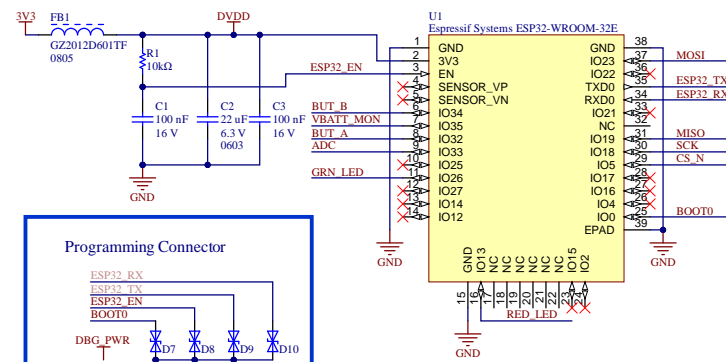
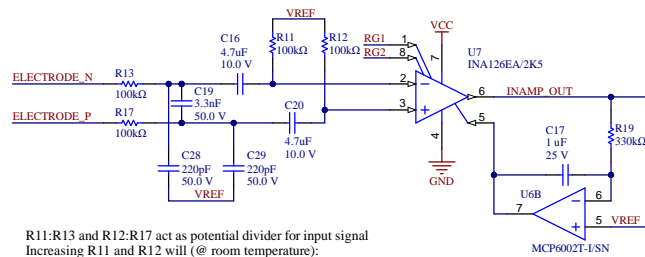


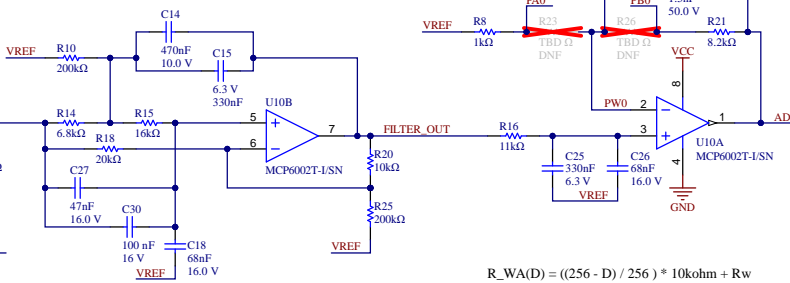
All passive components are 0402 unless specified
Resistor tolerance = 1%, Capacitor tolerance = 10%



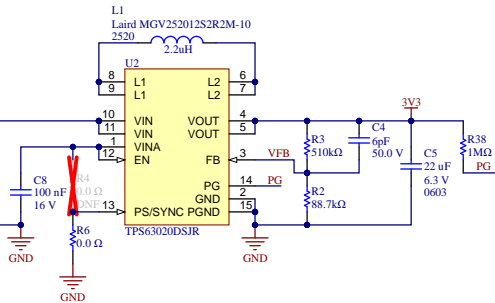
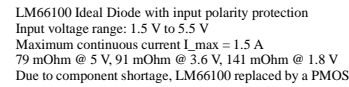
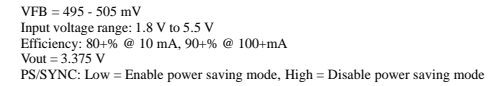
Gain = $5 + 80k / R_G$
 $R_G = 71.5 \text{ ohm}$, Gain = 1120
 Input High-pass filter $f_c = 0.34 \text{ Hz}$
 INAMP High-pass filter $f_c = 0.48 \text{ Hz}$
 RFI Low-pass filter $f_{c_diff} = 233 \text{ Hz}$
 RFI Low-pass filter $f_{c_cm} = 7.2 \text{ kHz}$



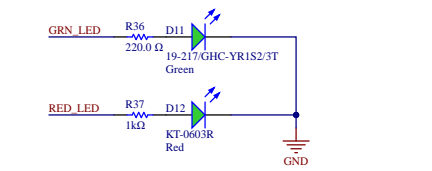
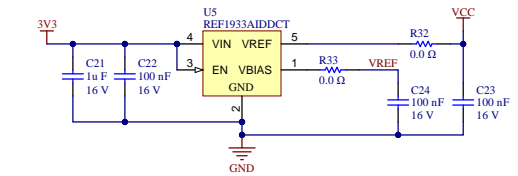
Third order Hourglass low-pass filter
 $Q = 2.17$, $F_c = 37.4$ Hz, $F_n = 50$ Hz
 50 Hz Rejection:
 Min = 17 dB, Nom = 35 dB, Max = 55 dB



Gain = 1.745 - 19.2 where DigiPot D = 0 - 255
Feedback low-pass fc = 12.9 kHz - 5.8 kHz
Input low-pass fc = 36.35 Hz



Maximum output capacitance = 10 uF
Typ 10 mV dropout @ 0 mA , 120 mV dropout @ 10 mA



R_WA(D) = ((256 - D) / 256) * 10kohm + R_W
R_WB(D) = (D / 256) * 10kohm + R_W
R_W: 50 ohm (Nom.), 120 ohm (Max)
SPI = 25 MHz max

