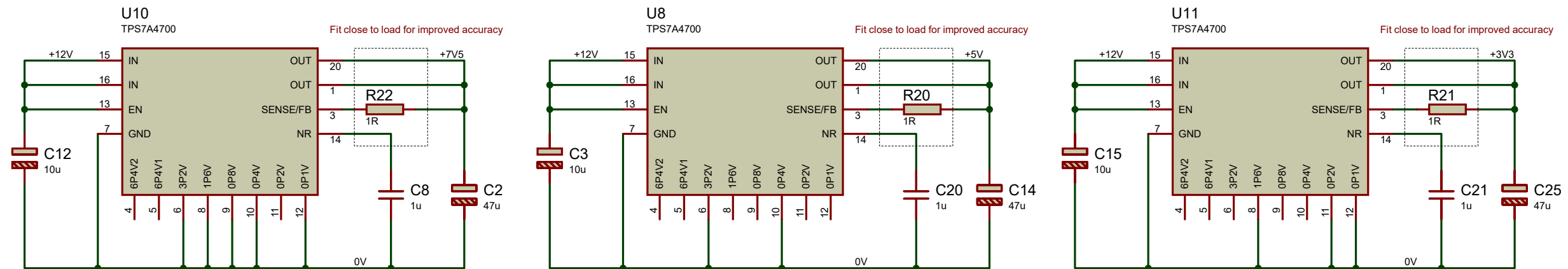
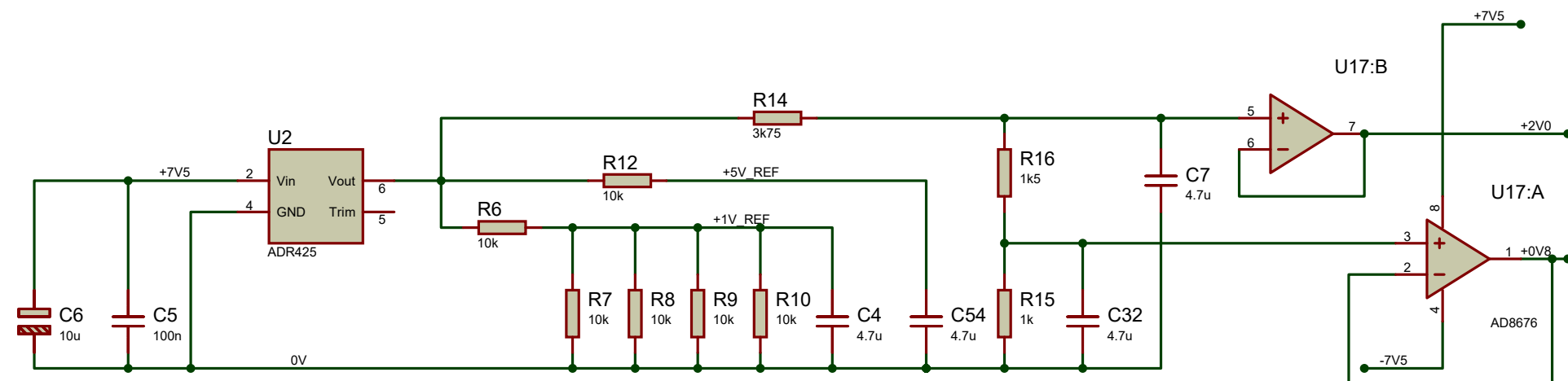
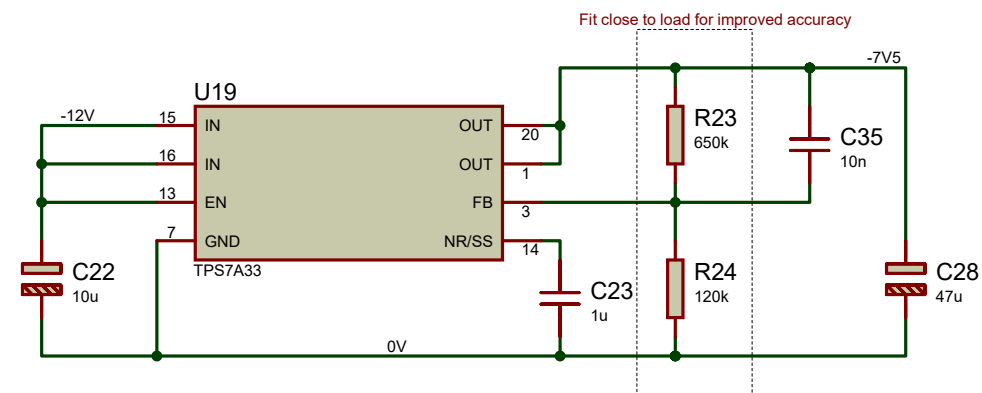


