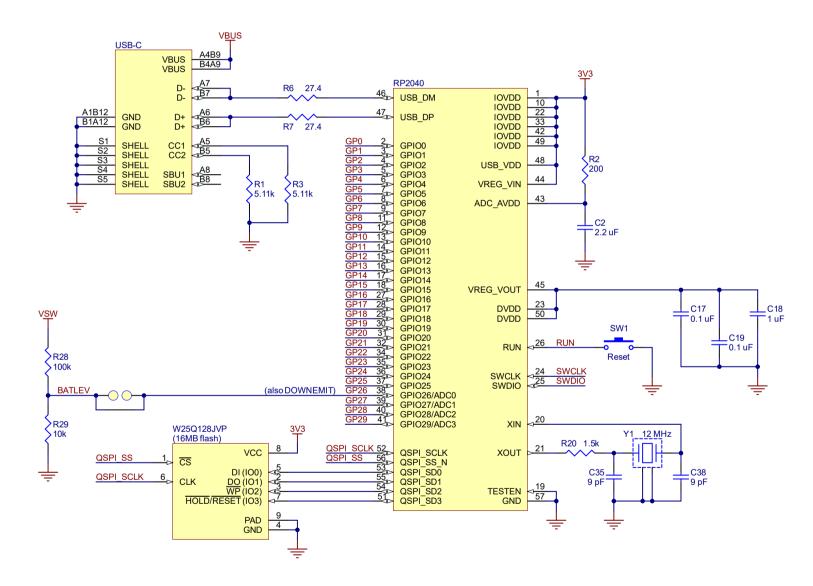
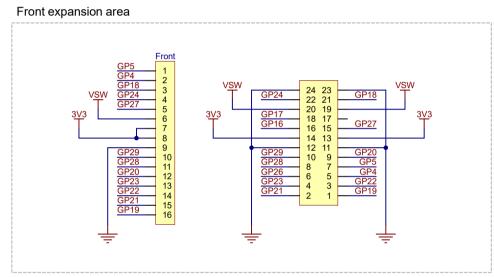
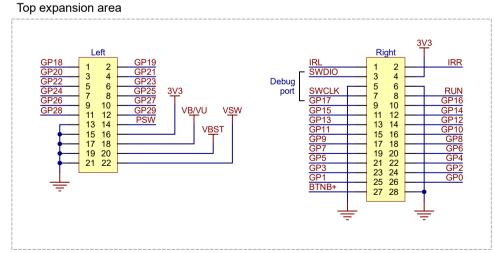
## Zumo 2040 Main Board

