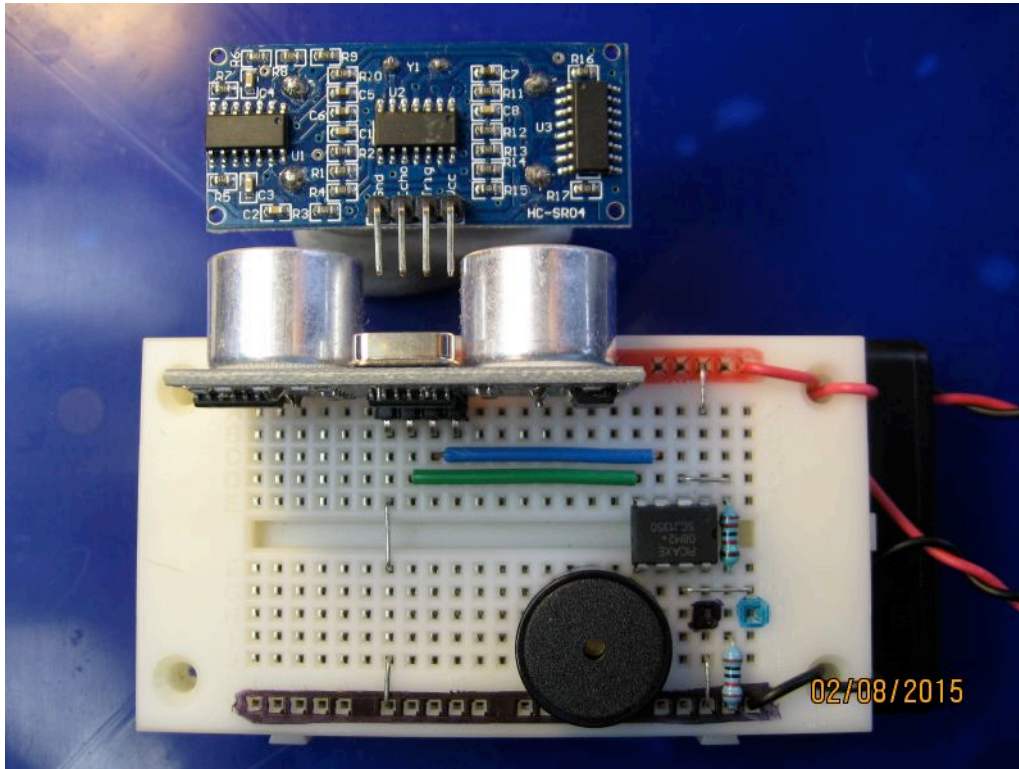


Ultrasound Radar



```
do
pulsout 4,1
pulsin 3,1, w1
w2 = w1 / 6
sertxd ("Raw = ",#w1,9,"cm = ",#w2,13,10)
tune 0,0,(w2)
nap 2
loop
```

X

- Use of F8 terminal window to monitor the strength of the signal from the F8 window
- To get a realistic 'SOLID' rssi value transmit a solid HIGH state into the transmitter by making the TX data line on the RF Tx module go high for a full second.
- Try things out like location, length, position of antennae to create the optimum radio link
- Using math, generate a new variable between 90 and 127 to generate a sound beep in the range of 90 to 127 using the Sound Command so the signal strength rssi can be heard
- Make an If Then 'squelch' control to eliminate the noise BELOW a certain threshold
- Note that data can still be received in the normal way. A tidy way to send data AND measure RSSI is to do a serin followed immediately by a short delay then readadc 4, b4 signal strength measurement at the same mid point time that the RF Tx module is putting out a solid '1' state (CW = Carrier Wave)