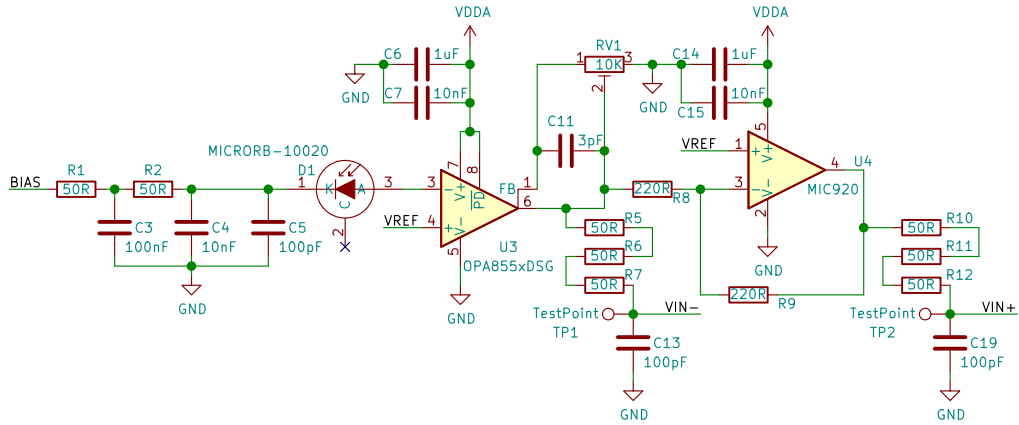
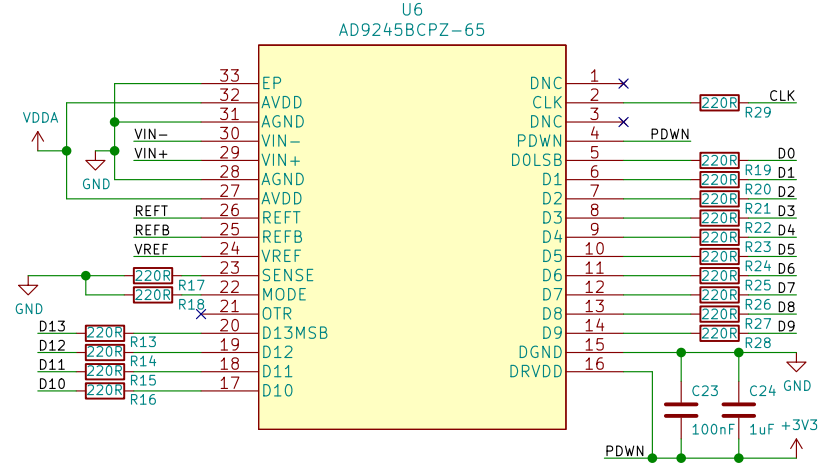


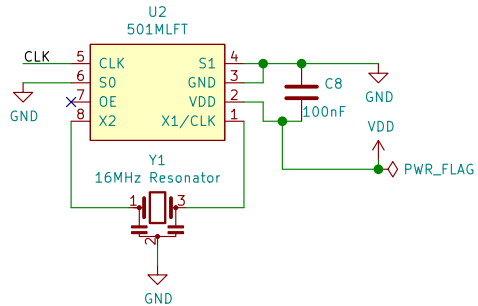
Differential Transimpedance Amplifier



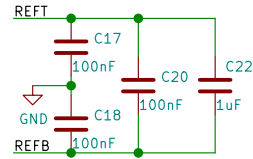
ADC



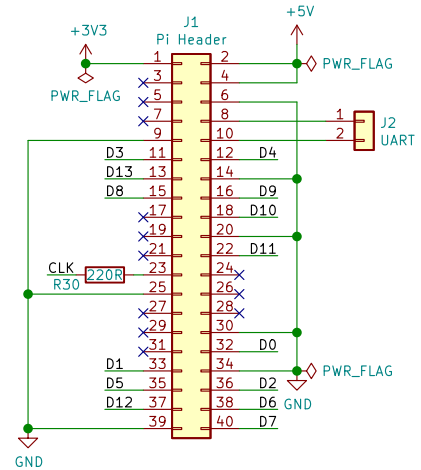
64MHz ADC Clock



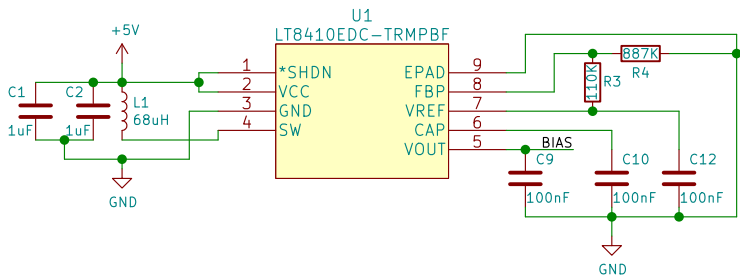
ADC Differential Filter



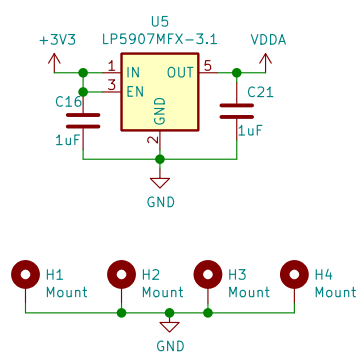
Pi 3B Header



35V SiPM Bias



3.1V Analog Source



ADC Mode: Offset Binary, Duty Cycle Stabilizer off
ADC Range: 2V peak-to-peak, 1V common mode
ADC Input Filter: 66MHz
SiPM Input: 35V, 10mV switching noise, 1.5mA max
SiPM Overvoltage: 12V, 1e6 Gain, 6% PDE

Sheet: /
File: DLSSensorModule.sch

Title: Dynamic Light Scattering Sensor Module

Size: A4	Date: 2020-09-24
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Rev: A
Id: 1/1

