USB-C KIT FOR

NINTENDO WII U GAMEPAD

PRODUCT

HTTPS://SHOP.GILTESA.COM/PRODUCT/NINTENDO-WII-U-GAMEPAD-USB-C-KIT

PLEASE READ THROUGH THESE INSTRUCTIONS ENTIRELY BEFORE ATTEMPTING TO INSTALL.

WARNING: IF YOU ARE NOT COMFORTABLE WITH SOLDERING, OR PERFORMING ANY STEP IN THIS GUIDE, DO NOT PERFORM THE INSTALL YOURSELF. FIND SOMEONE WHO IS COMFORTABLE TO DO IT FOR YOU.

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DESCRIPTION

The **Nintendo Wii U GamePad: USB-C** is a board that allows you to replace the original charging connector with a modern and standard **USB-C** port.

If your original connector is too old or damaged and you need a new one, or **if you would like to charge your Wii U GamePad with a standard USB-C charger**, like the charger for your **Nintendo Switch**, phone, or laptop, you can do so with this board.

FEATURES

Charging your Nintendo Wii U GamePad with:

- USB power banks
- USB-A chargers
- USB-C chargers
- USB-C PD chargers (normal speed, not fast)
- USB-A to USB-C cables
- USB-C to USB-C cables

INCLUDED

- 1 flexible board.

RECOMMENDED / REQUIRED [NOT INCLUDED]

- Tri-wing and Phillips screwdrivers.
- Tin soldering iron.
- Tin.
- Flux.
- Desoldering pump.
- Desoldering mesh.
- Isopropyl alcohol.

BOARD DETAILS

This small flexible board has a total of 2 pads.

1. GND: The ground pad.
2. VCC: The +5V pad.

TEST THE BOARD!

Before starting the installation, you should test the board. If it doesn't work contact me for a replacement *(all boards are fully tested, but they may damage during the shipping, we try to package them as better as possible),* **if it works, go ahead with the installation**.

Connect the power from your USB charger to the USB-C connector on the board. Then, with a multimeter in voltage measurement mode, **check for a 5V reading. If that's the case, continue with the installation.**

INSTALLATION STEPS

Please, carefully read the following steps for a successful installation.

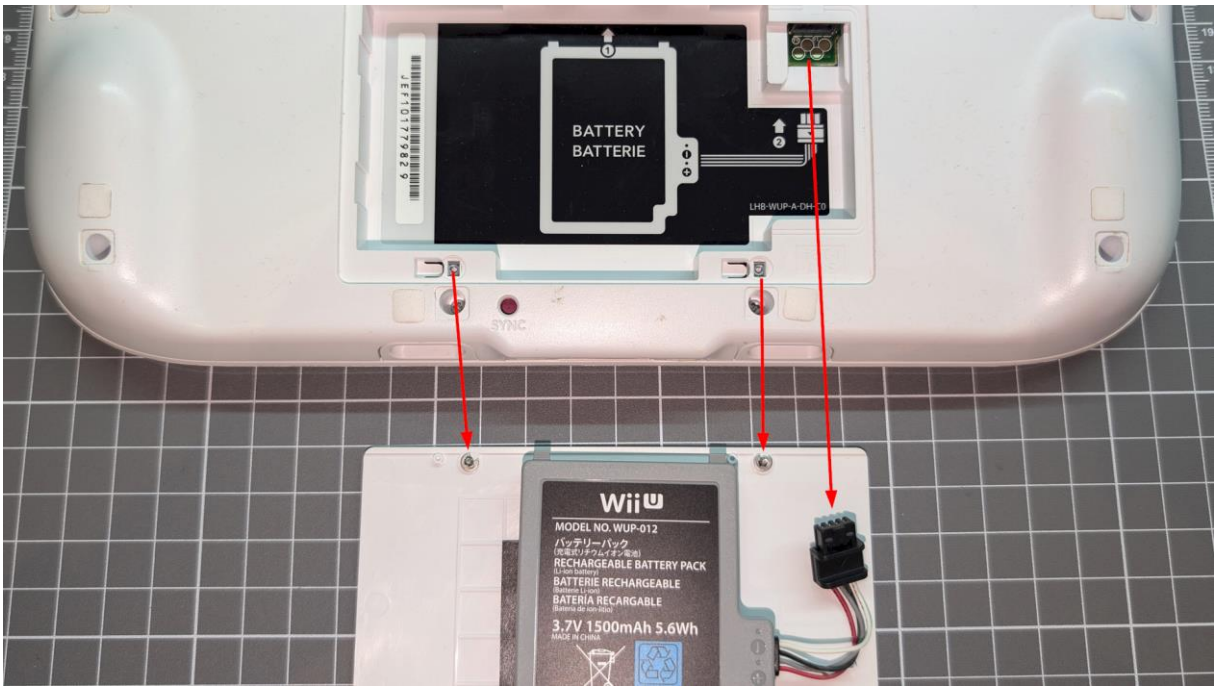
PRE INSTALLATION STEPS

Before the installation, your Wii U GamePad may need some extra steps to have it ready for the kit.

