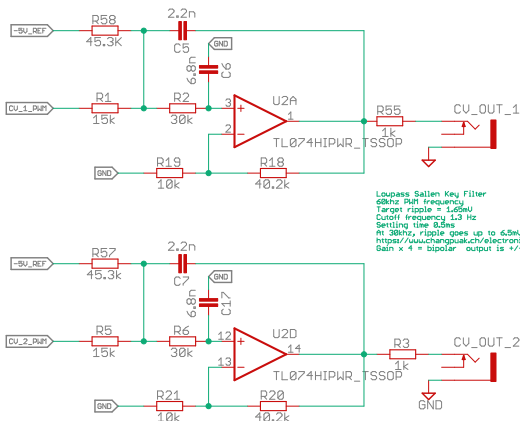
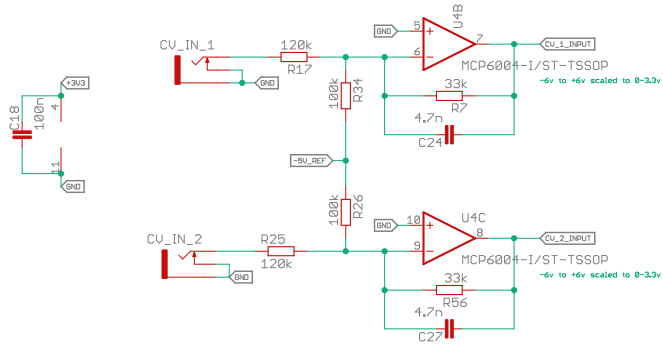
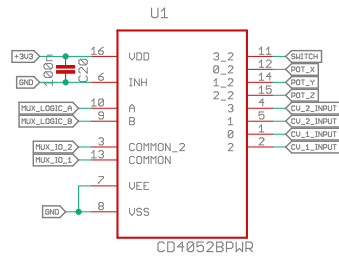
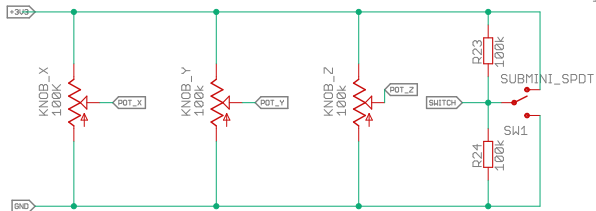


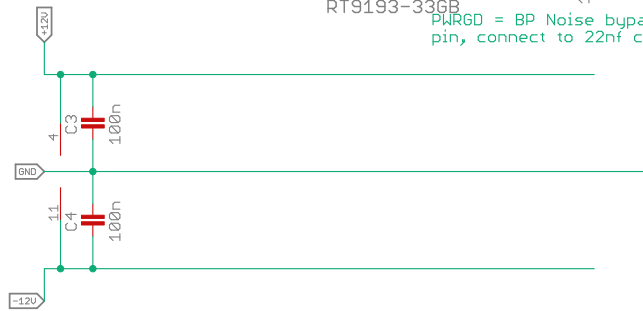
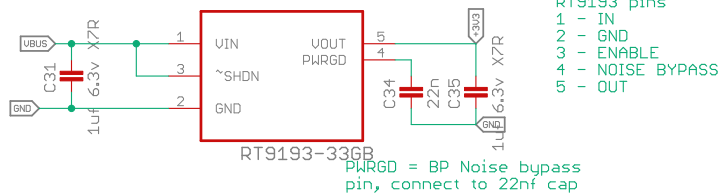
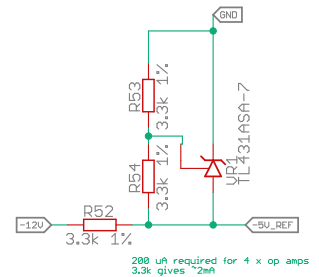
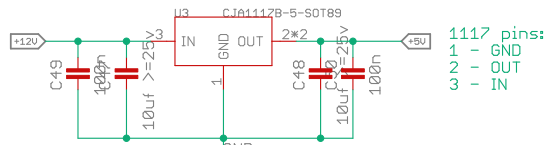
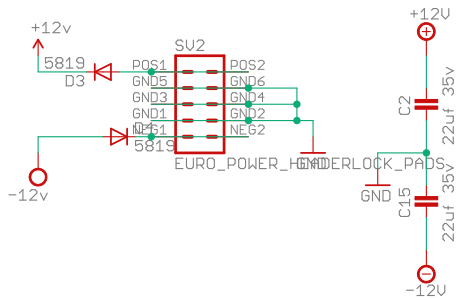
These should turn  
 0-2.048v from the DAC  
 to -6.07v to +6.06v



Loupass Sallen Key Filter  
 68Hz P4H frequency  
 target ripple = 1.65mV  
 cutoff frequency 1.3 Hz  
 settling time 0.8ms  
 At 38Hz, ripple goes up to 6.8mV  
<https://www.chengduok.com/electronics/P4H-to-DC-Loupass-Calculator.php>  
 Gain x 4 = bipolar output is +/- 6.6v



GND



RT9193 pins  
 1 - IN  
 2 - GND  
 3 - ENABLE  
 4 - NOISE BYPASS  
 5 - OUT

PWRGD = BP Noise bypass  
 pin, connect to 22nf cap

