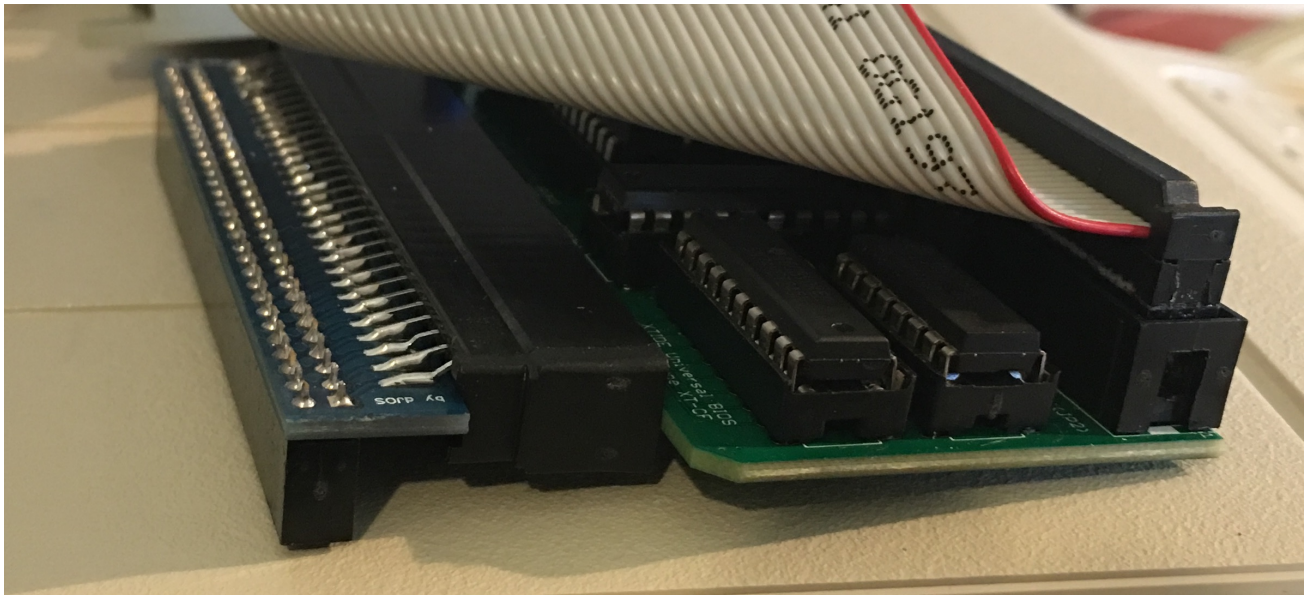
Tandy 1000 EX/HX PLUS-ISA/R Adapter Instructions