# Power supplies and voltage references

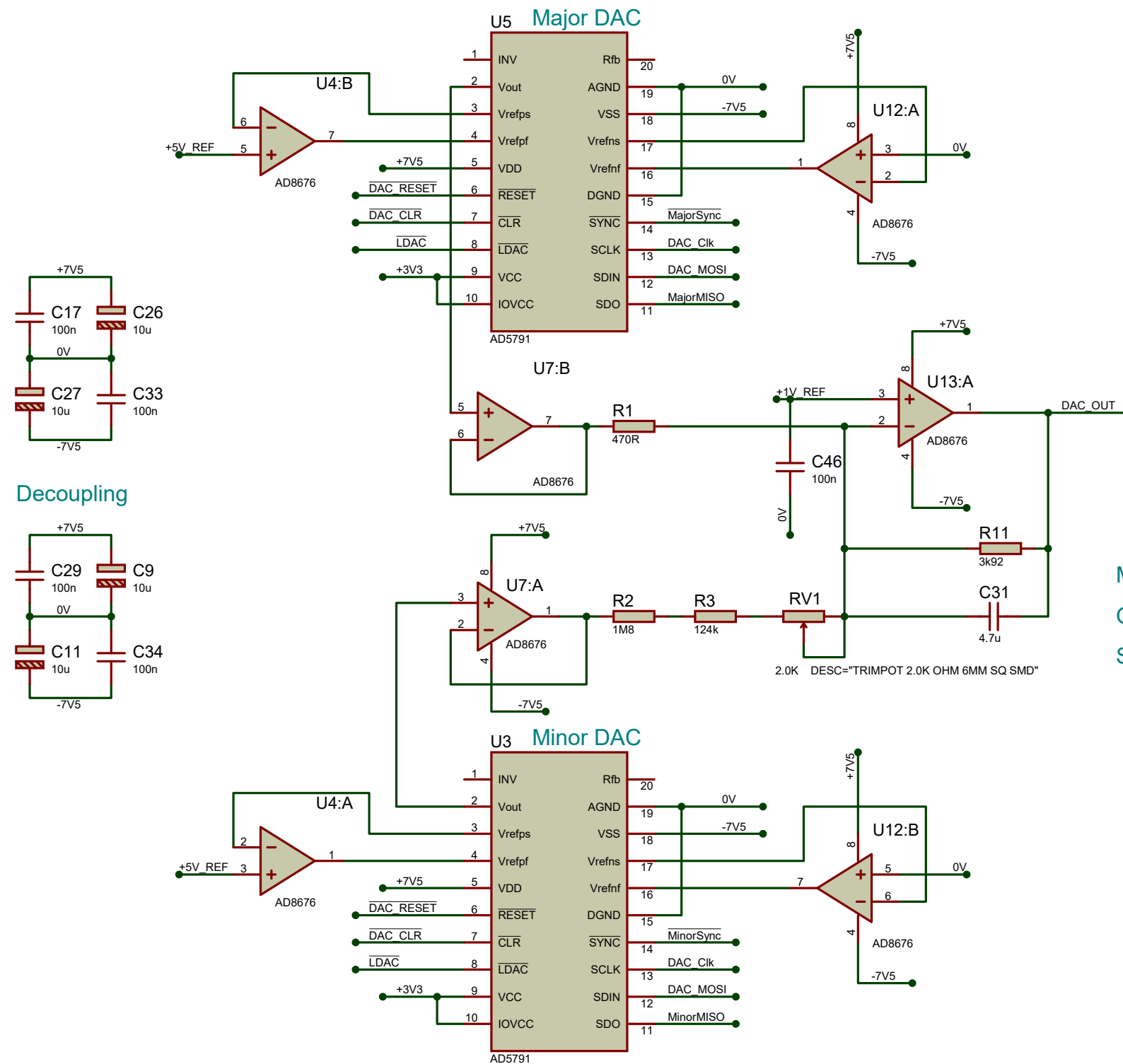


