

STEP #2B

NOW THAT YOU HAVE THE FIRST PORTION OF THE POCKET PAL BUILT, YOU NEED TO CONSTRUCT A SET OF TEST LEADS TO CONNECT TO PARTS YOU WANT TO TEST. I USE ALLIGATOR CLIPS. CUT A PAIR OF CLIPS OR WIRES TO A NICE LENGTH THEN STRIP & TIN THE ENDS.

TAKE THE 2 PIN FEMALE MOLEX HOUSING AND REAM OUT THE PIN END SO THAT THE WIRES CAN PASS THROUGH THE HOLES. CUT AWAY THE DIVIDER IN THE TERMINAL END SO THAT THERE IS A RECESS OF MAYBE 1/8" OR SLIGHTLY LESS. WORK AWAY AT THE TERMINAL END SO THAT THE 2 PIN MOLEX MALE TERMINAL STRIP WILL JUST FIT IN THE END. THIS HOUSING WILL SERVE AS A HANDLE AND JOINT COVER FOR THE TEST LEADS.

TEST FIT THE WIRES AND 2 PIN MOLEX HEADER TO MAKE SURE IT ALL FITS.

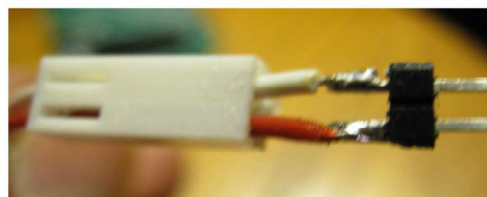
THREAD THE WIRES THROUGH THE PIN END OF THE MOLEX TERMINAL HOUSING AND THEN SOLDER THEM TO THE 2 PIN MALE HEADER.

THE MALE HEADER SHOULD NOW SLIDE INTO THE FEMALE HOUSING AND COVER THE SOLDER CONNECTIONS..

ONCE EVERYTHING LOOKS OK, YOU CAN USE A LITTLE HOT GLUE TO SECURE THE HOUSING AND PROVIDE SOME STRAIN RELIEF FOR THE TEST LEADS.



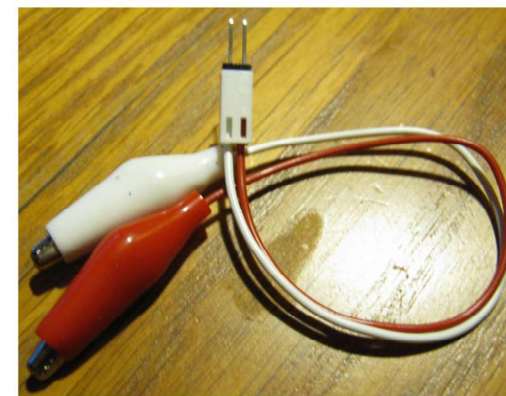
HOUSING 'REVERSED' AS WIRE IS THREADED THROUGH PIN HOLES AND OUT TERMINAL END.



MALE MOLEX PINS SOLDERED TO THE WIRES.



HEADER PULLED BACK INTO HOUSING.



FINISHED TEST LEADS..

OF COURSE, YOU HAVE TO PUSH PUSHBUTTON A TO MAKE THE TESTER LIVE.

WHAT CAN YOU TEST WITH THE POCKET PAL NOW? THE FIRST 4 TEST POSITIONS PROVIDE A RELATIVE CURRENT OUTPUT FOR TESTING THINGS LIKE PANEL METERS. I'M A SUCKER FOR A NICE PANEL METER AT A HAMFEST BUT ALWAYS WANT TO KNOW IF IT WORKS.... THE FIRST 4 POSITIONS ALLOW YOU TO CHECK OUT AMMETERS. TEST POSITIONS 5 THROUGH 7 ALLOW YOU TO CHECK VOLTMETERS. YOU CAN ALSO TEST THINGS LIKE LEDS WITH THE VARIOUS CURRENT OUTPUTS. ULTRABRIGHTS WILL LIGHT DOWN AT THE 25uA POSITION WHILE REGULAR LEDS WILL NOT.

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