

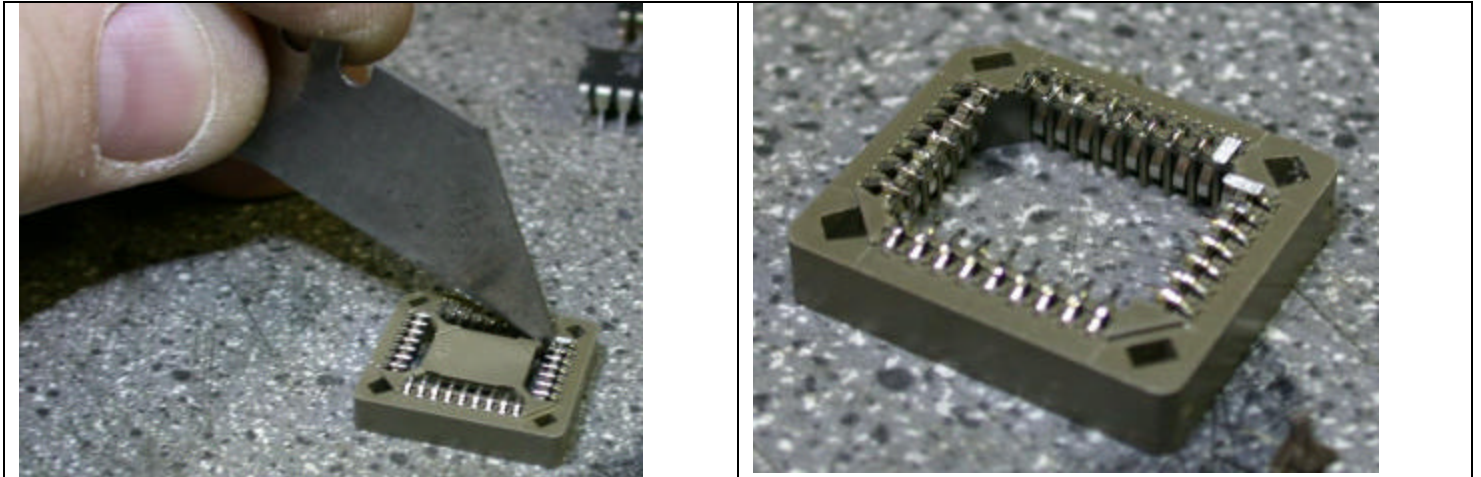
How to Build a Tivo PROM Piggy-Back Socket.

(By Jmayes – Jmayes.com Rev 2.0 7/2006)

