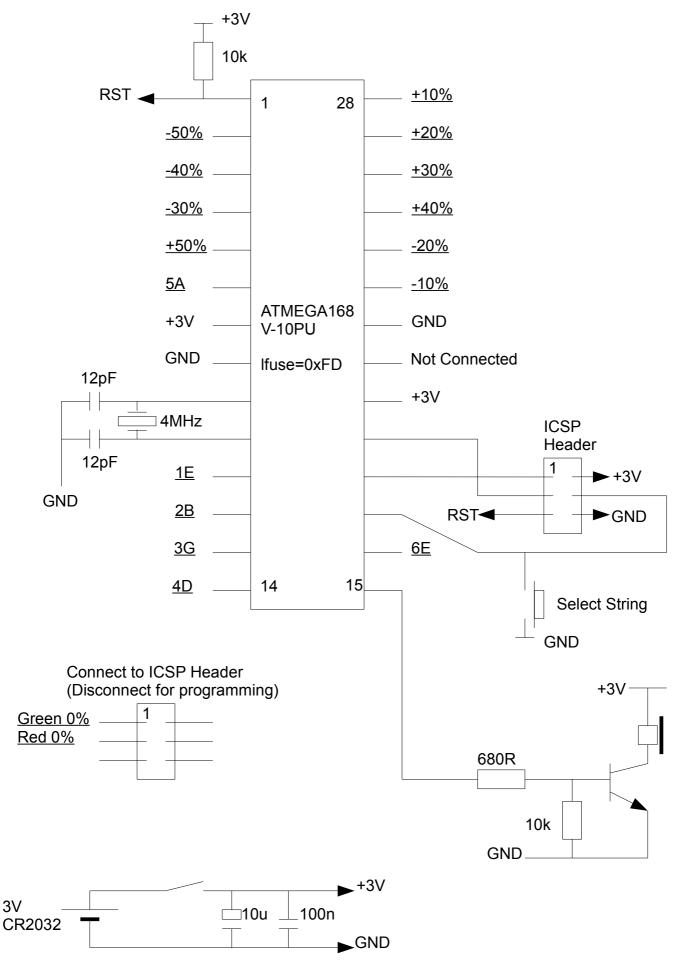
Guitar Tuner for the Blind – Modification to Cherub Guitar Mate WST550G lain Sharp 2010

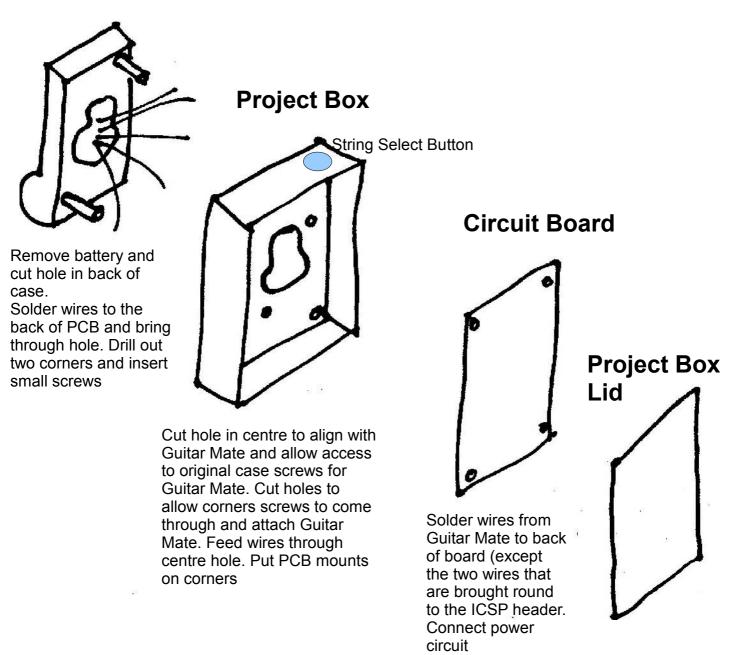
<u>Underlined</u> labels indicate a connection to the cathode of the corresponding LED on the Guitar Mate. Power should also be connected to the Guitar Mate!



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Physical Construction

Guitar Mate



Build Sequence:

Dismantle Guitar Mate. Modify case for Guitar Mate and solder wires to back of PCB.
Prepare project box and check alignment

3) Attach back of Guitar Mate case to project box using the two corner screws

4) Place Guitar Mate PCB in case back and feed wiring through the large holes in both cases

5) Reattach the front of the guitar mate and tighten fastening screws through hole in back of project box

6) Assemble circuit on circuit board and attach wiring to Guitar Mate, power switch and string select button

7) Program ATMEGA via ICSP port

8) Test!