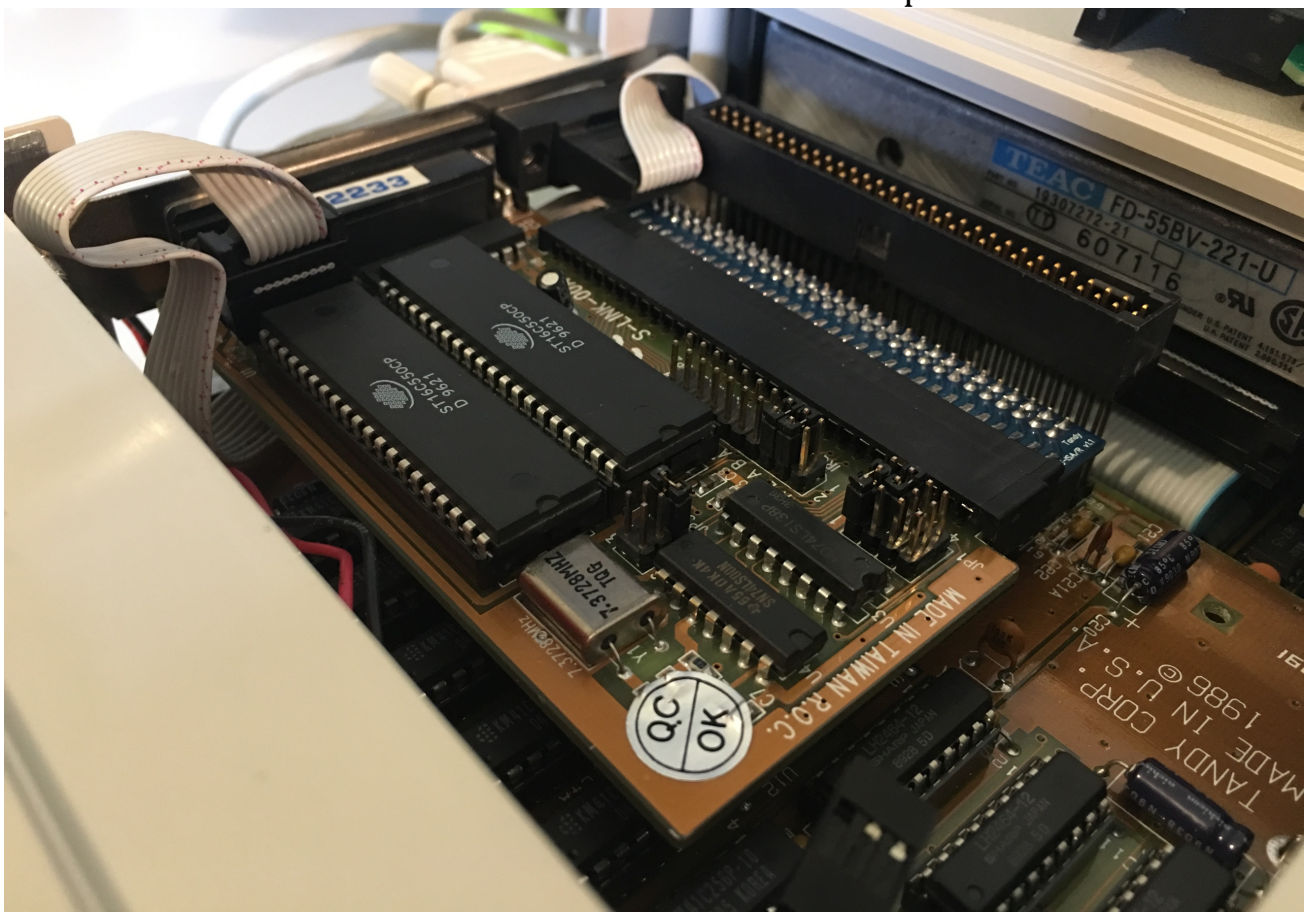
IMPORTANT: The 62 Pin headers are a very tight fit with the PLUS Connectors, as a result they are quite stiff and removing them requires a great deal of effort and care to prevent damage to the PLUS connector pins. I recommend that, once installed, you leave them installed in your PLUS RAM expansion and do not remove them when swapping out ISA cards.

Cards with rear-facing ports should be installed into the Lower socket if you wish to put the expansion bay cover on.

