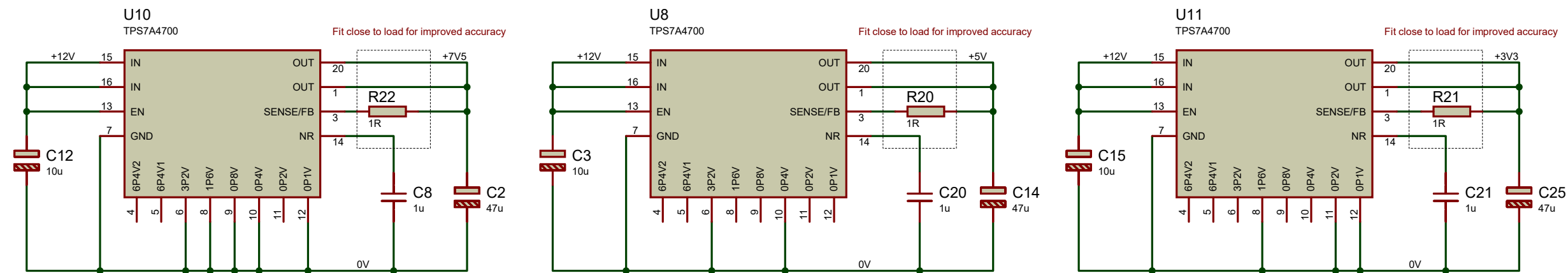
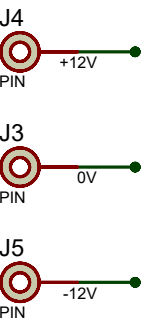


Power supplies and voltage references

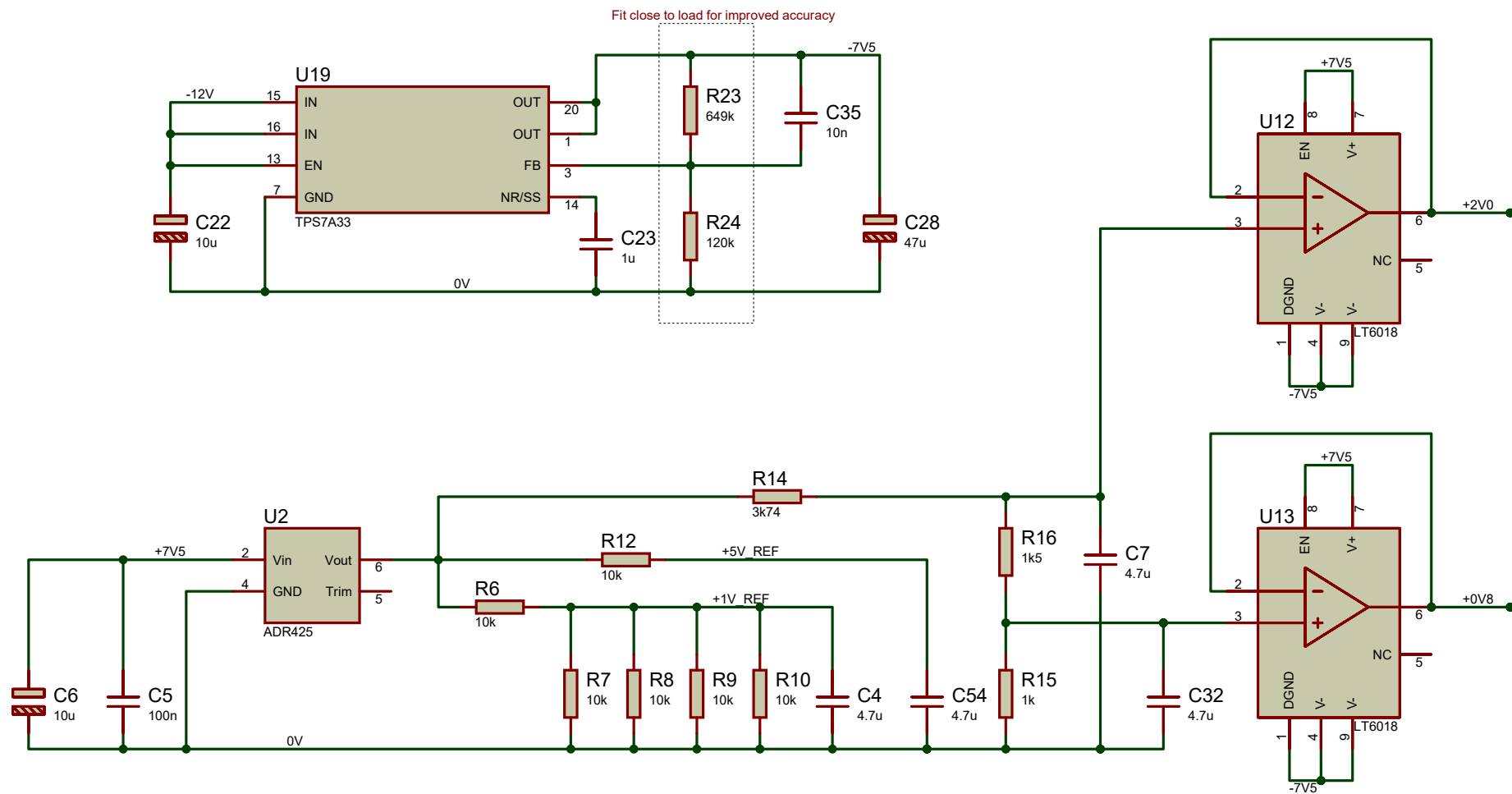
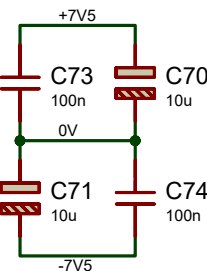


