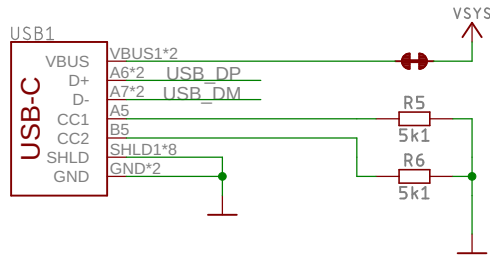
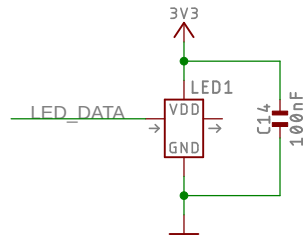


Motor 2040 (PIM618): RP2040 & co

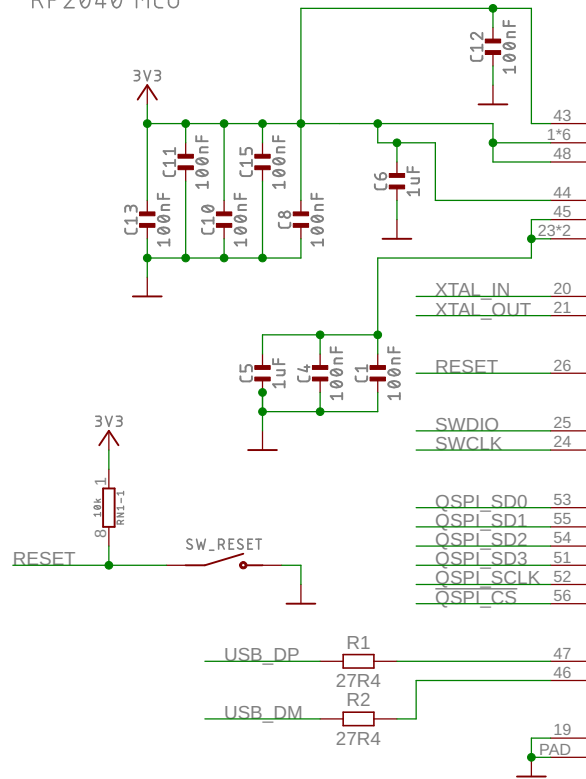
USB-C connector



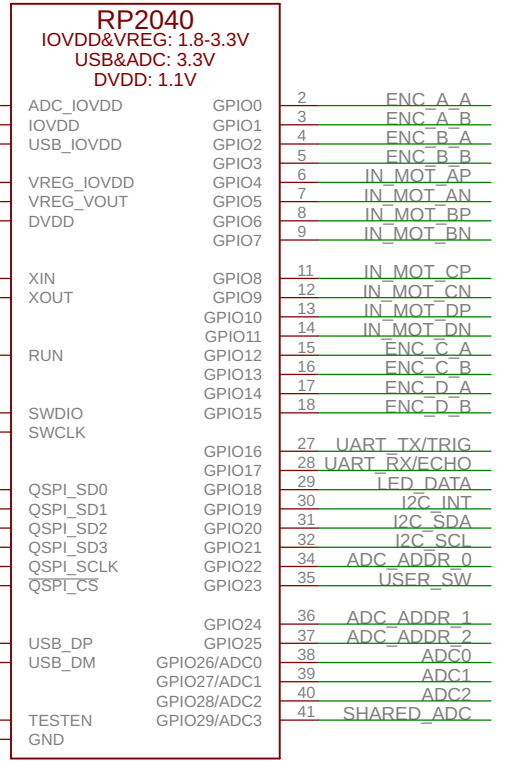
RGB LED



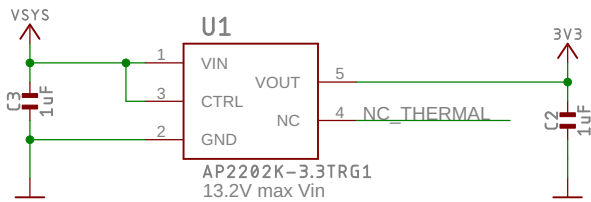
RP2040 MCU



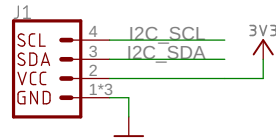
MCU1



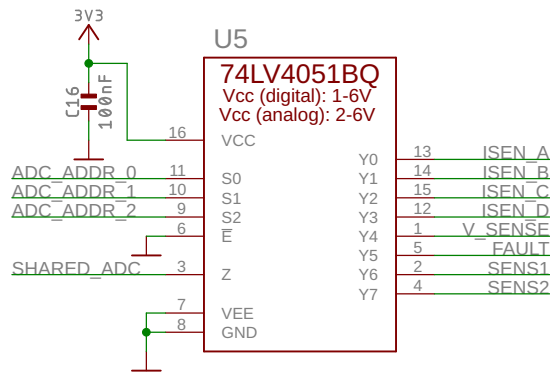
LDO



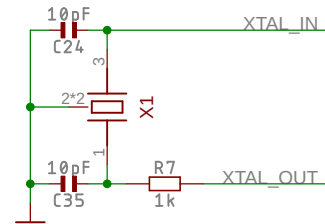
Qw/st connector



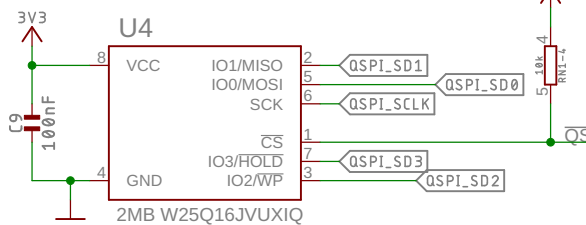
ADC Multiplexer



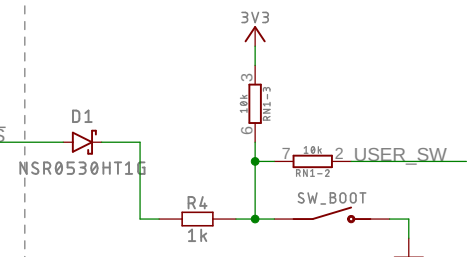
Crystal oscillator



Flash memory

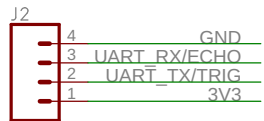
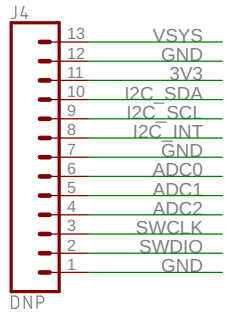


