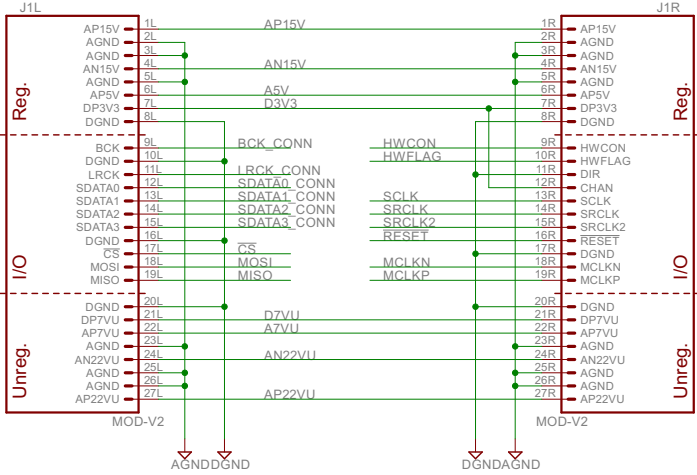


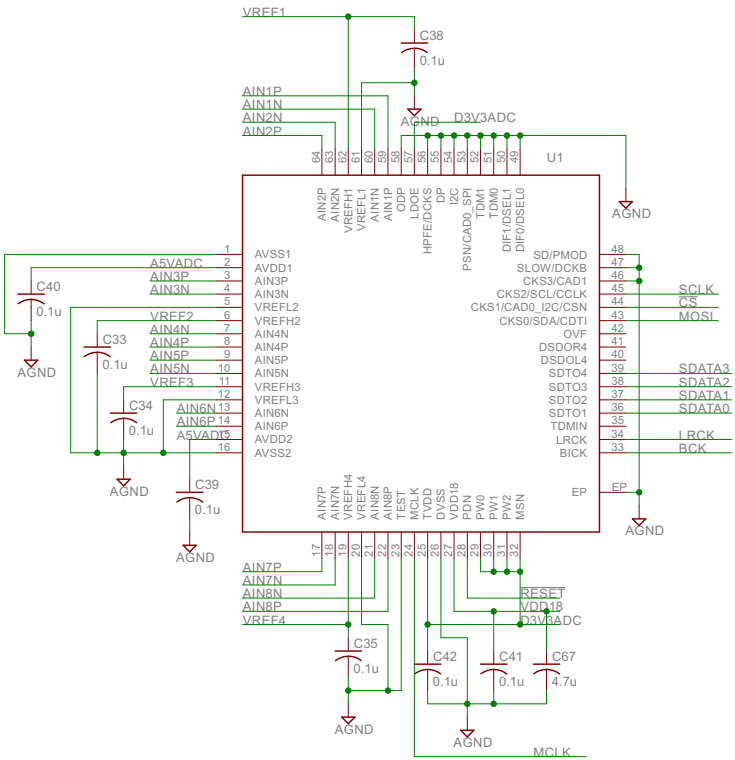
8-channel ADC (AK5578)

