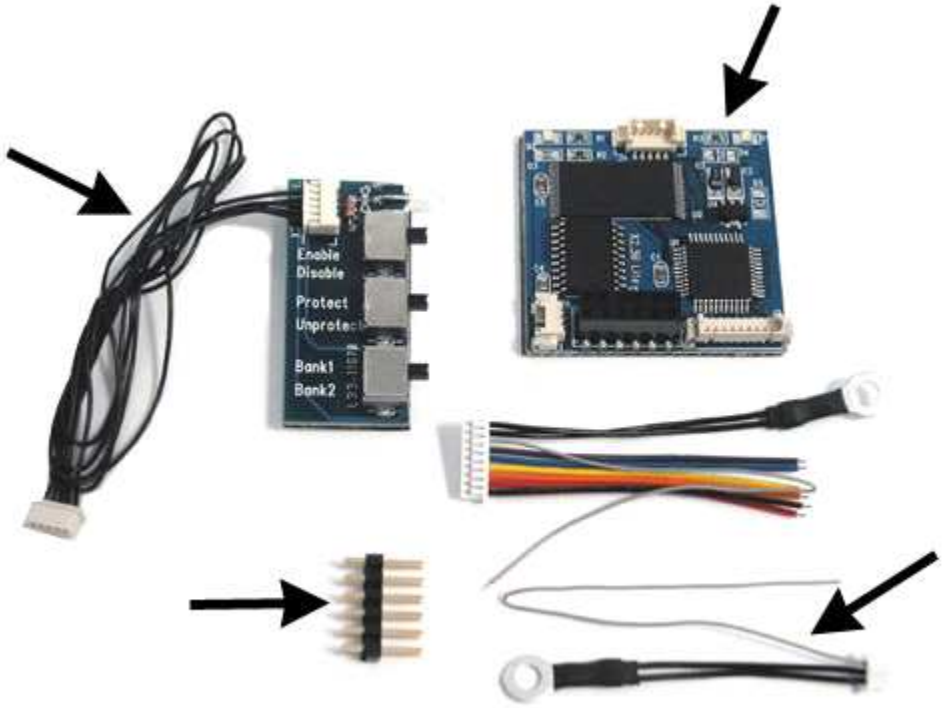
This is the 2.3B Lite complete kit. We have marked with an arrow the items needed for the wire installation. Namely the mod itself, the wire harness and the external switch module.



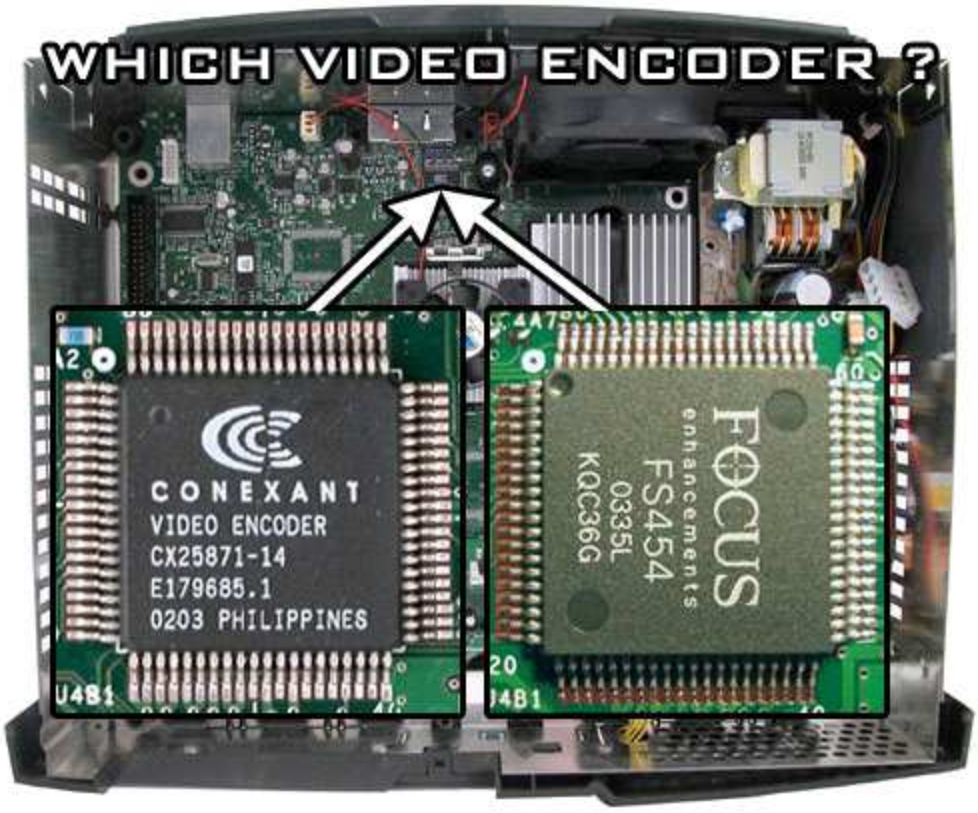
Use the Torx 20 Screwdriver. Unscrew the 6 screws and remove the top cover.