Combined USB boot & user switch

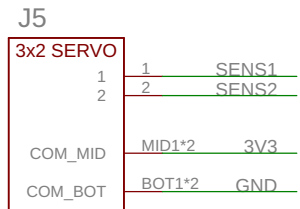


Motor 2040 (PIM618): Headers and motor direction LEDs

Extension headers

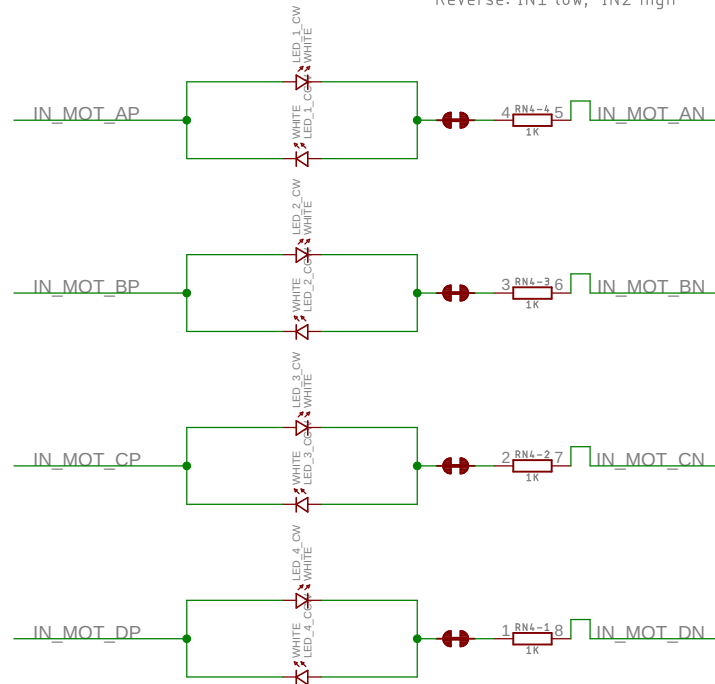


Sensor header



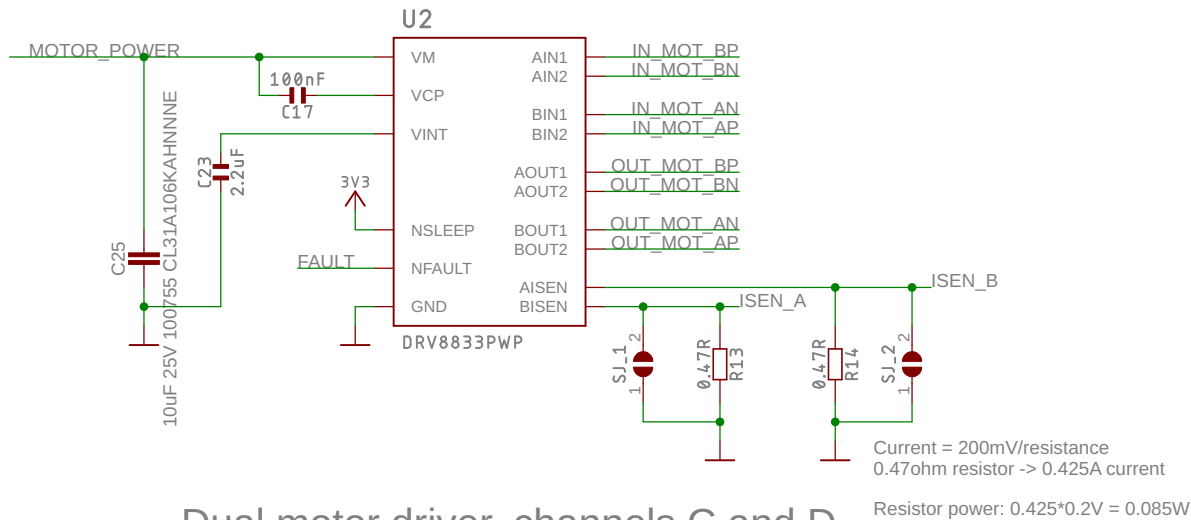
LEDs

IN1 = plus, IN2 = minus
 Forward: IN1 high, IN2 low
 Reverse: IN1 low, IN2 high

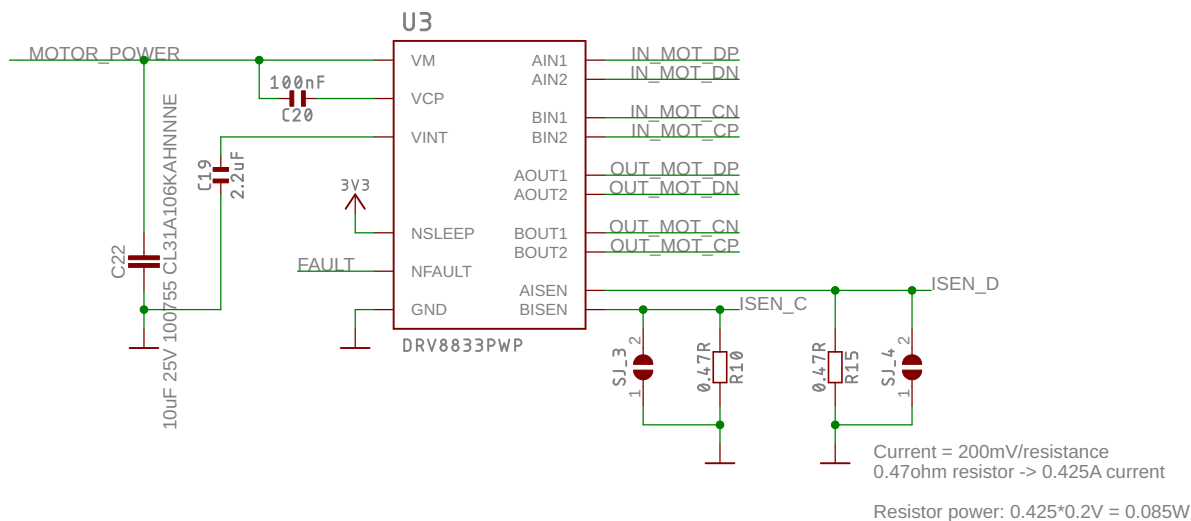


Motor 2040 (PIM618): Motor drivers and power & encoder connectors

