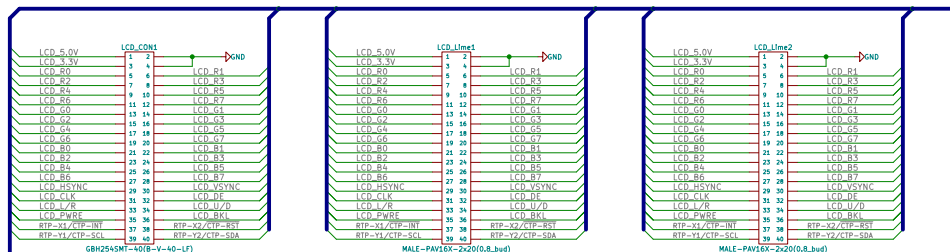
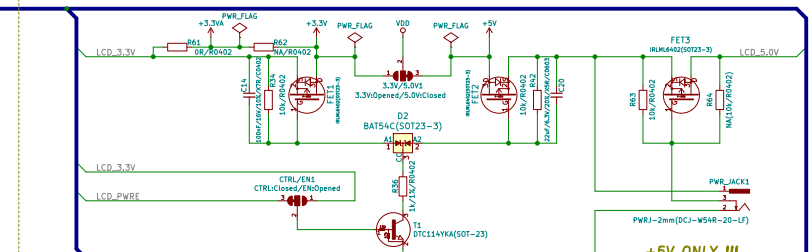
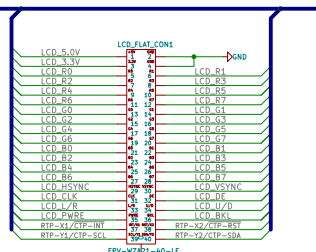


## Input Connectors

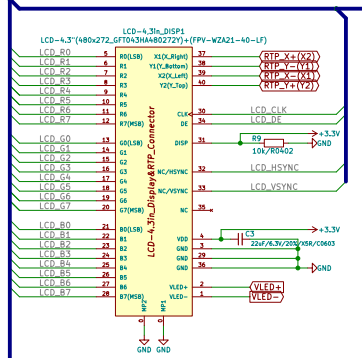


**Touch Screen – by default: CTP**

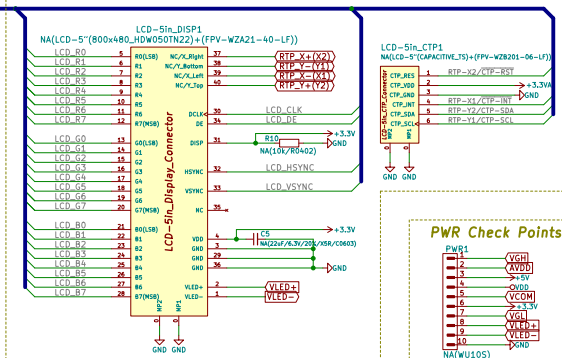


**+5V\_ONLY !!!**

**LCD-4.3in**



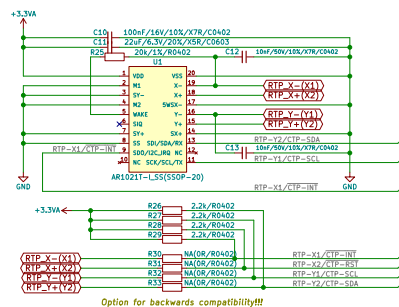
**LCD-5in**



### PWR Check Points

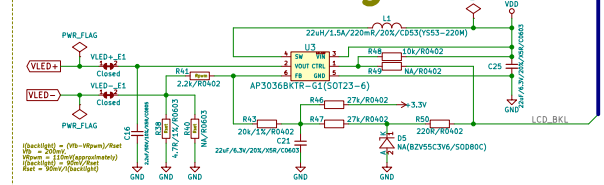


I2C Address: 0x4D



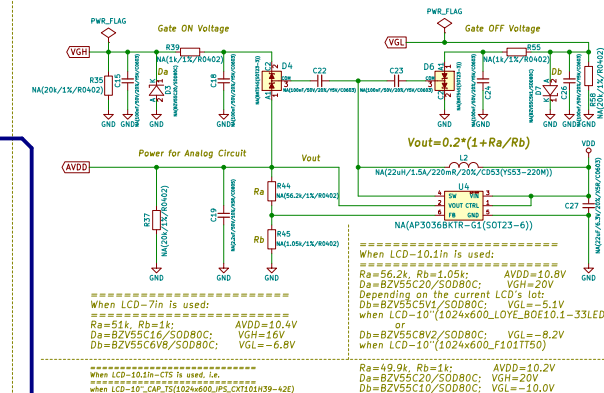
Option for backwards compatibility!!

