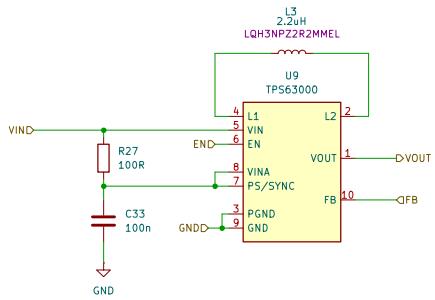


RP2350 Layout

Maximum Current Throughput:
 RP2350: -100mA max
 sx1262: 118mA max in +22dBm TX Mode
 +200mA headroom

Let's call it 500mA expected worst case input current. Most of the time we will be in sleep mode and never come close to this.

Energizer considers the useable life of their D-Cell batteries to be up to 0.8V, meaning a minimum expected input voltage of 2.4V is reasonable. To add some factor of safety, I'll do the calculations with 2V input:

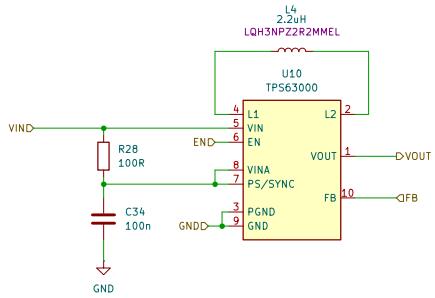


Power Supply

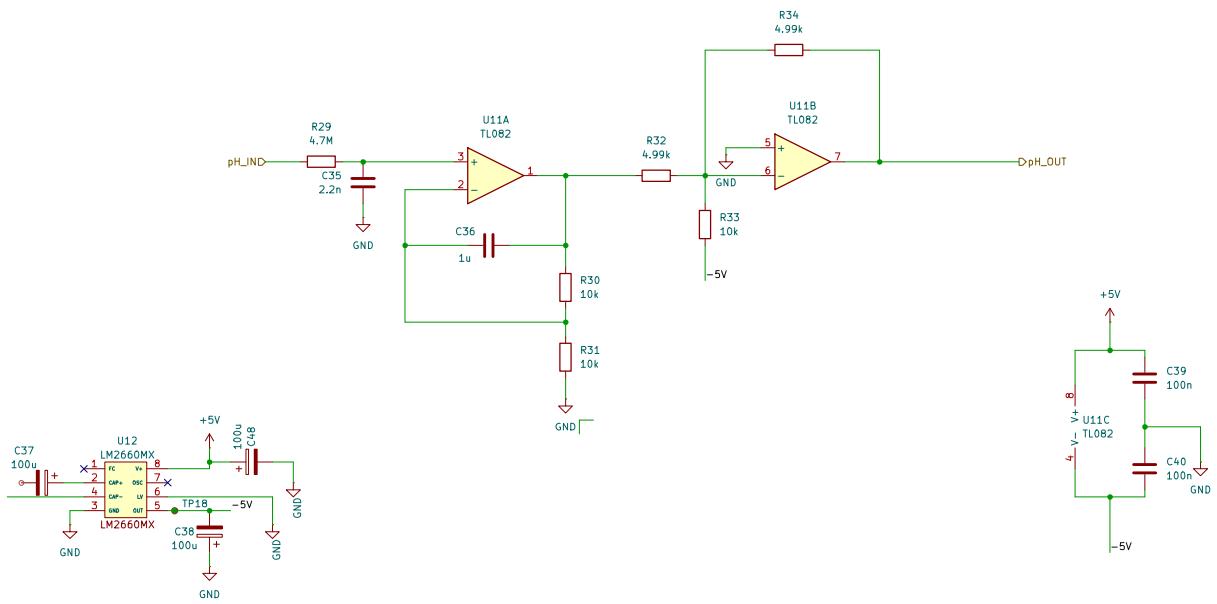
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Power Supply



pH Sensor Pre-Amplifier

Software-Defined Instrumentation Amplifier