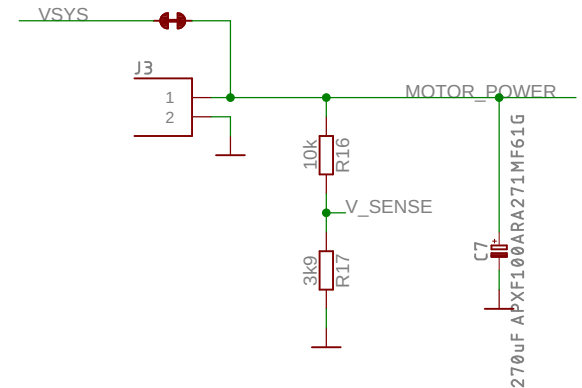
Dual motor driver, channels A and B



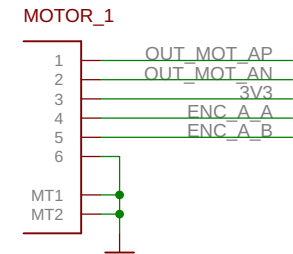
Dual motor driver, channels C and D



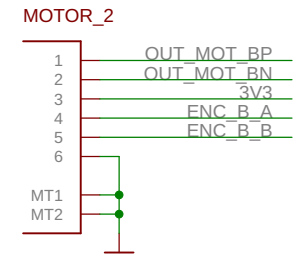
Motor power header



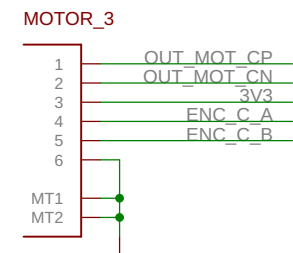
Motor+encoder connector, A



Motor+encoder connector, B



Motor+encoder connector, C



Motor+encoder connector, D

