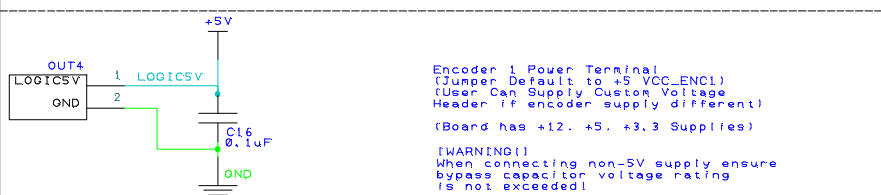
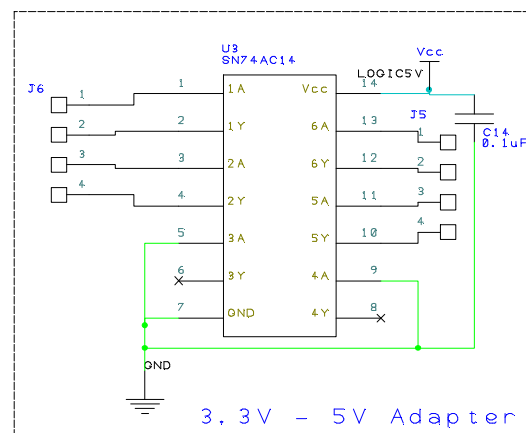
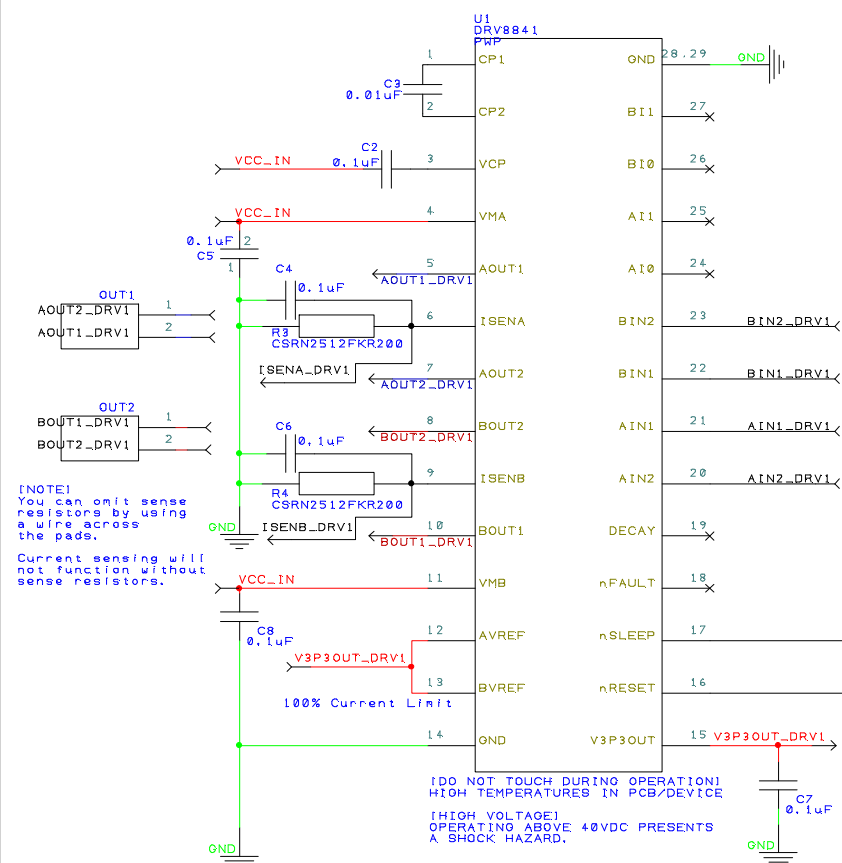


```
Current Location (ENCODER/MOTDRV) :  
^ Front Of Board (Power Supply)  
  
>> Right Edge (Mosfets)  
<< Left Edge (Encoder, Driver)  
  
v Back Edge (Controller)
```

```
xxxxxxxxxxxxxxxxxxxxxxxxxxxx  
x          PSU                x  
x                               x  
x DRV                          x  
x                               x      MOS    x  
x                                FETS     x  
x                               x  
x                               x  
x ENC                             x  
x                               x  
x                               x  
x           MCU                 x  
x       MSP430                  x  
xxxxxxxxxxxxxxxxxxxxxxxxxxxx
```



WARNING[]  
Maximum Voltage is 45VDC  
Do not exceed input limits  
Limit Current to 5A max

[RISK OF FIRE/BURNS[]  
DRIVER CAN REACH TEMPERATURES IN EXCESS  
OF 150C. BEWARE HIGH TEMPERATURES.

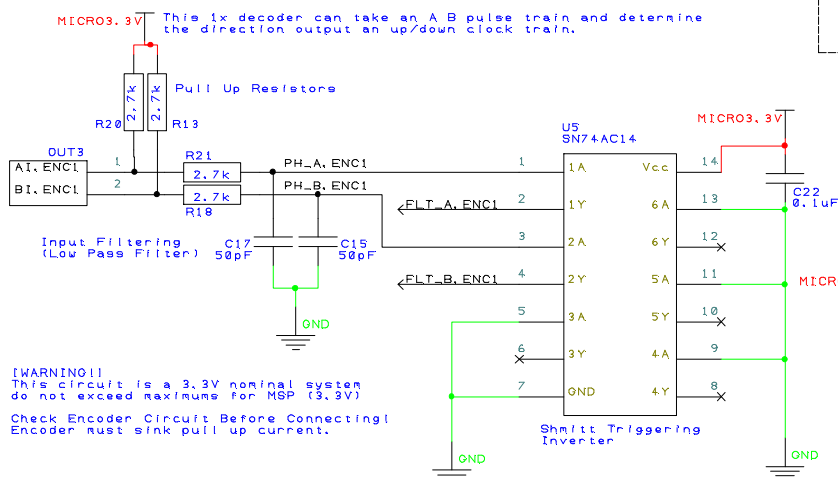
[RISK OF SHOCK]  
HIGH VOLTAGES MAY BE PRESENT IN  
CAPACITORS AND DEVICE.

[NOTE]  
If you do not pull the nSLEEP or nRESET to 3.3V, The motor controller will not start.

The internal regulator on the driver (V3P3) will also not start.

Pullup resistors are not needed if the microcontroller will enable the driver.

**[CAUTION]**  
The V3P3 regulator is limited  
to 1mA max current draw.  
  
This regulator only starts  
when the driver is enabled.



The Texas Instruments DRV8841/3 motor driver contains two 2.5A peak full H bridge drivers. You can run 4 loads, 2 DC motors, or 1 stepper using this driver. The 2 outputs are fully protected with overcurrent, overtemperature protection. Many settings can be controlled through the microcontroller or set manually either by jumpers or permanent solder connections.

Motor Driver  
5V-GND

