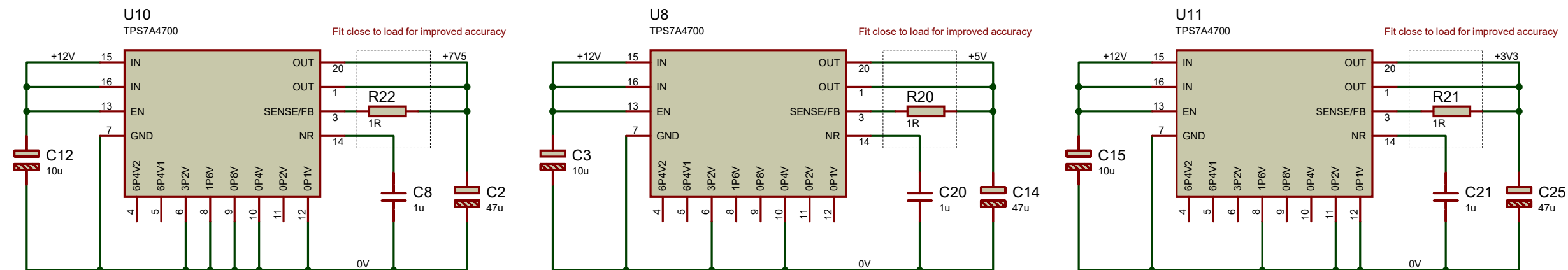
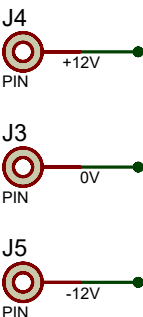


# Power supplies and