Supply pins (change for filtered connectors?)

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

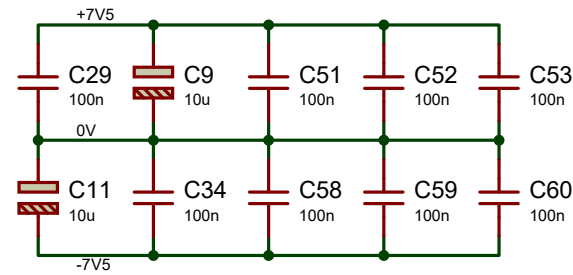


Decoupling

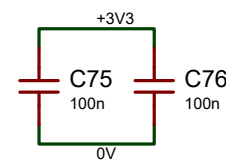


Reference voltages for ADC/DAC: 5V, 2V, 1V, 0.8V

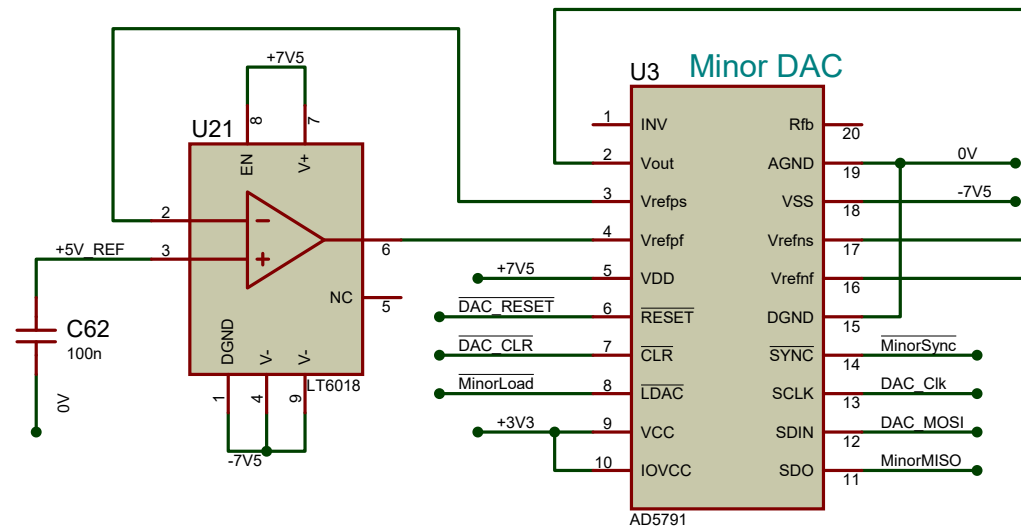
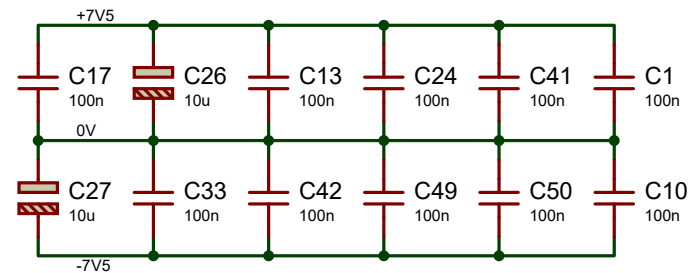
Major-minor DAC



