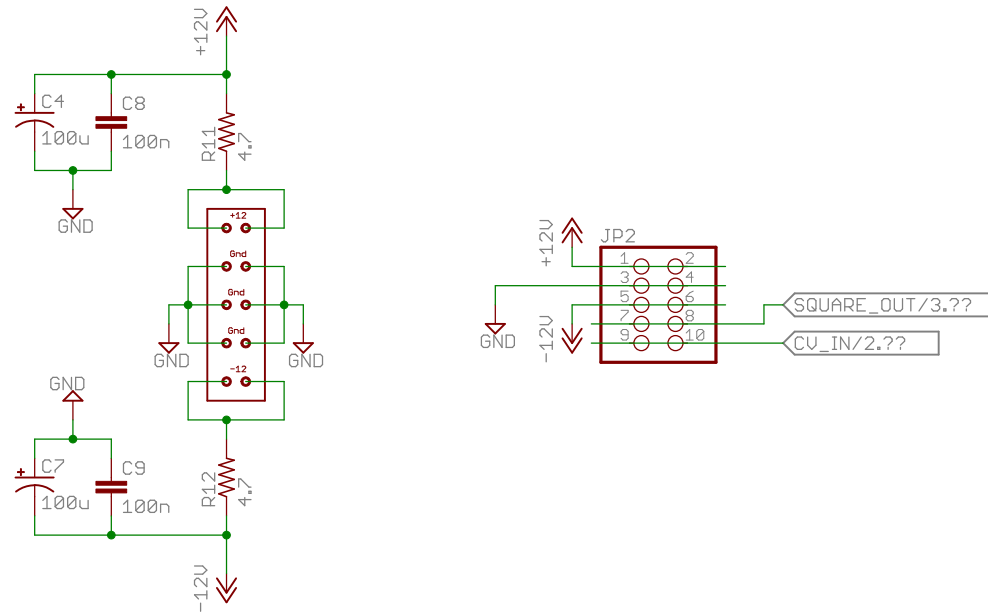
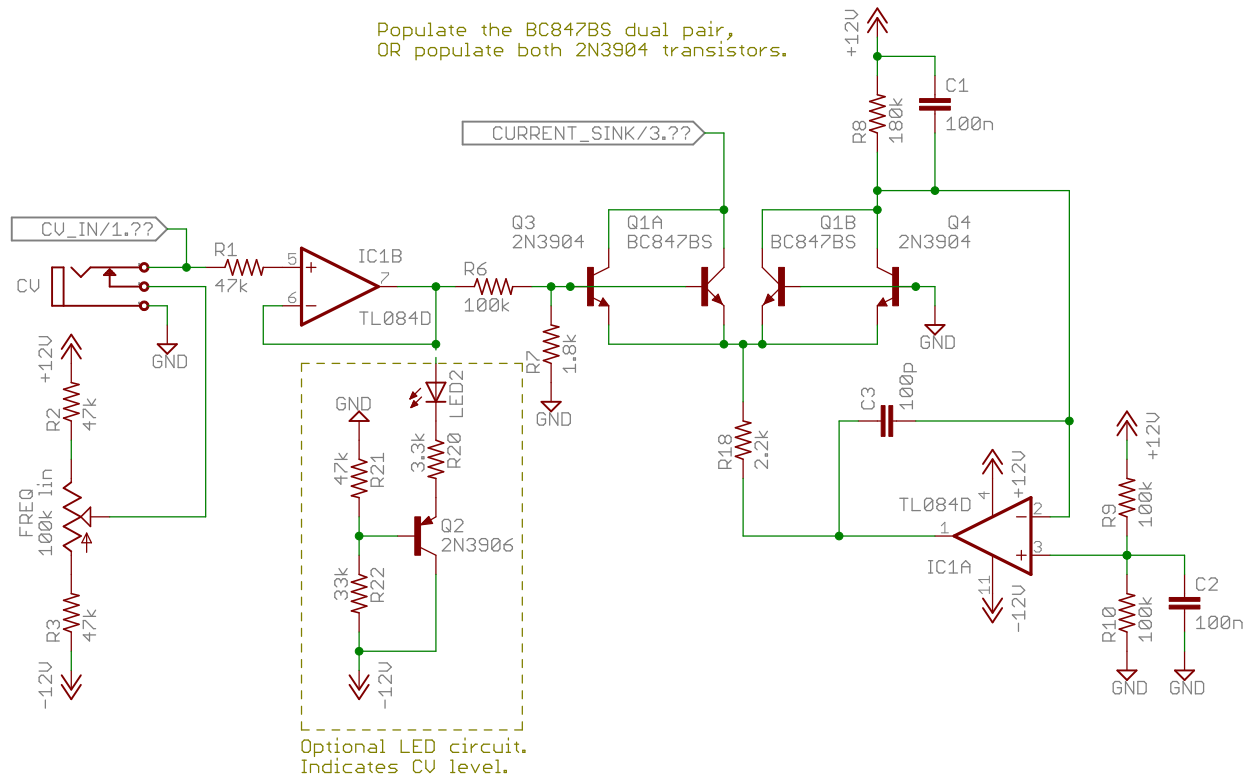


