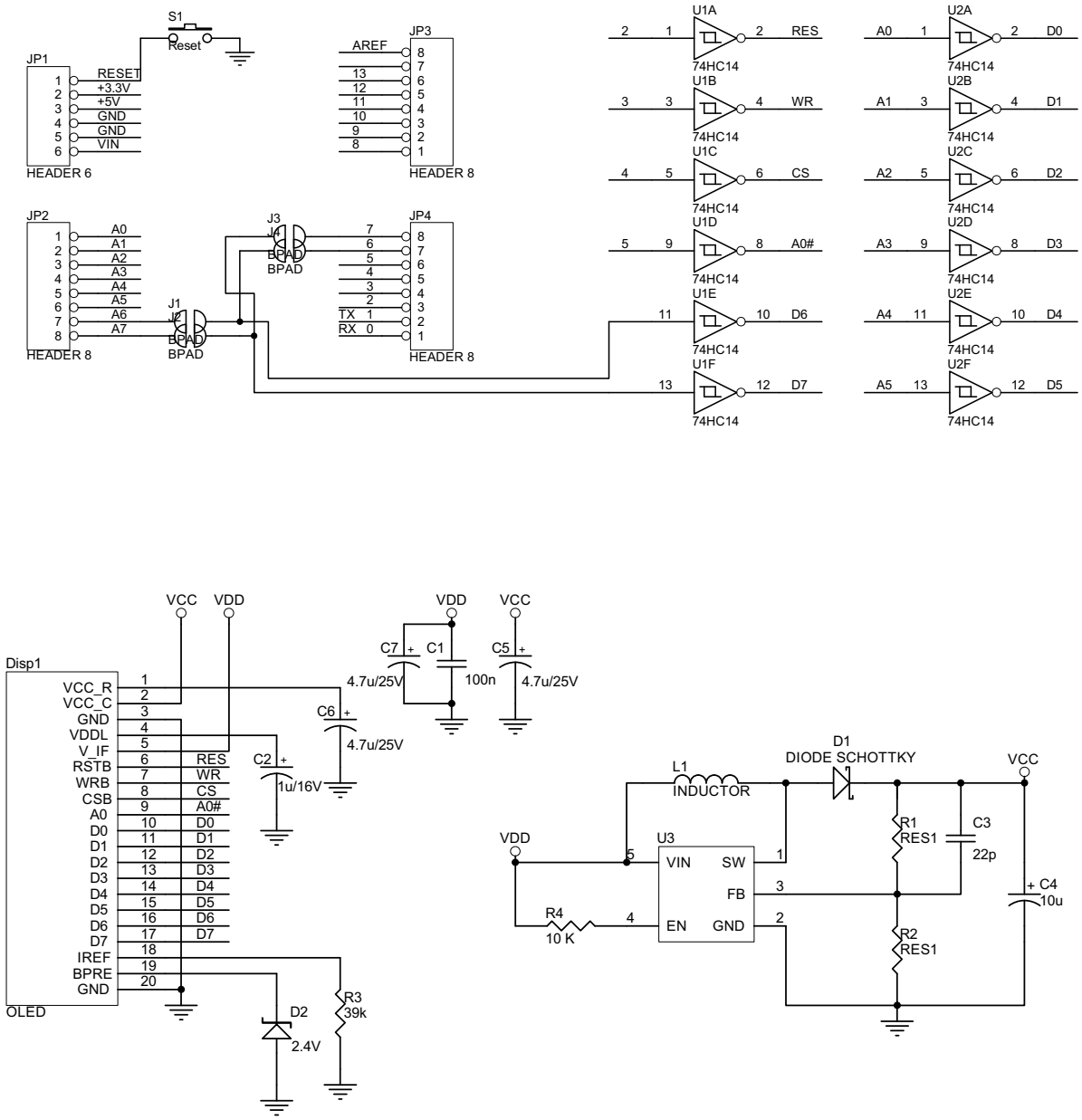


Figure 3. OLED Shield Schematic Diagram

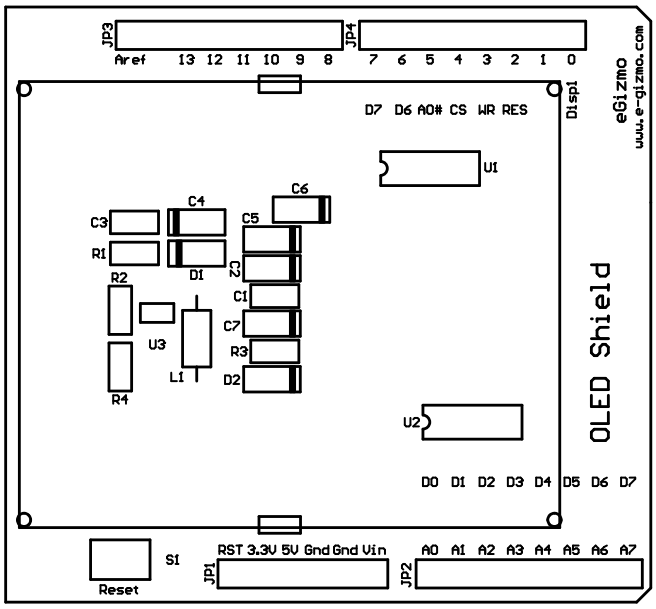


Figure 4. OLED Shield
(silkscreen layout)

