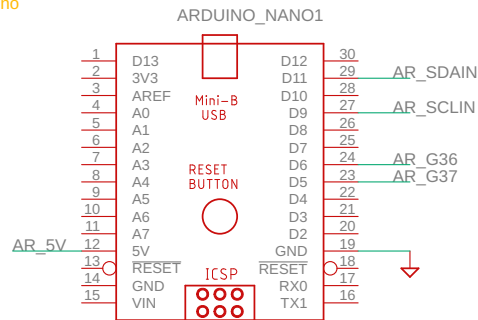
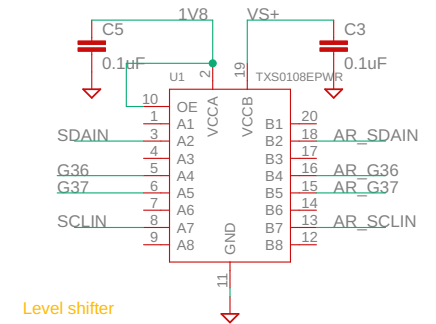
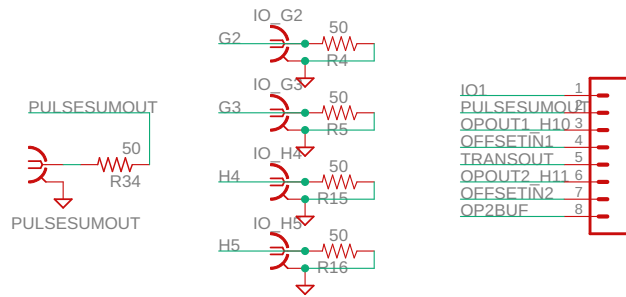


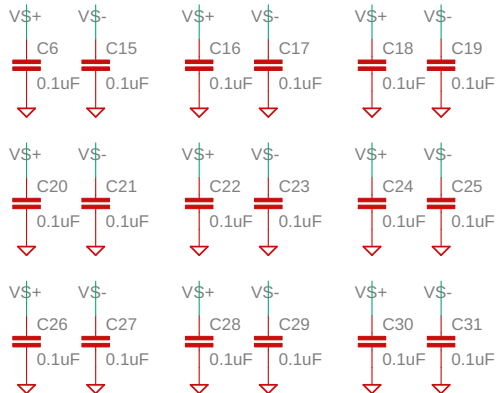
## Arduino



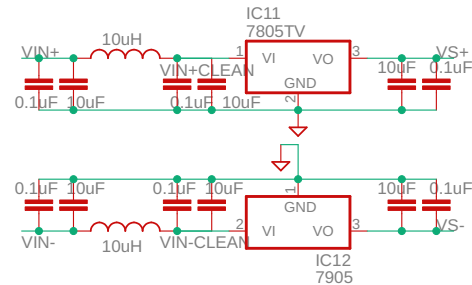
## IO



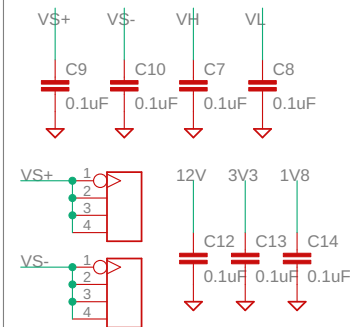
## Decoupling



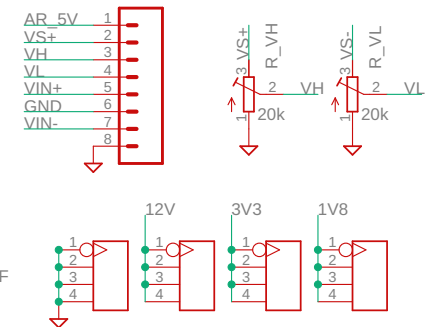
## Linear +- power supplies and smoothing



