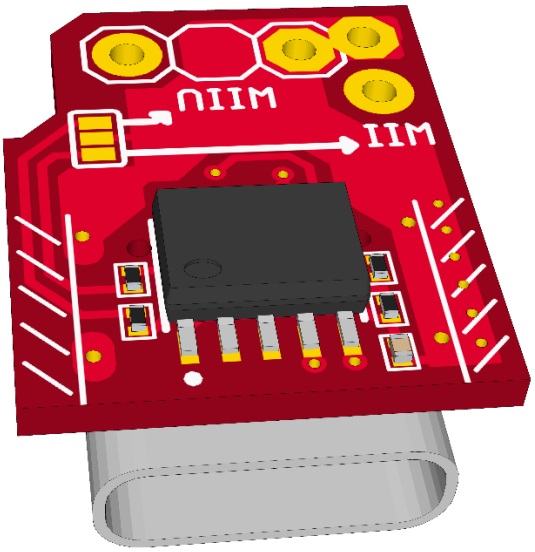
USB-C KIT FOR

NINTENDO WII

WII MINI

WII U



PRODUCT

HTTPS://SHOP.GILTESA.COM/PRODUCT/NINTENDO-WII-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: USB-C Kit** is a board that allows to replace the original power connector for a modern and standard USB-C.

If your original connector or power supply is too old or damaged and you need a new one, or **if you would like to power your Nintendo Wii with a standard USB-C PD charger**, such as the charger for your phone or laptop, you can do so with this kit.

This board is compatible with the following three models:

- Nintendo Wii
- Nintendo Wii Mini
- Nintendo Wii U

HOW DOES IT WORK?

The **USB-C Power Delivery technology (USB-C PD)** allows for communication between the device and the power supply(charger), enabling the negotiation of the voltage to be supplied through the USB-C cable. In this case, the microchip included on this board is configured to request 12v or 15v(1), signaling to the charger that it requires 12v or 15v(1) to run on. If the charger is compatible, it will supply the requested voltage. If it's not compatible, nothing will happen, and the Nintendo Wii won't power on.

(1) The circuit has a selection jumper; if you solder it in one position, the circuit will require 12v, and if you solder it in the other position, it will require 15v from the power supply.

FEATURES

- Similar size to the original connector.
- **External power** through **USB-C.**

INCLUDED

- 1 USB-C board.
- 1 right-angle 2-pin header for Wii and Wii Mini
- 1 straight-angle 2-pin header for Wii U.
- 1 Plastic cap for the USB-C board.

RECOMMENDED / REQUIRED [NOT INCLUDED]

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

NOTES

The Nintendo **Wii and Wii Mini run on 12V and 3.5A**, while the Nintendo **Wii U runs on 15V and 5A**.

Make sure your power supply with Power Delivery (PD) can provide the necessary voltage for your console model. Also, ensure that the supplied current is equal to or as close as possible to the amount required by the console.

The console's disc reader consumes a significant amount of current, around 1.9A. So, if you don't plan to use it for loading games, this can reduce the power requirements and allow you to use a power supply with lower specifications.

All tests were conducted with the same power supply used for the GameCube kit, providing 12V or 15V and 3A:

- Ikea SJÖSS 45W 12V 3A, 13€

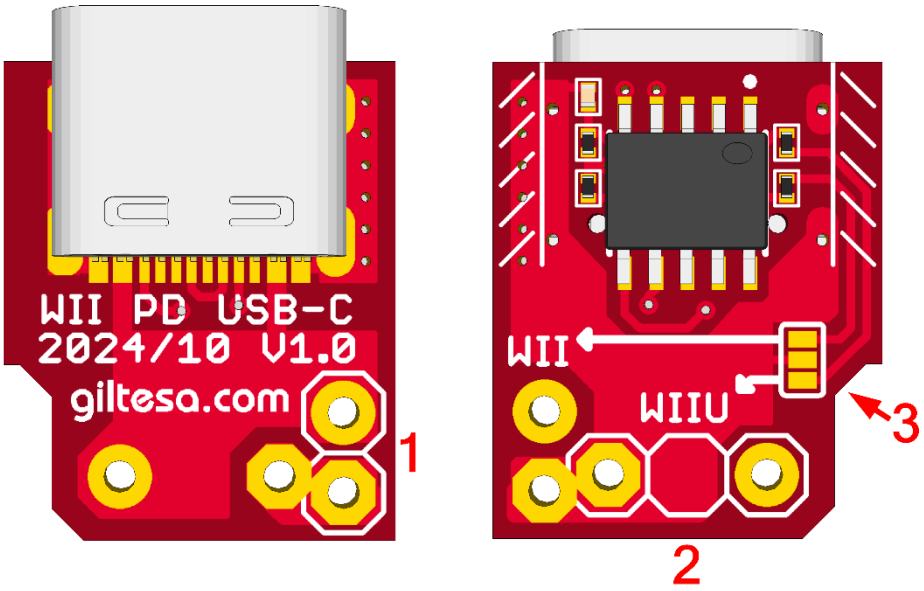
You will also need a **USB-C to USB-C cable for PD**. If you don't have one, these will work:

