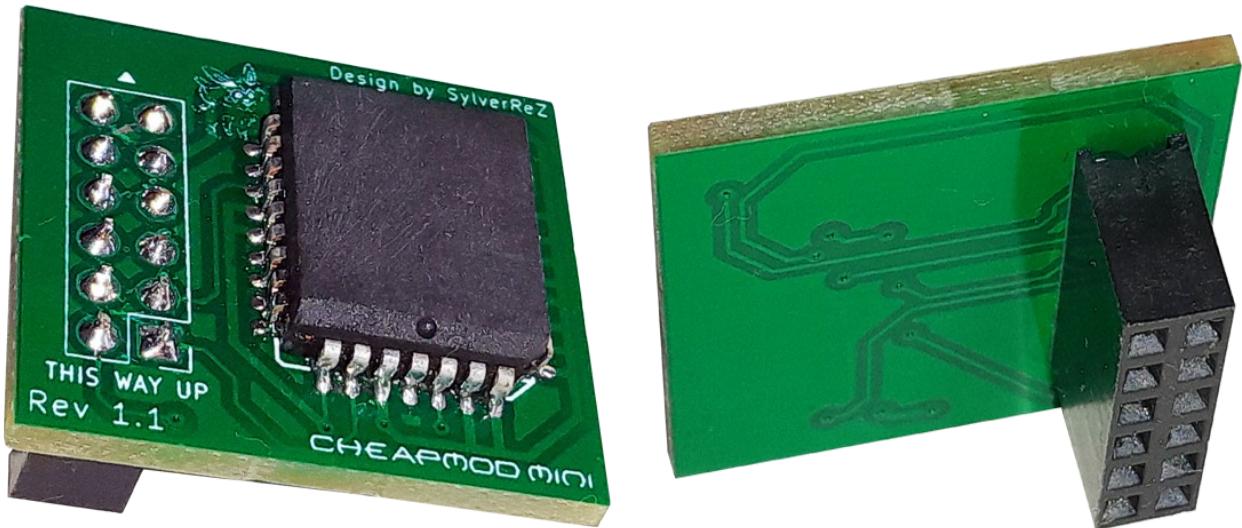


CHEAPMOD MINI

INSTALLATION GUIDE



USER'S INSTALLATION GUIDE XBOX V1.0 – V1.2

Cheapmod Mini is an open-source project by SylverReZ and can be downloaded from:
<https://github.com/m4x10187/cheapmod-mini>