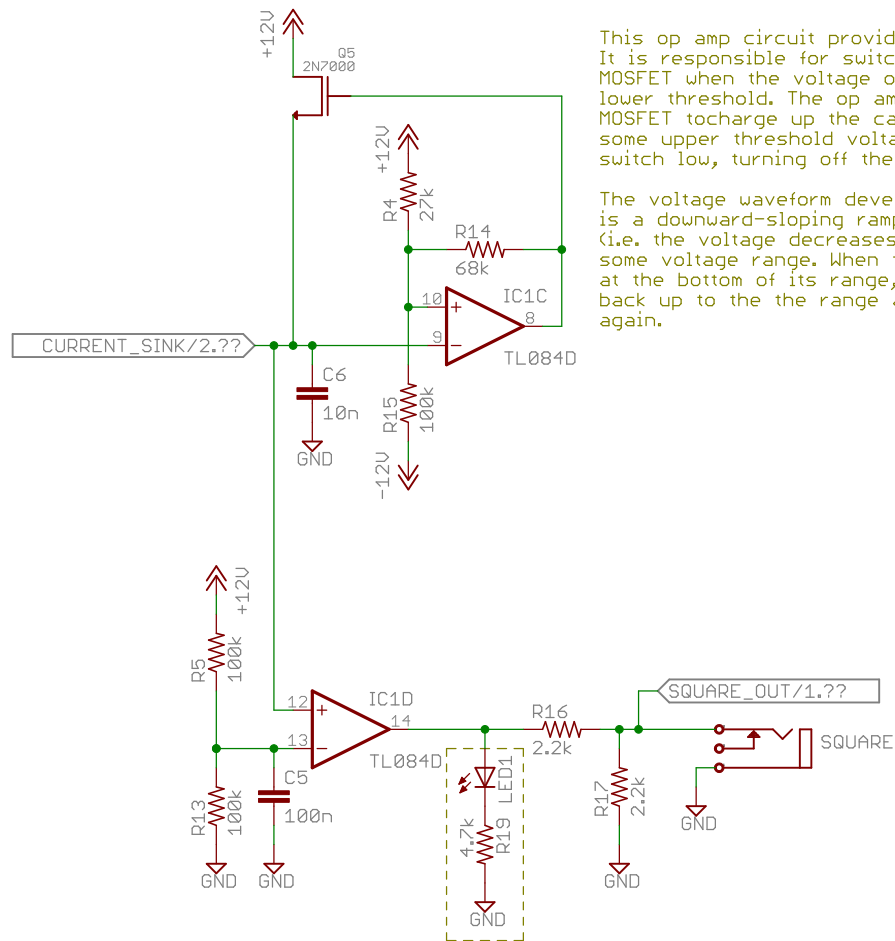
Ryan Jensen  
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# PS-VCO

An attempt at creasing minimalistic VCO.







This op amp circuit provides hysteresis. It is responsible for switching on the 2N7000 MOSFET when the voltage on C6 reaches some lower threshold. The op amp will use the MOSFET to charge up the capacitor to some upper threshold voltage, and then switch low, turning off the MOSFET.

The voltage waveform developed on C6 is a downward-sloping ramp waveform. (i.e. the voltage decreases linearly over some voltage range. When the voltage is at the bottom of its range, it quickly jumps back up to the the range and starts decreasing again.

Optional LED circuit.  
Indicates Square Wave ON state.