M. Price 10/29/2017

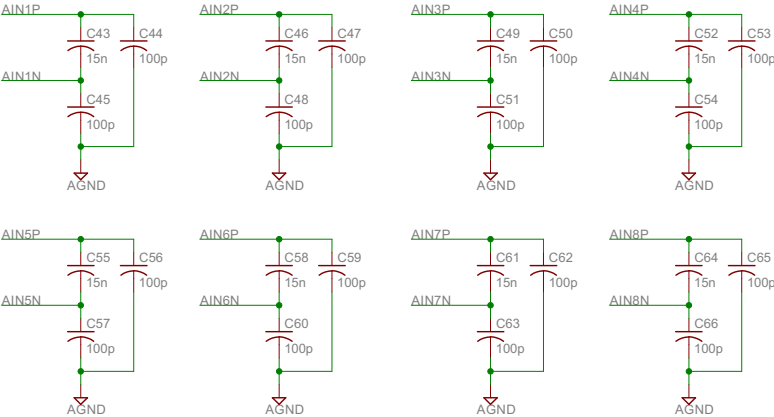
Connector to isolator main board



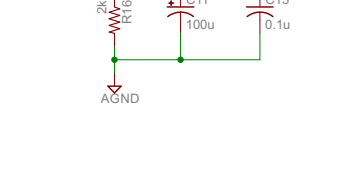
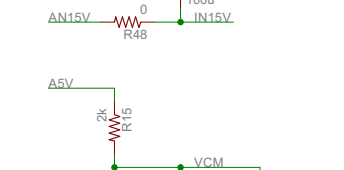
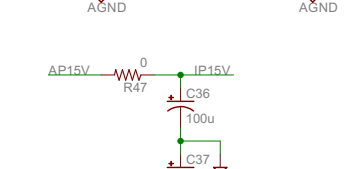
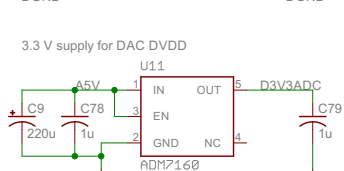
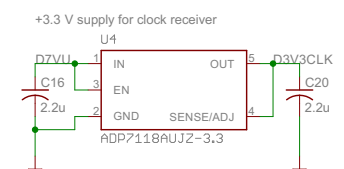
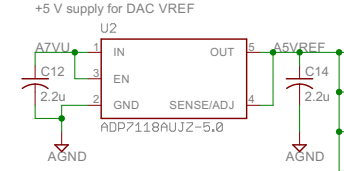
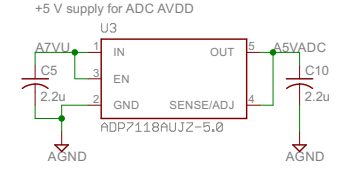
AK5578 ADC with decoupling



Input filter for ADC (along with 10 ohm resistors at amp outputs)
These should be NP0 caps

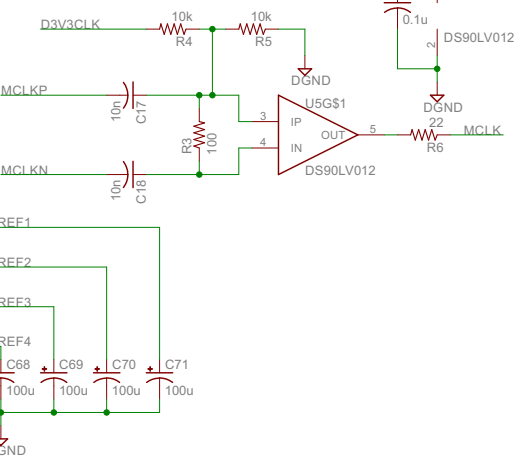


Regulators and supply filtering

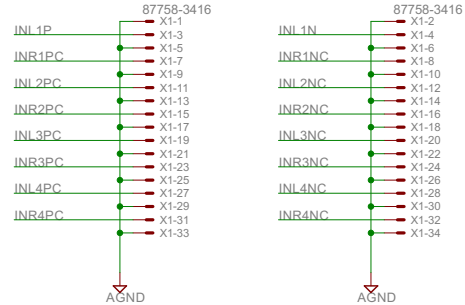


Clock receiver

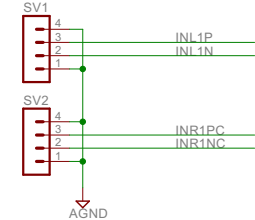
LVDS to CMOS (DS90LV012)



