

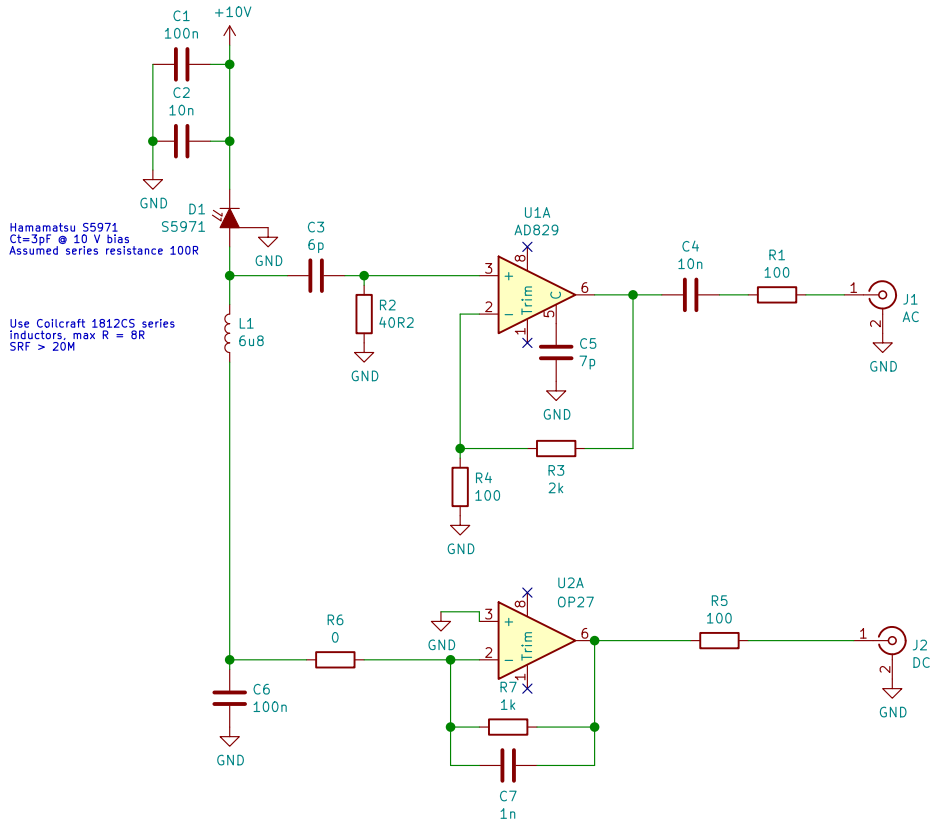
# Resonant photodiode amplifier

based on G. Heintel, "Electronic Noise in Interferometers", 1999

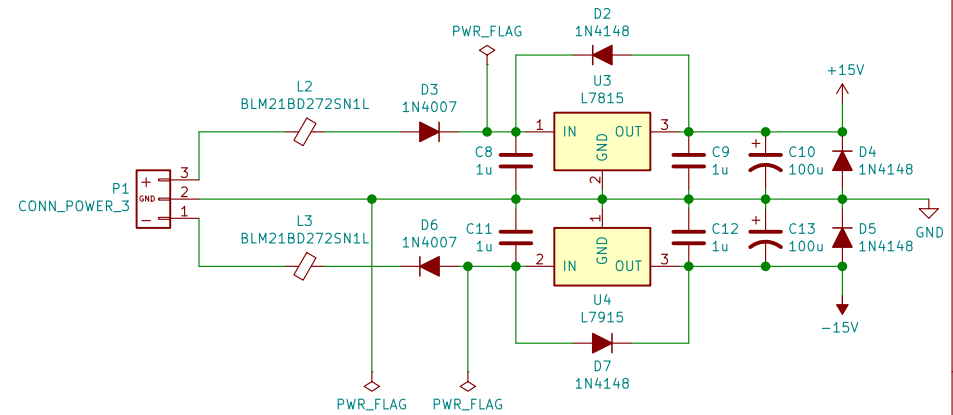
## Components choices

ca. 20 MHz:  
L1: 6.8 uH  
C3: 6 pF  
R2: 40.2R

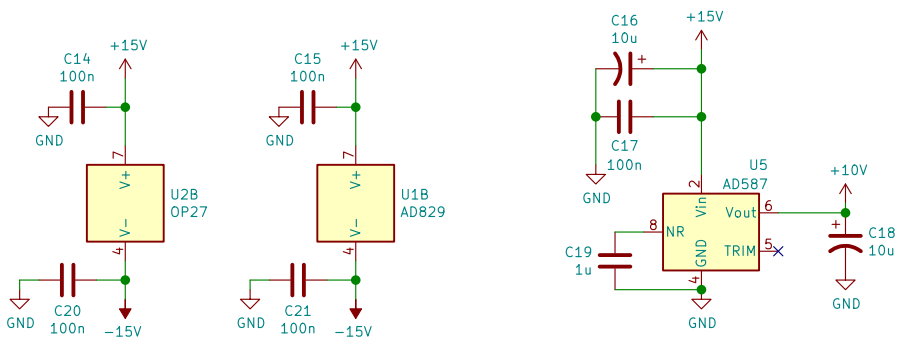
ca. 10 MHz:  
L1: 10 uH  
C3: 22 pF  
R2: 10R



DC output is inverted (always negative)



## Photodiode reverse bias supply



VLBAI / EW

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Sheet: /

File: pdh\_photodiode\_amplifiers.sch

**Title: PDH photodiode amplifier**

Size: A4 Date: 2018-06-25

KiCad E.D.A. kicad 5.0.1

Rev: 1

Id: 1/1