voltage references

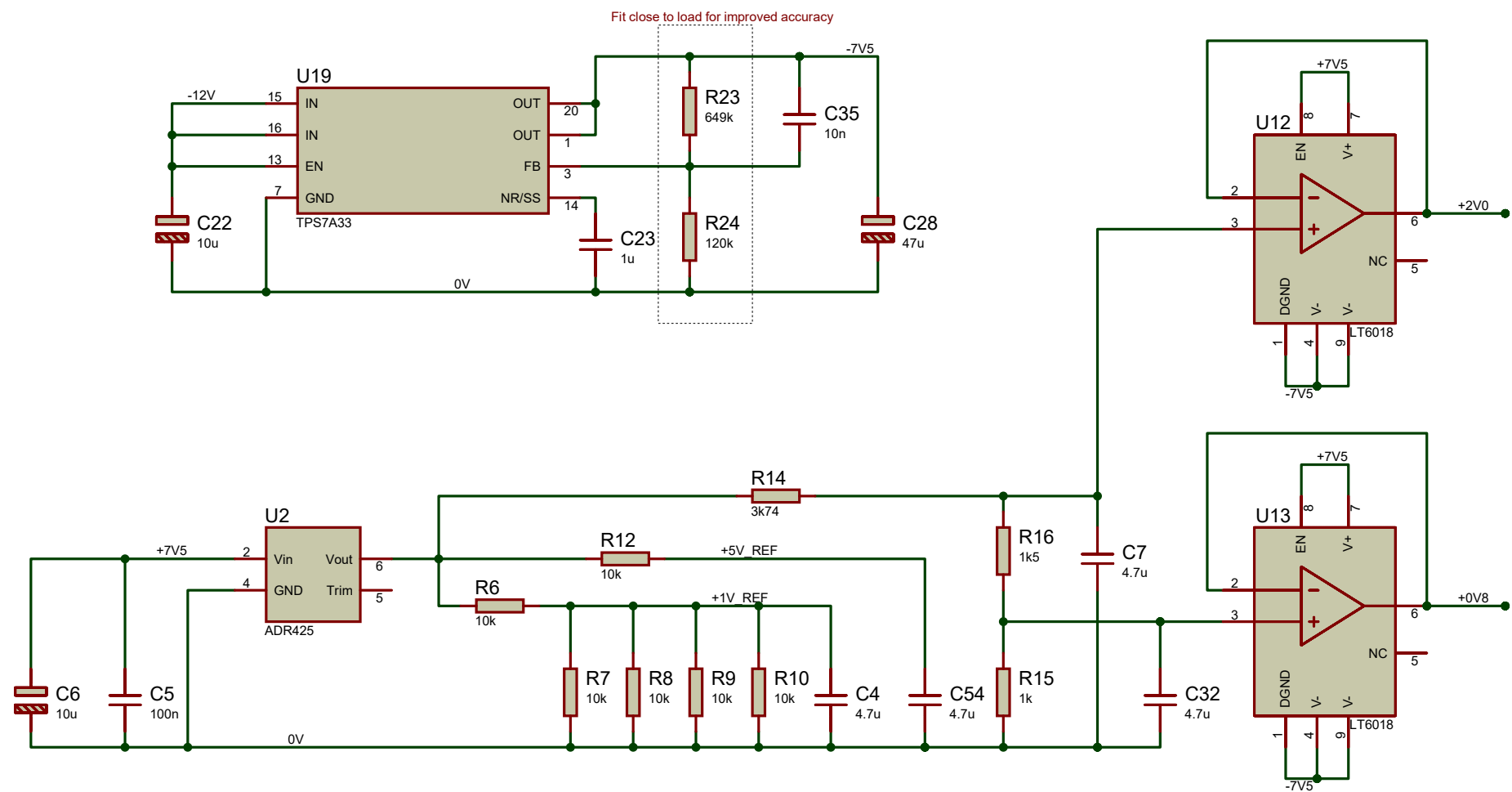
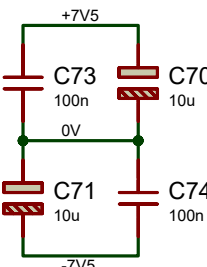


