"Apple IIgs ROM 01 Battery Holder Build & Install"

by Herbert Fung (C) 2014 & PDF by Jorma Honkanen 2015.
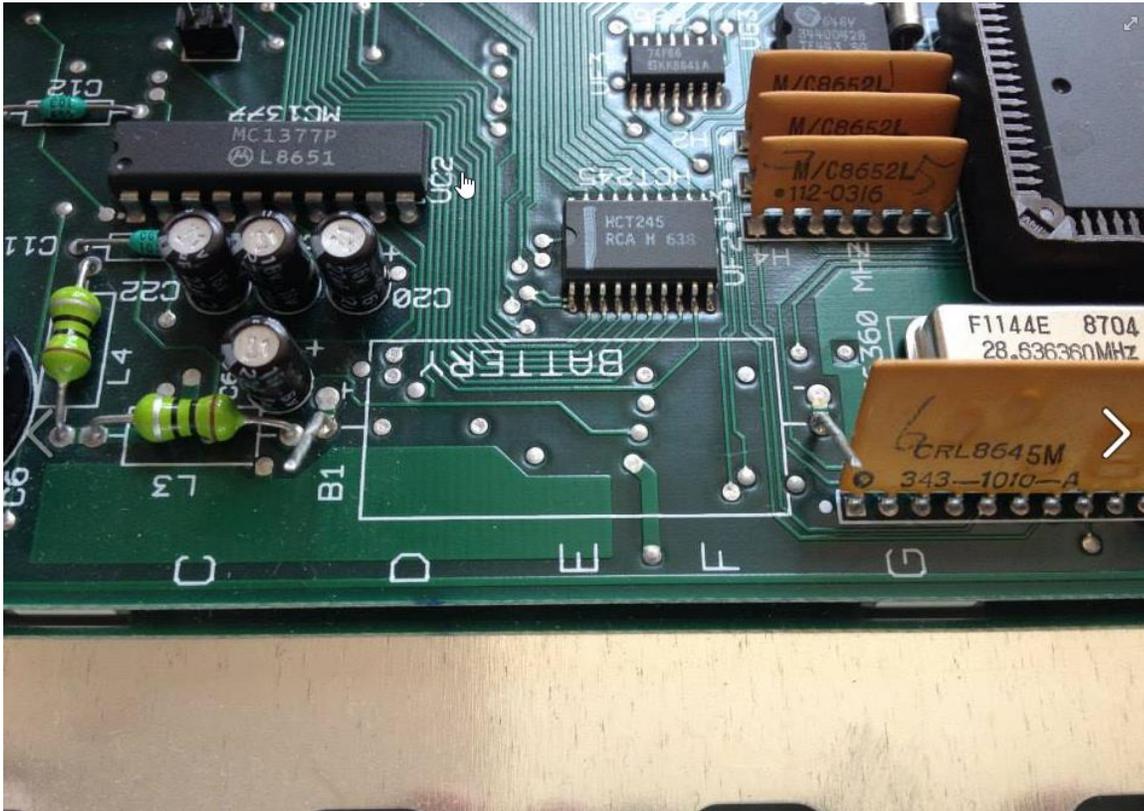
Snip off the original battery closest to the ends of the battery to leave as much as the existing leads as possible on. Then straighten the leads.
