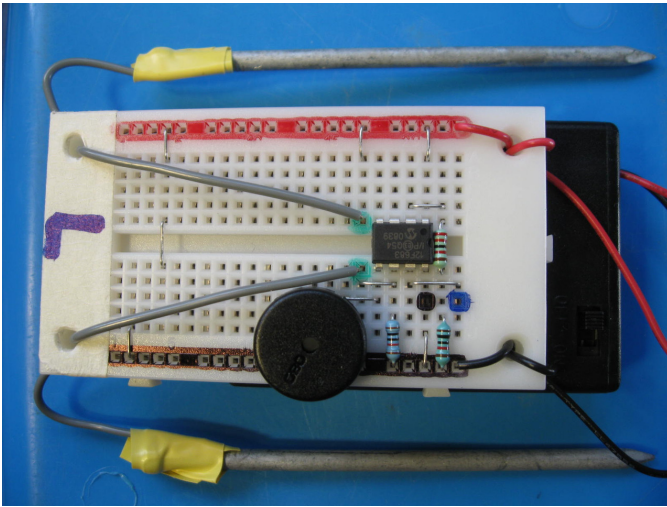


# Detecting Moisture Levels



## Measuring Moisture in Wood:

- Small pin nails only are needed Shiny new small nails that are 'plated' should look grey.
- Pre solder coating the nail head and wire makes it very easy to join .
- You will need to change the 10k resistor connecting pin1 to ground to a 4M7 resistor.

## Measuring Moisture in the Ground:

- Use galvanised nails - recommended 7-10cm long.
- If they are new-ish they will solder okay but expect to take up to 30 seconds to get the head of the nail up to the solder melt temperature before the solder will start to flow. Then add in the top of the copper wire that has already been pre solder coated (tinned).

For ALL these leads, once any lead is soldered a generous dab of hot glue to hold the metal wire to nail / pin connection is essential as the wire will break where it is soldered very easily. Masking tape is good too.