## Backlight



```
LCD-4.3in Backlight: 28V@20mA -> Rset = 4.7R
LCD-5.0in Backlight: 19.8V@40mA -> Rset = 2.26R or (4.7R||4.7R)
LCD-7.0in Backlight: 9.9V@135mA -> Rset = 0.68R or (1.3R||1.3R)
LCD-7.0in-CTS & LCD-10.1in Backlight: 9.6V@180mA -> Rset = 0.5R or (1.0R||1.0R)
LCD-10.1in-CTS Backlight: 10V@260mA -> Rset = 0.36R or (0.68R||0.68R)
```

**Populate only if LCD-7in or LCD-10.1in is used!**



When LCD-7in is used:

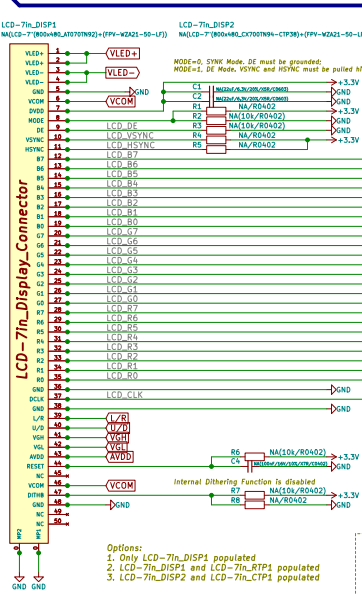
```

=====
Ra=51k, Rb=1k;          AVDD=10.4V
Da=BZV55C16/SOD80C;    VGH=16V
Db=BZV55C6V8/SOD80C;    VGL=-6.8V
=====

```

<p>=====</p> <p>When LCD-10.1in-CTS is used, i.e.,</p> <p>when LCD-10" CAP TS(1024x600,IPS_CXT101H39-42E)</p>	<p>Ra=49.9k, Rb=1k;      AVDD=10.2V</p> <p>D0=BZV55C20/SOD80C; VGH=20V</p> <p>D1=BZV55C10/SOD80C; VGL=-10.0V</p>
---	--

**LCD-7in**

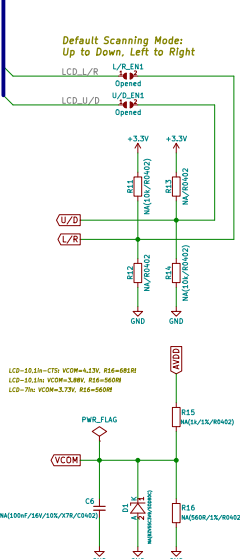


Options:

1. Only LCD-7in\_DISP1 populated
2. LCD-7in\_DISP1 and LCD-7in\_RTP1 populated
3. LCD-7in\_DISP2 and LCD-7in\_CTP1 populated

## Common

For LCD-7in&LCD-10.1in

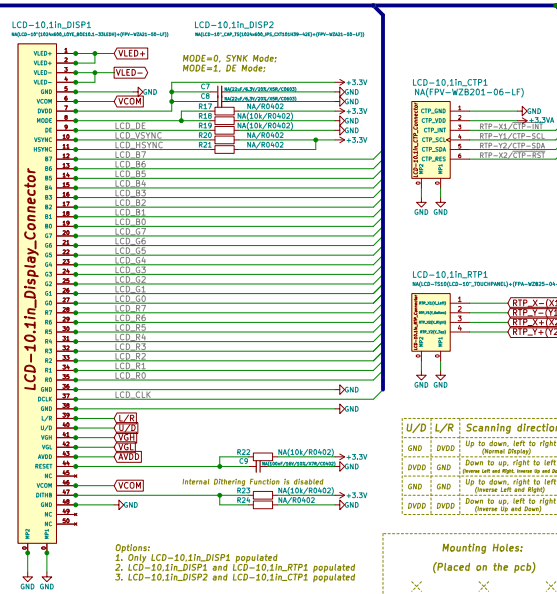


**Fiducials:**

 FID2  
Fiducial

 FID3  
Fiducial

**LCD-10.1in**



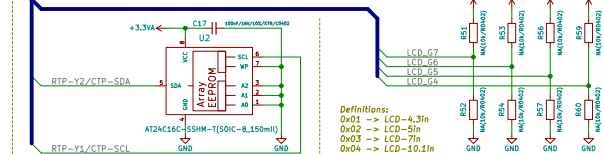
Options:

1. Only LCD-10.1in\_DISP1 populated
2. LCD-10.1in\_DISP1 and LCD-10.1in\_RTP1 populated
3. LCD-10.1in\_DISP2 and LCD-10.1in\_CTP1 populated

**Mounting Holes:**

(Placed on the pcb)

## LCD Identification



**Definitions:**  
0x01 -> LCD-4.3in  
0x02 -> LCD-5in  
0x03 -> LCD-7in  
0x04 -> LCD-10.1in

## EEPROM

I2C Address: 0xA0

<c> 2018  
OLIMEX LTD. Bulgaria

Sheet: /

File: LCD-DRIVER\_Rev\_C.sch

Title: LCD-DRIVER	
Size: A2	Date: 2018-09-18

Size: 42	Date: 2018-05-18
KiCad E.D.A.	kiCad (6.0.0-rc1-dev-4

10



Rev. Rev. C

Id: 1/1