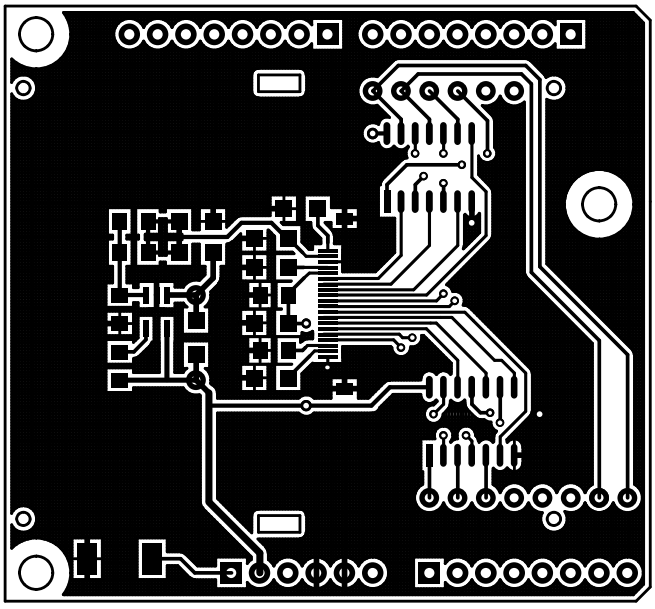


Figure 5. OLED Shield
(Top layout)

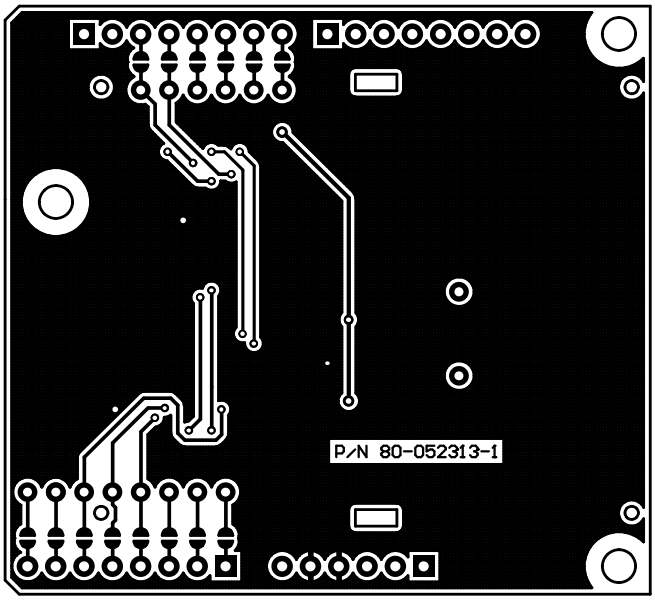


Figure 6. OLED Shield
(Buttom layout)