CAUTION
ATTENTION
PRECAUCIÓN
Do not open
Ne pas ouvrir
No abrir
Xbox Video Game System
PRECAUCIÓN
VORSICHT
No abrir
Nicht öffnen
Niet openen

Use the Torx 10 Screwdriver. Unscrew the 3 screws and remove the DVD ROM & Hard Drive units. Unplug the grey IDE cable and yellow power cable from the mainboard.

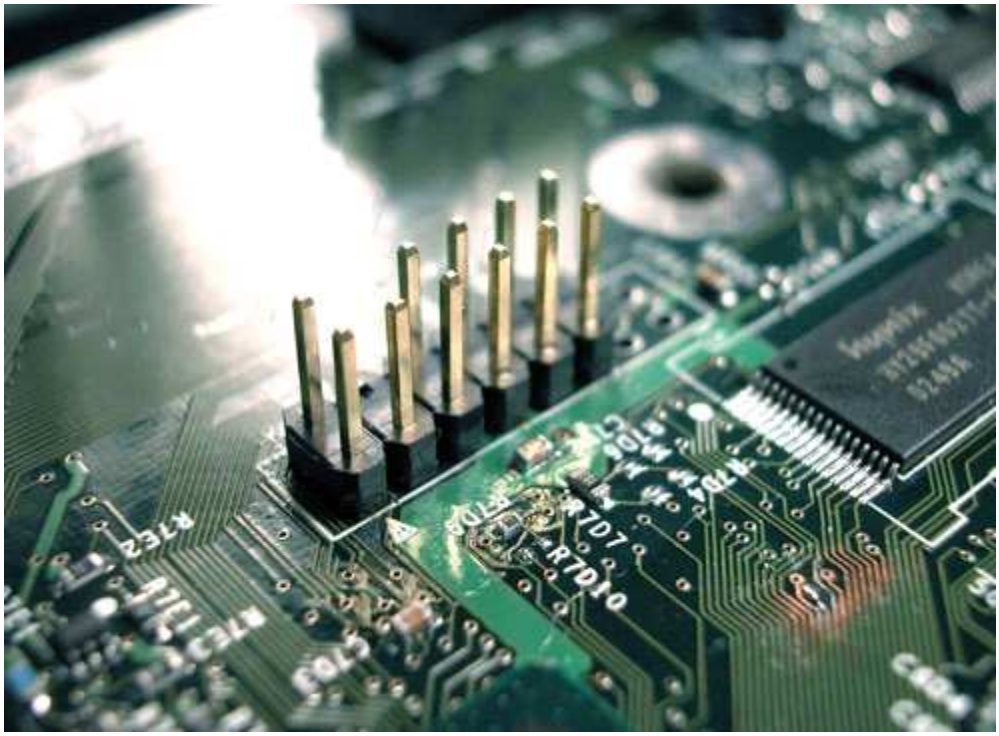
This is the area you will be working with. This is the LPC port that you will be soldering the pin header to. As you can see the holes are clean and ready to go. Only older machines have solder in these holes (v1.0 - v1.1), all the newer machines are all unfilled. To remove solder from filled holes - simply add flux, put some fresh solder on each hole and heat it up a little them simply use some solder braid to remove. The entire process takes less than 5 minutes.