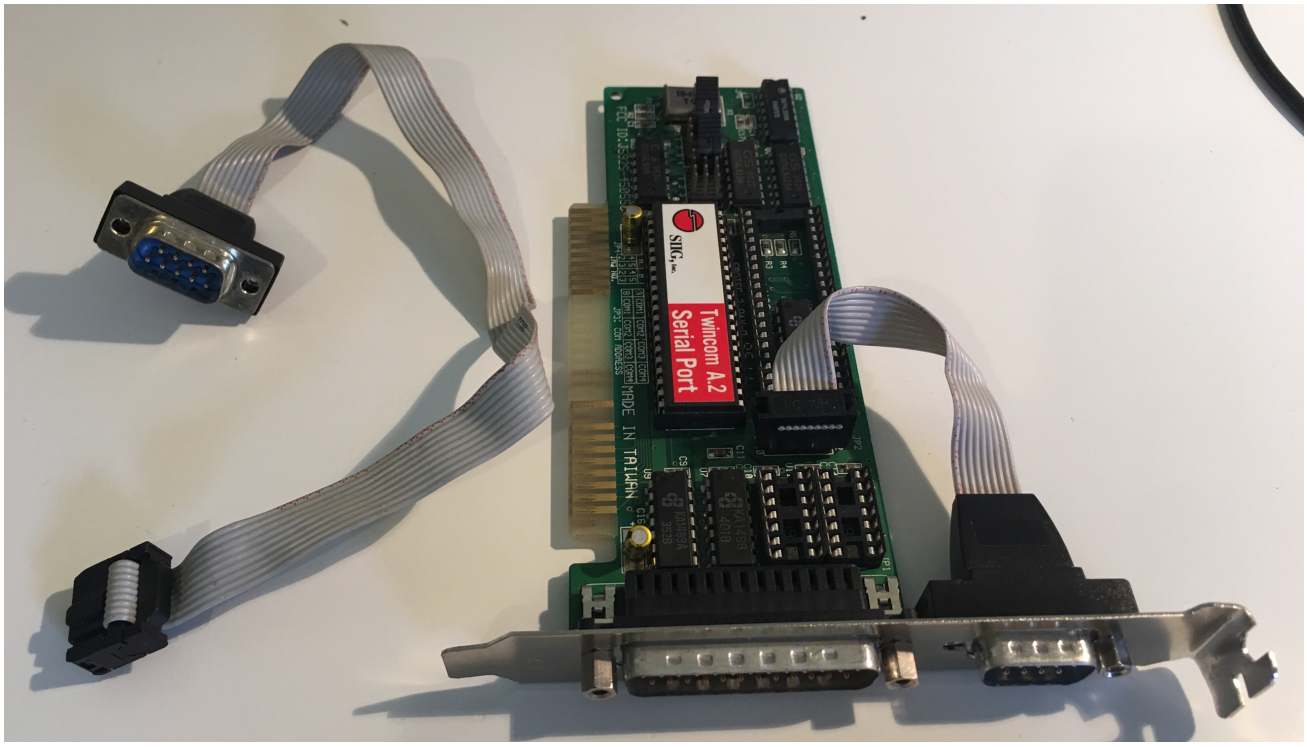
Your ISA card should always have the component side facing up and/or ports on the topside of the PCB.



The Installed card should look like this for the bottom expansion socket:



If you wish to install a dual serial port card into your EX/HX as I have above – simply cut the angled part of the bracket off and replace the short DB9 serial cable with a long one pinched from an old PC.

