

File: 0x0774280 [0,0]

Contents: [Dobrica PavlinuÄiÄ 's random unstructured stuff]

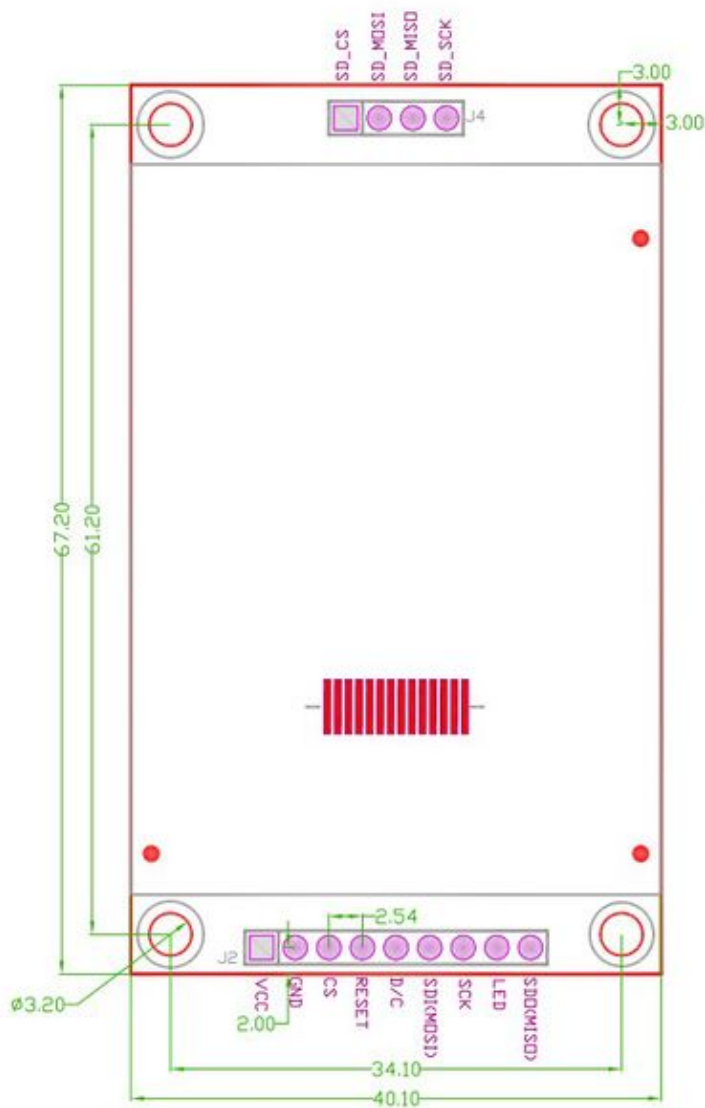
- Dobrica PavlinuÄiÄ 's random unstructured stuff (2.2 TFT LCD: TFT01-2.2SP)
- Dobrica PavlinuÄiÄ 's random unstructured stuff (RaspberryPi)

2.2 TFT LCD: TFT01-2.2SP

<http://www.electronics.com/estore/2-2-tft-lcd-tft01-2-2sp.html>

http://www.electronics.com/wiki/index.php?title=2.2S%22_TFT_LCD:_TFT01-2.2S

ILI9341 (or ILI9340 according to tftfb)



RaspberryPi

<https://github.com/notro/fbtf/wiki>

<https://hackaday.io/project/6157/instructions>

<https://www.raspberrypi.org/forums/viewtopic.php?p=768868#p768868>

- VCC to 3.3 volt (pin 17)
- GND to GND (pin 20)
- CS to CE0 (pin 24)
- RESET to GPIO 25 (pin 22)
- D/C to GPIO 24 (pin 18)
- SDI/MOSI to MOSI (pin 19)
- SCK to SCLk (pin 23)
- LED to GPIO18 (pin 12)
- SDO/MISO to MISO (pin 21)

```
# enable spi in raspi-config
```

```
pi@jpi1 ~ $ grep spi /boot/config.txt
dtparam=spi=on
```

```
sudo REPO_URI=https://github.com/notro/rpi-firmware rpi-update
```

```
sudo reboot
```

```
pi@jpi1 ~ $ sudo modprobe fbtft_device name=adafruit22a verbose=1
```

```
pi@jpi1 ~ $ dmesg | tail -8
```

```
[ 173.796933] fbtft_device: Deleting spi0.0
[ 173.797590] spi spi0.0: setting up native-CS0 as GPIO 8
[ 173.797807] fbtft_device: GPIOs used by 'adafruit22a':
[ 173.797833] fbtft_device:   'reset' = GPIO25
[ 173.797851] fbtft_device:   'dc' = GPIO24
[ 173.797864] fbtft_device:   'led' = GPIO18
[ 173.838265] fb_ili9340: module is from the staging directory, the quality is unknown, you have
[ 174.220426] graphics fb1: fb_ili9340 frame buffer, 240x320, 150 KiB video memory, 4 KiB DMA bu
```

```
pi@jpi1 ~ $ fbset -fb /dev/fb1
```

```
mode "240x320"
    geometry 240 320 240 320 16
    timings 0 0 0 0 0 0 0
    nonstd 1
    rgba 5/11,6/5,5/0,0/0
endmode
```

```
pi@jpi1 ~ $ cat /dev/urandom > /dev/fb1
cat: write error: No space left on device
```

```
# test
```

```
cd /usr/share/X11/xorg.conf.d/
sudo mv 99-fbturbo.conf ~/
FRAMEBUFFER=/dev/fb1 startx
```