All v1.0 to v1.3 machines have the Conexant video encoder. The majority of the v1.4 to v1.5 machines have the Focus encoder (some new machines in Europe have the Conexant). You will find this information useful when flashing your bios later.



Now you will need to remove the mainboard. First unplug all the connectors from the motherboard. The diagram illustrates this just to give you a little confidence. Note the picture is that of a v1.0. The v1.2 - v1.5 looks a little different but its pretty much the same process.

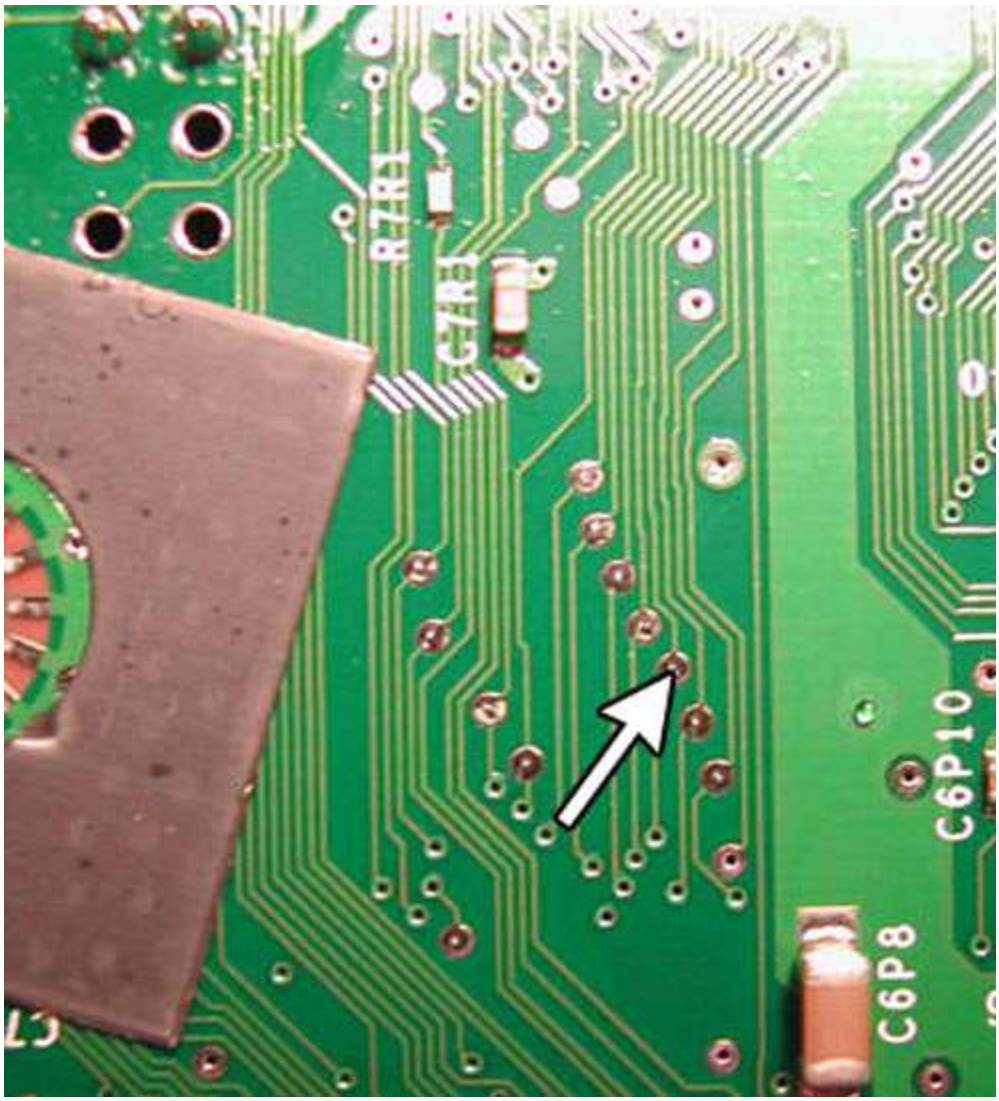
First place the pin header into the LPC port as demonstrated below.