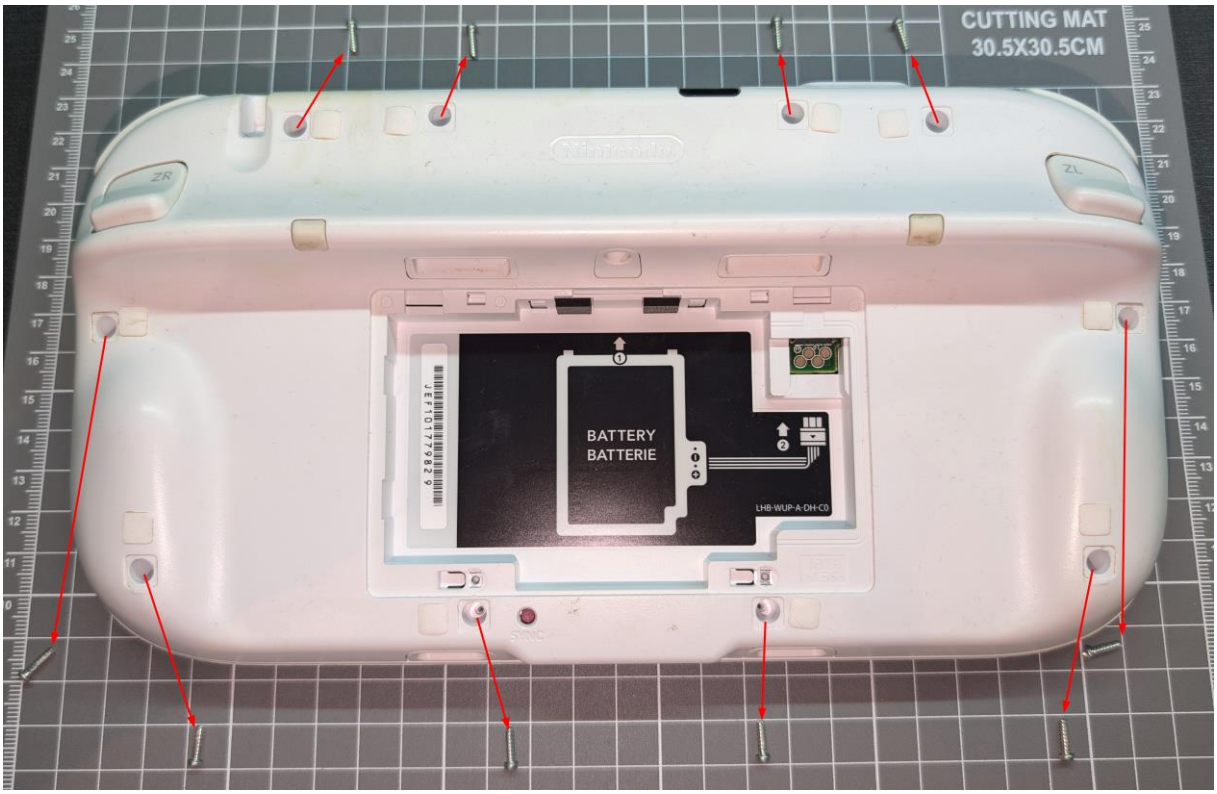
1. DISASSEMBLY THE GAMEPAD

If the steps in this guide are insufficient and you can't proceed, you can refer to the iFixit guide for opening the gamepad.