Power supplies: +7V5, +5V, +3V3, -7V5 @1A each



Reference voltages for ADC/DAC: 5V, 2V, 1V, 0.8V

# Major-minor DAC

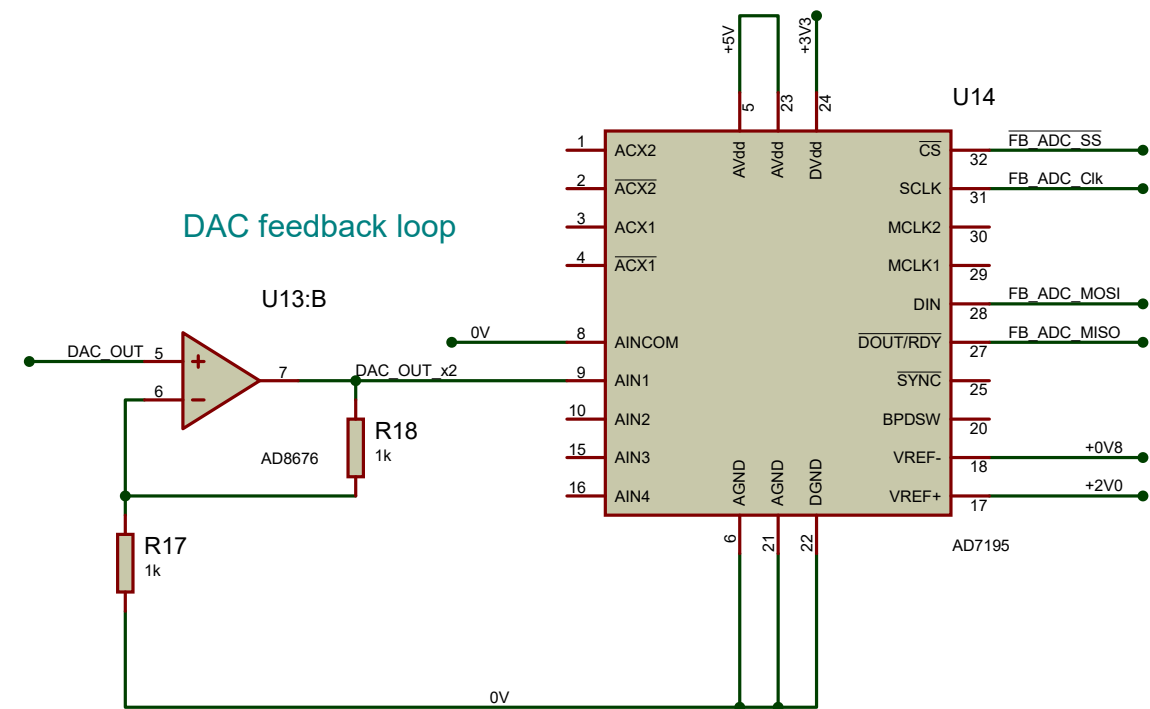
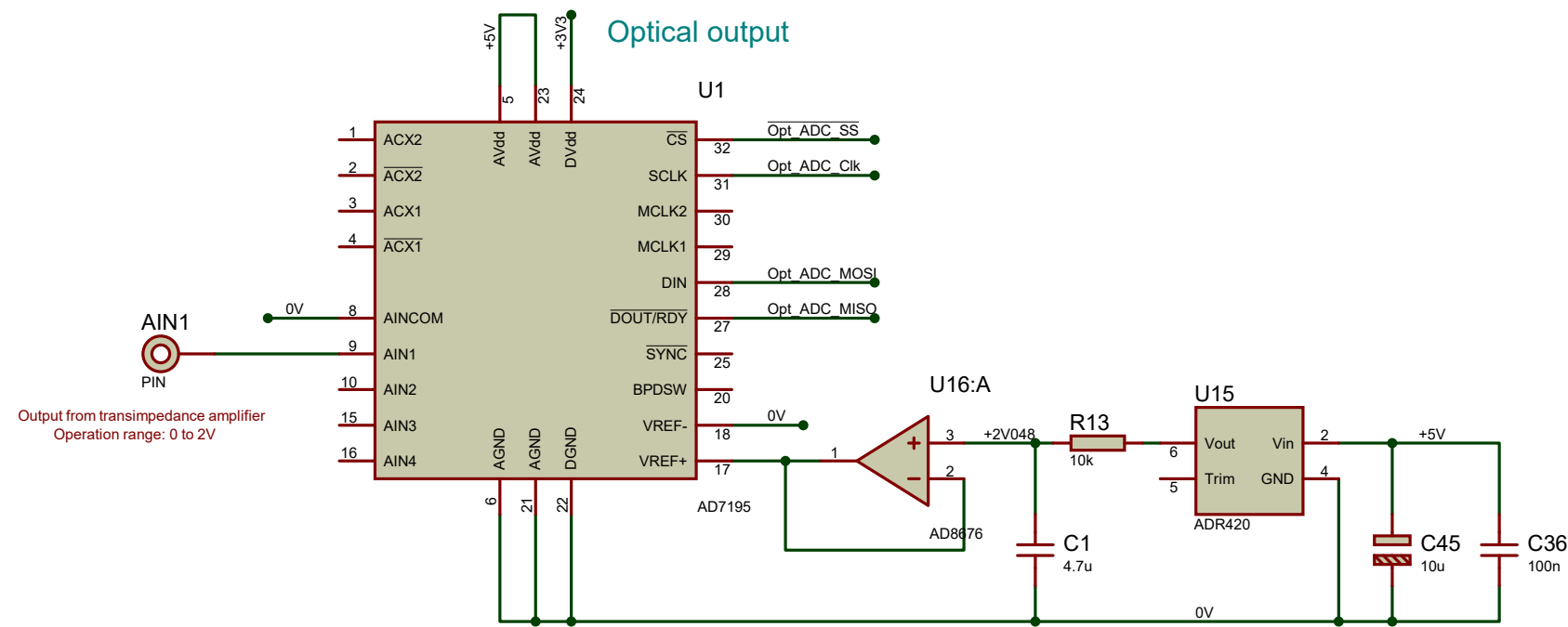