Turn the board over to solder. The diagram clearly shows how simple and clean this procedure actually is. Even if you take your time you'd be very slow if it took longer than a minute. We recommend you use flux for a nice even flow of solder.

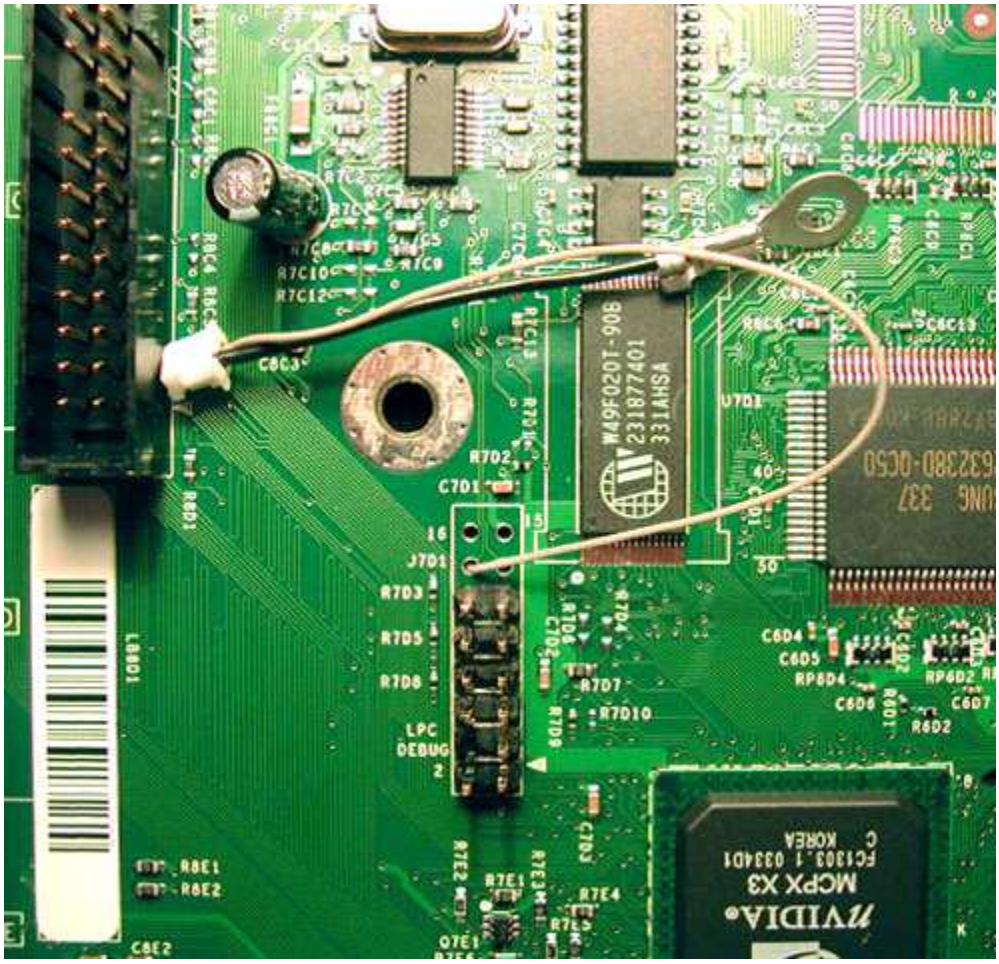
Now for the d0 wire. We are sure you have heard many horror stories but the d0 connection

when using the pin header install option is actually very easy, as the diagrams show you.