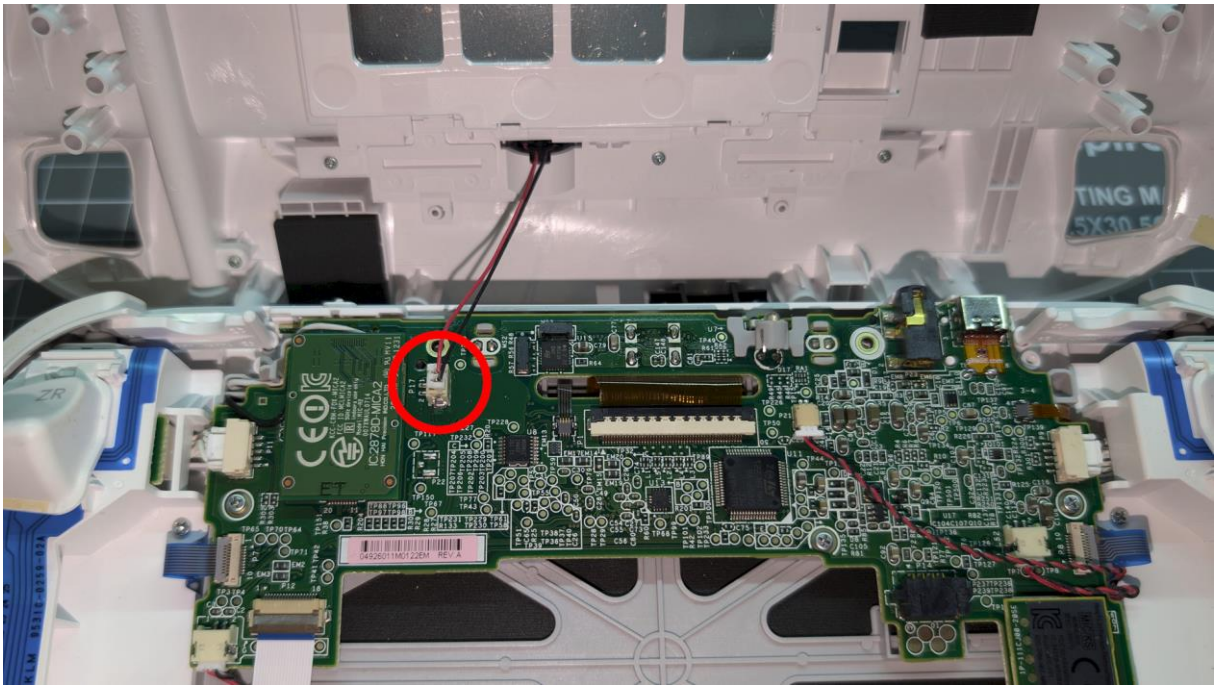
Remove the two screws from the battery cover and the battery.



Remove the 10 screws holding the back casing.