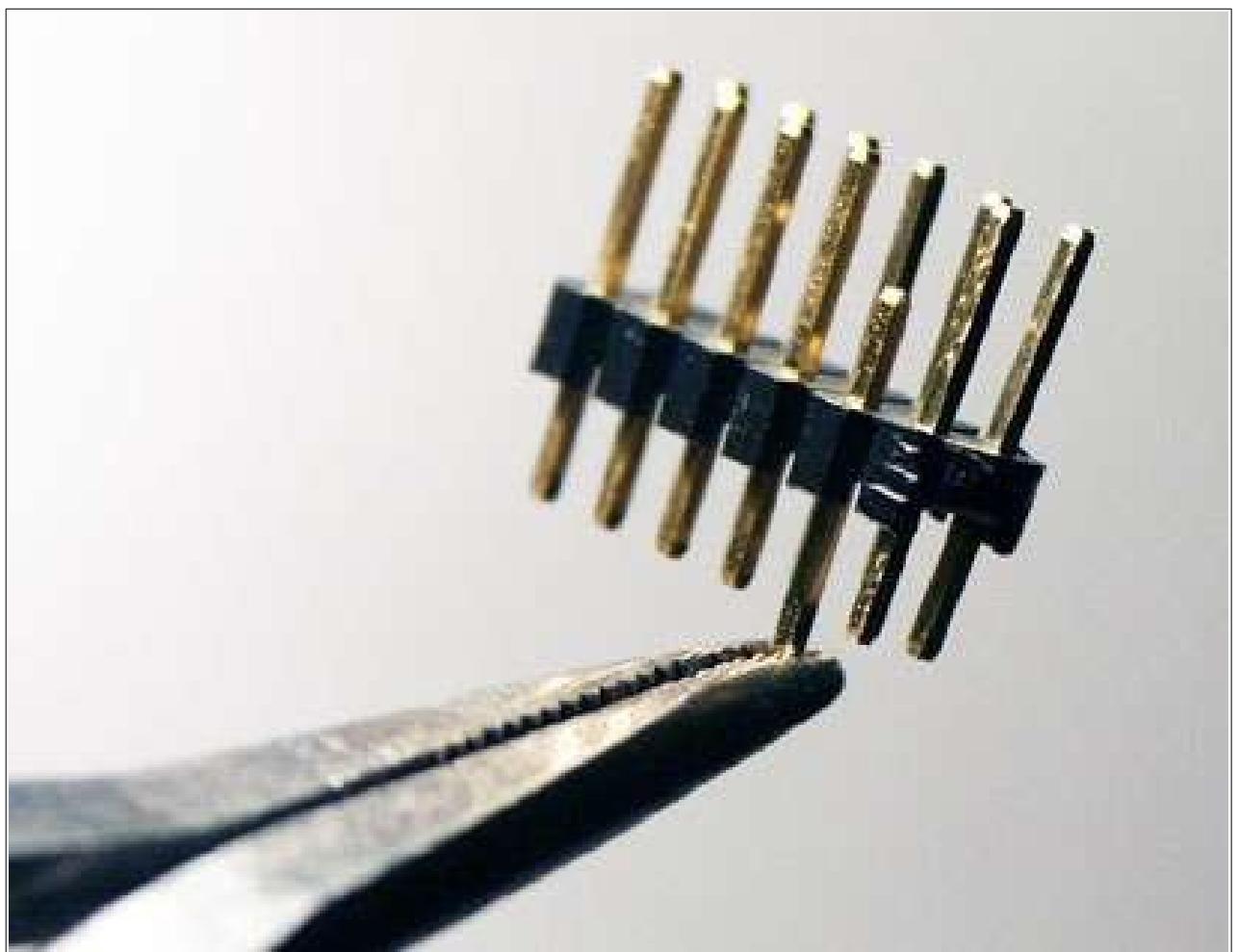
REQUIREMENTS

- Cheapmod Mini chip.
- (2x06, 2.54mm pitch) female pin header.
- Desoldering wick or pump.
- Temperature adjustable soldering iron at 300C or 15W soldering iron.
- Cone-shaped soldering tip.
- AmTech NC-559-ASM or Kingbo RMA-218 electronics flux (either in tube or pot form).
- 60/40 rosin core solder (**NEVER** use lead-free).
- 99.9% pure isopropyl alcohol.
- Q-tips or tooth brush to clean leftover flux.

