Quicksolder Guide for the Yowii Chip

Please read the guide to disassembling the wii found here before starting.

Tools
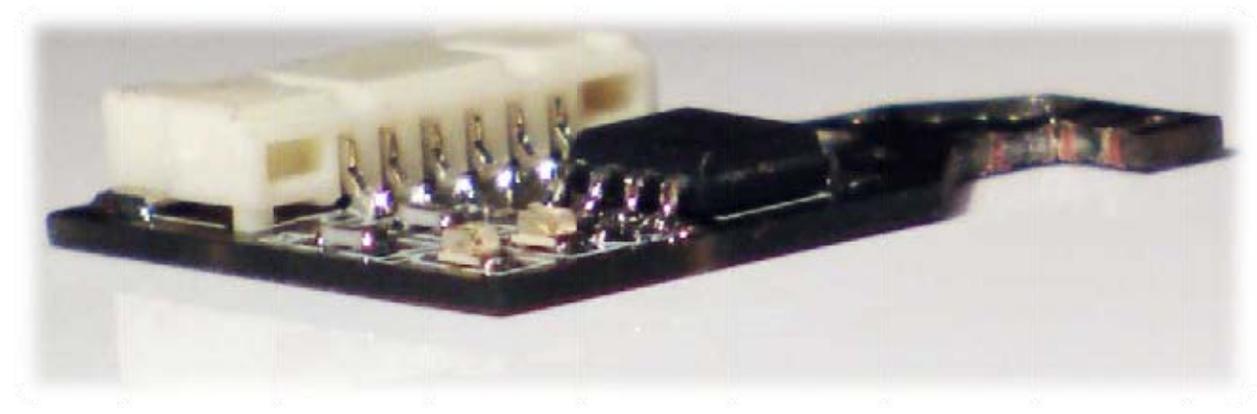
Soldering iron

Solder

Flux (optional)

Yowii chip

Desoldering braid/solder sucker (in case of mistakes)

Bright light (optional but highly recommended)

Magnifying glass (optional)

Step 1

Before installing the Yowii chip, it is helpful to prepare it first.

This will make the installation faster and easier.

First you need to tin the solder pads on the Yowii chip (pictured).

The correct way to do this is to apply heat with your soldering iron

to the top of the pad and apply the solder to the side of the pad.

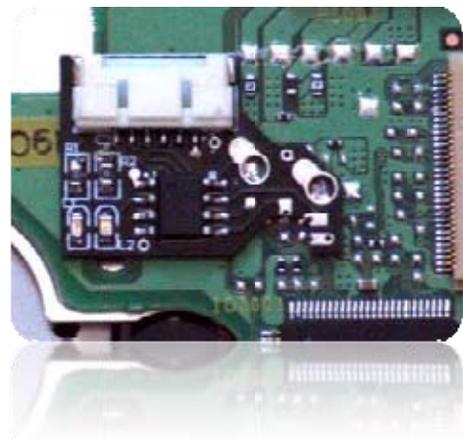The solder should melt smoothly onto the pad.

Step 2

Once this is done, you are ready to begin installation.

Place the Yowii chip in position.

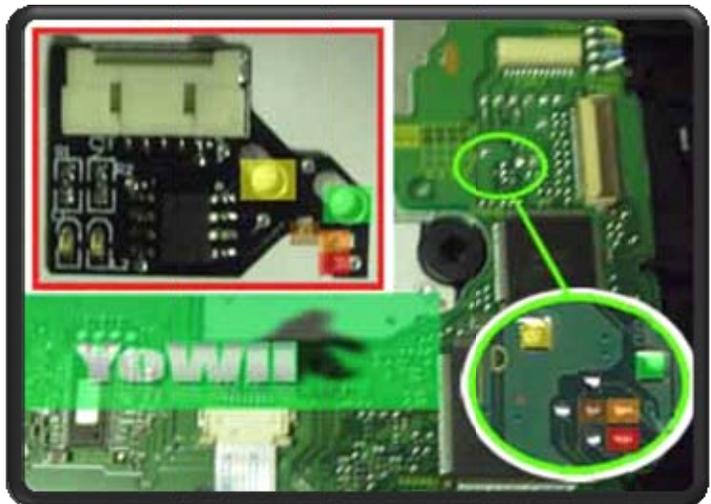Line the chip up using the 3 points you just tinned.

Step 3

Start by soldering the points marked in orange

Hold the chip in place with one hand and touch the soldering iron to the tinned pad and the point on the board at the same time (both marked orange).

The solder should run together.

Do the points marked brown and red exactly the same way. Then do the yellow and green points.

You are done… it's that simple.

Tips

Don't hold the soldering iron on a point for more than a few seconds.

If you need to re-solder a point, leave it at least 10 seconds so that the point has time to cool.

320 degrees Celsius is ideal for soldering electronics. Your margin for error will be smaller at higher temps.

Cheap soldering irons (no temp control) and unclean tips are the main reasons for a solder job going wrong.

Wire install is a better option even if it takes a little longer.

Disclaimer: You are using a soldering iron. You risk impaling yourself or even burn something. So if you take the risk, you are responsible for anything that happens.