



Initial values for RV2 and R2 are 10k and 15k, respectively. With the use of the POT, the gain is adjustable.

D1 is present to clip any voltages above 2.1V (in case of user error).

RV1 and C1 comprise the RC lowpass filter with adjustable cutoff, as per requirements.

J1 and J2 can be populated with standard 2.54mm pitch headers. For the sake of this exercise, we will solder wires to avoid additional BOM components.

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