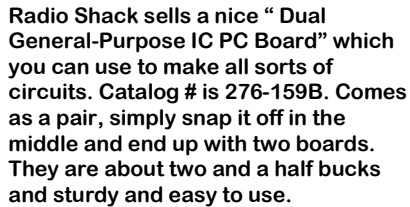




The Circuit Board



The Parts

Resistors:
1/4 or 1/2 watt

- VR1 – 10K Linear (B10K)
VR2 – 100K Linear (B100K)
VR3 – 1K Linear (B1K)



- C1, C8 220uf



- C2, C7 47nf
- C3-C6 100nf

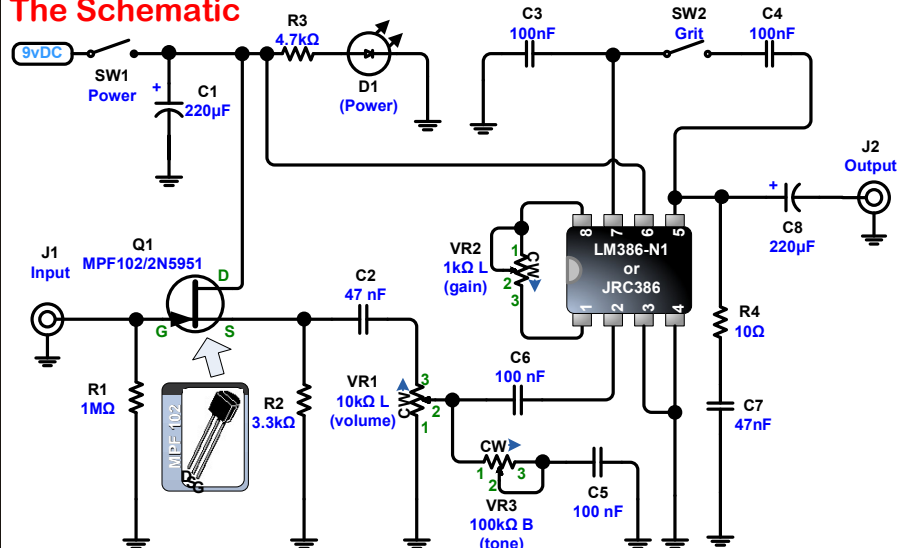


- U1 LM386
- Q1 MPF102
- D1 5mm LE



- 
- S1,S2 SPST Switch
- J1, J2 ¼" Mono Jack
- 9v Battery Clip
- 2.1mm DC jack

The Schematic



Notes and Mods

More Beta Bass: You can replace C2 with a 100nf part for improved bass. Use a 1uf part to make the NC into a bass amp (thanks Brett!)

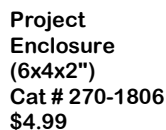
LM386 and Voltage: The LM386 comes in various versions: N1, N3, N4, etc. The higher the N rating, the more voltage you can pump into it for more output power. If you use the plain LM386 or the LM386 N1, keep to 12 volts or under.

DC Jack: You can add the 2.1mm DC jack to save burning through batteries. Use a plastic jack if you are using a metal enclosure to avoid shorting out!

Grit LED: You can add an LED to show the on/off status of the grit switch—change the grit SPST to a DPDT and wire the new LED's + to the switch to 9v and the new LED's – to ground.

Enclosures

The sky is the limit in terms of wacky ways to box up your Noisy Cricket. You can pick up an inexpensive box at Radio Shack like one of these:



You can also use other interesting things like:

- Old lunch box
- Wooden box
- Beer can
- Electrical junction box
- Cigar box
- Pencil case
- Just about anything!

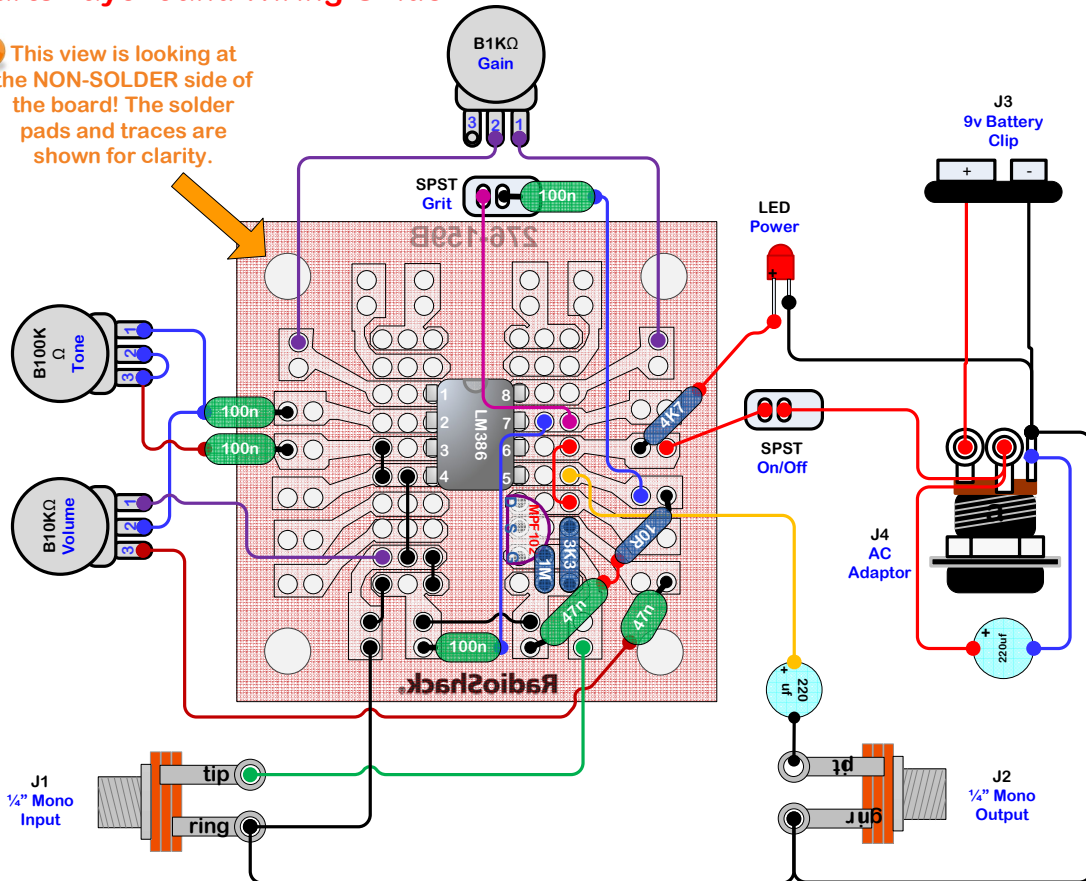
Speakers

The Noisy Cricket sounds best when plugged into a guitar speaker cabinet. 4-16 ohms should be fine but it sounds sweetest at 8 ohms. If you don't have a cab, you can try just about any speaker—smaller ones will be loud enough but probably won't sound as good.



Parts Layout and Wiring Guide

! This view is looking at the NON-SOLDER side of the board! The solder pads and traces are shown for clarity.



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