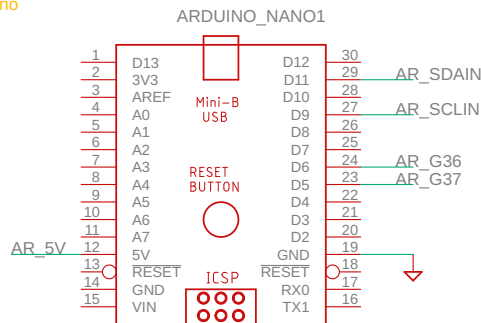
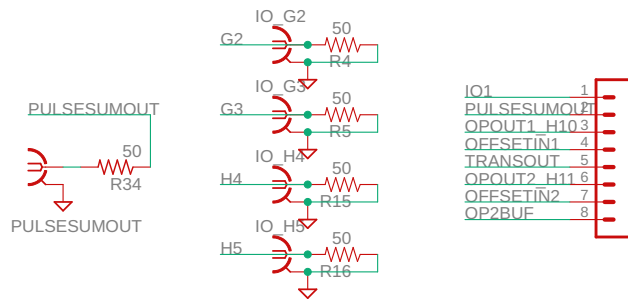


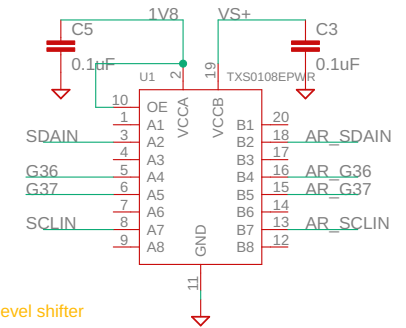
Arduino



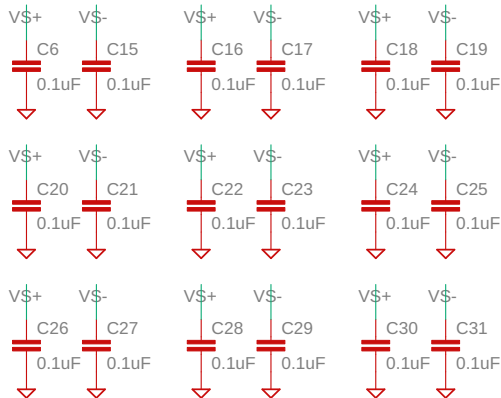
IO



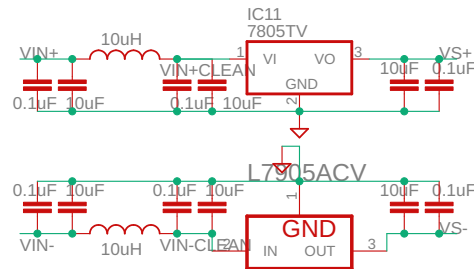
Level shifter



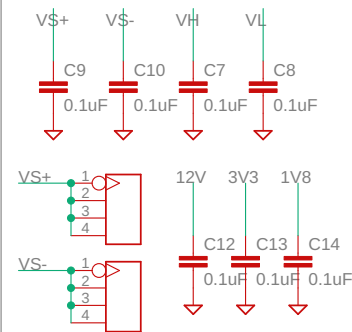
Decoupling



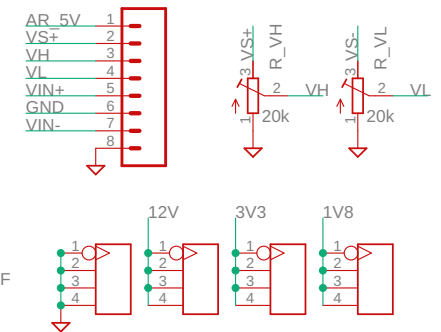
Linear +- power supplies and smoothing

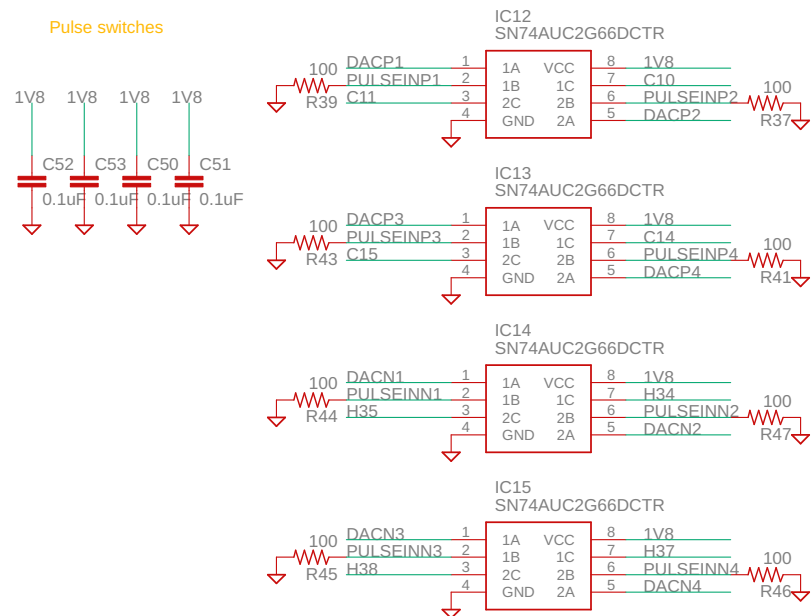


Power inputs

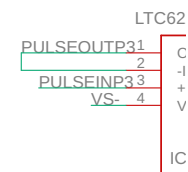
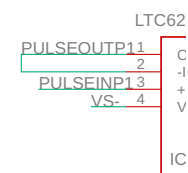


