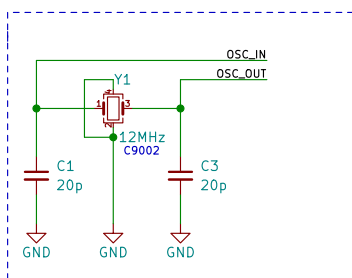


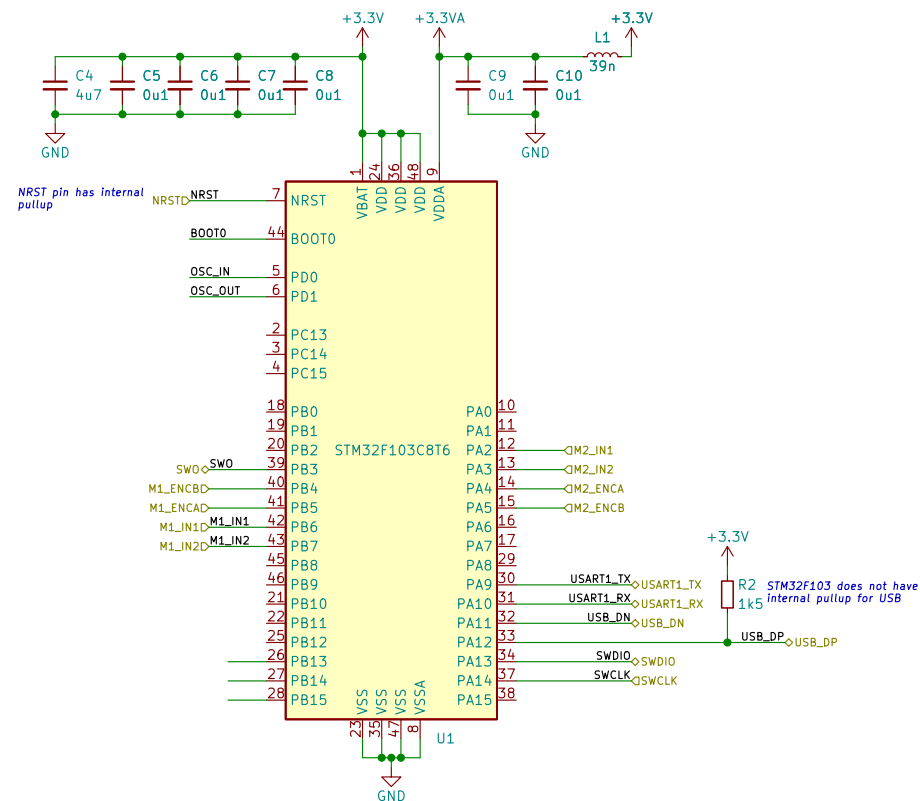
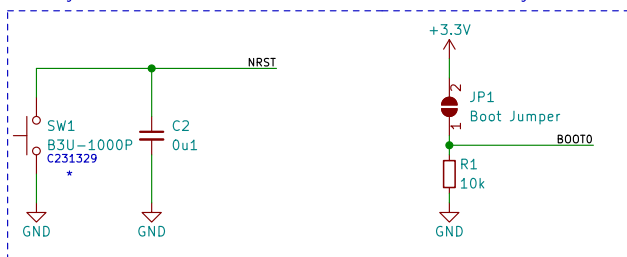


## External Oscillator



## Reset and Boot Circuitry

100nF capacitor to tackle  
debouncing



**Sampreet SARKAR**

Sheet: /Microcontroller/

File: mcu-core.kicad\_sch

**Title: Posit: A STM32 based DC motor controller**

Size: A4

Date:

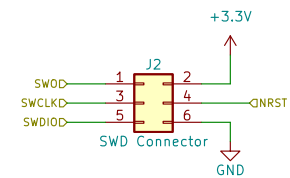
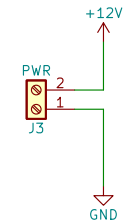
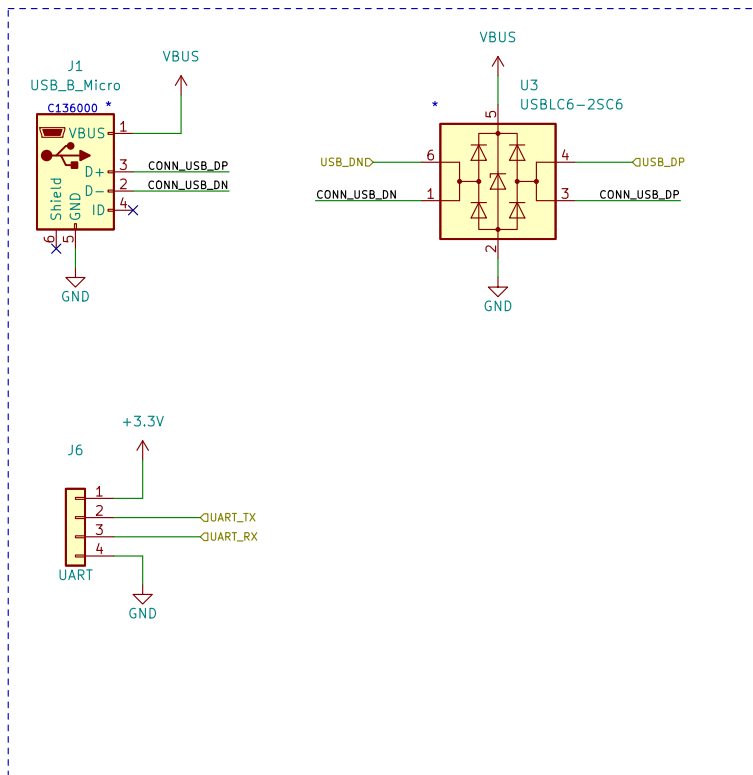
Rev: A