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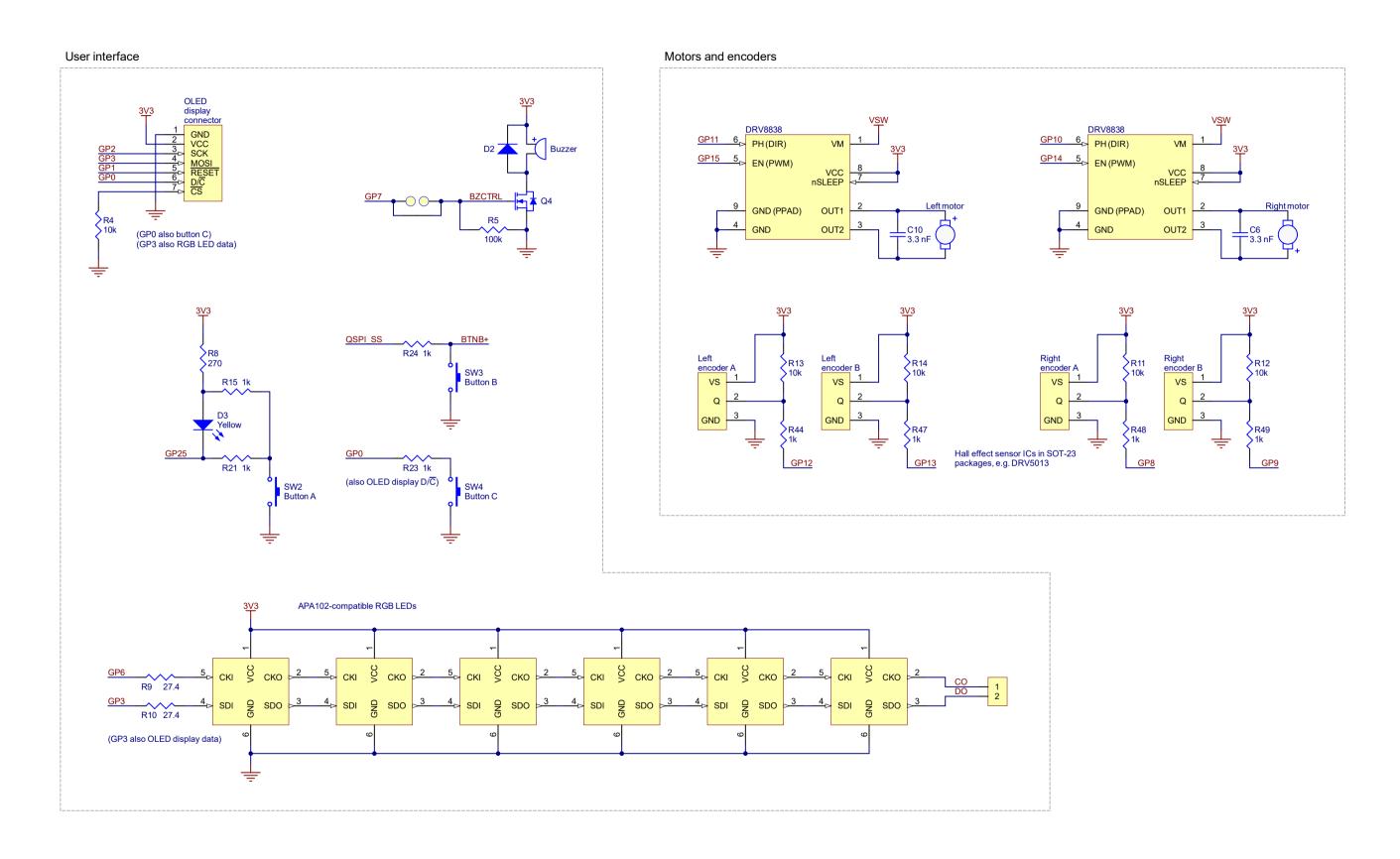
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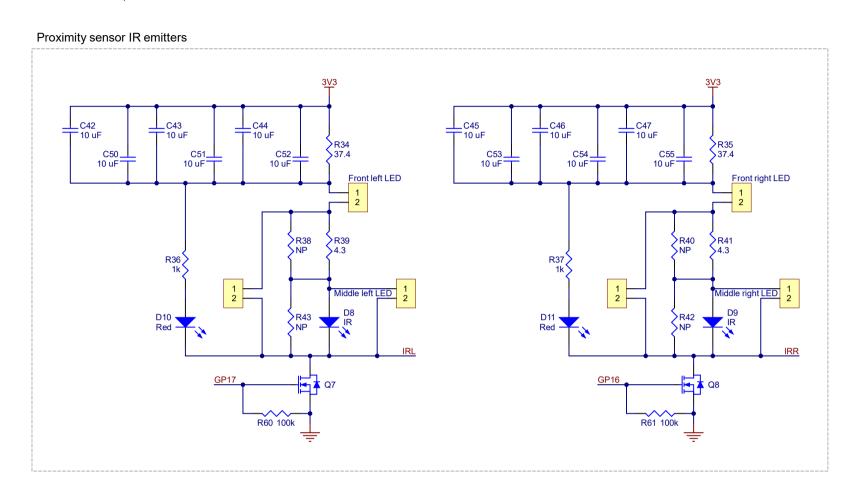
Schematic diagram
User interface, motors, and encoders