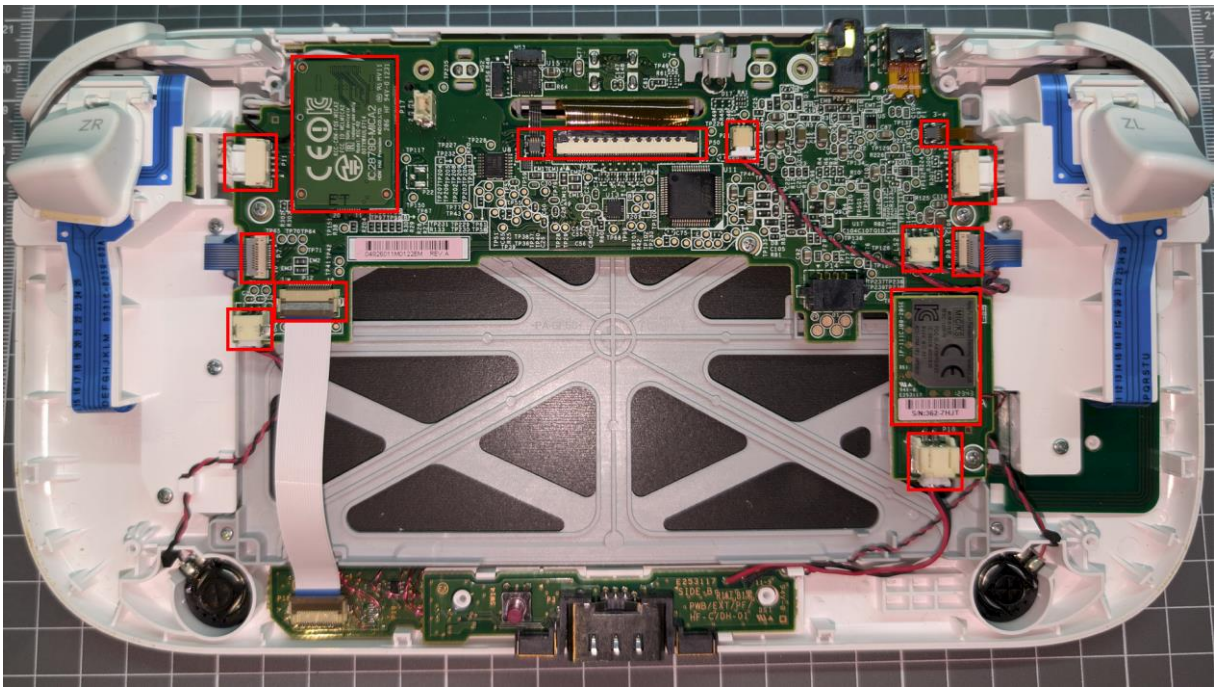


When removing the casing, do it carefully as there is a cable connected to the mainboard.



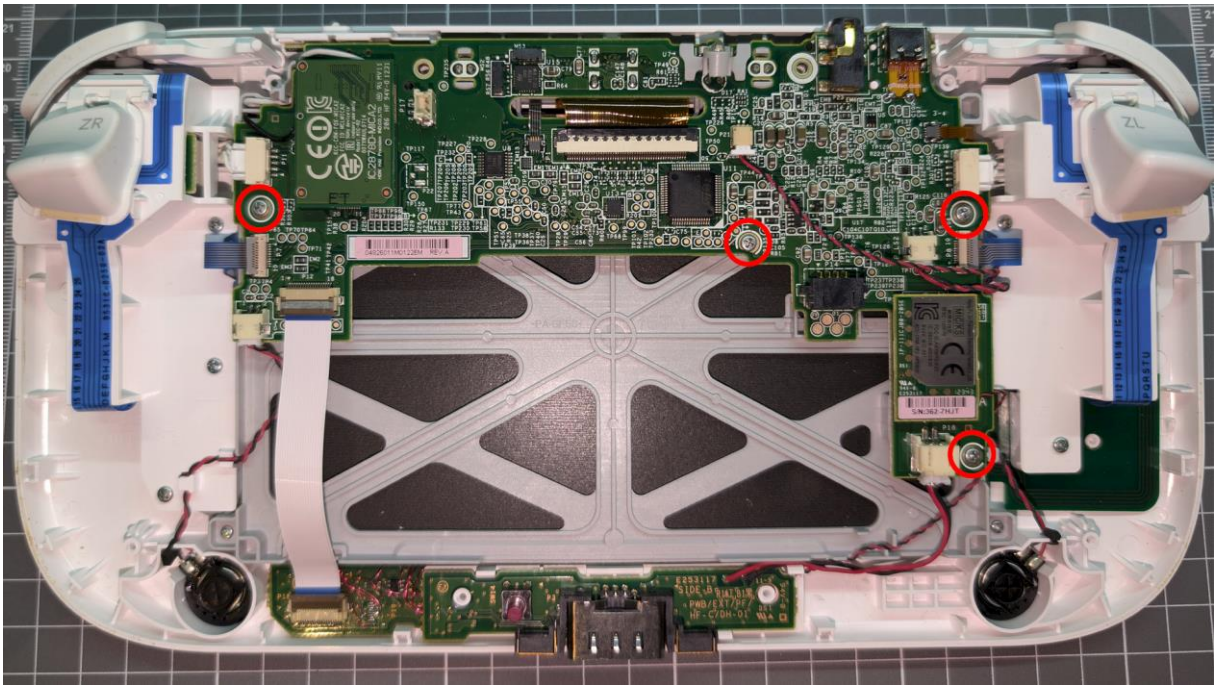
In some images, you will see that the charging connector had already been replaced with the kit's connector; ignore that detail :)

Disconnect the 14 flat cables, regular cables, and modules marked in this photo:



Do not disconnect the lower circuits or the flat cables that connect both boards (this is not necessary for the kit installation). These connectors are very fragile.