Can use jumper to connect AR\_5V and VS+





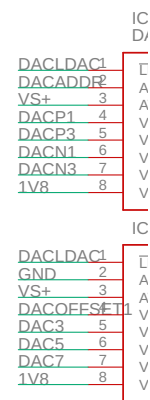
Positive output b



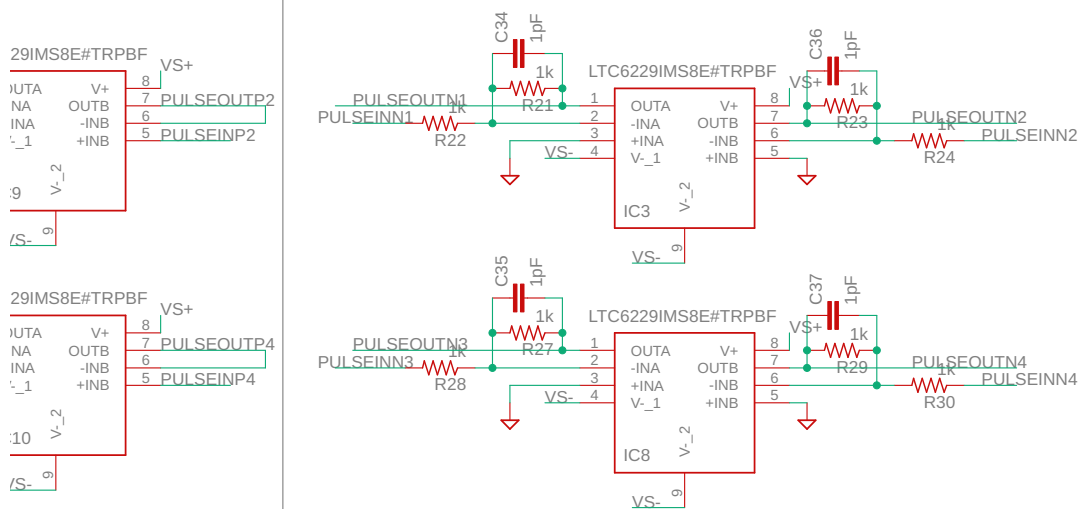
Pulse resistors for summing



Pulse and offset

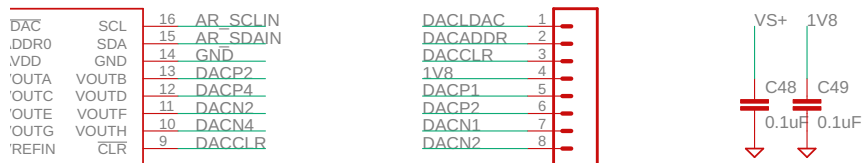


## Negative output inverting buffers

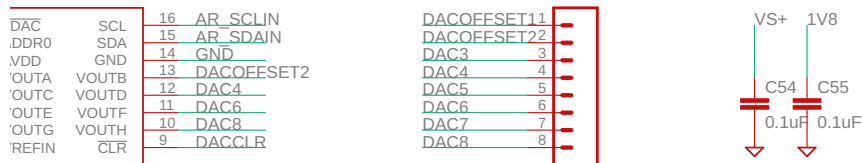