- Ikea SITTBRUNN USB-C to USB-C 1m
- Ikea LILLHULT USB-C to USB-C 1.5 m

BOARD DETAILS

This small board comes almost fully assembled, except for the connector that will link it to the console. Since it is compatible with multiple models, you will need to select the appropriate connector for your console.

Similarly, the board includes an solder jumper that must be manually soldered to indicate the type of console you will be using. This sets the correct supply voltage.



1. 2-pin 90º angled connector for Wii and Wii Mini.
2. 2-pin connector for Wii U.
3. Solder jumper, **by default, configured for Wii and Wii Mini** (12V).

INSTALLATION STEPS

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

PRE INSTALLATION STEPS

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

1. DISASSEMBLY THE CONSOLE

The disassembly steps for the Wii, Wii Mini, and Wii U vary greatly depending on each model.

Follow the iFixit disassembly guide for your specific model:

- Wii
- Wii Mini
- Wii U

It is necessary to completely disassemble the console to access the power connector. Therefore, it is recommended to group and even label the different parts you are removing from the console. This way, to reassemble it, you only need to follow the reverse steps.

2. REMOVE UNNECESSARY PARTS

In all three console models, the only part that needs to be removed is the power connector. In the Wii and Wii Mini, the connector is black and soldered vertically. In the case of the Wii U, the connector is yellow and soldered horizontally.

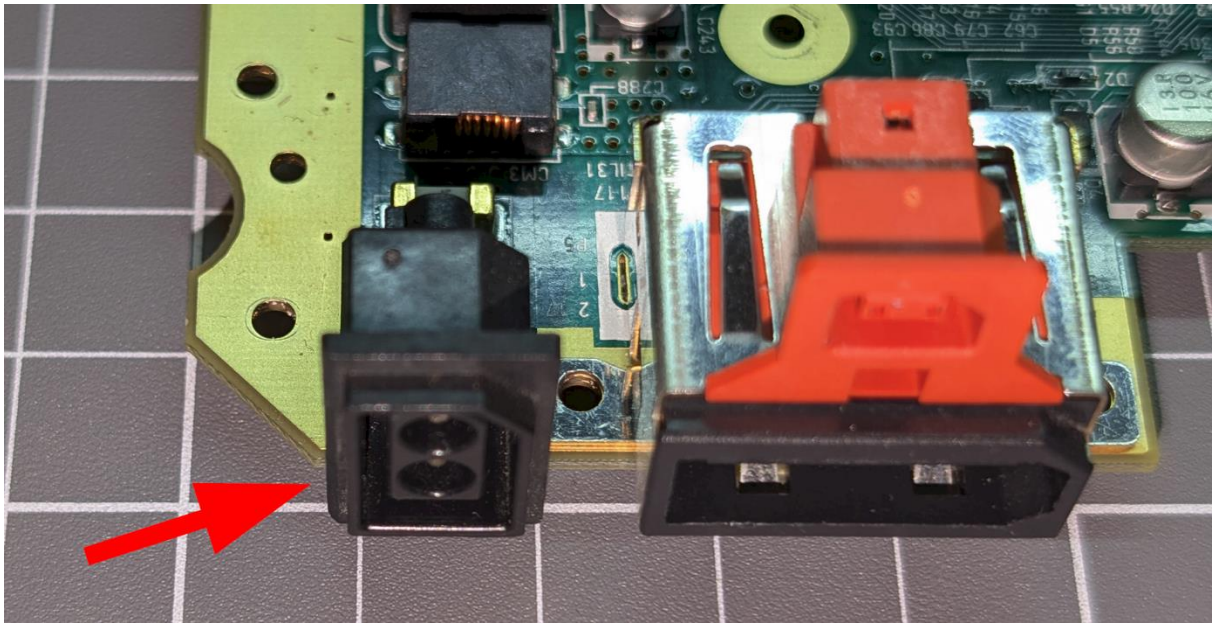


*Photo of the **Wii** power connector*

Regardless of the console, it is very easy to remove. Simply apply plenty of solder so that the soldering iron tip makes contact with both legs of the connector at the same time. Then, pull the connector with your hand, and it will come out easily.