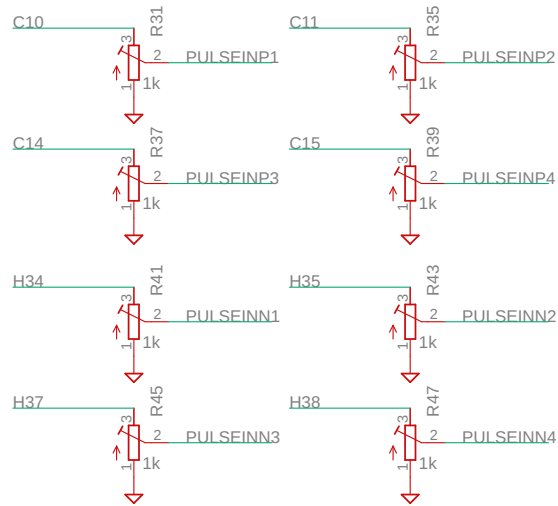
## Power inputs



## Can use jumper to connect AR\_5V and VS+



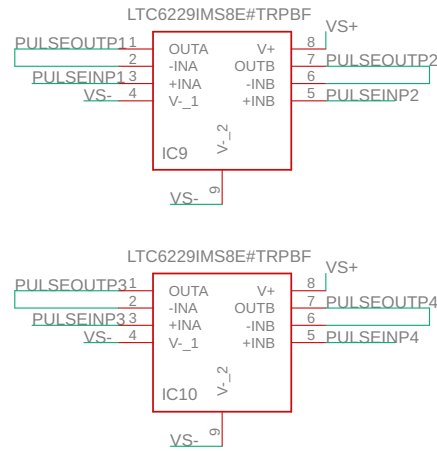
### Pulse voltage dividers



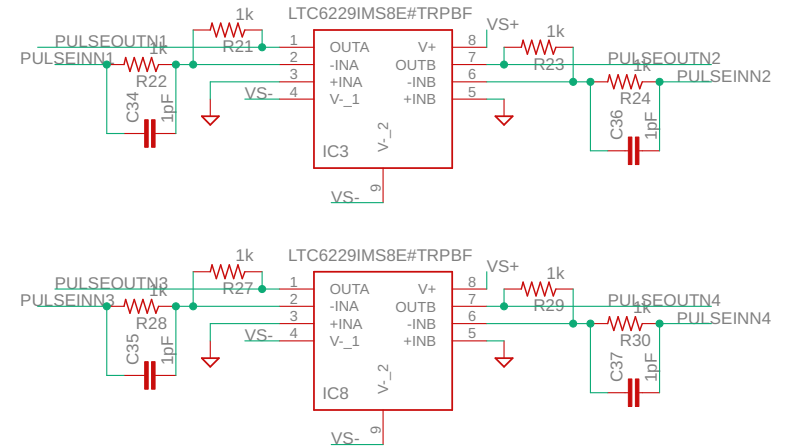
### Pulse resistors for summing



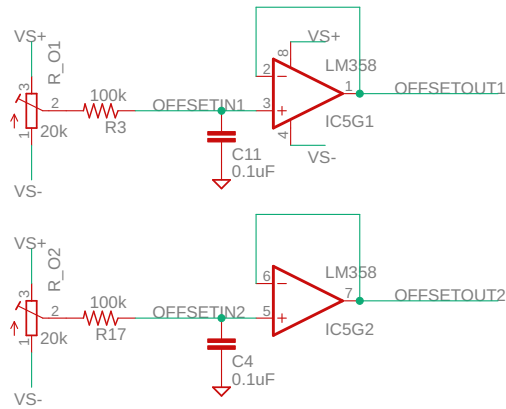
### Positive output buffers



### Negative output inverting buffers

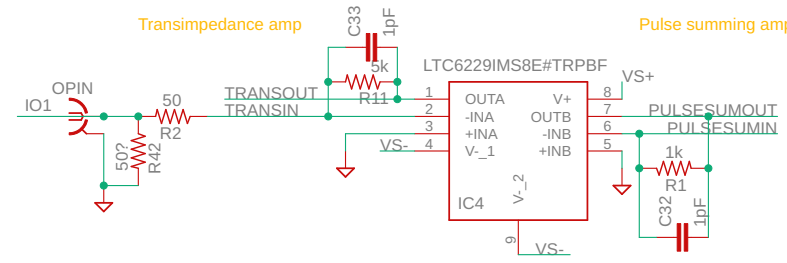


### Offsets

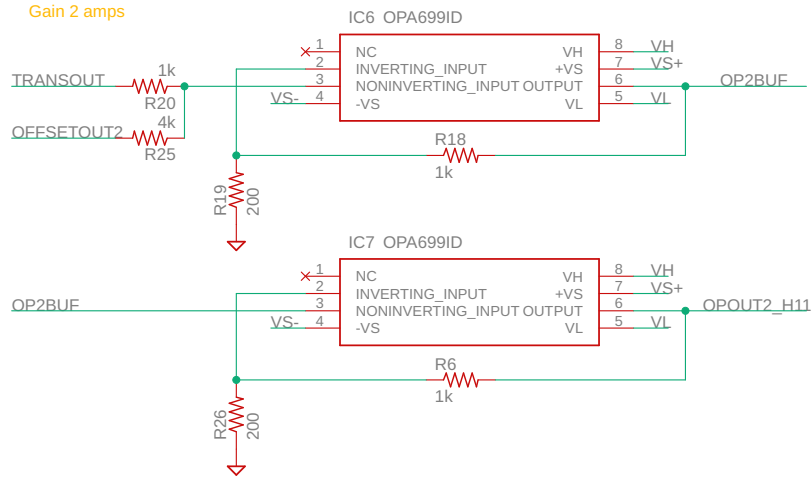


### Transimpedance amp

### Pulse summing amp



### Gain 2 amps



### Gain 1 amp