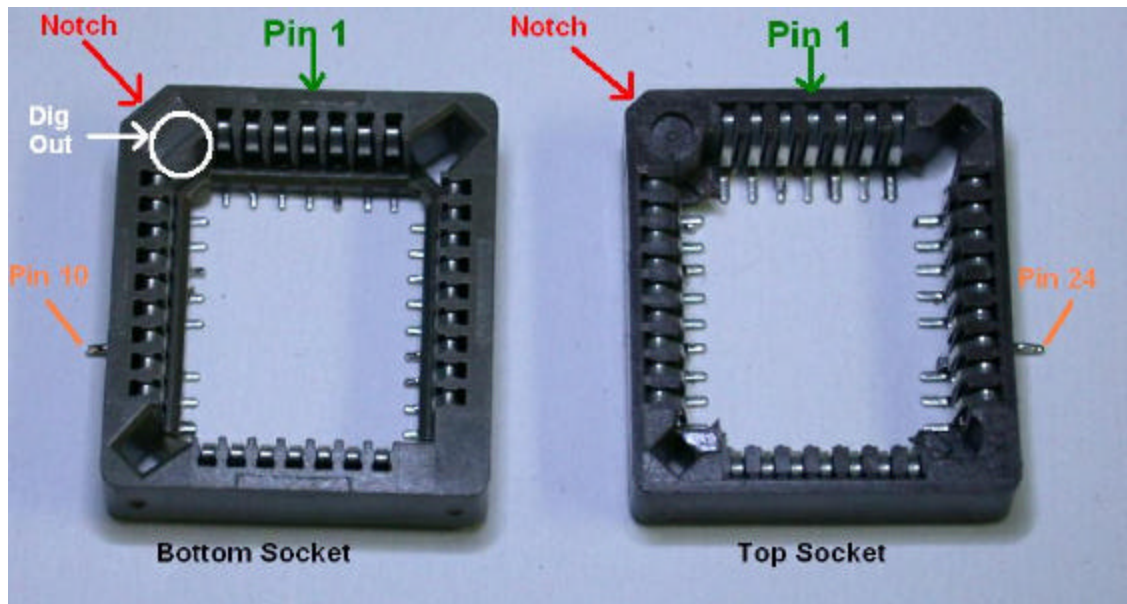
Preface

Many people have destroyed their boards trying to remove the old PROM, this method does not require removing the old PROM, the new programmed PROM is simply Plugged on top of the old one. Here are the instructions to build the Piggy-back Socket Adapter.

Step 1, Cut the bottom plastic out of two PLCC-32 SMT Sockets, it is best to have two identical ones.

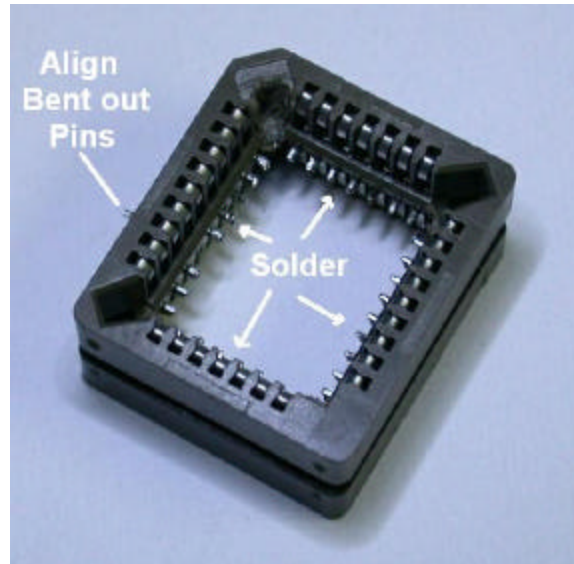


Step 2, Observing the orientation of the sockets, align the notch as shown below. Bend out pin-10 on one socket and pin-24 on the other, also note the 'dig-out' area notated in white- more on that below.

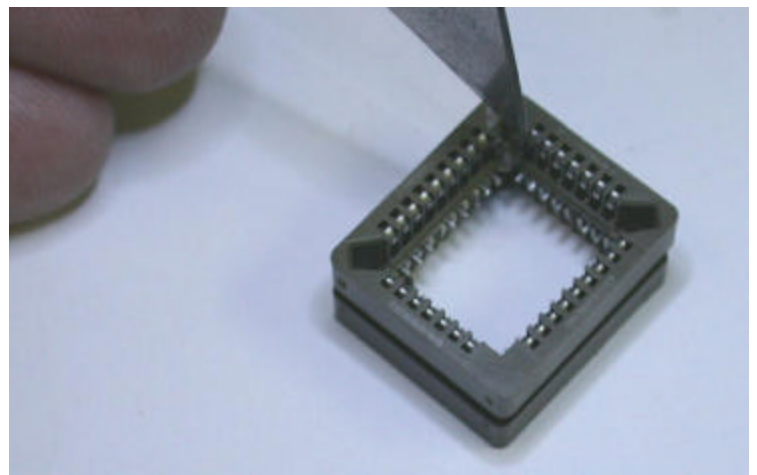
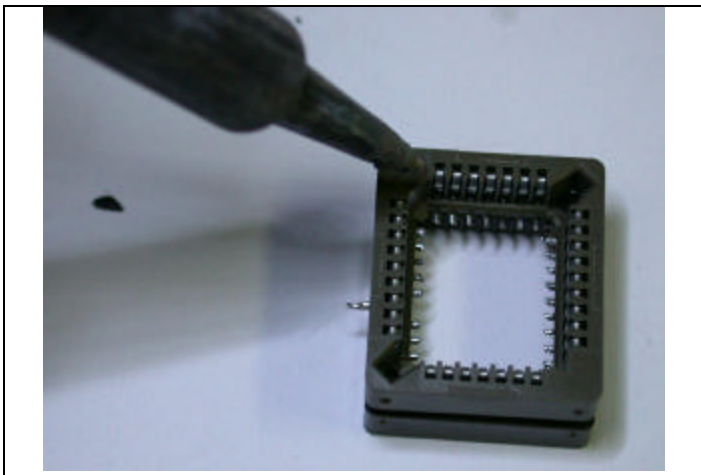


