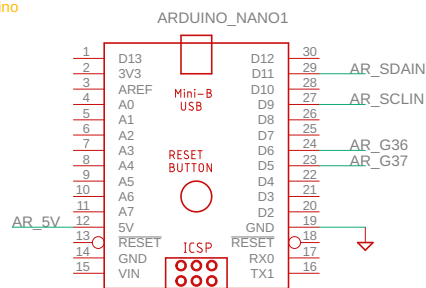
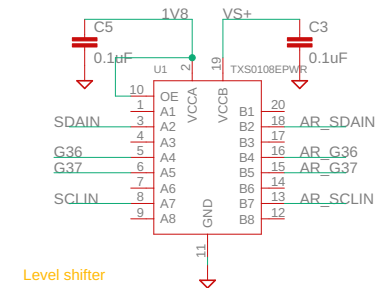
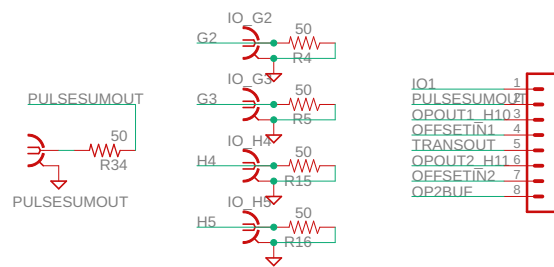


