> Datasheet: https://datasheets.raspberrypi.org/pico/pico-datasheet.pdf

> The Raspberry Pi Pico is a 3.3V computer

> VBUS is the micro-USB input voltage

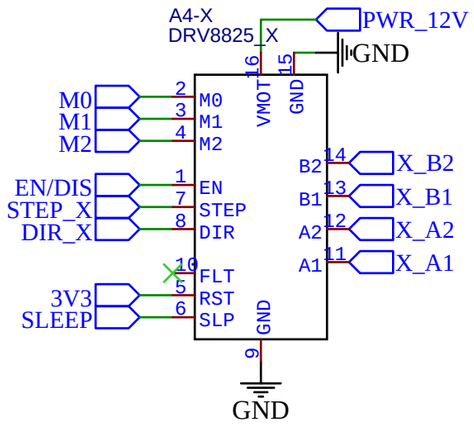
> VSYS is the main system input voltage, which can vary in the allowed range 1.8V to 5.5V and is used by the on-board SMPS to generate the 3.3V for the RP2040 and its GPIO

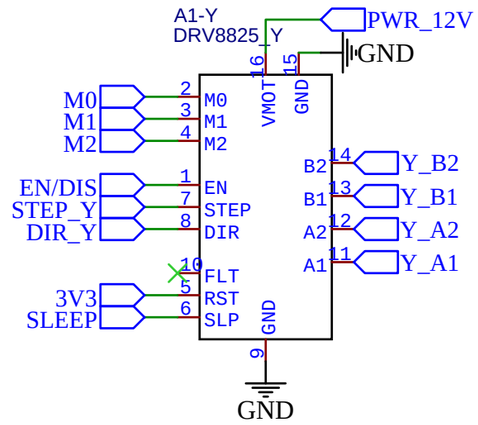
> It is recommended to keep the load on the 3V3 pin at less than 300mA

> The VSYS pin can be used to power the pico using an external source (?)

> To reset the Pico, short the RUN pin to GND

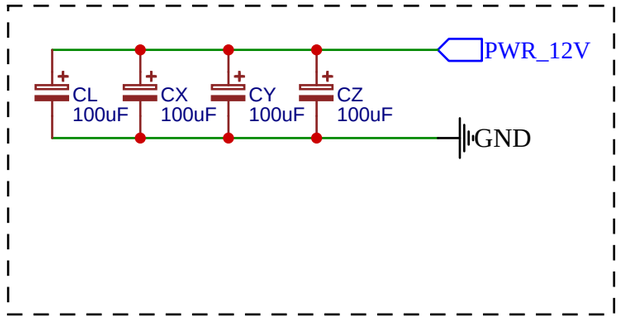
> To power off the Pico, short the 3V3_EN pin to GND