Step 3. Align both sockets back-to-back, the two bent-out pins should align together on the outside of the sockets, solder all the mating pins on the inside of the two sockets.

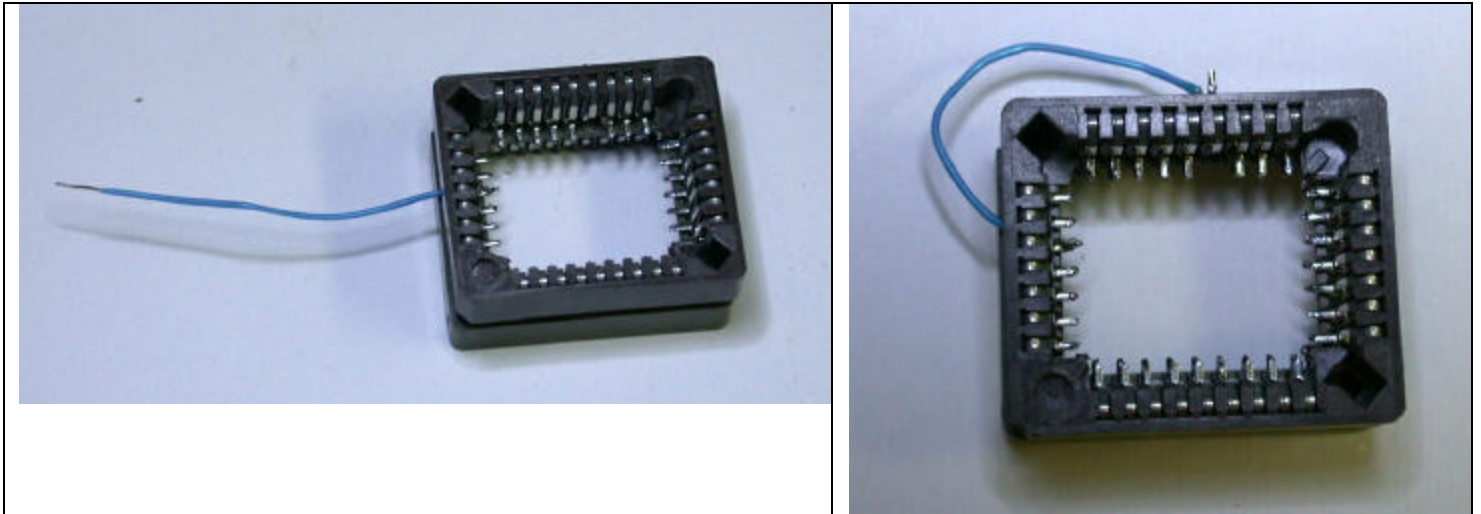
DO NOT SOLDER THE TWO PINS BENT TOWARD THE OUTSIDE.