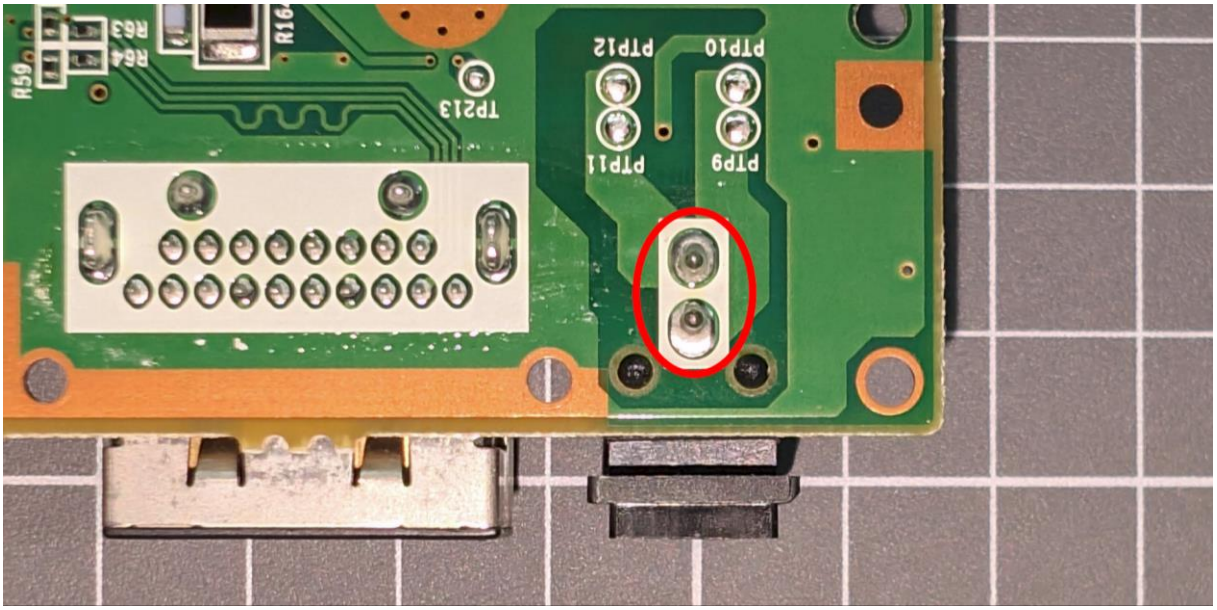


*Photo of the underside of the **Wii Mini** power connector*

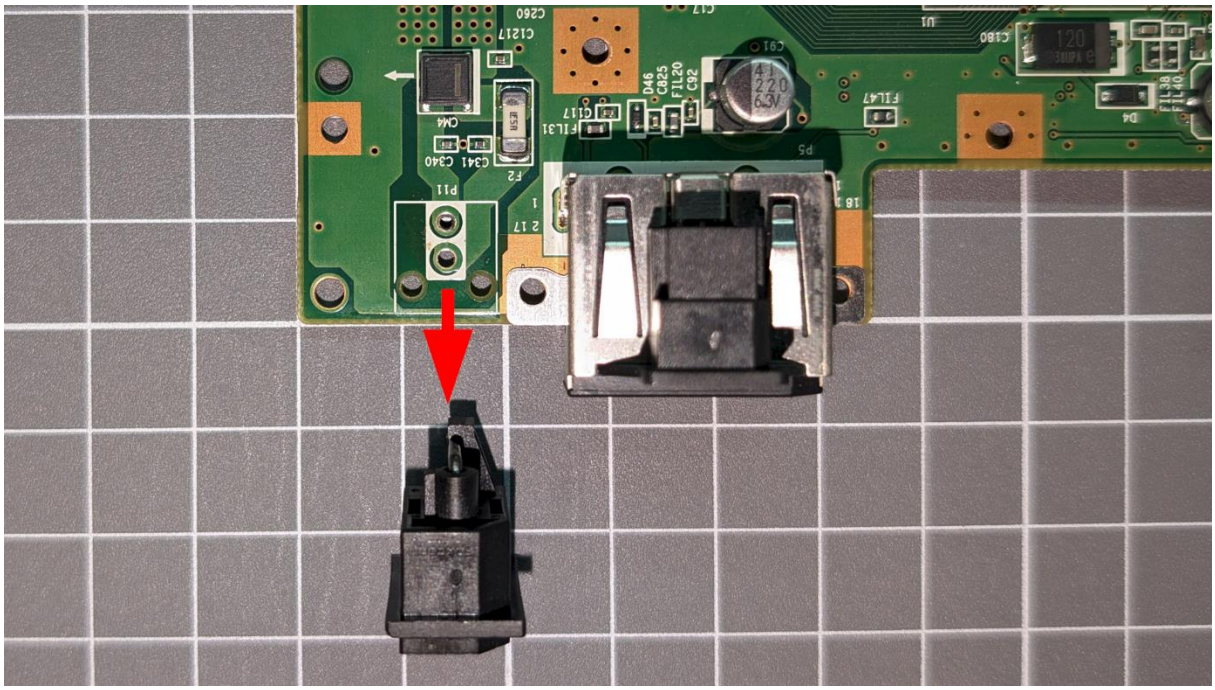


*Photo of the desoldered connector from the **Wii Mini***