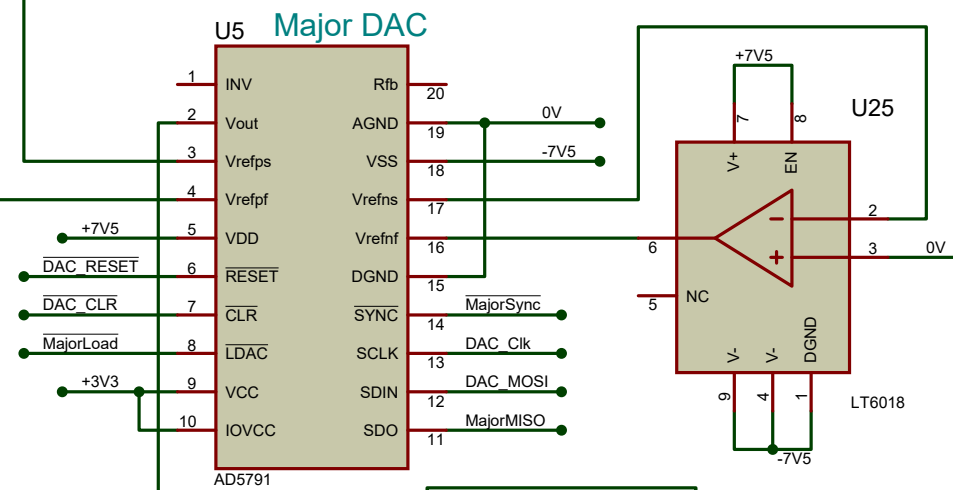
Decoupling



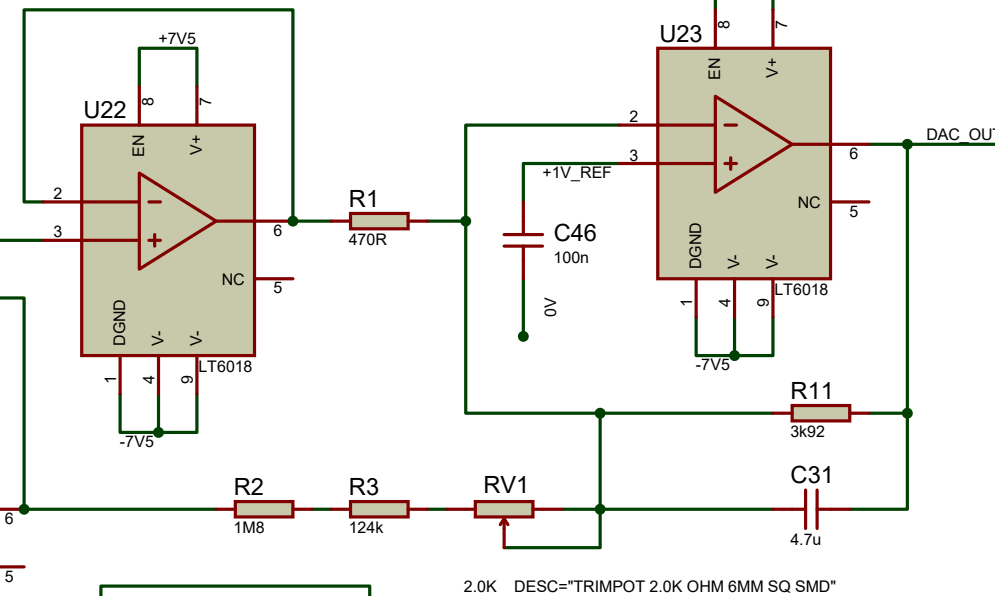
100nF close to each DAC and amp (both +ve and -ve supplies)