This guide was designed to show you the basics of installing the Cheapmod Mini. It should not be used as a reference to improve your soldering skills or disassemble the Xbox. If you are not comfortable using an iron, leave this to a professional

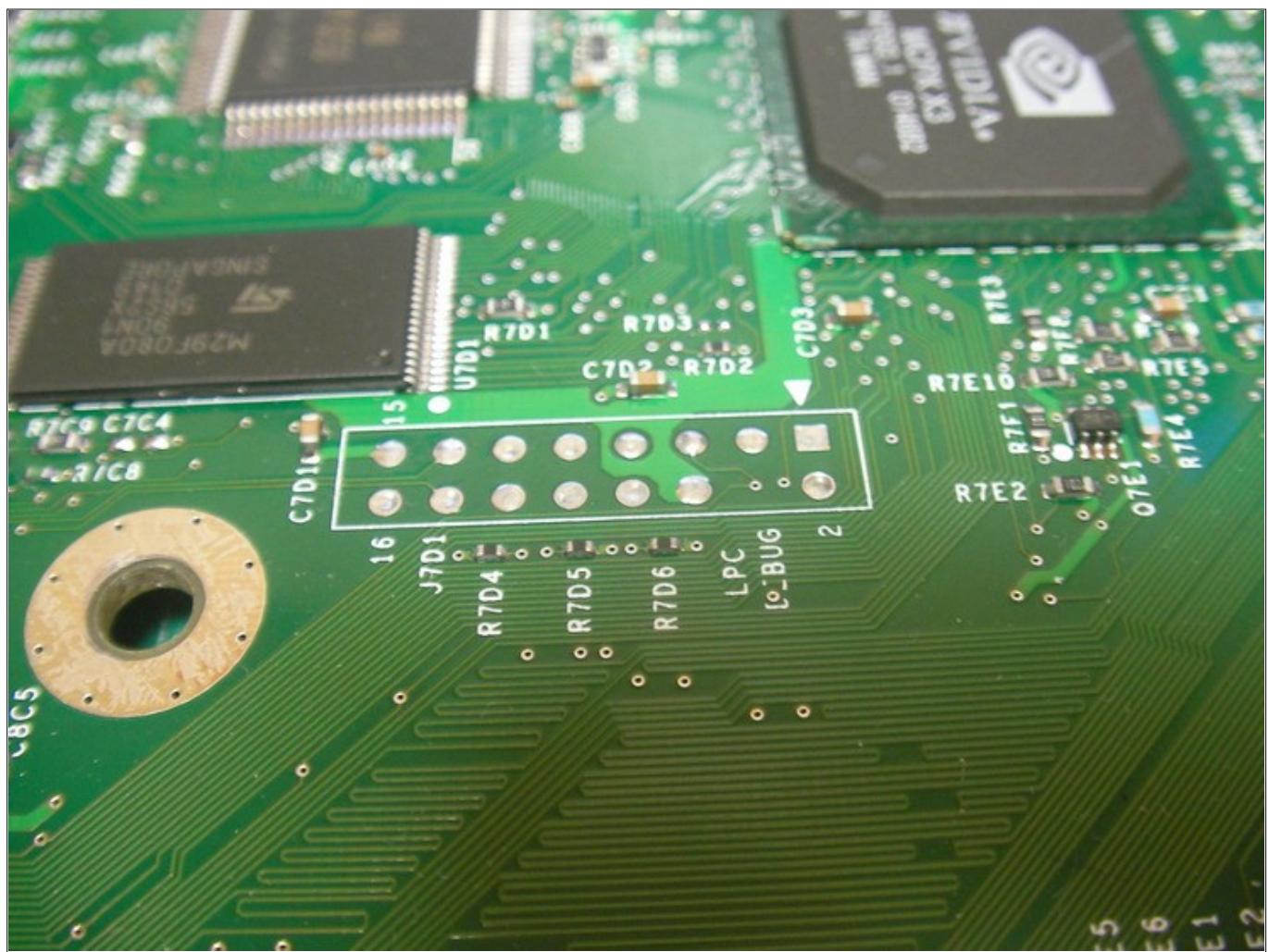
By following this guide, you accept that your Xbox's warranty will be voided and therefore cannot be replaced if you mess something up in the process, the author of this guide will not be held liable for any unexpected damages.