Supply pins (change for filtered connectors?)

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

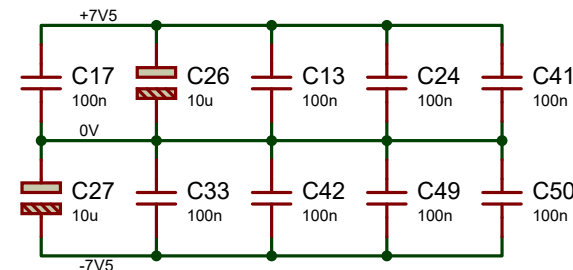


Decoupling

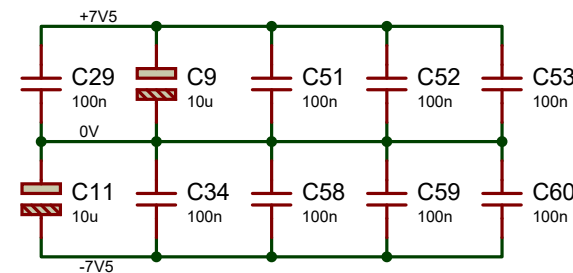


Reference voltages for ADC/DAC: 5V, 2V, 1V, 0.8V

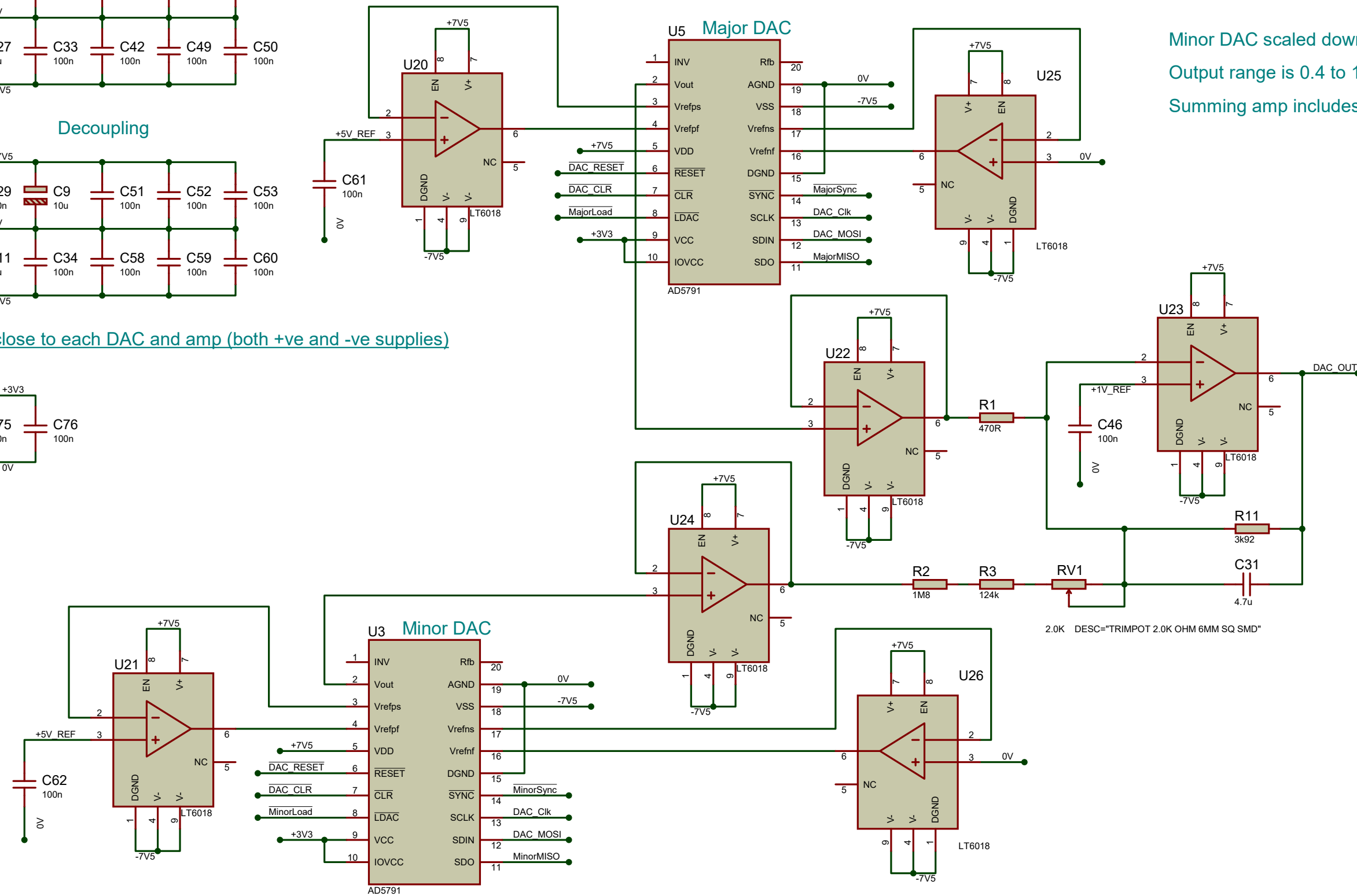
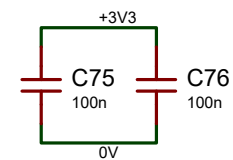
# Major-minor DAC



