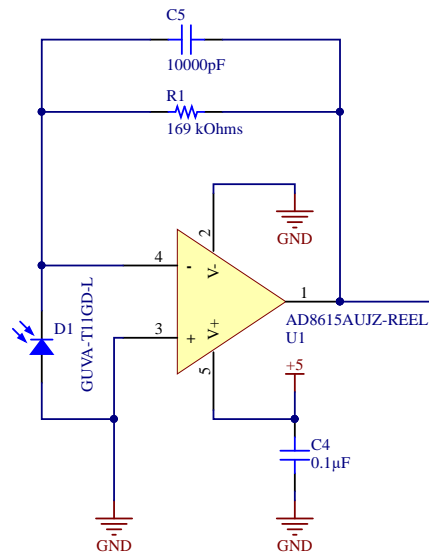
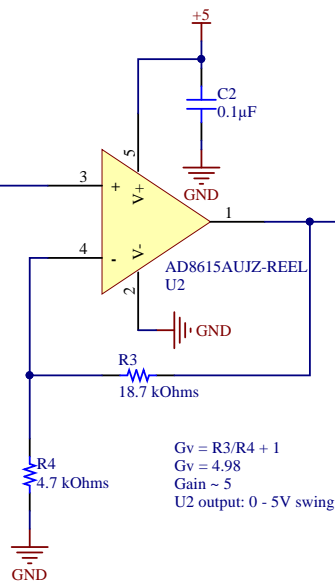


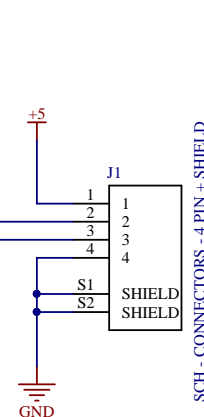
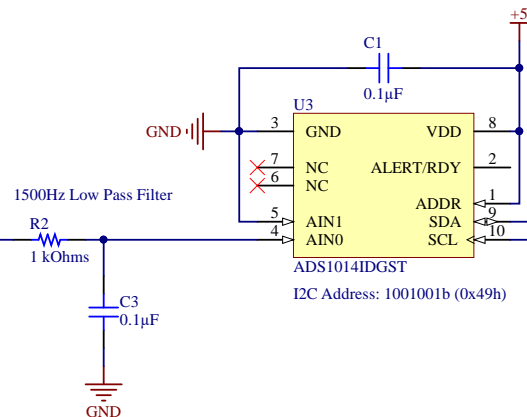
LED
VLMU60CL00-280-125CT-ND



$V_o = I_{pd} \cdot R_1$
 $I_{pd} \sim 6\mu A \text{ MAX}$
 $R_1 = 166666 \text{ Ohms (169K actual)}$
 $U1 \text{ output: } 0 - 1V \text{ swing (1.014V max calculated)}$

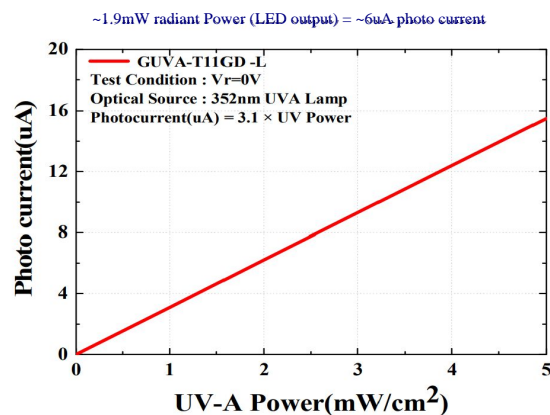


$G_v = R_3/R_4 + 1$
 $G_v = 4.98$
 $\text{Gain} \sim 5$
 $U2 \text{ output: } 0 - 5V \text{ swing}$



Molex Connector
5037630491

Molex Cable Harness
151310400



Title SPEXTRO - Science Receiver Board		
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Date: 2/18/2020	Time: 7:10:17 PM	Sheet 1 of 1
File: ScienceReceiverBoard.SchDoc		

RIT SPEX
Matthew Glazer
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