- Using a set of needle-nose pliers or tweezers, remove pin 4 from the pin header as highlighted. This is required for the header to sit in place of the LPC port.

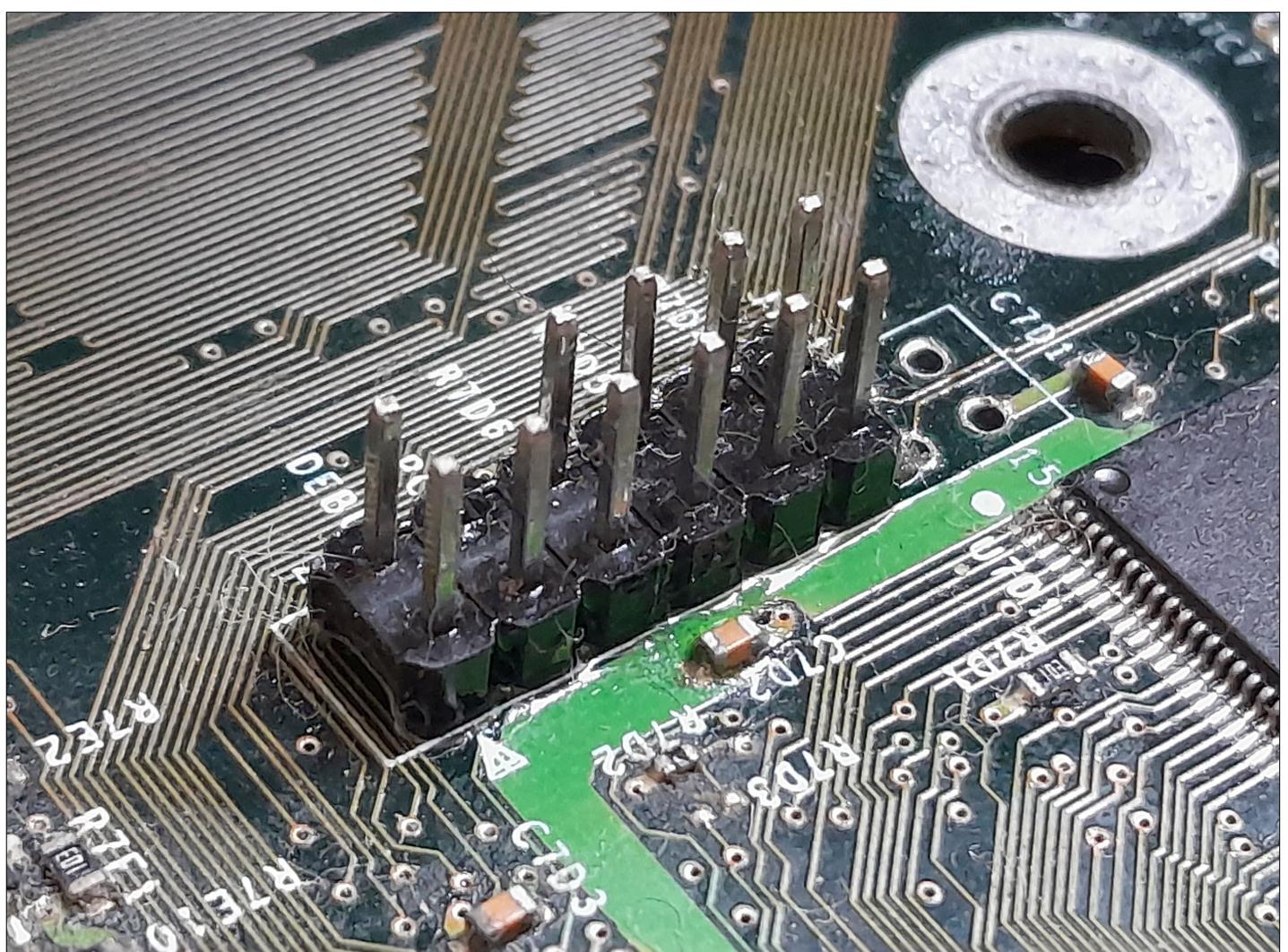


- If the LPC port holes are filled with solder, squeeze out a dab of flux so the pads are covered, and heat up a fresh blob of solder over until you can easily clean them out easily with a desoldering pump or desolder wick.

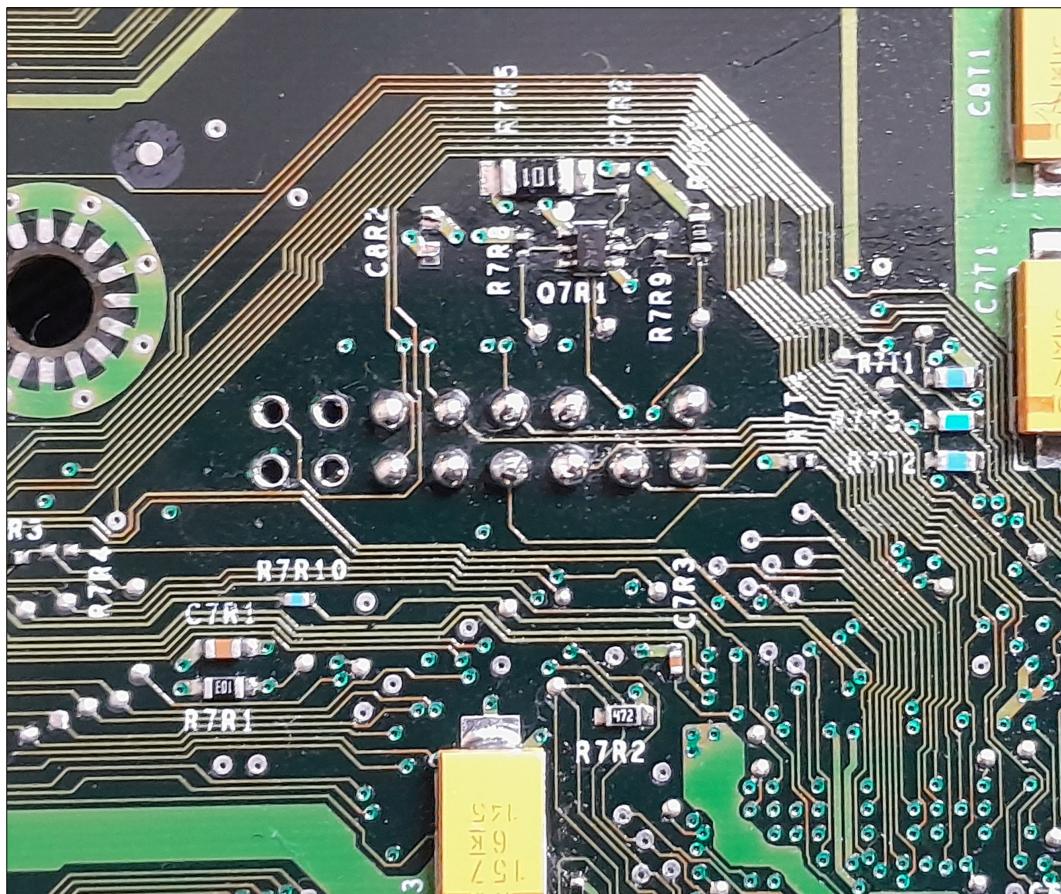
Some motherboards will not have the holes filled up so this step is entirely optional.



