Parts

Looking into potential sensors/microphones

<https://www.ti.com/sensors/specialty-sensors/ultrasonic/products.html#62=31.25-4000%20kHz%3B40-1000%20kHz%3B40-400%20kHz%3B40-70%20kHz&>

Filter: 40 kHz min

Looking into potential op amps

<https://www.ti.com/product/LME49743>

Filter GBW: 30 MHz

OPA817

Look into VCOs for demodulators:

NE555

PLLs:

CD4046B PLL