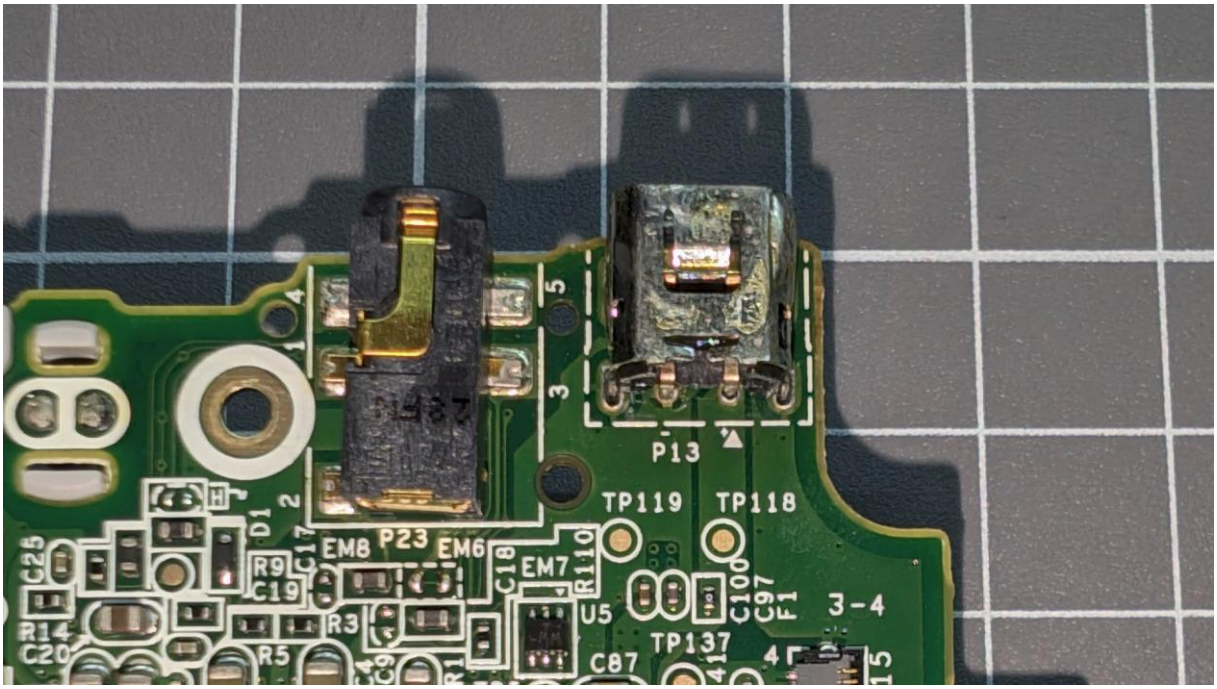
Remove the 4 screws holding the motherboard to the front casing.



You can now remove the motherboard.

