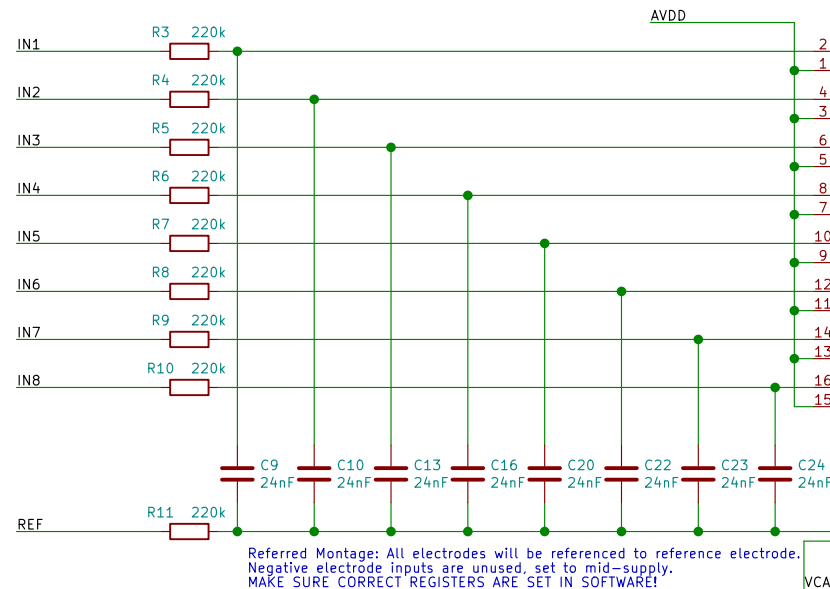
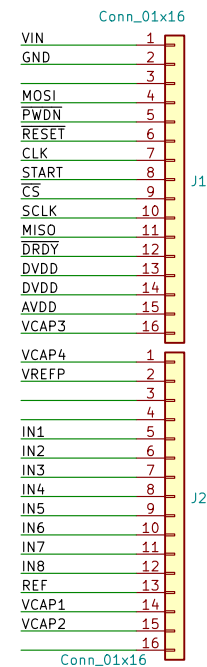
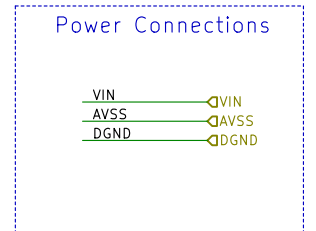
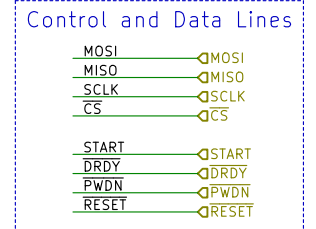
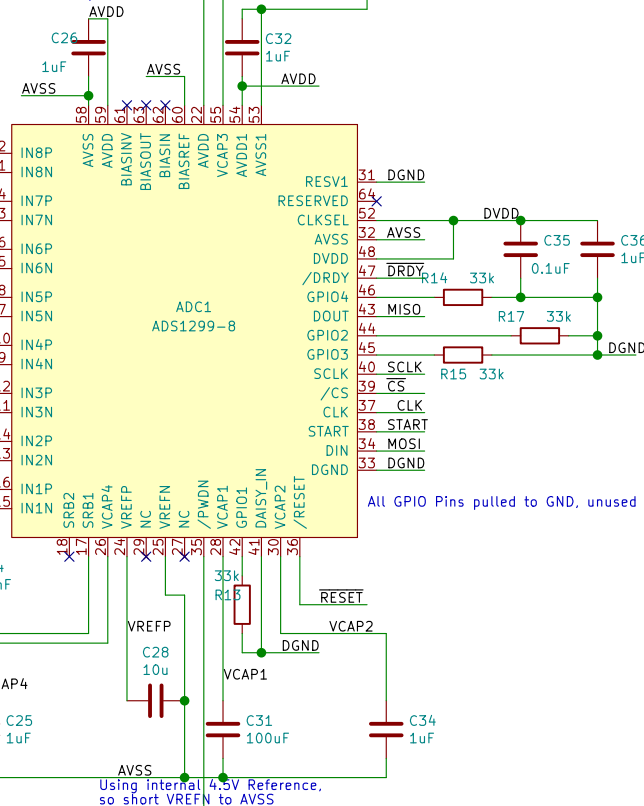
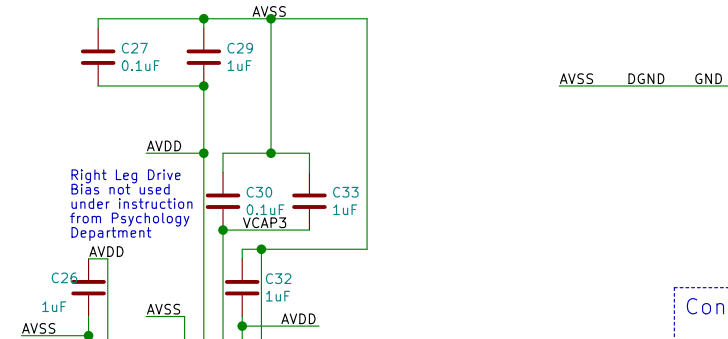
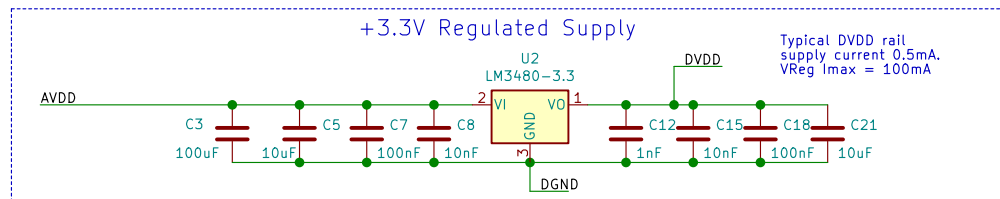
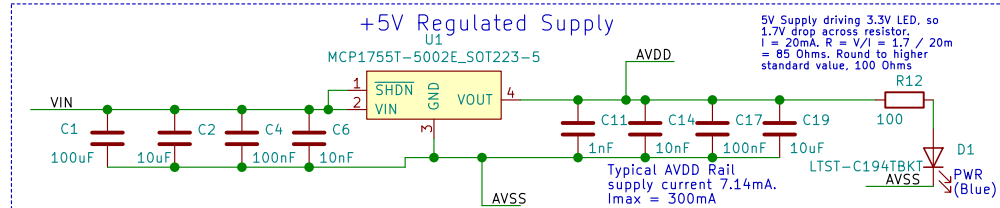


## ADS1299–8 and Support Circuitry



RC LPF:  $f_c = 1 / (2\pi R C)$   
 $R = 220k\Omega$   
<https://pdfs.semanticscholar.org/05b6/6348fc1a11726d76eb08dddabfc4cd36f6.pdf>

Lowest Sampling Frequency = 250sps, therefore Nyquist Frequency at 125Hz, but this is still very high for EEG. Will LPF at 30Hz

$$30 = 1 / (2 * \pi * 220k * C)$$
$$C = 1 / (2 * \pi * 220k * 30)$$
$$C = 24.11nF, \text{ approx } 24nF \rightarrow f_c = 30.14Hz$$

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