- Install the pin header below the row of pads where the arrow is indicated. Secure the header tightly with two strips of electrical tape so that it doesn't move about when you're soldering it into place.

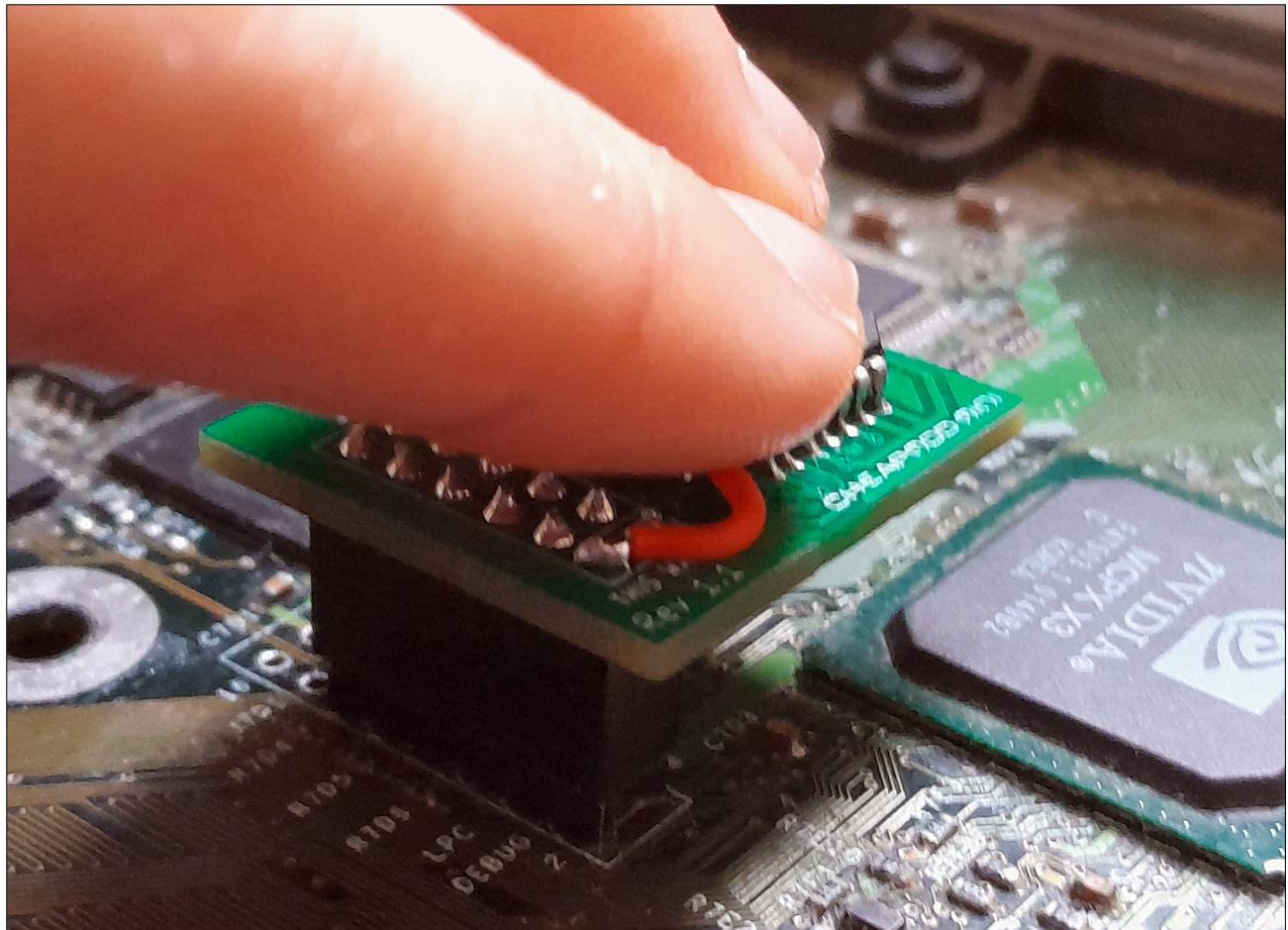
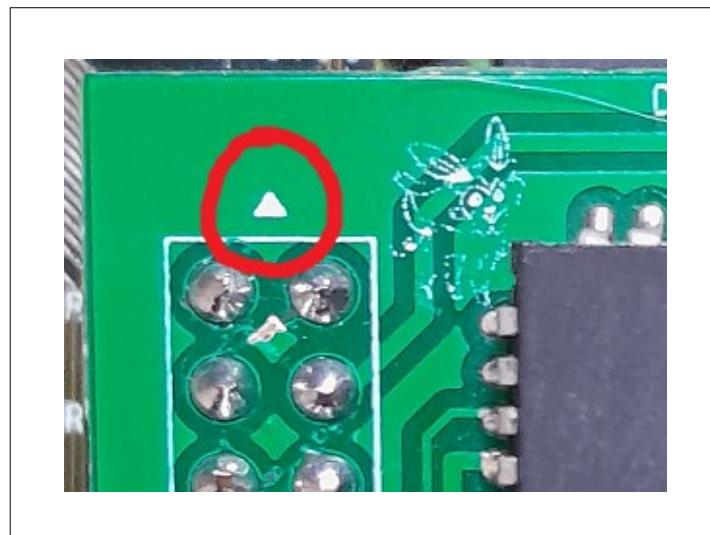