## DACs

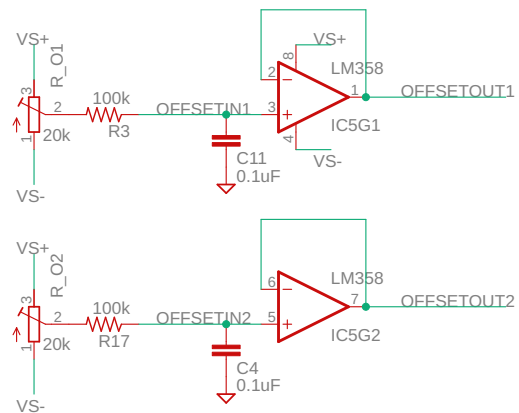
AC7578SPWR



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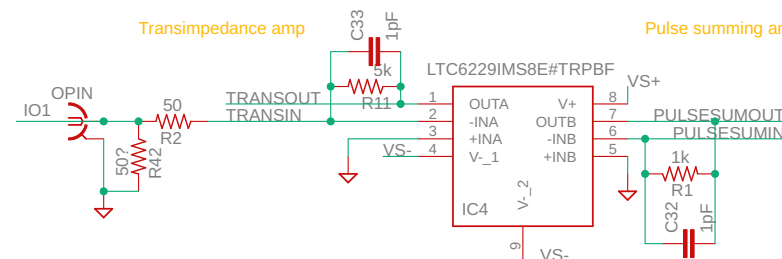


### Offsets

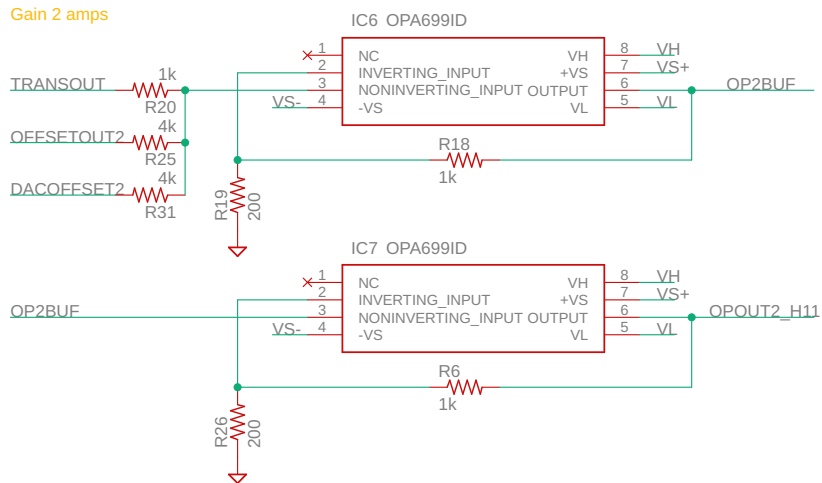


### Transimpedance amp

### Pulse summing amp



### Gain 2 amps



### Gain 1 amp