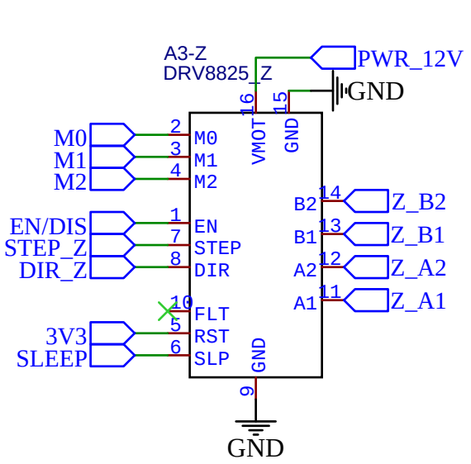


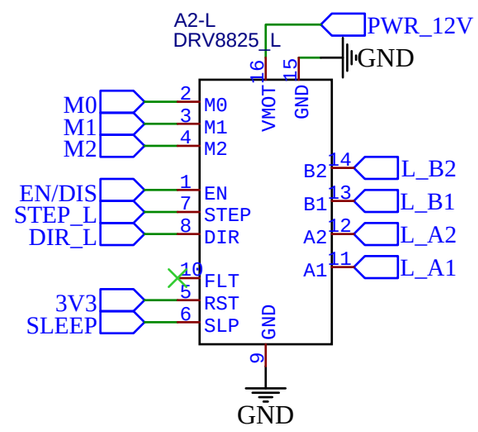


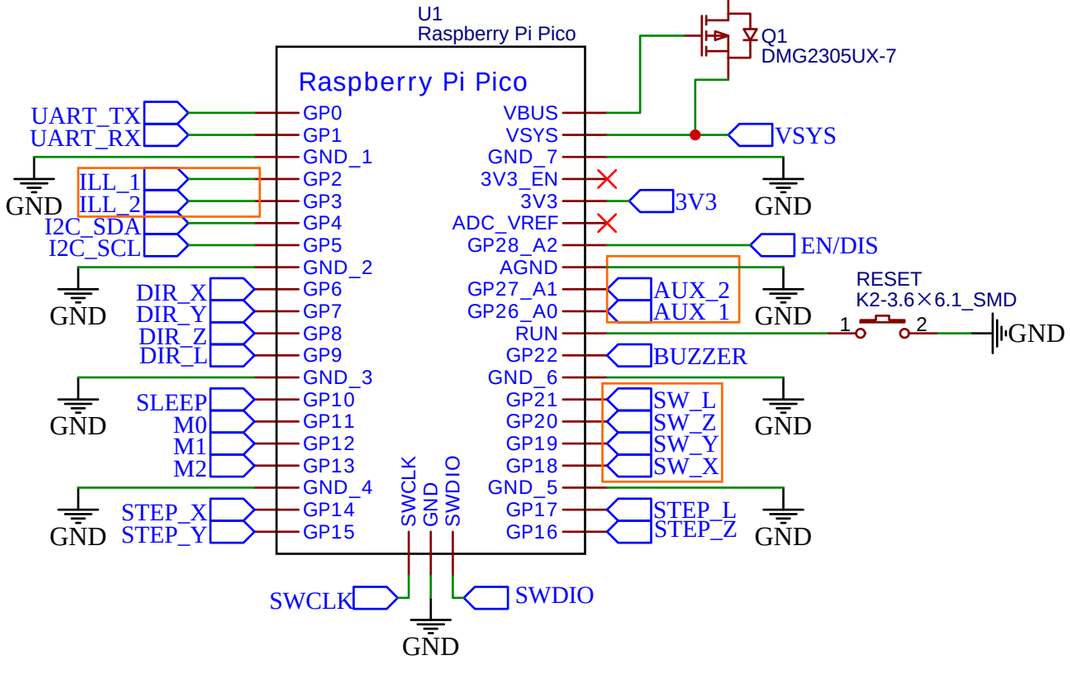
> DRV8825 board is susceptible to LC voltage spikes. One way to protect the driver from such spikes is to put a large (at least 47 µF) electrolytic capacitor across motor power (VMOT) and ground somewhere close to the board.

https://www.pololu.com/product/2133



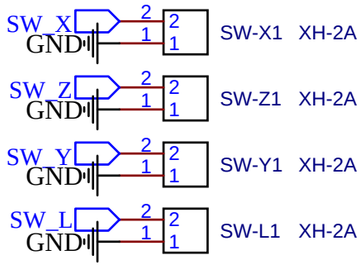




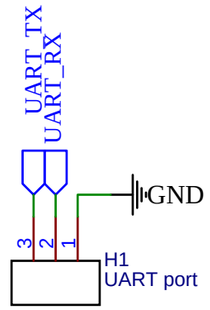


TITLE: Sheet_1	REV: 1.0
Company: IDE, TU Delft	Sheet: 1/1
Date: 2021-03-22 Drawn By: Satyajith	

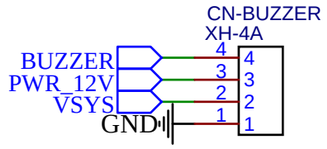
Endswitches



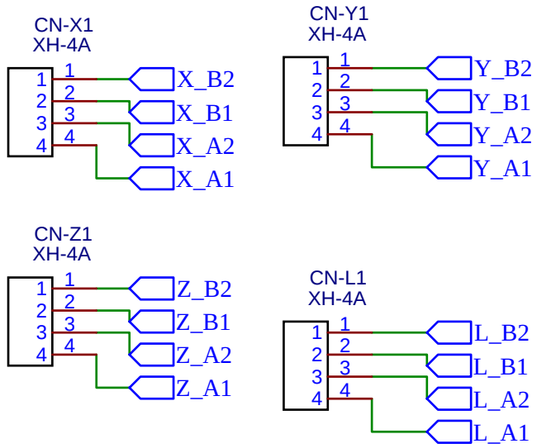
UART



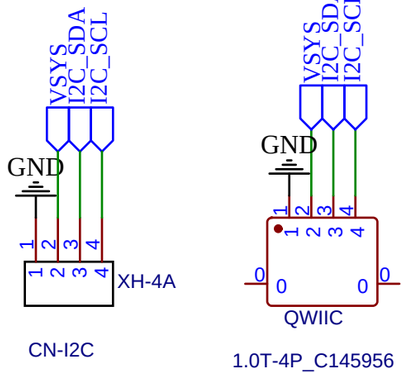
Peripherals



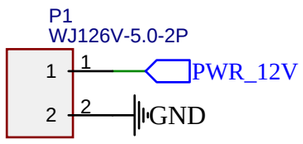
Motorconnectors



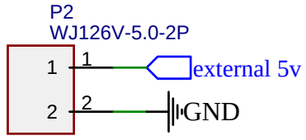
I2C connector



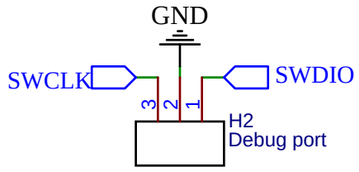
12v Powerconnector

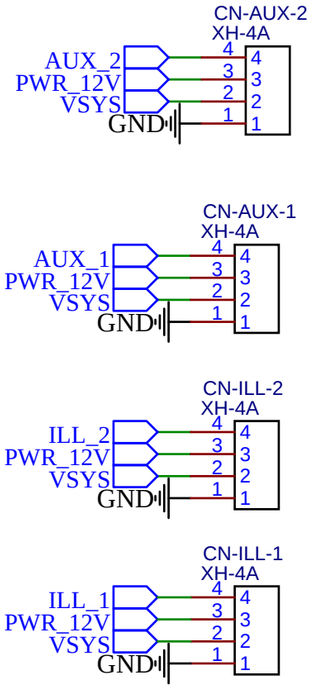


5v Powerconnector



Debugconnector





TITLE: Sheet_2		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2021-04-06 Drawn By: jerzeek	