Afterward, remove the excess solder to leave the holes clean.

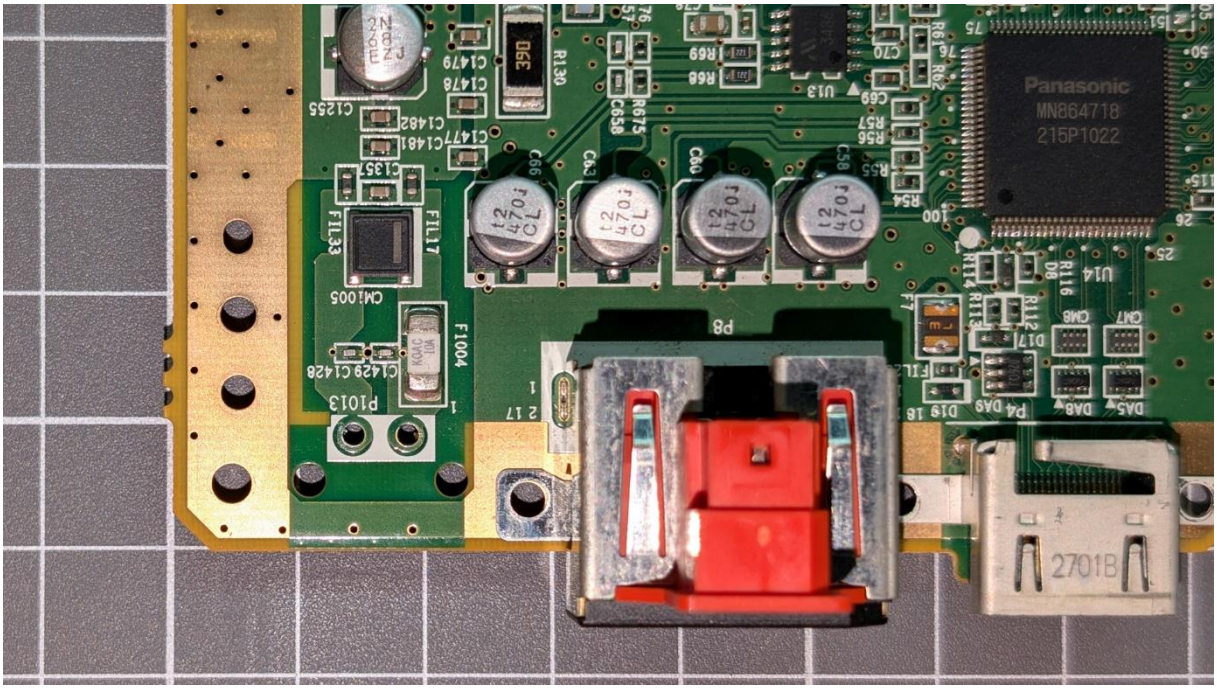


*Photo of the **Wii U** motherboard without the connector*

INSTALLATION STEPS

1. BOARD ASSEMBLY

Now it's time to finish assembling the USB-C board.