KiCad E.D.A. kicad (6.0.11)

Id: 2/4

## Communications

USB Power + Data with ESD protection  
UART



Sampreet SARKAR

Sheet: /Connectors/

File: connectors.kicad\_sch

**Title: Posit: A STM32 based DC motor controller**

Size: A4

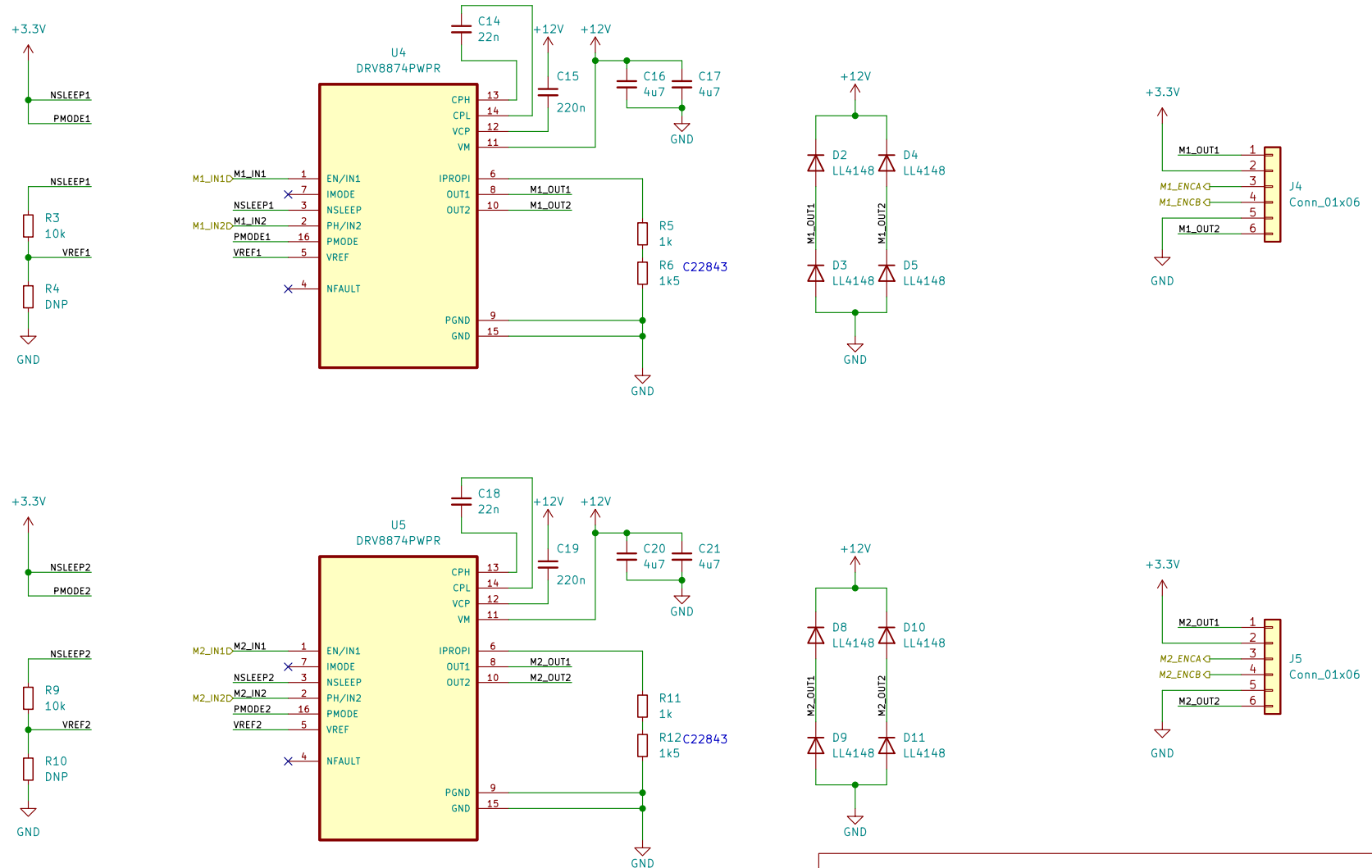
Date:

Rev: A

KiCad E.D.A. kicad (6.0.11)

Id: 3/4

Driving in PWM (IN/IN) mode.  
 Taken from Pololu's Website:  
<https://www.pololu.com/product/4035/pictures#lightbox-picture0J11429>



**Sampreet SARKAR**

Sheet: /Motor Driver/  
 File: motor-driver.kicad\_sch

**Title: Posit: A STM32 based DC motor controller**

Size: A4  
 KiCad E.D.A. kicad (6.0.11)

Date:

Rev: A

Id: 4/4