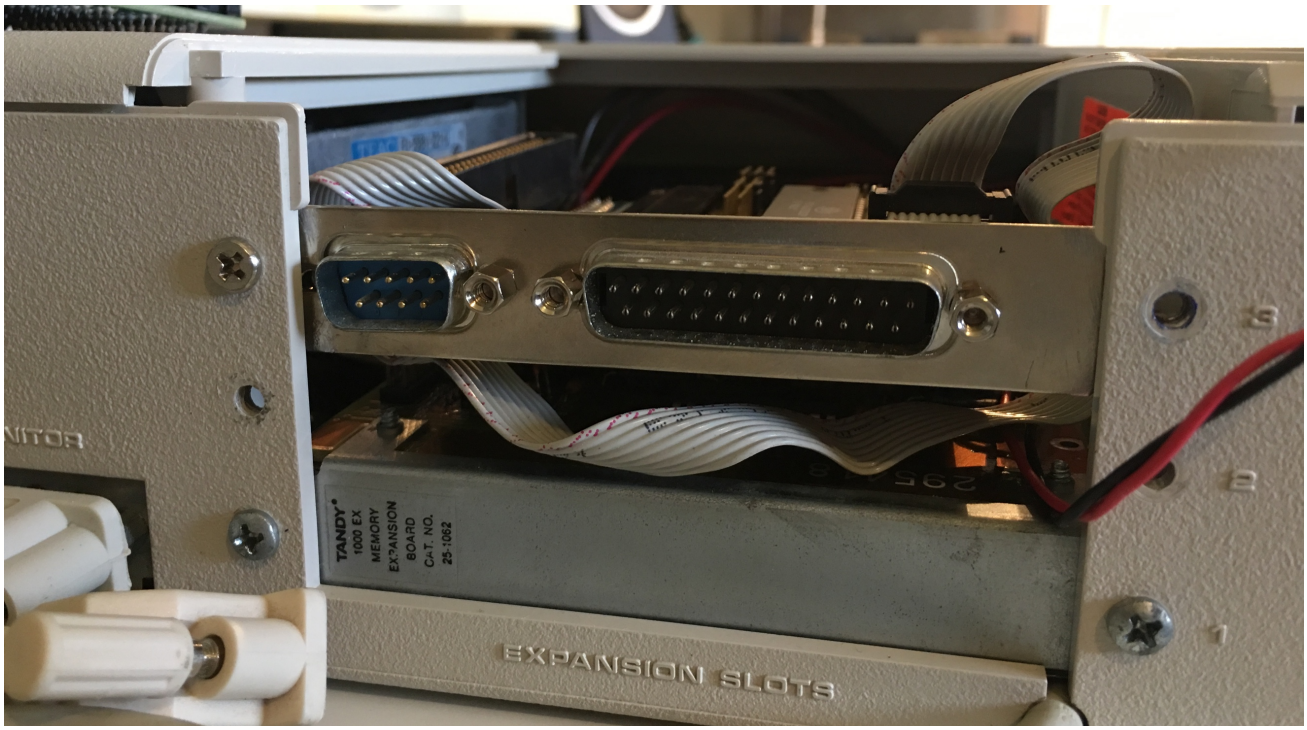


Then flip the bracket ends around and install the DB9 port into the hole with <u>only</u> 1 nut – there isn't room for the second one.

Then install the card & adapter into your EX/HX and while holding the board level, use a fine point felt-tip marker to mark drill holes on the bracket.

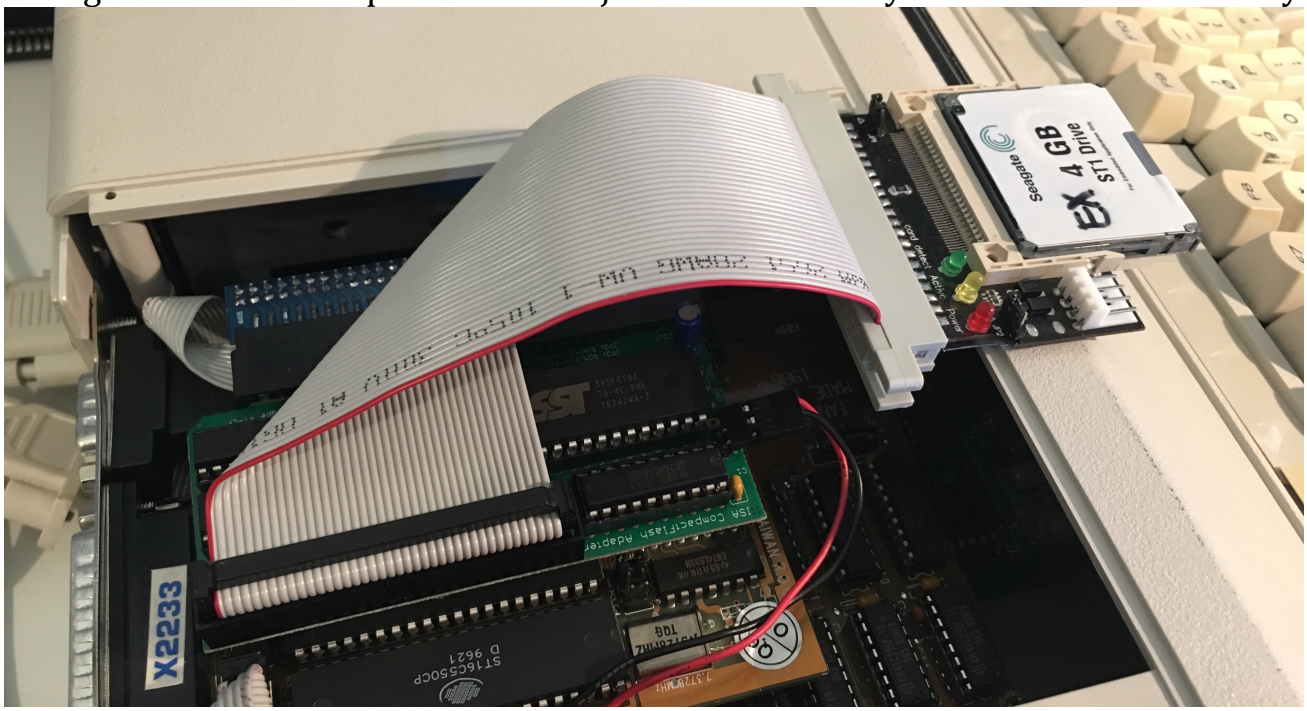
Then remove the Card and adapter, take off the bracket and drill 3mm holes where you marked to drill.