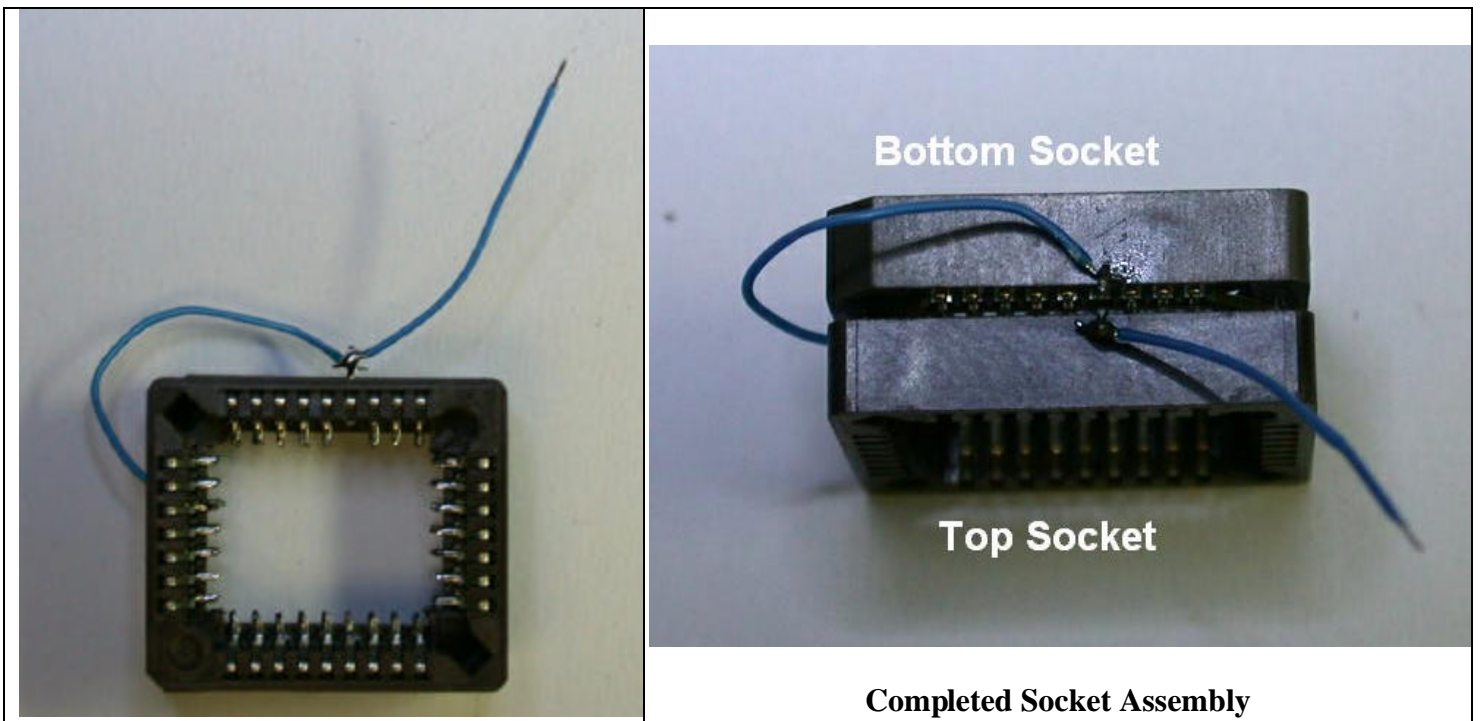
Step 4. On the bottom socket, with the bent out pin toward the left side, dig-out the notch. I used a soldering iron to melt it some, then a blade to whittle it clean. A Dremel tool should also work good too, choose your method yourself- just be sure not to put too much force toward the edge or the socket will crack.



Step 5. Cut a 1” piece of wire and carefully attach it to pin 32, notice the notch in the lower left corner (the one you did not cut out) and count 5 pins from it (that is pin 32). I slid the wire between the sockets so it will need to be a very thin piece of wire to do that. Next connect the other side to the pin bent out from the ‘BOTTOM’ socket.



Step 6. Now cut a ½” piece of wire and attach it to the bent out pin of the ‘TOP’ Socket, also use a knife and spread the two bent-out pins away from each other so they do not touch.



The adapter is ready, continue to ‘Installing the back-to-back Socket PROM’

I hope this information helps!

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I can only answer limited questions so please post in the forum and allow the experts to help.