SOLDER THE SOLER JUMPER DEPENDING ON YOUR CONSOLE MODEL

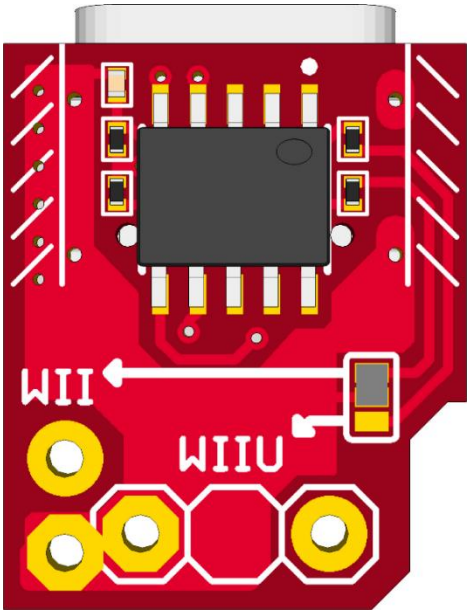
On the underside of the board, where the chip is also located, you will see a solder jumper.

Depending on whether your console is a Wii / Wii Mini or a Wii U, you will need to solder this jumper in one position or another.

By default, this jumper is already soldered/configured for the Wii and Wii Mini, so if your console is one of these two, you can proceed to the next step.

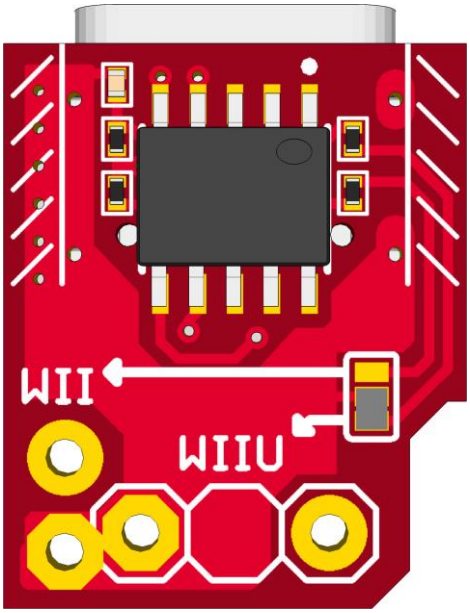
Wii & Wii Mini

Make sure to join the center and top pads of the solder jumper for your **Wii** & **Wii Mini** console.



Wii U

Join the center and bottom pads of the solder jumper for your **Wii U** console.



NOTE: It is very important that the jumper is soldered in the correct position; otherwise, the board could supply the wrong voltage and damage the console.

SOLDER THE APPROPRIATE CONNECTOR FOR YOUR CONSOLE

You must also solder the appropriate connector to your console:

Wii & Wii Mini

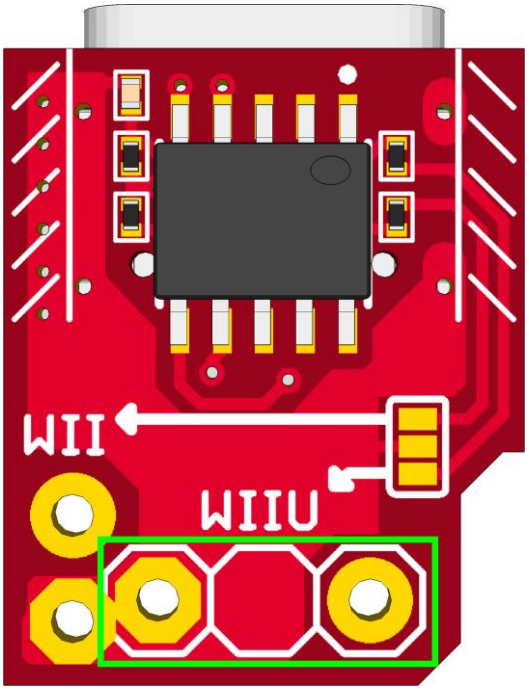
The connector with a **90º angle** is used for the **Wii** & **Wii Mini**.

Place the plastic part of the connector on this side, with the pins facing outward, then solder the two pins from the opposite side.