I then found a couple of pc case screws which were slightly too big to "tap" the threads into the brackets and then found a couple of compatible screws the right length to fix the slot bracket in place.



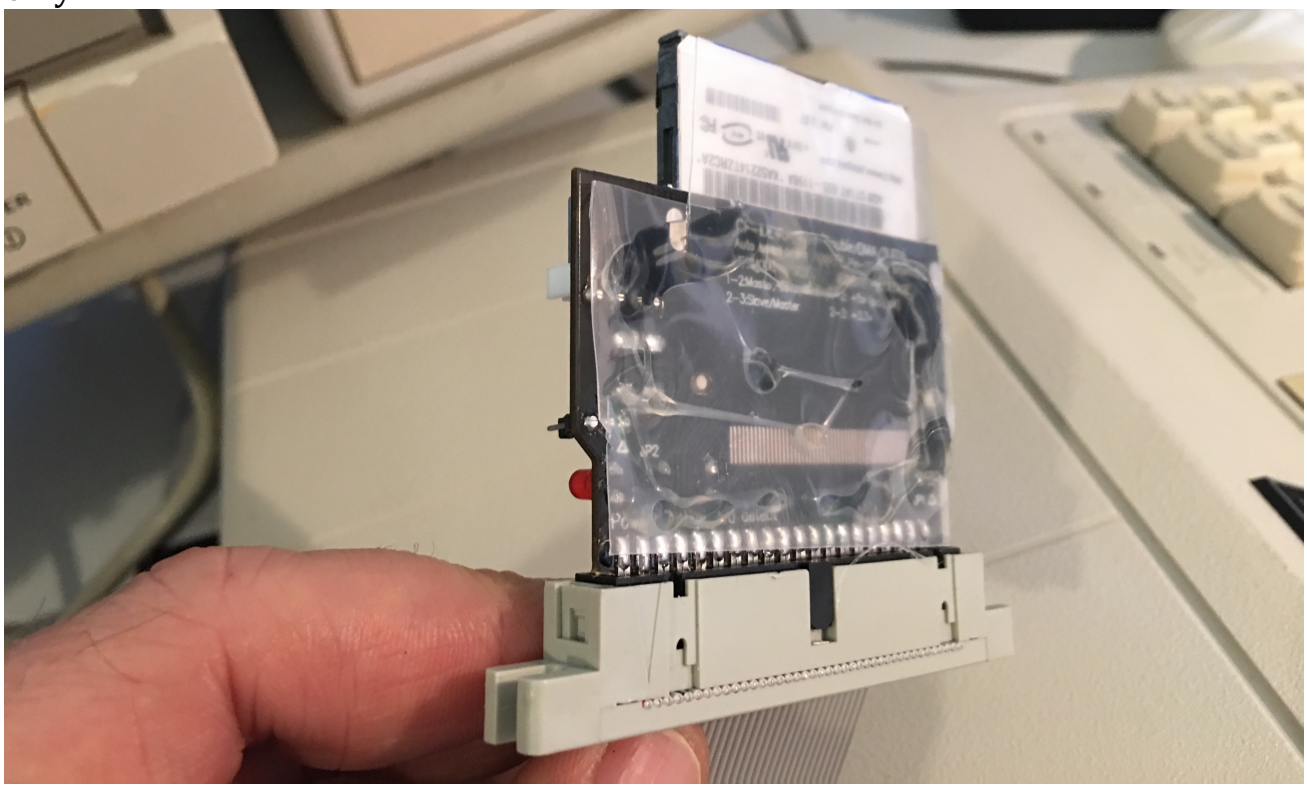
If you wish to install a Microdrive or Flash based Hard Drive, I highly recommend the Lo-tech ISA CompactFlash controller. As you can see below it fits very nicely inside the case.