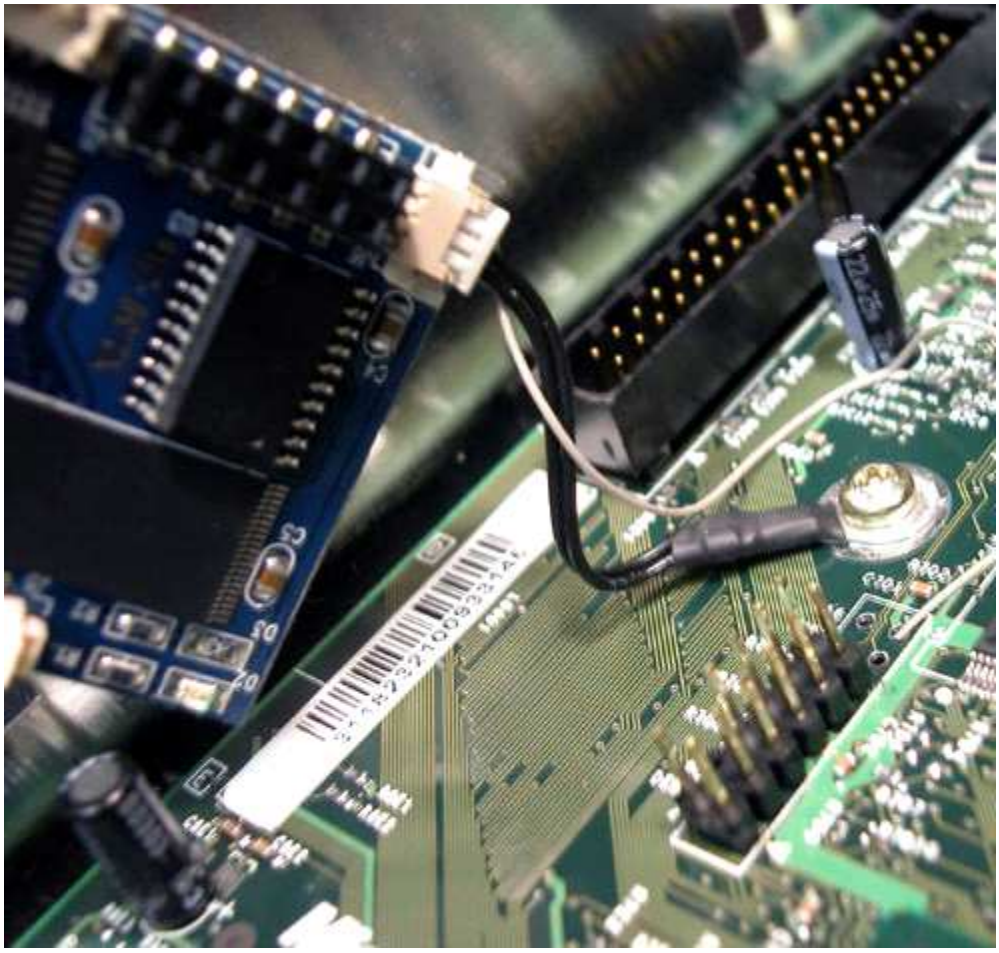


Simply thread the grey d0 wire through one of the spare LPC holes. Make sure you tape up the connection.


R7R1
C7P10
C6P8



This is what everything looks like once connected. Note where the ground connection is screwed in.



This is how the mod should be positioned. This picture also shows the d0 connection soldered on top of the mainboard - you get the choice between the two - obviously the alternate d0 underneath the board is much easier (as illustrated above).

Here is a quick and easy example of how and where to fit your external switch module.

If you are satisfied that everything is connected correctly, first set the external switches to Enabled, Unprotected & Bank 1. Plug in the AV and power cables and turn the Xbox on. The LED on the external switch should be green and the

2 blue LED's should light up on the modchip. The power/eject button on the Xbox should flash Green and Orange.

If all this happens for you then you are ready to test completely by plugging in your Hard Drive and DVD ROM.

You should now get the Cromwell FlashBios on your TV and you should get a green and orange flashing light on the eject button. The tray will eject - now follow the tutorial on how to create a Bios Update Disc.

You are now installed correctly so you should put everything back together (take your time).
You are now ready to flash your BIOS of choice to the modchip.