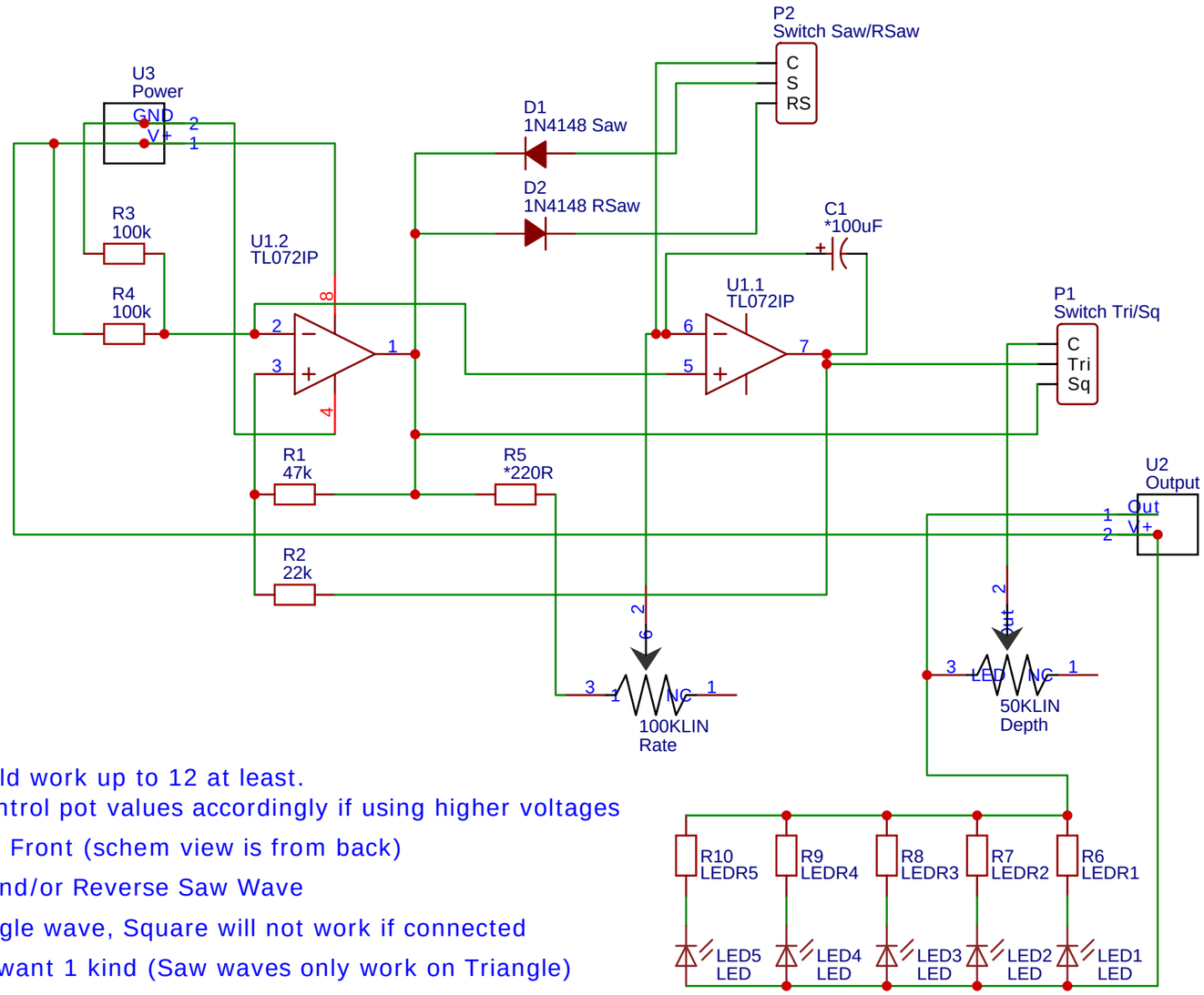

Tested with 5 volts. Theoretically should work up to 12 at least.
Adjust LED Resistor and potentially control pot values accordingly if using higher voltages

Pot Pin 1 is Left when viewed from Front (schem view is from back)

Diodes only needed if using Saw and/or Reverse Saw Wave

Saw wave diodes modify the Triangle wave, Square will not work if connected

Jumper C to waveform if you just want 1 kind (Saw waves only work on Triangle)

Depth control really just adjusts brightness. Jumper Pins 2&3 if not needed

* Cap value determines the range of LFO timing, larger cap means longer times
  Recommend a value between 10uF and 100uF
  100uF allows for a nice long timing, but could be increased if desired
* R5 value determines fastest possible rate, use higher value for lower value Cap
  Recommend 220-470R for large caps (47-100uF), 1k for smaller caps (10-22uF)

Sample 4 Way Switch Connection for All Waveforms:
(Need a 2 Pole 4 position switch)
Square: P1C>P1Sq
Triangle: P1C>P1Tri
Saw: P1C>P1Tri, P2C>P2S
Rev. Saw: P1C>P1Tri, P2C>P2RS

Attach desired number of LEDs with appropriate resistor
(~220R-1k will probably work for most anything)

Attach LDR of desired value to LED to use LFO on any Variable Resistor/Pot control

Run connection from U2 if additional LEDs are needed
(don't forget to add your own resistor for each LED you add)

Try different color LEDs, but Green with a 220R resistor works nicely

TITLE: LmFaO - LED LFO		REV: 1.0
EasyEDA	Company: Peter Cat Productions	Sheet: 1/1
	Date: 2021-08-19 Drawn By: po8aster	