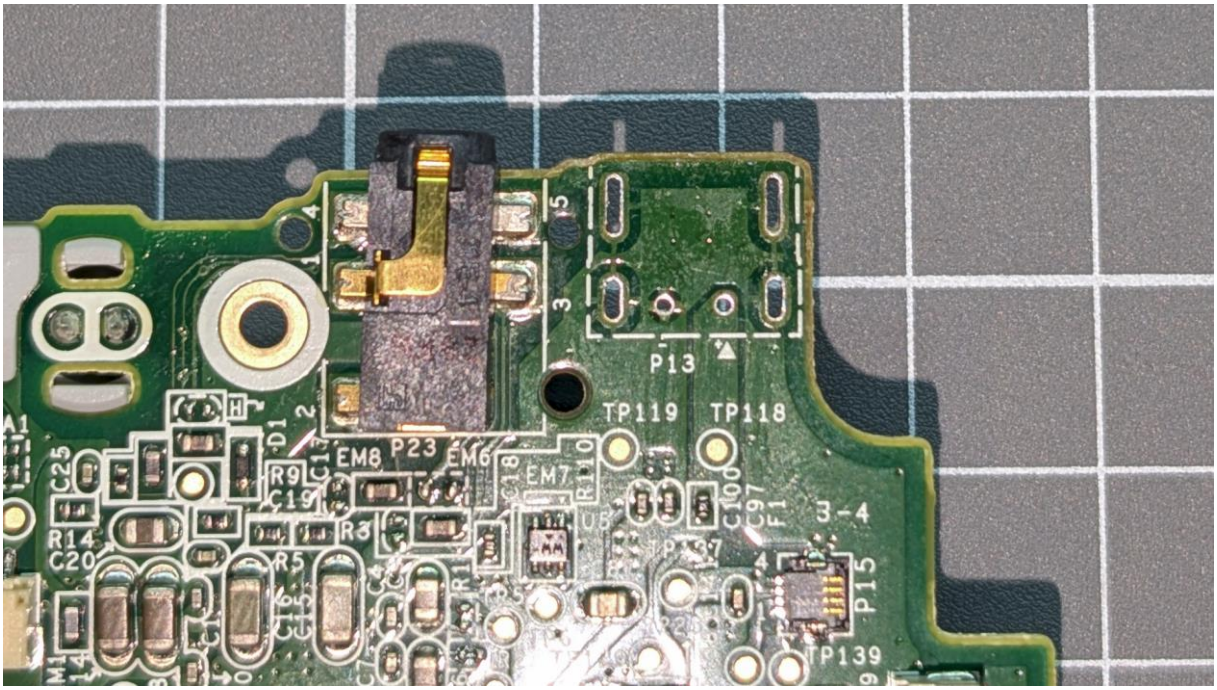
2. REMOVE UNNECESSARY PARTS

It is only necessary to remove the original power connector from the console.



You can remove it using a hot air rework station (don't forget to protect nearby areas, especially the headphone connector, with Kapton tape), or you can use a soldering iron and a desoldering pump.

Once removed, make sure there are no solder residues in any of the holes. Clean the board with isopropyl alcohol.



