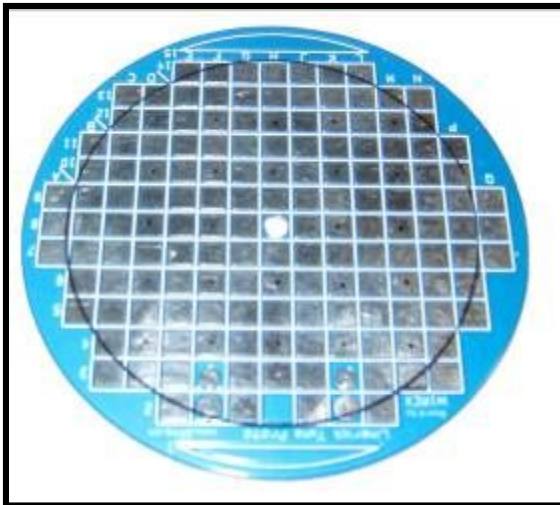
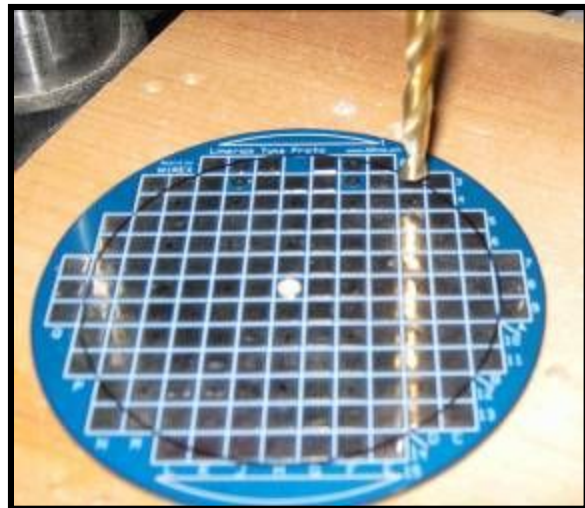


I started by selecting a speaker that would fit inside the tuna can. Then I traced the outline of the can onto the back side of the Tuna Project board to guide in my hole positioning.

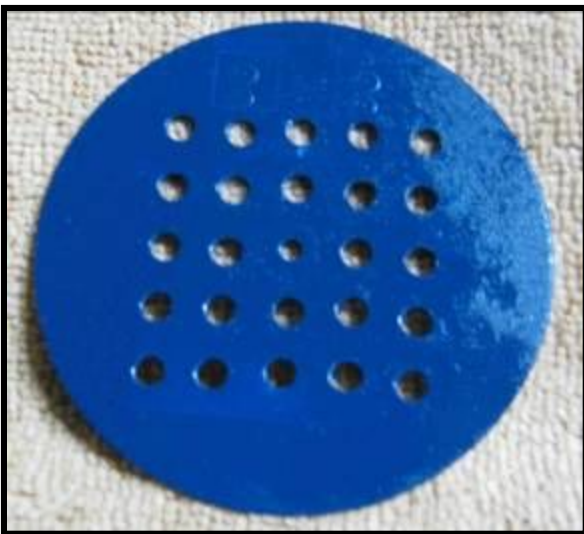
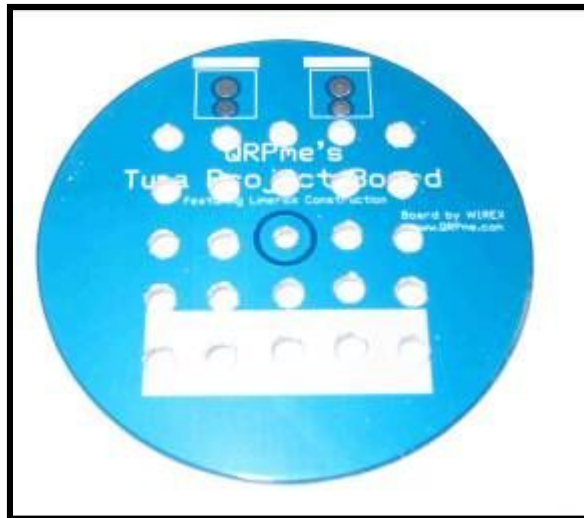


Now I inked a spot on all the pads where I wanted to drill a hole to let out the sound. I made a nice square pattern using every other pad for a drilled hole location

Next, I used a drill press to drill all the sound holes for the speaker.



Here is what the Tune Project board looks like from the front. I then de-burred all the holes by using a much larger drill and twisting the bit by hand in the top and bottom sides of each hole.



Then I hit the board with a coating of blue acrylic spray paint to dress up the board a little.



I designed a quick label for the finished external speaker can. I called it:

Voice in the Storm

Which is what a fog horn is and referenced by the picture of a fog horn on the label. This label is in keeping with the rest of the Tuna Can Line labels.

Apply the label to the can and punch out a hole for a bulkhead RCA connector for the audio feed. I used a Harbor Freight punch for the hole.



Hot glue the speaker to the circuit board and attach a pair of short leads to connect the speaker to the RCA connector.



Connect the speaker wires to the RCA connector mounted in the side of the can.



I hot glued a couple of poker chips onto the bottom of the speaker. Two chips closed the gap between the speaker and the can and still left room for some Velcro...



I put a piece of stick-on Velcro fuzz across the poker chip and put a the matching piece of stick-on Velcro hook across the bottom of the can....so when you place the board & speaker on the top of the can...



The TCL* Remote Speaker ready for action.

Of course, it would have been much easier to use a stand-alone speaker like this, but I wanted a complete QRP station in tuna cans for a *Tuna Can Line*.

