Hex Inverter DC-DC converter for biasing condenser mic capsule.

The DC-DC converter board uses a classic CMOS hex inverter circuit as a multistage voltage multiplier. When supplied by the 12VDC from the Op-Amp board, it will output 80VDC. This works with most Large Diaphragm Capsules, and it gives an additional few dB of signal output vs 60VDC. If you want to adjust the output you can use a 10K trimmer potentiometer (not included) and cut a trace on the PCB. That is marked on the schematic and the board photo. The capsule polarizing voltage is taken from the terminal POL. The POL_T is a test point to accurately measure the voltage prior to the two RC filters.