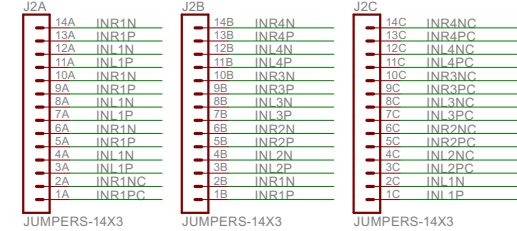
Input connector - 2mm 17x2 header



Alt. input connectors for stereo XLR

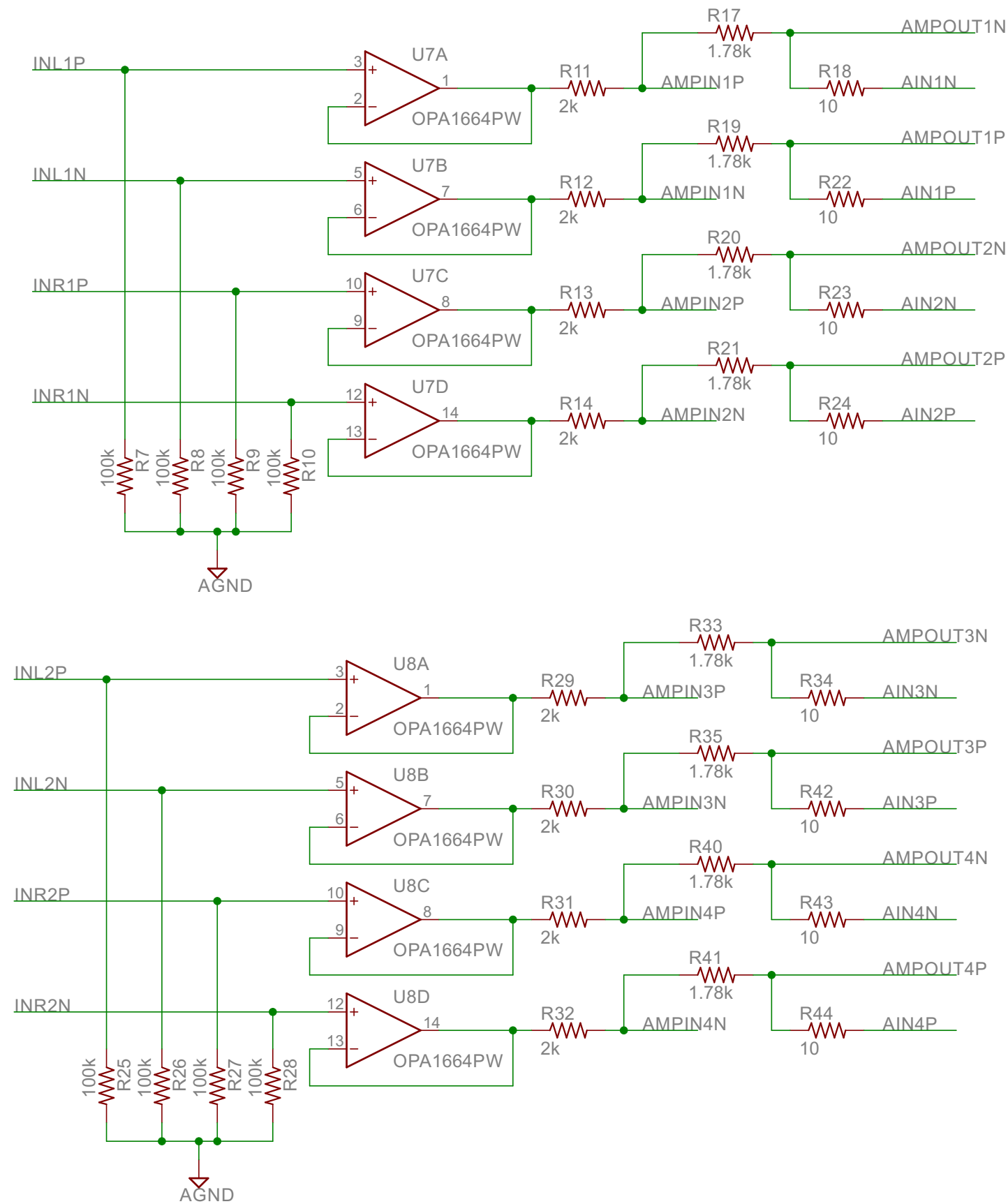