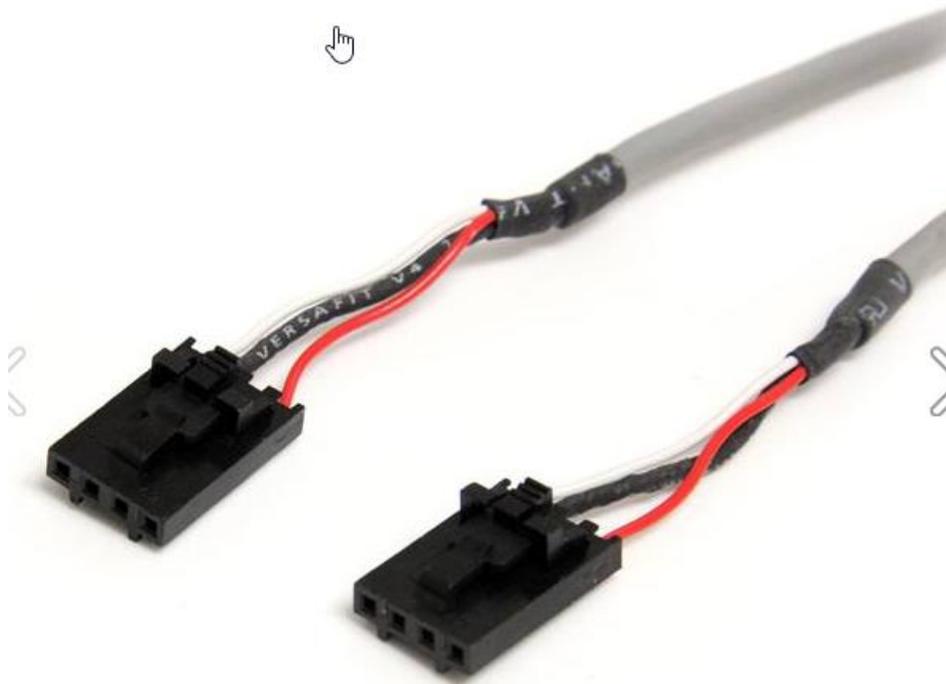
I scavenged the ends from an MPC2 styled CD-ROM audio cable. Just push on the metal locking tab on the back of connector and pull out the wires

Push on locking tab with a small screw driver and pull the wire out.
