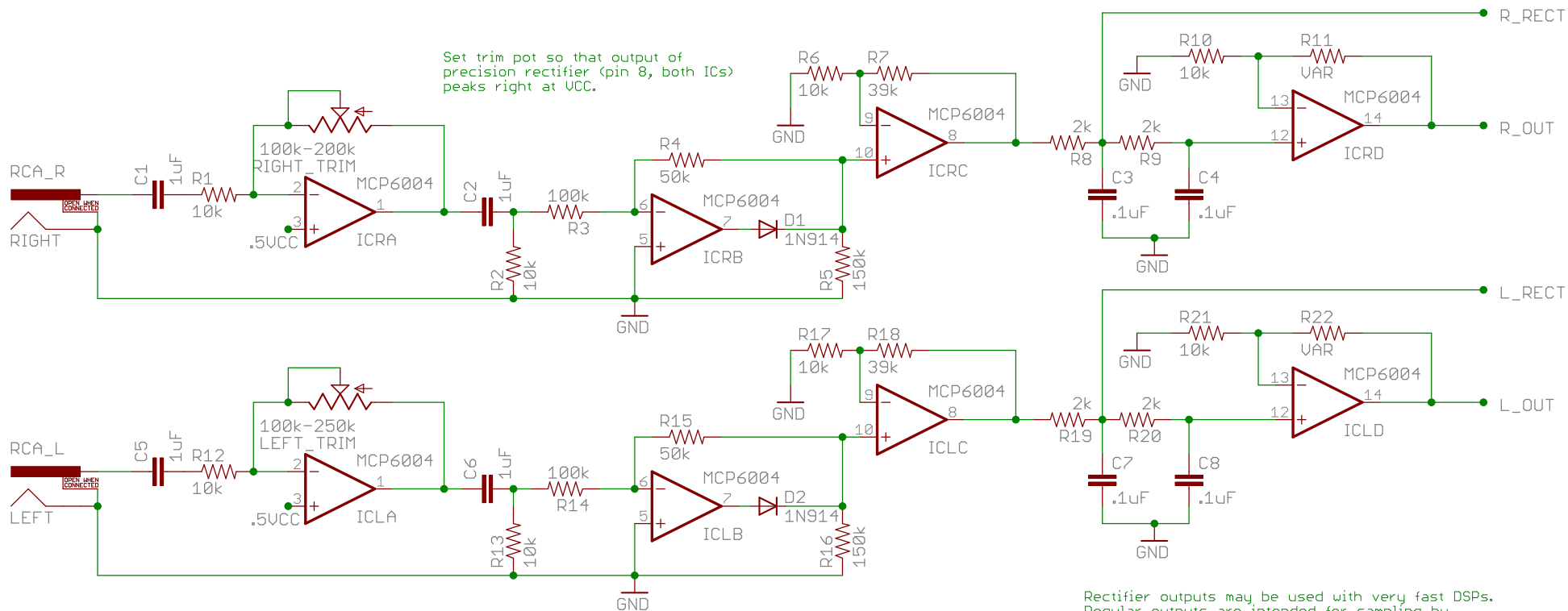


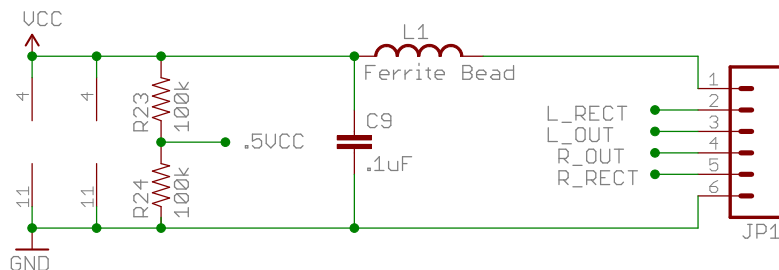
INPUT BUFFER/TRIM AMPLIFIER

PRECISION RECTIFIER

OUTPUT INTEGRATOR



- H1 MOUNT-HOLE2.8
- H2 MOUNT-HOLE2.8
- H3 MOUNT-HOLE2.8
- H4 MOUNT-HOLE2.8



Rectifier outputs may be used with very fast DSPs. Regular outputs are intended for sampling by Teensy's, Arduinos, etc. and the filters can be changed to match sampling rate needs.

2nd order integrators as listed (R8,R9,C3,C4;R19,R20,C7,C8) are common values that will produce close to an 800Hz cutoff which is ideal for sampling with a Teensy 3.1, which can sample both ADC inputs at about .5ms with typical supporting code for at UU meter.

NOTE: R10, R11 & R21, R22 can be changed to provide output gain. When using the RC filter values shown, R10 & R21 should be omitted, and jumpers should be placed for R11 and R22 to provide unity gain.