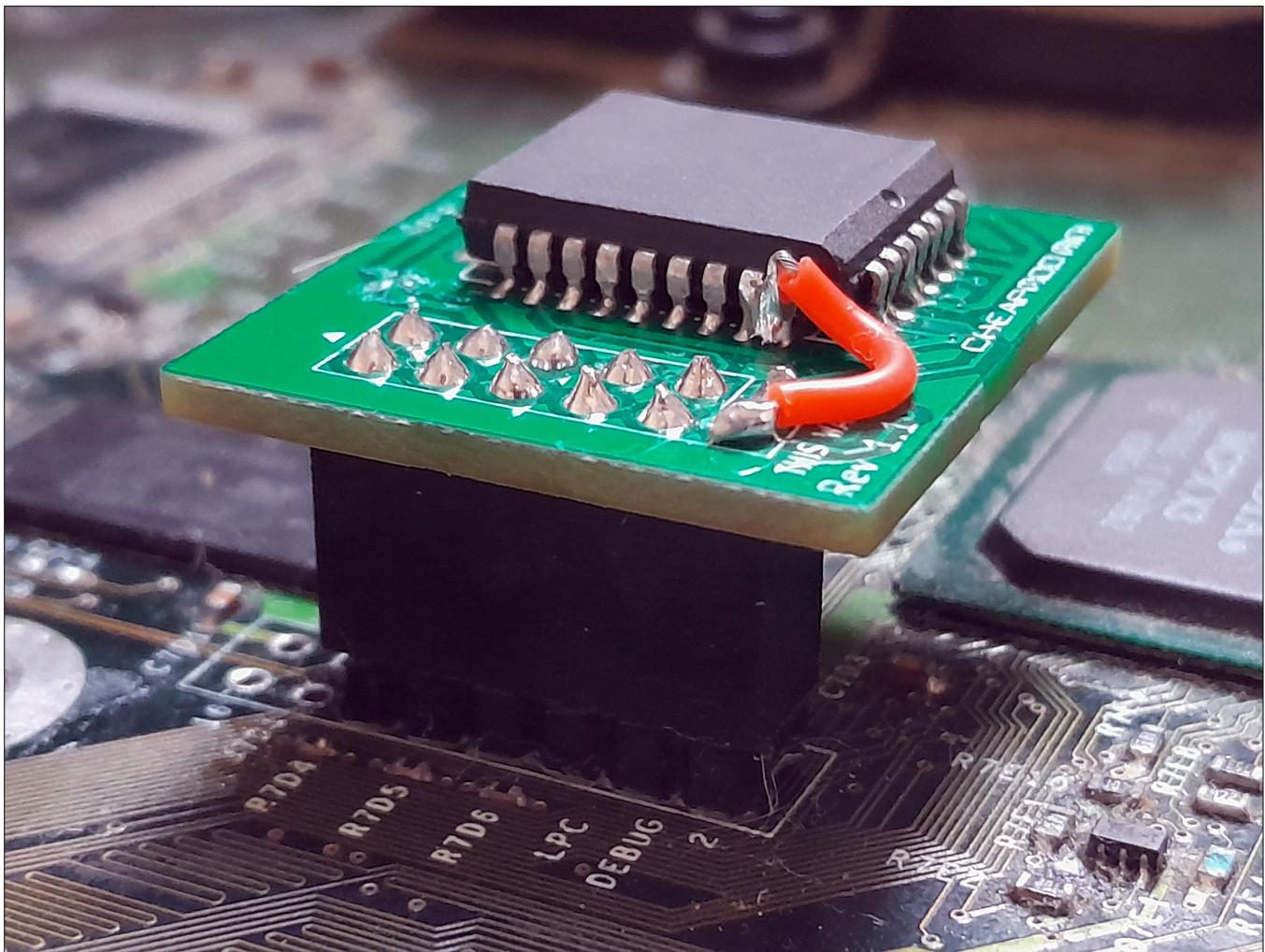
- Underneath the motherboard, solder each of the pins of the pin header. Use plenty of flux as this will help flow the solder and better improve your joints.