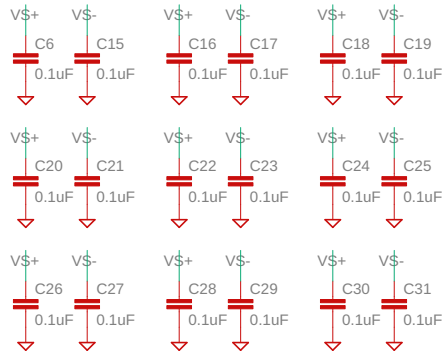
Arduino



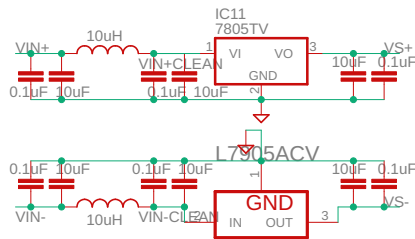
IO



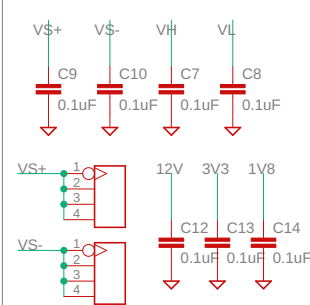
Decoupling



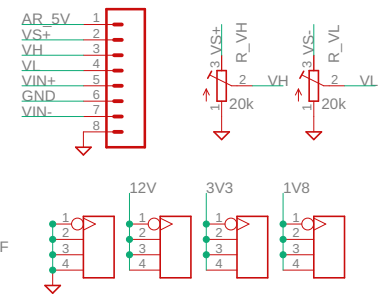
Linear +- power supplies and smoothing

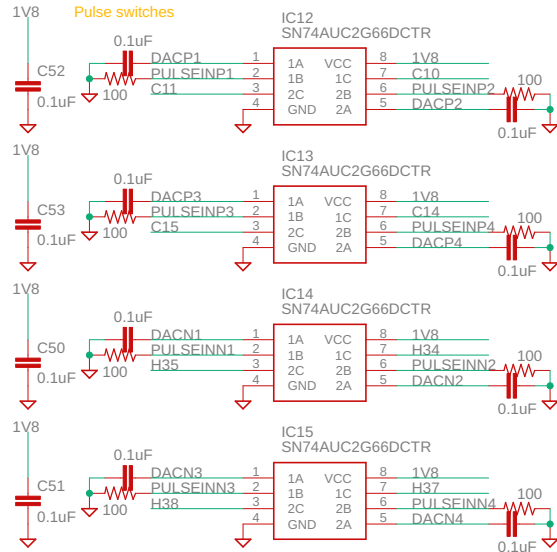


Power inputs

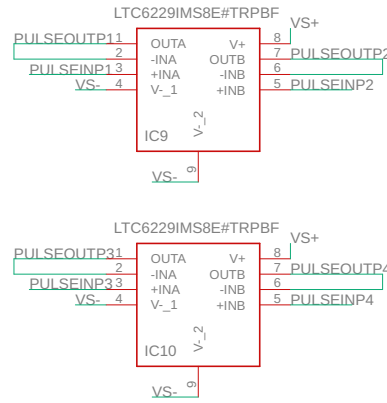


Can use jumper to connect AR\_5V and VS+

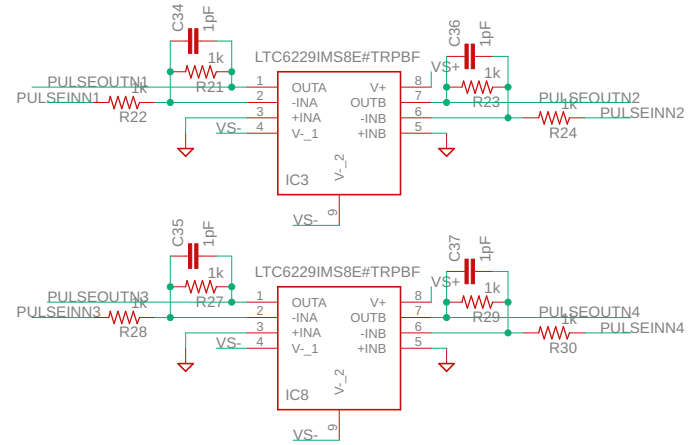




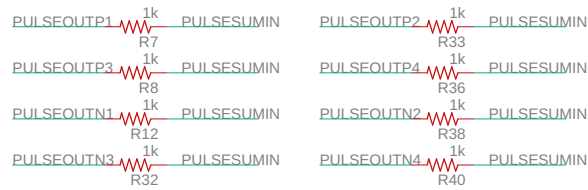
**Positive output buffers**



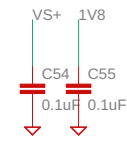
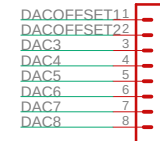
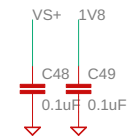
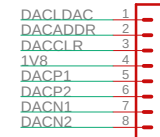
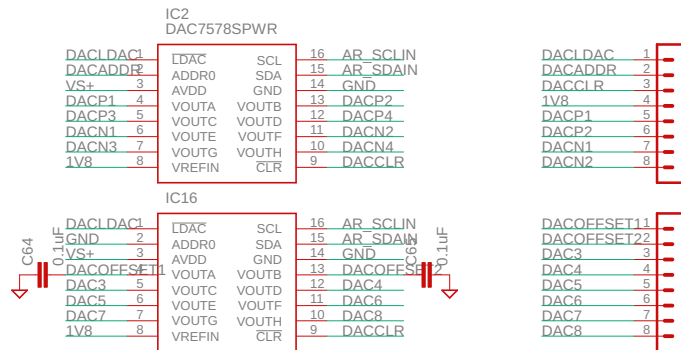
**Negative output inverting buffers**



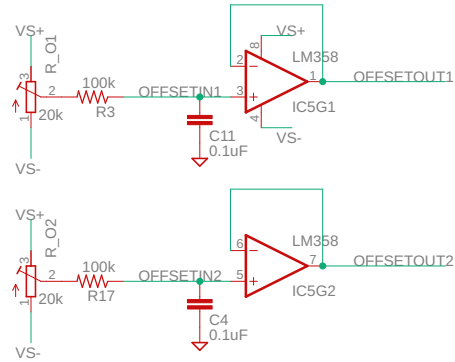
**Pulse resistors for summing**



**Pulse and offset DACs**

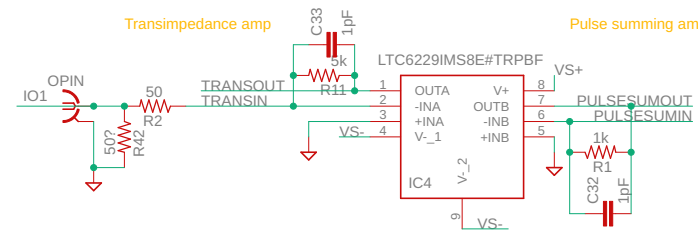


Offsets

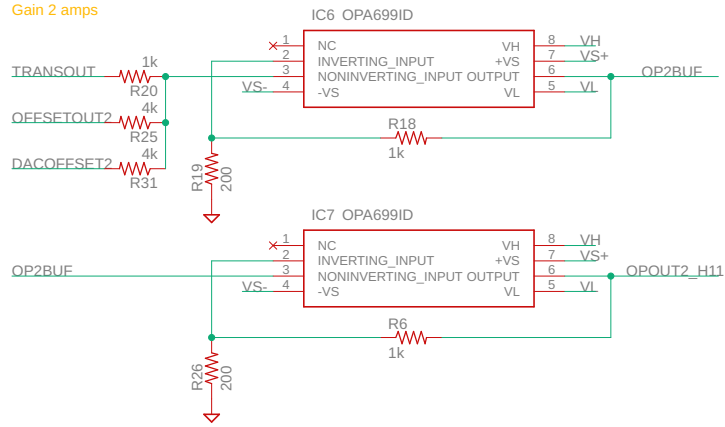


Transimpedance amp

Pulse summing amp



Gain 2 amps



Gain 1 amp

