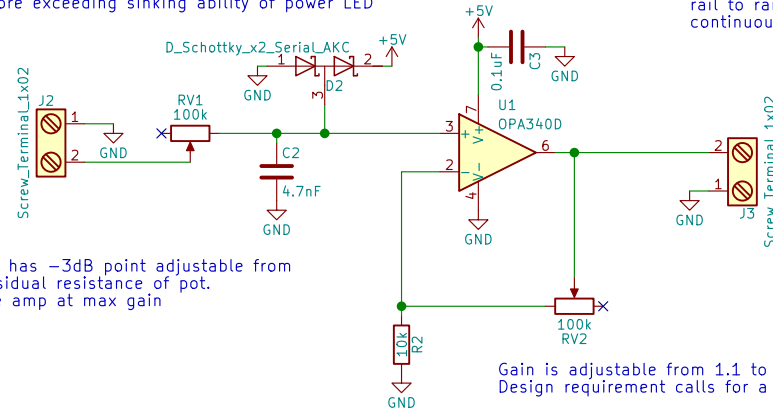


Input protection diodes clamp to supply if needed  
500 Ohm residual input pot can allow up to 15V input  
before exceeding sinking ability of power LED

OPA340 works well here for the constraints known  
rail to rail output is necessary  
continuous output short capability is nice



1st order low pass passive filter has  $-3\text{dB}$  point adjustable from  
34kHz down to 340Hz due to residual resistance of pot.  
This stays well below GBP of the amp at max gain

Gain is adjustable from 1.1 to 11  
Design requirement calls for a gain of 2.5

# Piaggio Fast Forward

Sheet: /

File: EE quiz board.sch

## Title: EE quiz board

Size: A4 Date: 2017-07-27

KiCad E.D.A. kicad 4.0.6

Rev: A

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