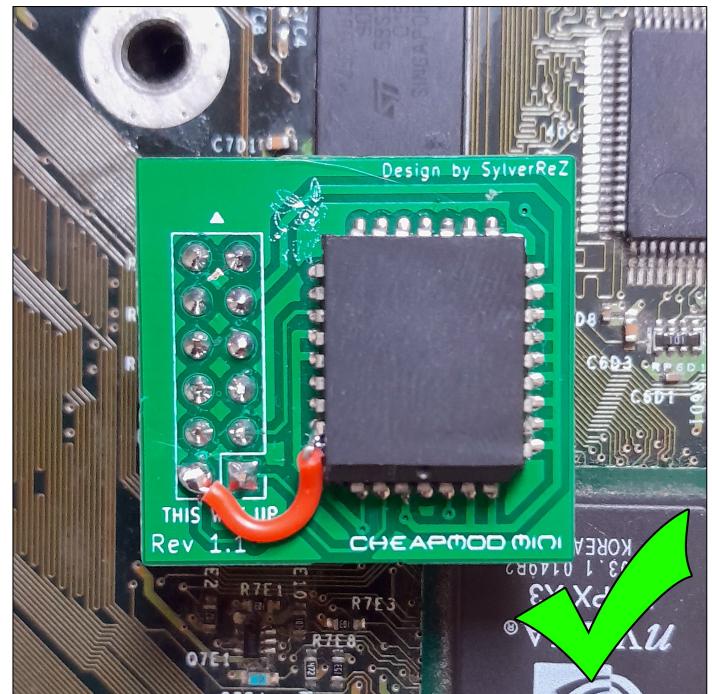
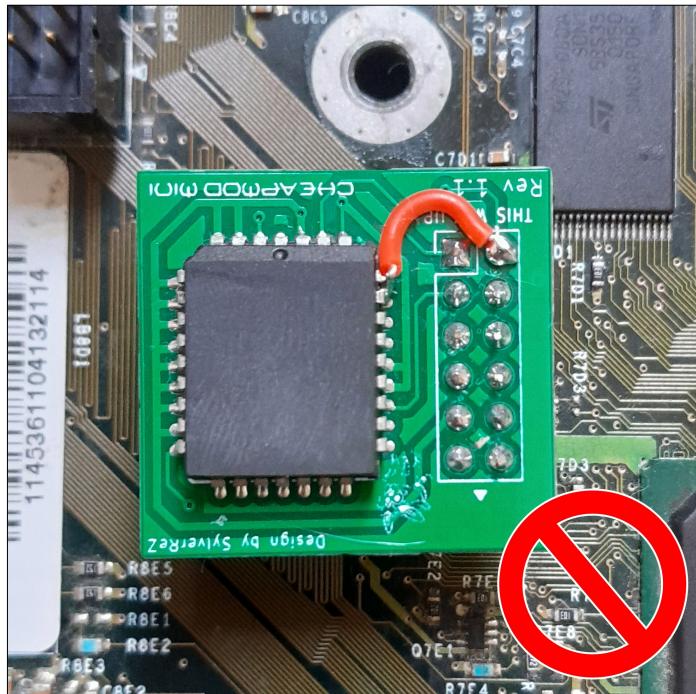
- Check that the pin header is soldered correctly by giving the header a gentle wiggle. If it doesn't move, then you have successfully soldered it properly. Make sure you give your solder joints a good clean with isopropyl alcohol, as flux is electrically conductive and could short something.

- Firmly place the **Cheapmod Mini** chip on-top of the pin header like so, ensuring that it sits up straight and doesn't jolt around. Make sure that the arrow indicator on the chip is pointing upright.