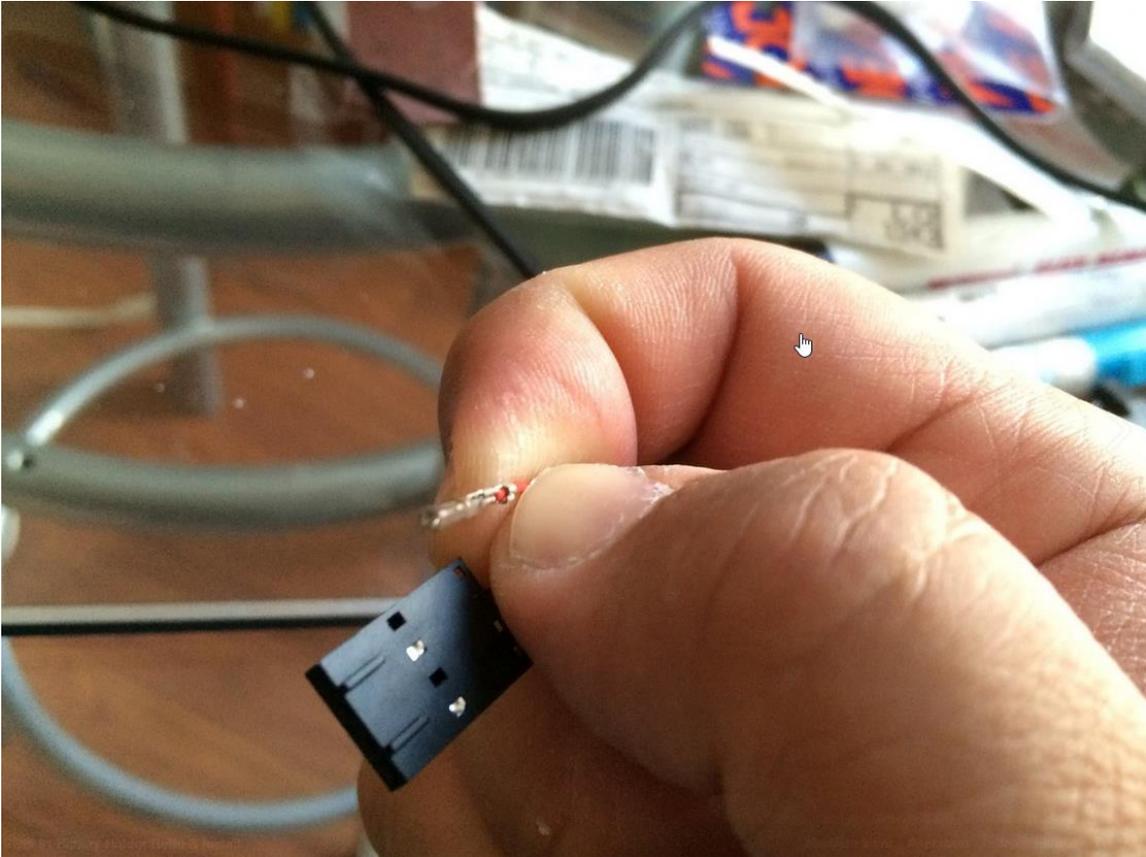
This is the end of the wire that will slide over the original battery lead on the logic board
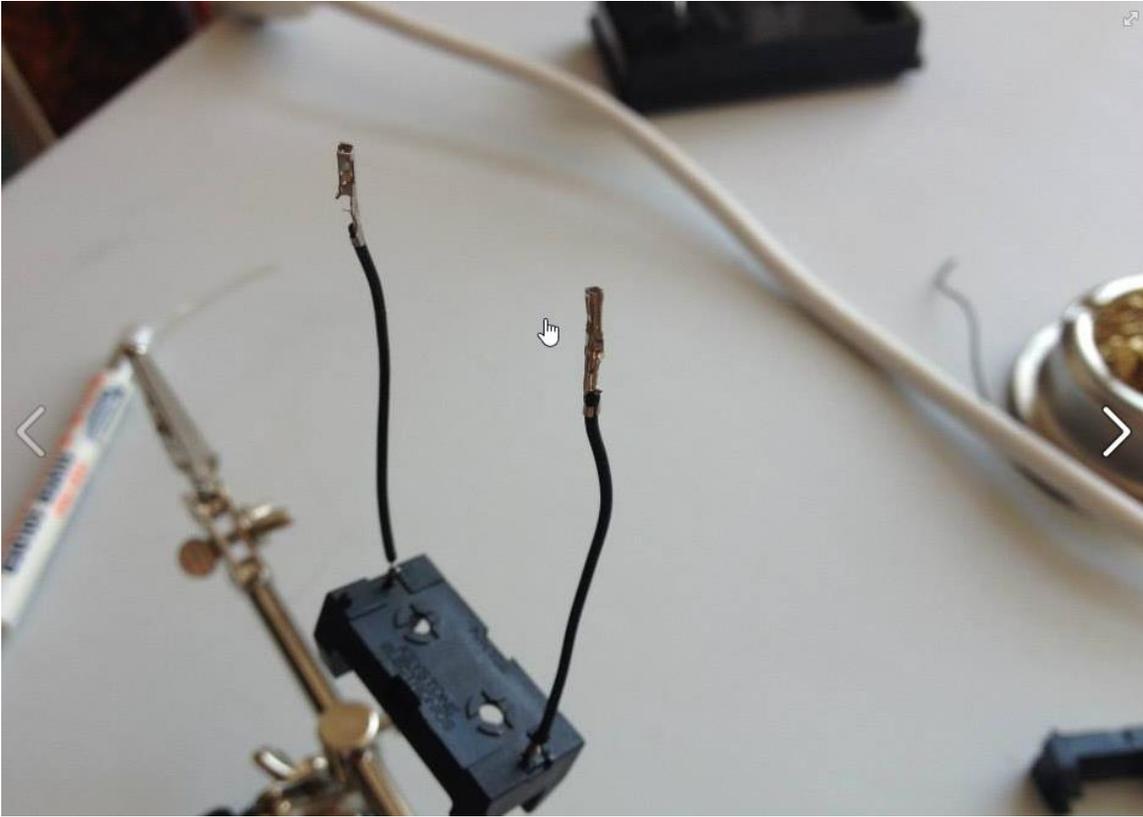
Cut to length and solder onto a 1/2 AA lithium battery holder.