Minor DAC scaled down by factor of 4096

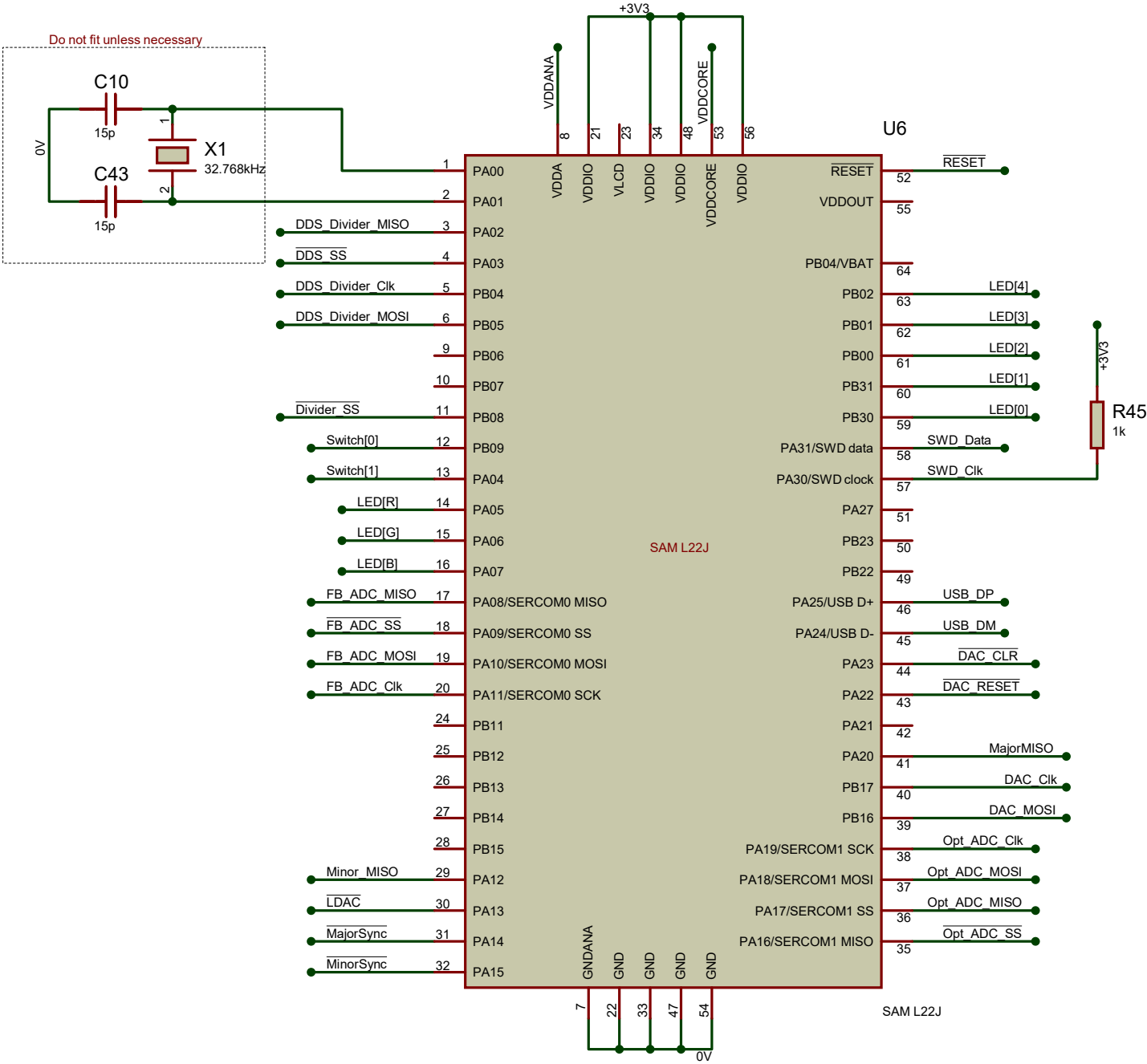
Output range is 0.4 to 1.0V

Summing amp includes a 8.7Hz LPF

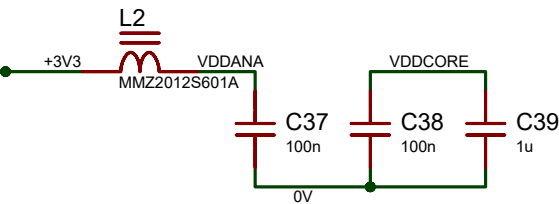
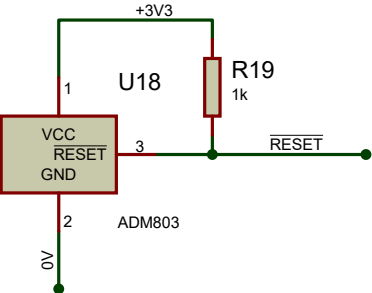
## ADCs