Jumper option for mono/2ch/8ch



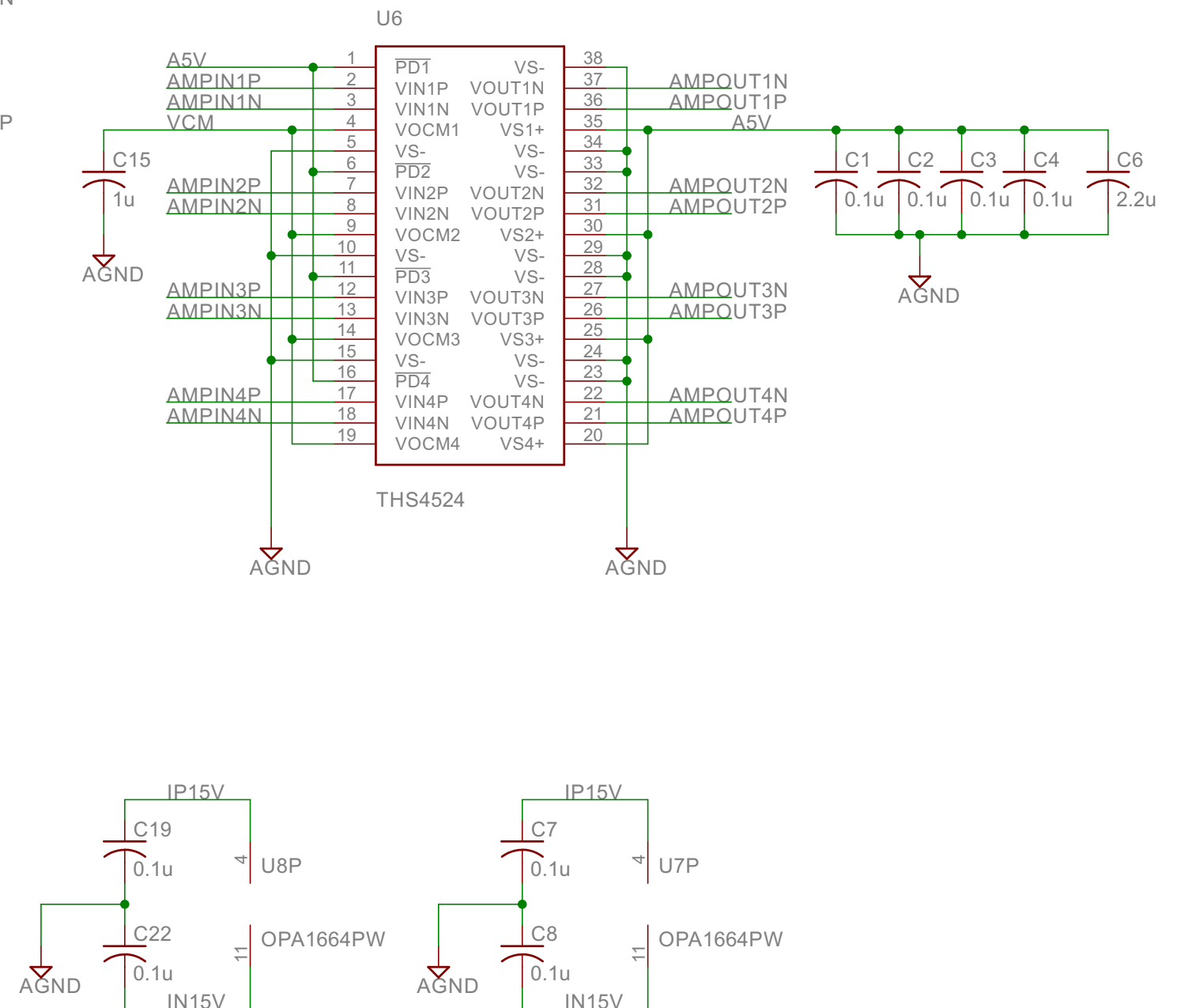
Analog input circuitry - channels 1--4

OPA1664 op amp: gain +1 buffer with 100k input imp.