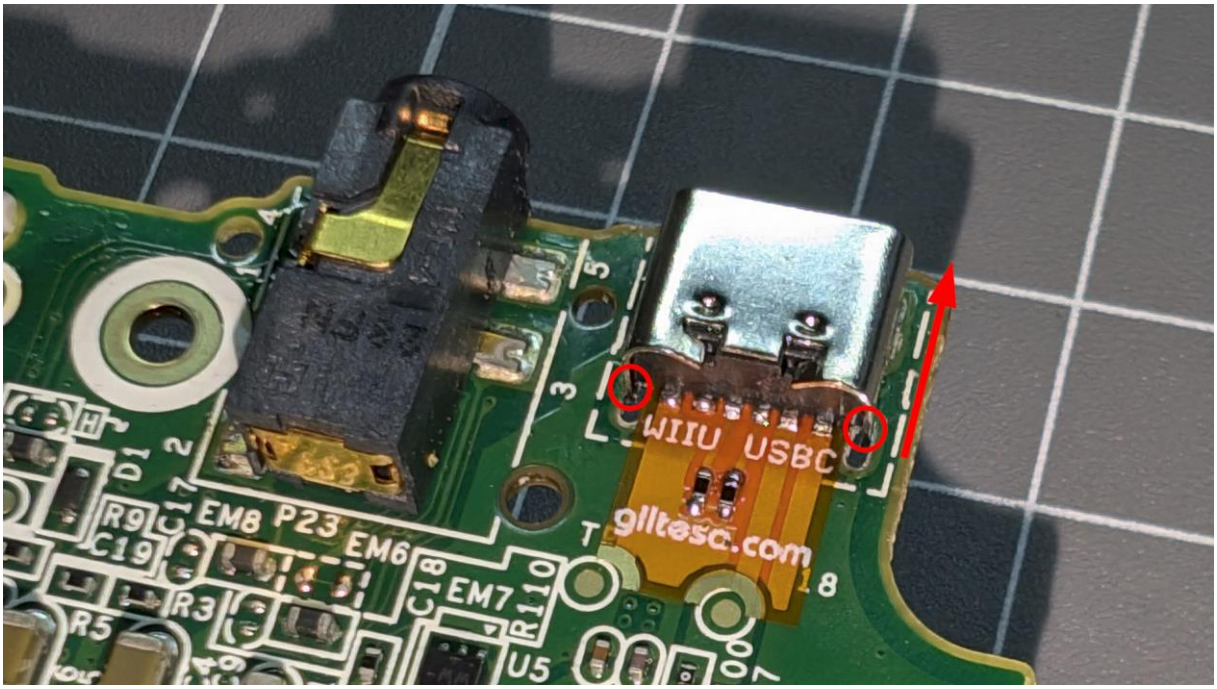
INSTALLATION STEPS

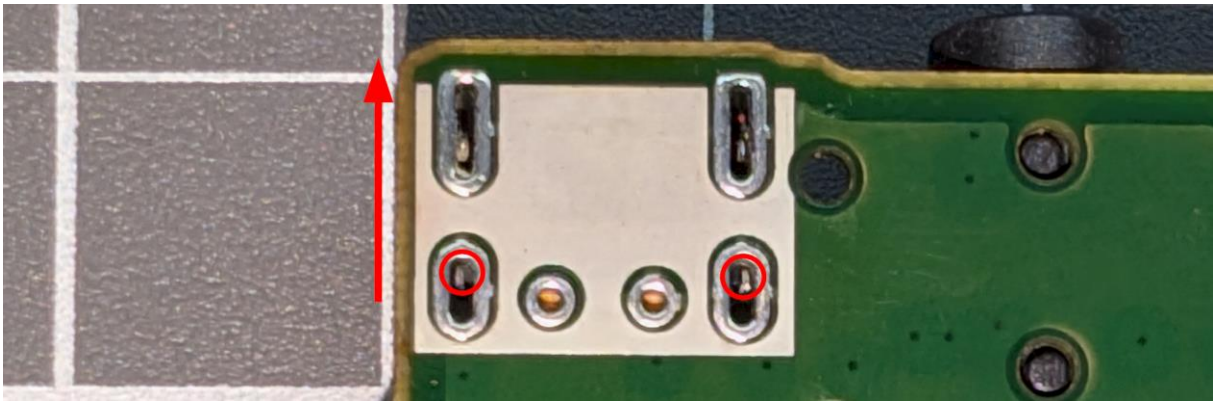
It's time to install the USB-C board.

1. BOARD ASSEMBLY

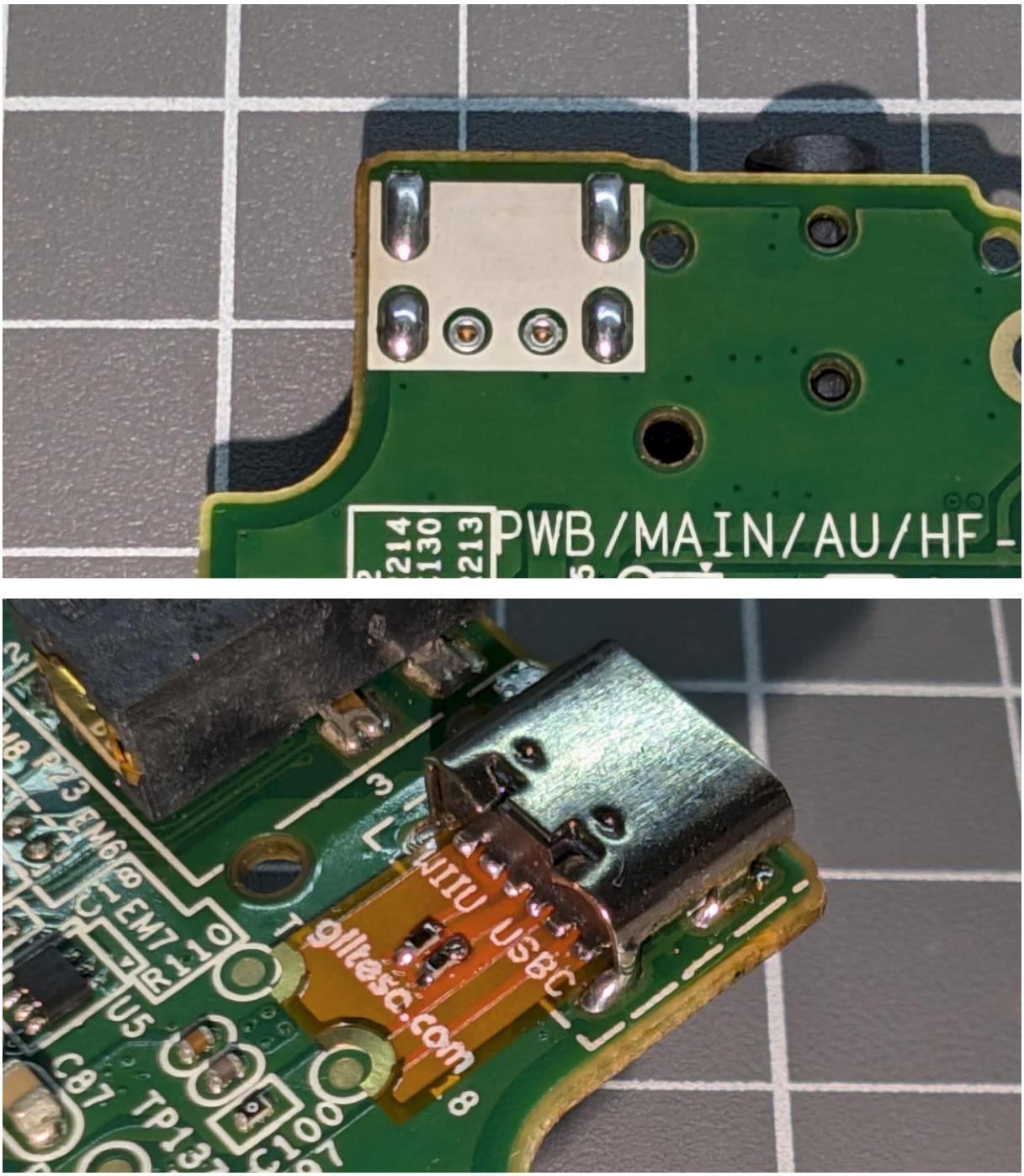
Place the new connector where the original connector was located. You will see that the four pins of the connector align with the four holes on the mainboard.