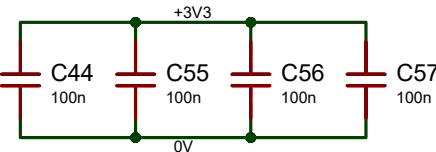
# Microcontroller



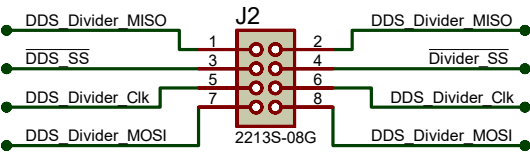
MCU power supply monitor



Decoupling

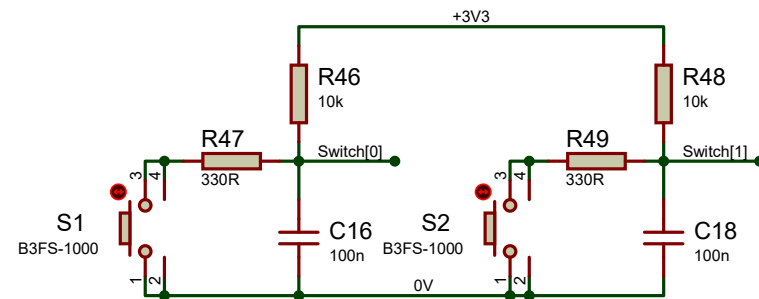


DDS & divider header

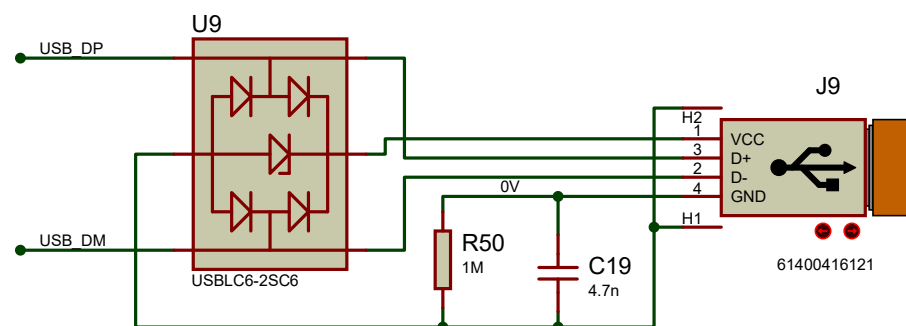


# Debugging

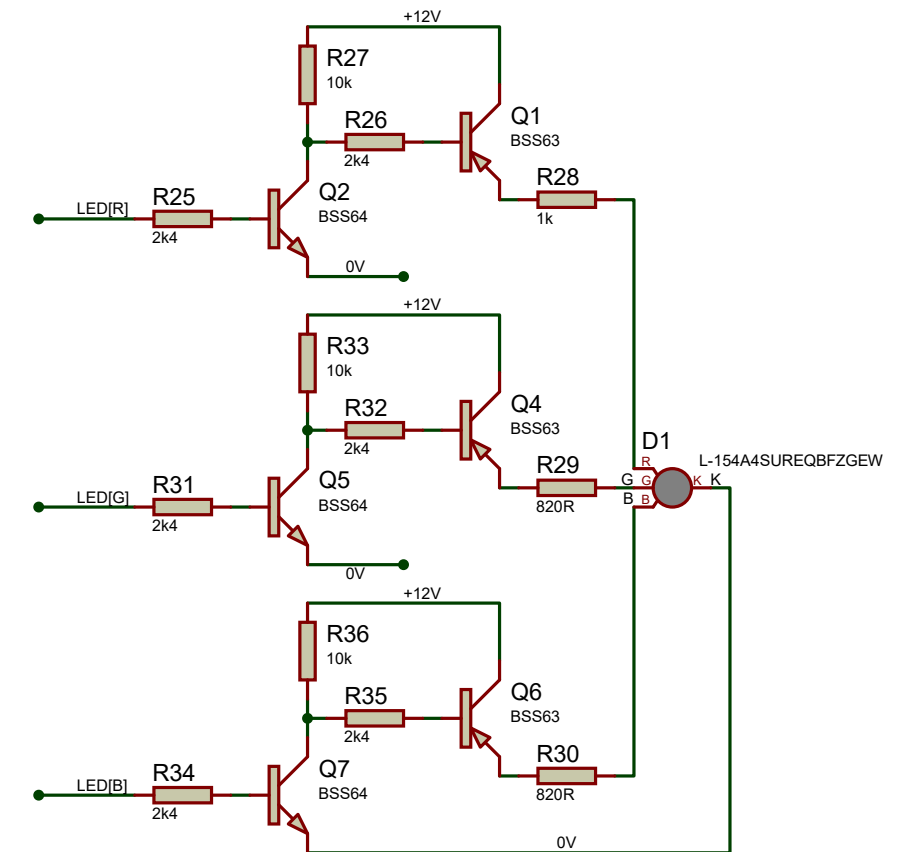
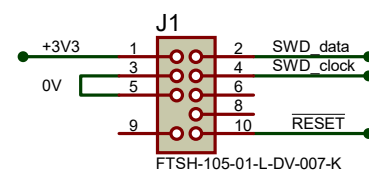
Switches - 2x with LPF



### USB2.0 with ESD suppressor



## Cortex debug connector



LEDs - 5x Green and 1x RGB