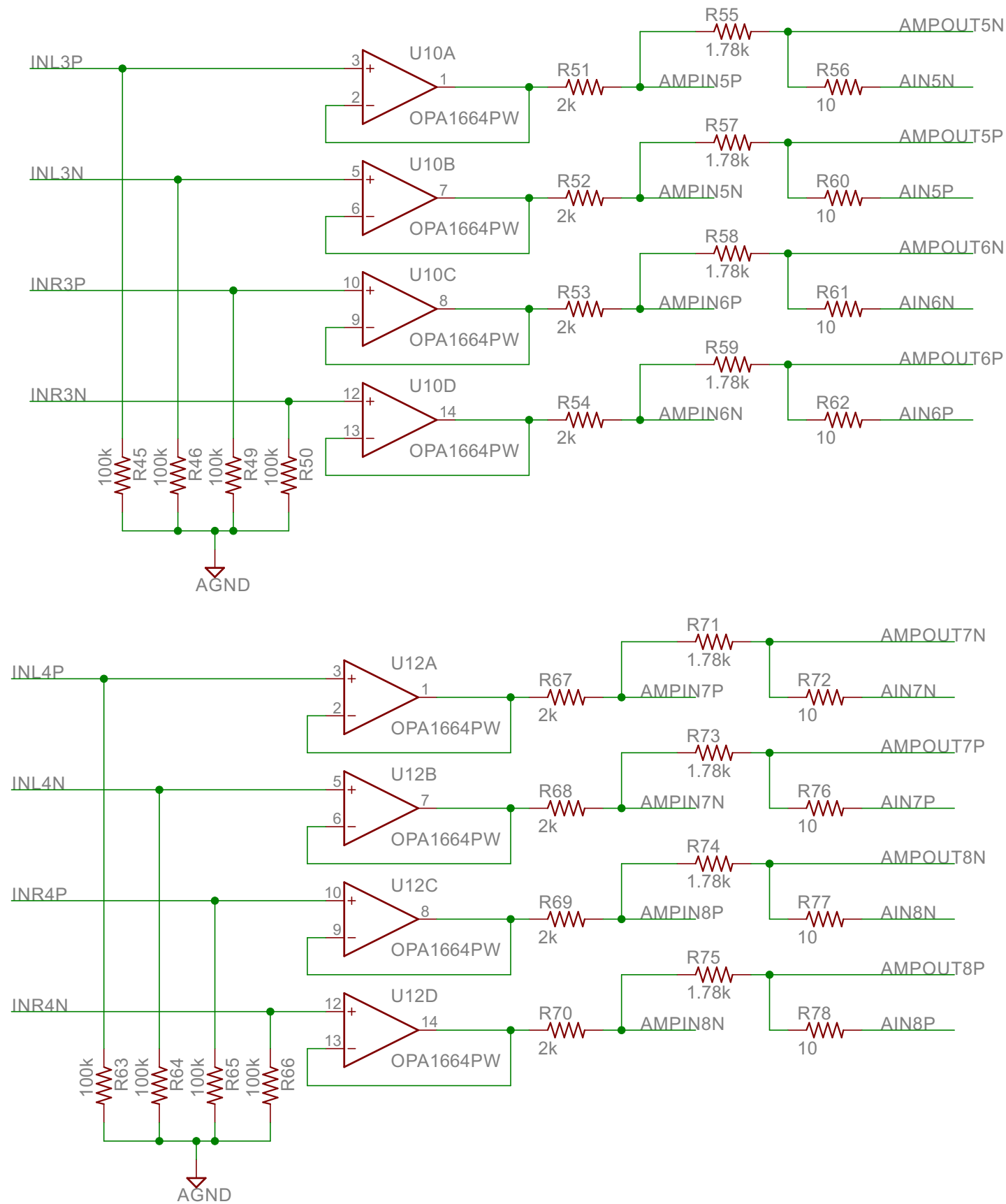
Diff amp for ADC driver - THS4524

Diff amp gain = -1 dB



Analog input circuitry - channels 5--8

OPA1664 op amp: gain +1 buffer with 100k input imp.



Diff amp for ADC driver - THS4524

Diff amp gain = -1 dB

