

STEP #2

GATHER UP AND ORGANIZE THE PARTS NEEDED FOR THIS STEP:

R1=200K R2=20K R3=2K R4=200 R5=4.99 (or 6.2 or 6.8) R6=10 R7=2K R8=1M (or 1.2M) R9=2K R10=2K
 C4=.1uf
 Q1=78L05 SW1=momentary TACT sw. 9 VOLT BATTERY SNAP J1=26 pin 2x13 CONNECTOR

ANOTHER MINOR GLITCH: I COULDN'T FIND ANY 5 OHM 1/8 WATT RESISTORS SO I HAD TO SUB A CLOSE VALUE THE R5/R8 COMBO OF 5/1M IS USED TO MAKE THE 25uV VOLTAGE OUTPUT. I INCLUDED THE NEXT CLOSEST RESISTOR 6.2 OR 6.8 DEPENDING ON WHAT WAS AVAILABLE AT MOUSER/DIGIKEY. USING 6.2/1M OR 6.8/1M FOR THE DIVIDER COMBO YIELDS ABOUT 31uV OR 35uV OUT. WITH R5=6.2 AND R8=1.2M WILL GIVE A BETTER RESULT 25.8uV. I PROVIDED 4.99 OHM 1/4 WATT RESISTORS IN RECENT KITS BUT THE 1/4 RESISTOR IS DETERMINE WHICH COMBO YOU HAVE AND DECIDE IF YOU WANT TO CHANGE IT IN THE FUTURE. YOU CAN A RESISTOR HIGHER OF THE BOARD TO FACILITATE CHANGING IT LATER.....

INSTALL THE RESISTORS.

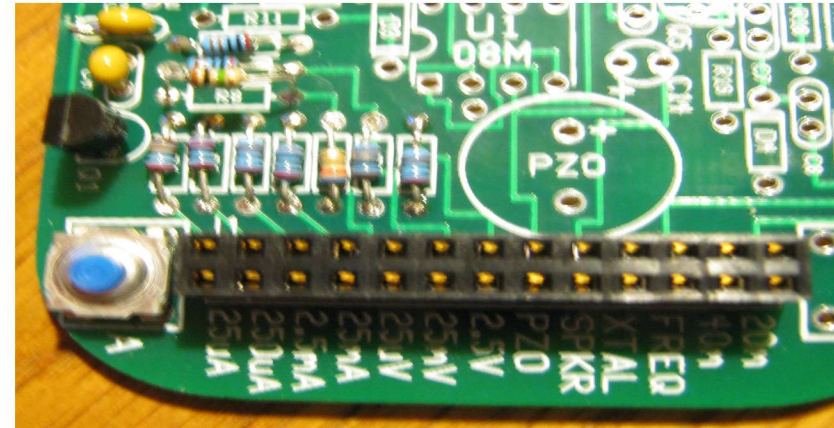
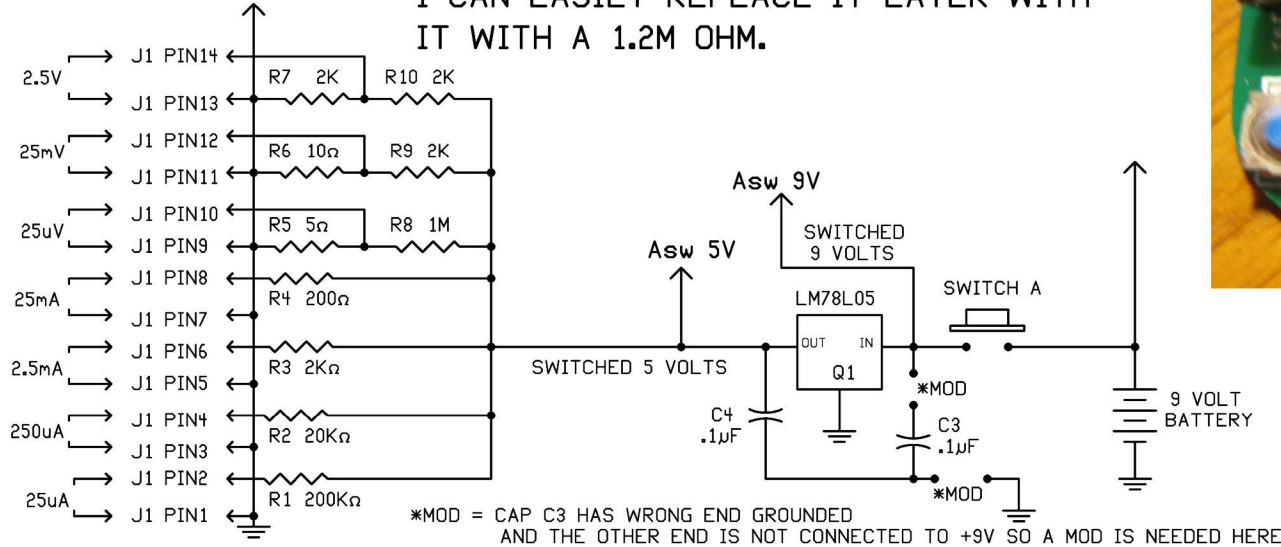
INSTALL CAP C4.

INSTALL THE 26 PIN DUAL ROW CONNECTOR J1.

BEFORE INSTALLING THE PUSHBUTTON SWITCH, STRAIGHTEN OUT THE 4 LEGS WITH PLIERS. THIS WILL HELP FACILITATE INSERTING THE SWITCH INTO THE PCB HOLES.

NOW INSTALL THE 9 VOLT BATTERY SNAP.

* I LEFT MY 1M OHM RESISTOR UP HIGH SO I CAN EASILY REPLACE IT LATER WITH IT WITH A 1.2M OHM.



Co:	QRPme		
Title:	Pocket Pal..... STEP #2		
Board:	Pocket Pal	Revision:	A
Author:	W1REX Rex Harper	Size:	A
Date:	December 27, 2009	Sheet	1 of 2