SMTTester		
Step Picture	Detail	
ABOUT		
While designing SMTBoards.Com, I needed to test SMT LEDs. My solution is the SMTTester, able to test 1210, 0805, and 0603 SMT LEDs. I added the cabability to easily change out the resistor and test standard LEDs as well.		







4	Bend the legs of the 4 pin connector by pressing themagainst the table surface. This will allow us to solder the connector at approximately a 45 degree angle to the board.
5	Now, heat the solder on the left most pin and tack the connector in place.
6	Finish soldering the connector in place by soldering fromright to left. Finalized the leftmost solder as well.



10	Little Contraction of the contra	Next, if you have a version 1.0 board, solder the tail of the wire to the rightmost pad. This was originally a button to turn the circuit on and off. This wasn't required as the circuit is normally open without any LEDs connected. Eliminating the button also simplified operation. Simply place the LED in place, press to test, and remove. This step is not required in the 2.0 board.
11		Tight up the battery next by creating a solder bump on the center pad. This should be a fairly good amount of solder. Fit the battery in place, + side up. Remove the battery and apply more solder if needed. Should be snug.
12		Trim off any remaining wire tail.





really good LED calculator is
located at:
http://ledcalculator.net/. Remember
this is a 3v circuit.