I made a 15cm IDE extension cable and used the CF adapter shown. 15 cm is long enough to tuck the adapter and drive just behind the keyboard and out of the way.

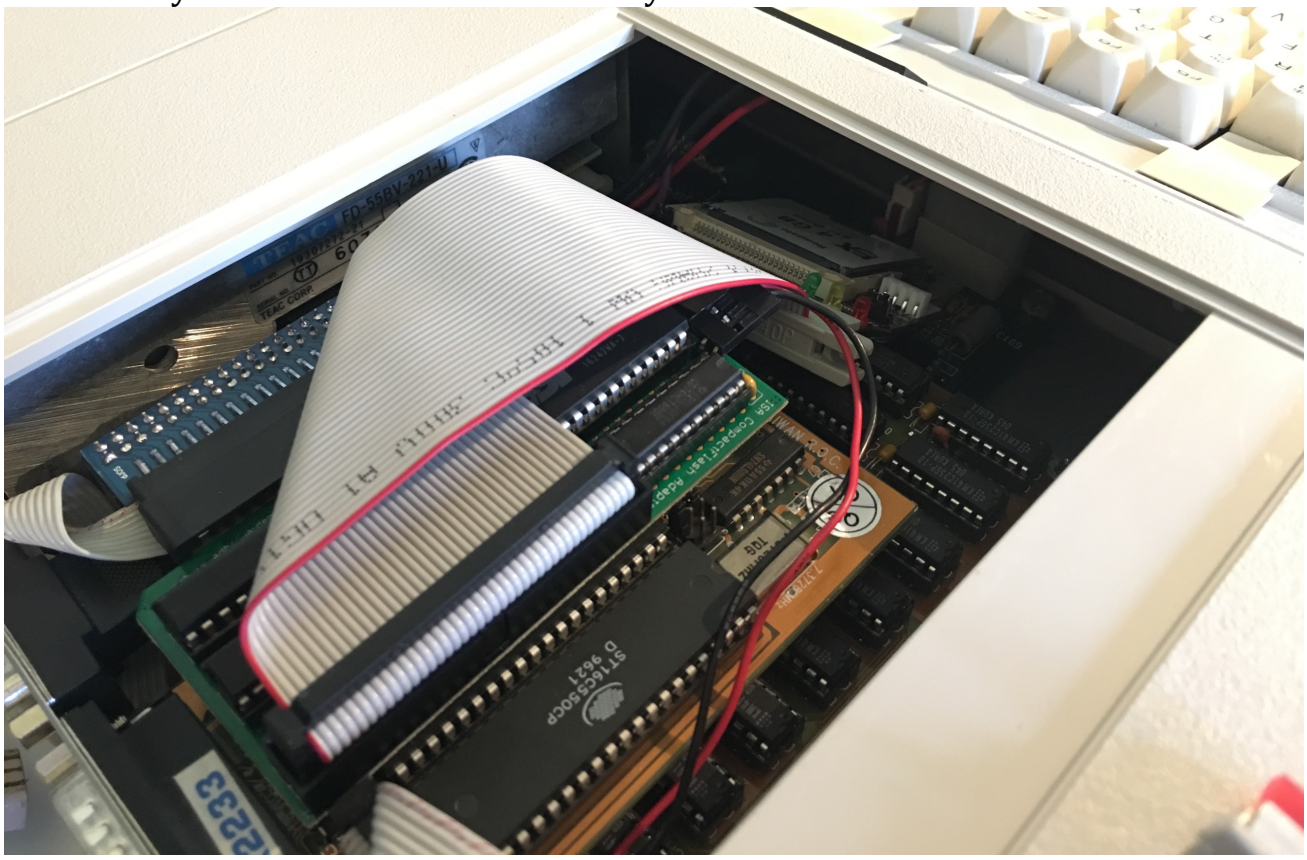


You will need to apply some plastic backing to the CF Adapter to prevent it shorting out your precious Tandy. It needs to cover the back of the CF card too if the CF Card has any metal in it.