Minor DAC



Major DAC

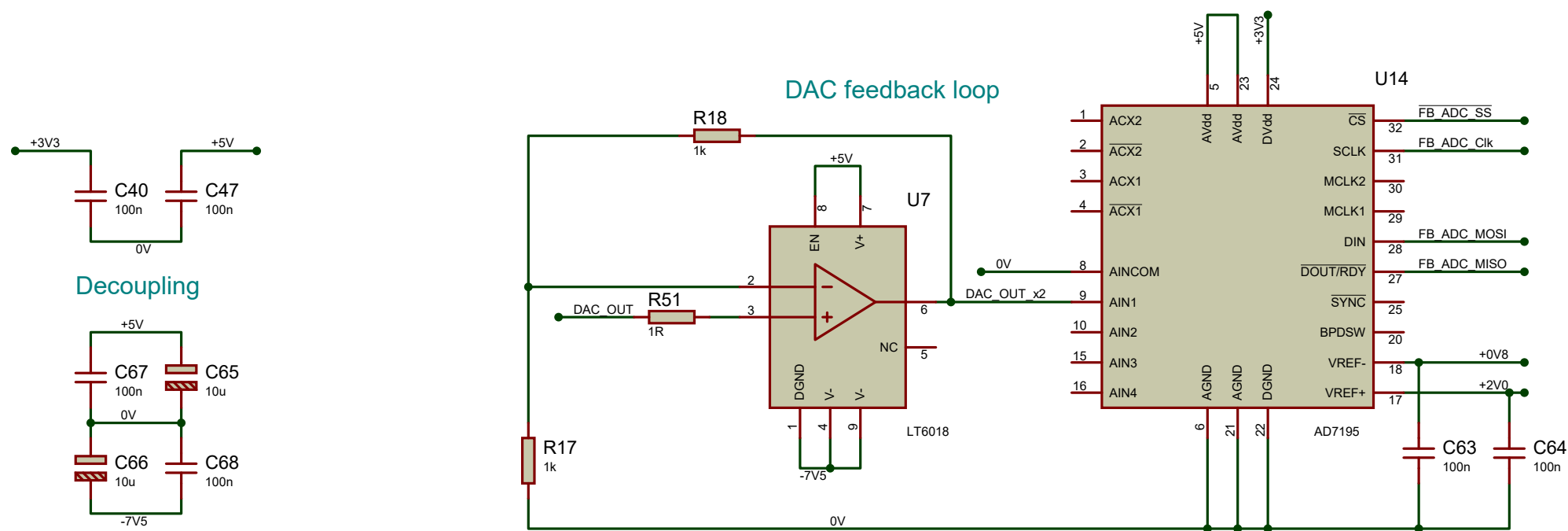


Minor DAC scaled down by factor of 4096

Output range is 0.4 to 1.0V

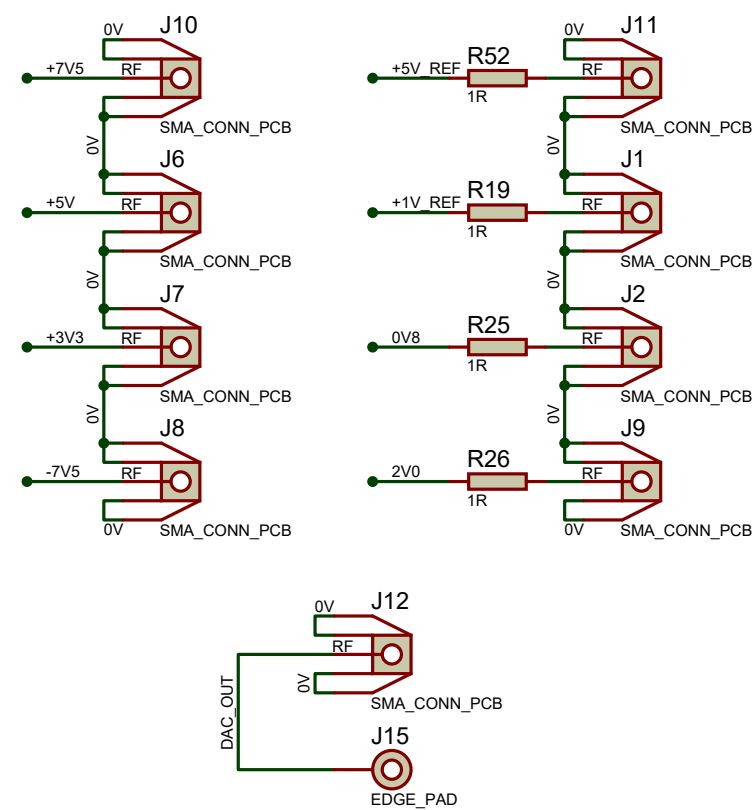
Summing amp includes a 8.7Hz LPF

ADC



Debugging

Voltage monitoring points



MCU connectivity

To Atmel SAML22 dev board