Make sure the connector is completely flat and positioned as far outward as possible (the holes are longer than necessary, so there is a small vertical play).



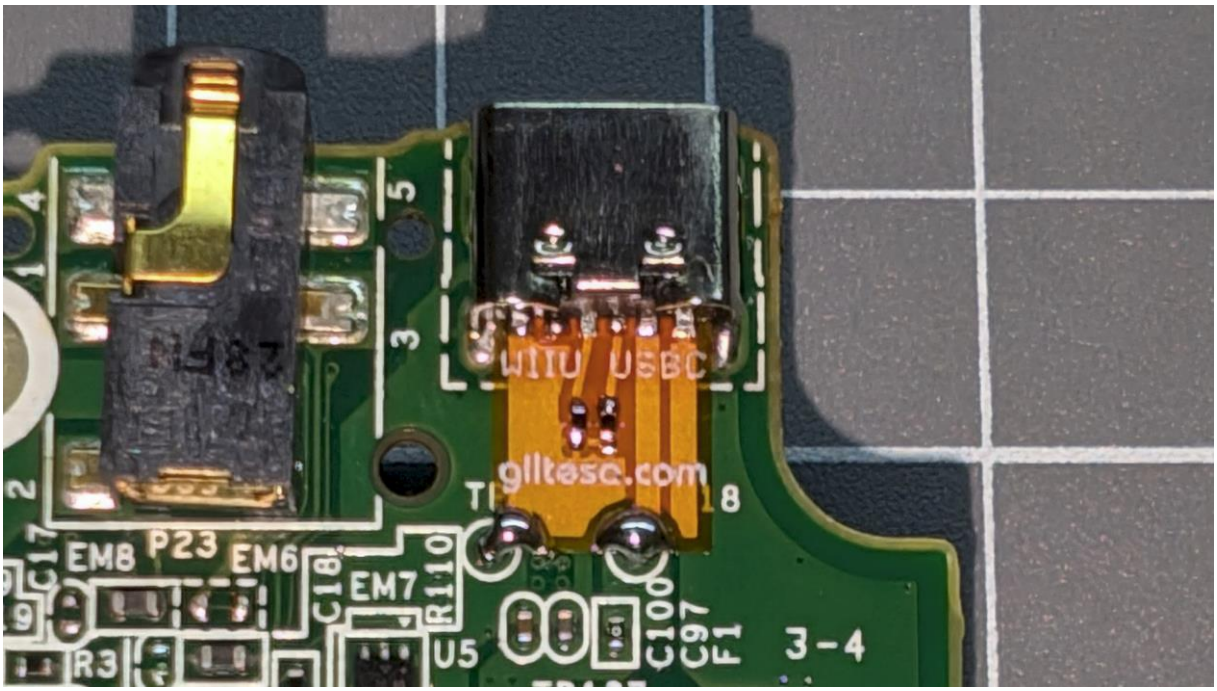


Once the connector is in position, solder one of the pins. If everything looks good, solder the rest of the pins.



Version 1.0 of the board, hand-soldered.

Finally, connect the two pads of the flexible circuit with the pads on the mainboard.



2. *DONE!*

The installation is complete. Follow the steps in reverse to close your GamePad and enjoy it powered by USB-C!

FREQUENTLY ASKED QUESTIONS - FAQ

WHAT CHARGER CAN BE USED?

You can use any standard charger for mobile phones, computers, etc., with 5V 1A. It doesn't need to be a Power Delivery charger since this feature is not used. Of course, if you want to use a Power Delivery charger, there's no problem or risk.

Technical data for curious minds:

Power Delivery chargers can supply a wide range of voltages: 5V, 9V, 12V, 15V, and 20V. However, for this to happen, the device must communicate with the charger to explicitly request the desired voltage. Without this communication, the charger will never supply more than 5V. That's one of the advantages of USB-C, as it can be used with both old and modern devices.