Decoupling



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

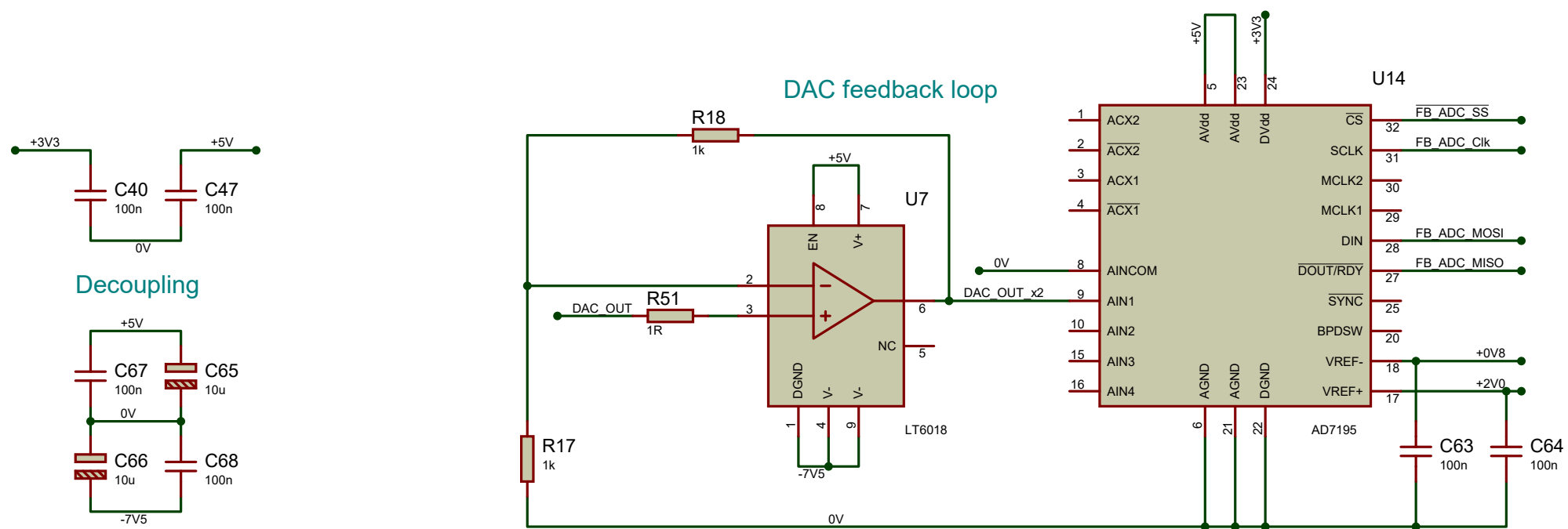


Minor DAC scaled down by factor of 4096

Output range is 0.4 to 1.0V

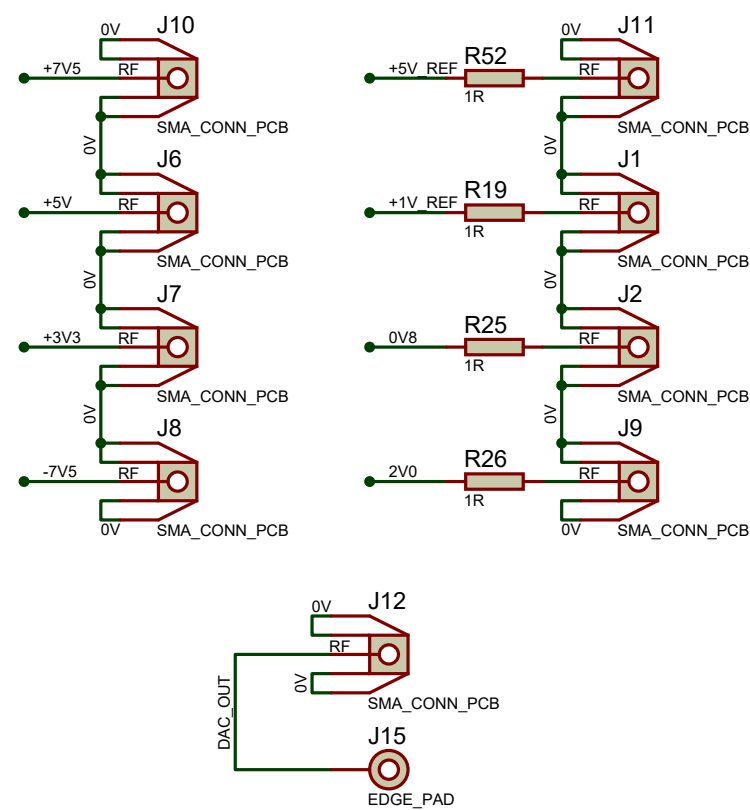
Summing amp includes a 8.7Hz LPF

# ADC



# Debugging

Voltage monitoring points



# MCU connectivity

To Atmel SAML22 dev board