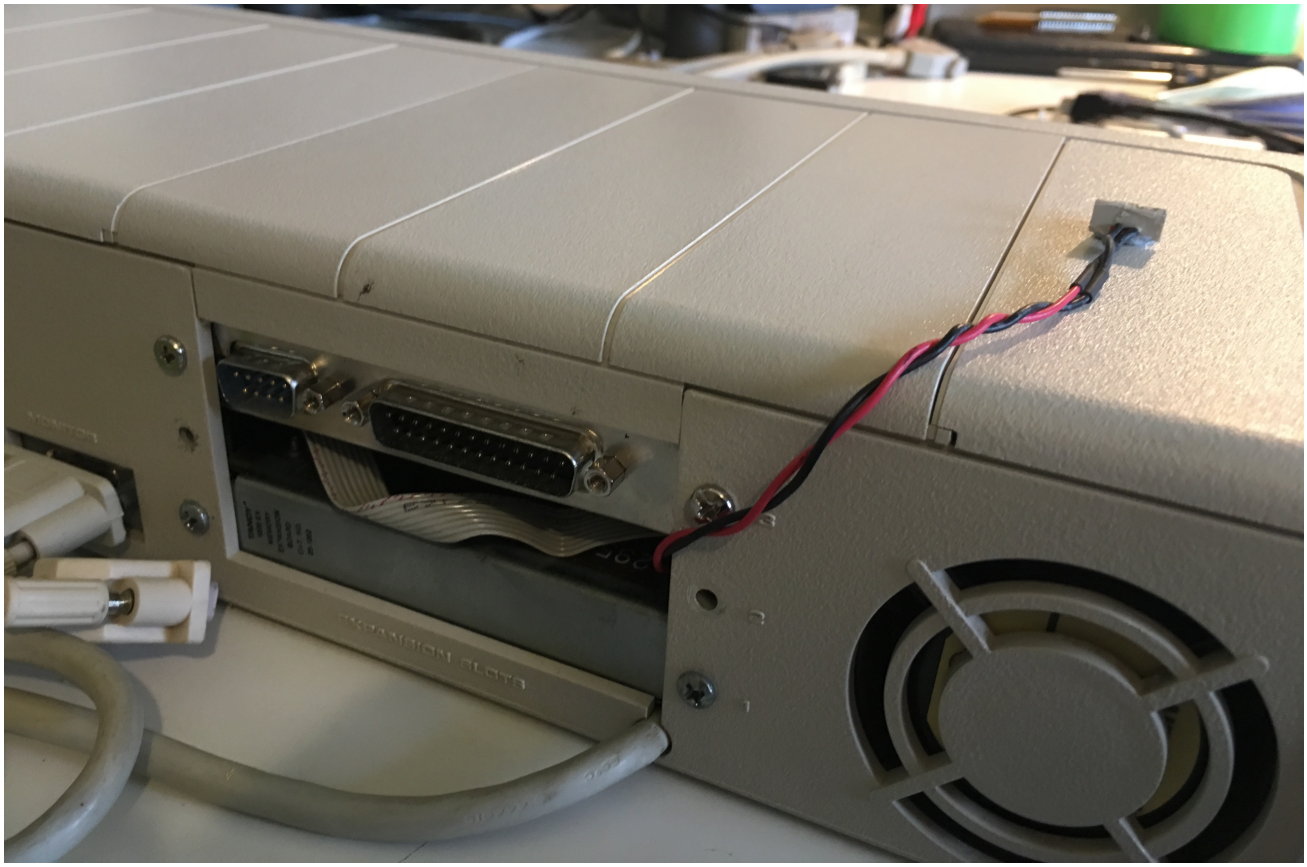
First get some electronics flush side cutters and aggressively trim down any pins poking thru. Then use a hot glue gun to stick your plastic backing to the adapter PCB only.



Then tuck your HDD down into the cavity!



And Voila ☺



Thanks for buying my product, I hope it provides you with as much enjoyment as I had making them. Regards dJOS