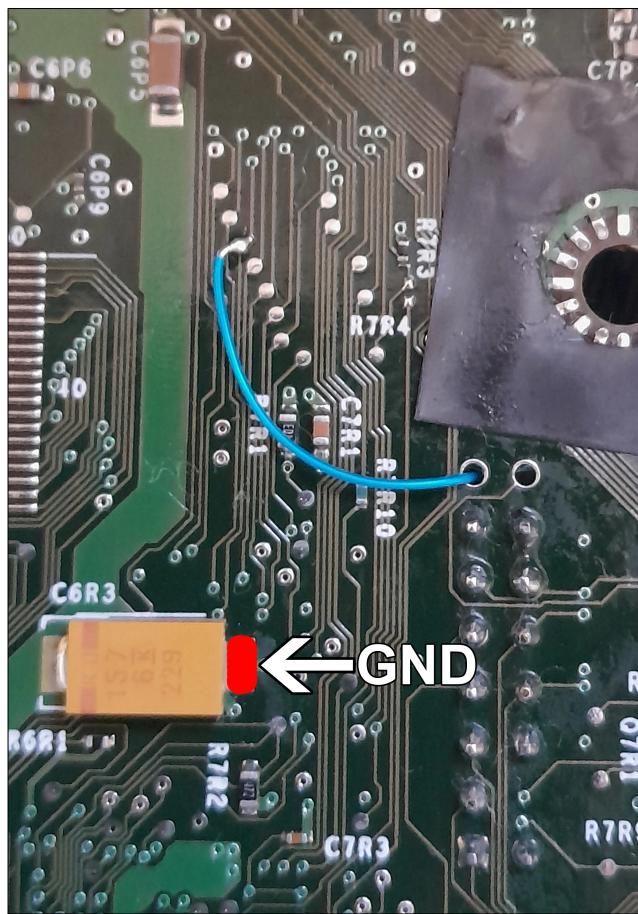
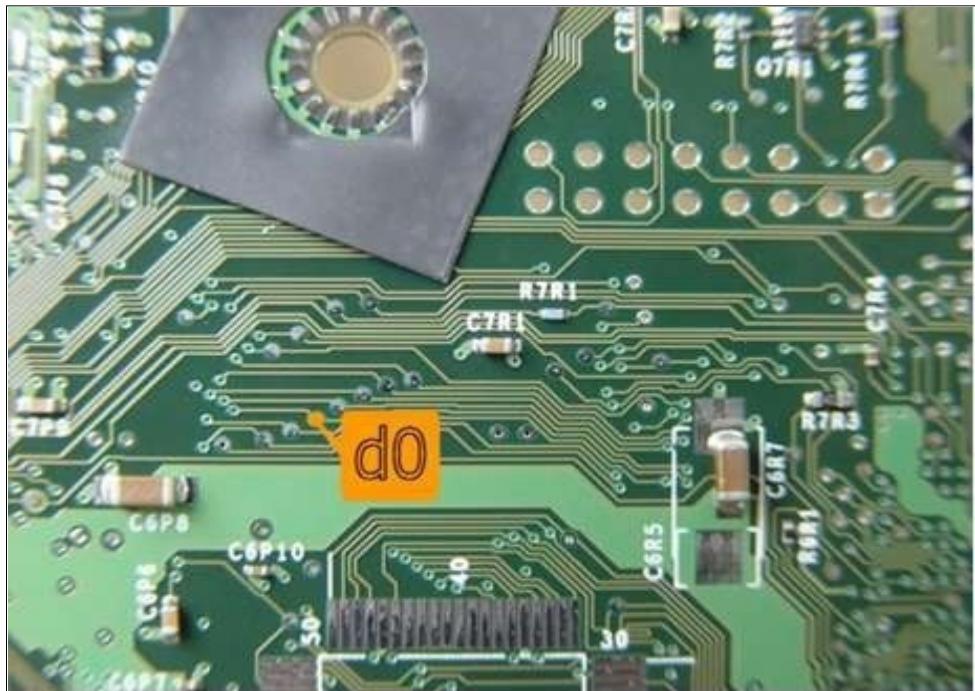




What it should look like installed. (wire not required)



- Thread a strand of wire through one of the empty LPC port holes and turn the board around to the other side. Solder one end of the wire to **D0** and the other end to a safe **GND** point. This is important as it will allow you to re-program the flash chip with a different BIOS.



- Re-assemble your Xbox and plug in the appropriate cables: within your luck, the console should boot into the chip's BIOS. If not, then double-check your connections. Enjoy your modded Xbox!



Cerbios by Team Cerbios



CREDITS

- XBOX-SCENE and GBAtemp for supporting my product.
- Dobart Muffinstein for the v1.6 diagrams.
- Team Cerbios for their hard work on creating an awesome BIOS.
- Team Resurgent for their amazing projects to give to the XBOX community.
- And **YOU** for purchasing/making this product, your support means a lot to me.



Character design by (MyNameisShape.com).
Guide created by SylverRez. All rights reserved.

(this page is left intentionally blank)