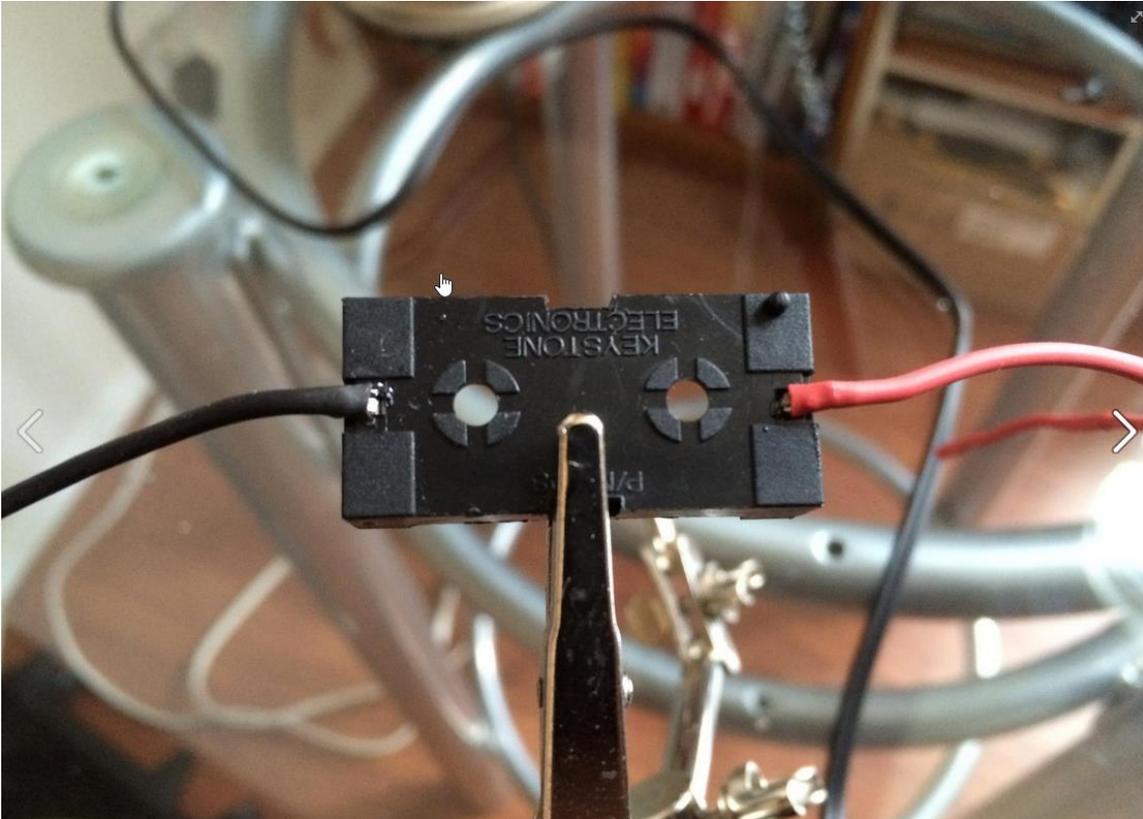
Bend the leads 90 degrees so it's paralel to the battery holder.   Then cut off that alignment nub in the top corner.

Put a couple of layers of double sided foam tape on the bottom.

Use heat shrink tubing to insulate. Best to use a red and black tubing to color code. I didn't have red on hand so I just used black. Then bend the leads on the bottom out the sides so it's parallel to the battery holder. Slide the ends of the wires onto the leads on the logic board

I then used a couple of layers of double sided foam tape to mount the battery holder on the metal sheilding on the bottom of the case. This will allow any acid that might leak out of the battery down the line not to get all over the logic board.