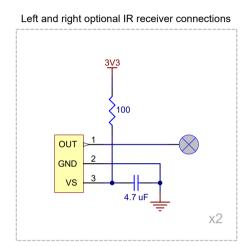
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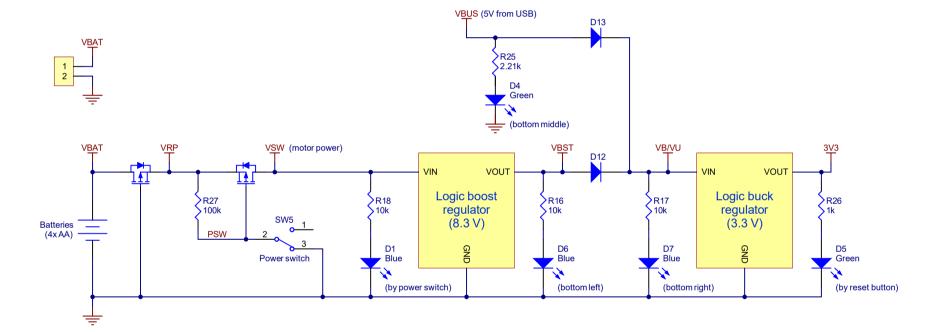


#### Inertial sensors R30 R31 R32 R33 10k 10k LIS3MDL LSM6DSO 13 SCL/SPC VDD SCL/SPC VDD\_IO SDA/SDI/SDO SDA/SDI/SDO SDO/SA1 SDO/SA0 12 CS CS INT 2 12 RES(GND) RES(GND) DRDY 10 11 6 7 GND OCS\_Aux SDO\_Aux

## Zumo 2040 Main Board

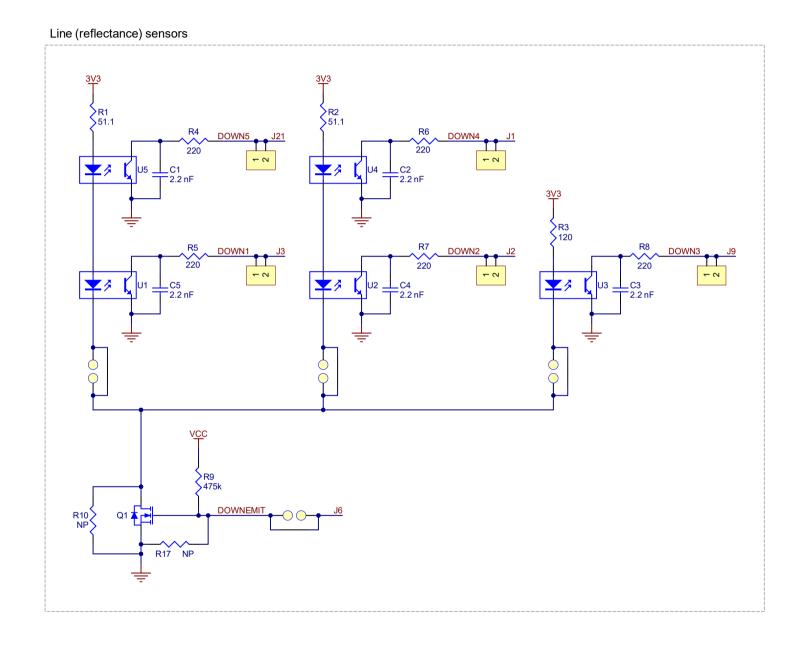
Schematic diagram
Power (simplified)

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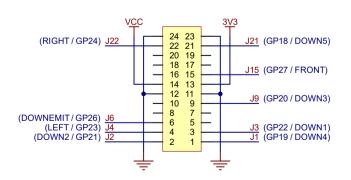


# Zumo 2040 Front Sensor Array

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### Proximity sensor IR receivers <u>vç</u>c R12 VS FRONT \_\_\_\_ C7 \_\_\_\_ 2.2 uF OUT 220 GND GND V<u>C</u>C VS R16 220 R14 220 RIGHT OUT OUT GND GND GND 4 **−** α ε **−** α ε



(VCC = 3V3 when connected to Zumo 2040)