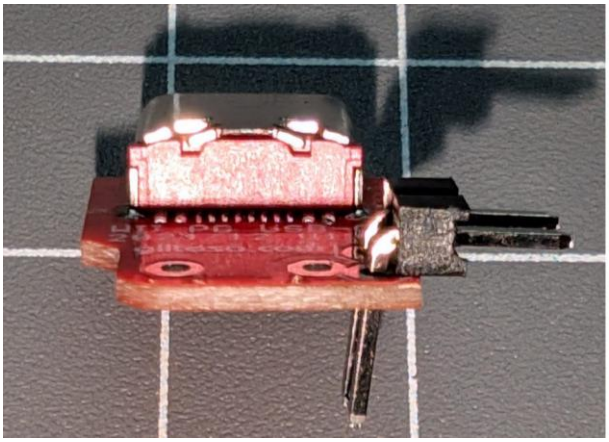
Wii U

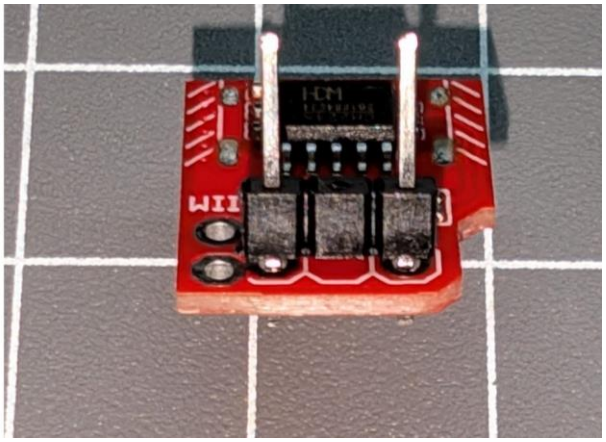
The **straight** connector is used for the **Wii U**.

Place the plastic part of the connector on this side, then solder the two pins from the opposite side.



Here you can see how the boards look once the connector has been soldered for each console.





ADJUST THE PLASTIC CAP FOR YOUR CONSOLE

Finally, it is necessary to cut the legs on the plastic cap that you won't need.

Wii & Wii Mini

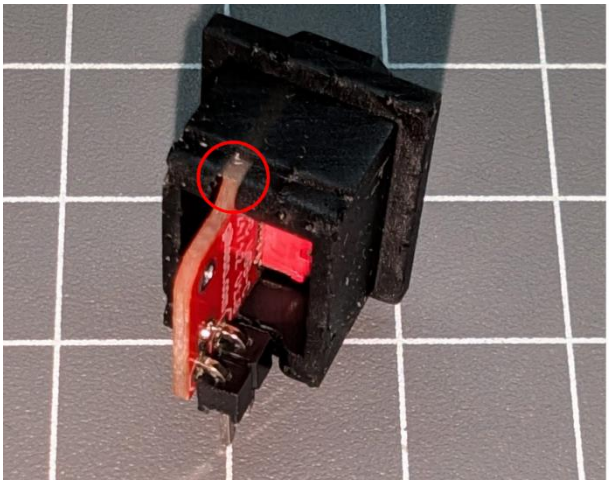
The plastic will be installed vertically, which means the horizontal **legs labeled "Wii U" should be cut**.

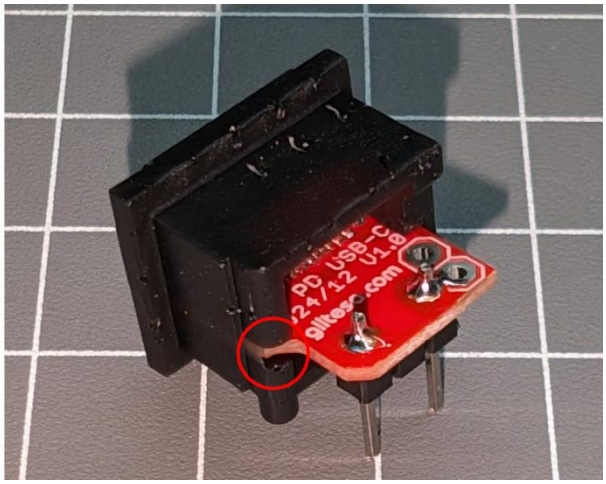
Wii U

The plastic will be installed horizontally, which means the vertical **legs labeled "Wii" should be cut.**

The plastic is strong but not very pressure-resistant. Try cutting the legs with a utility knife by making several passes as if using a knife. If you have a mini hand saw, use it for even better results.

Here you can see how the connector and plastic cap would look fully assembled and ready for installation.



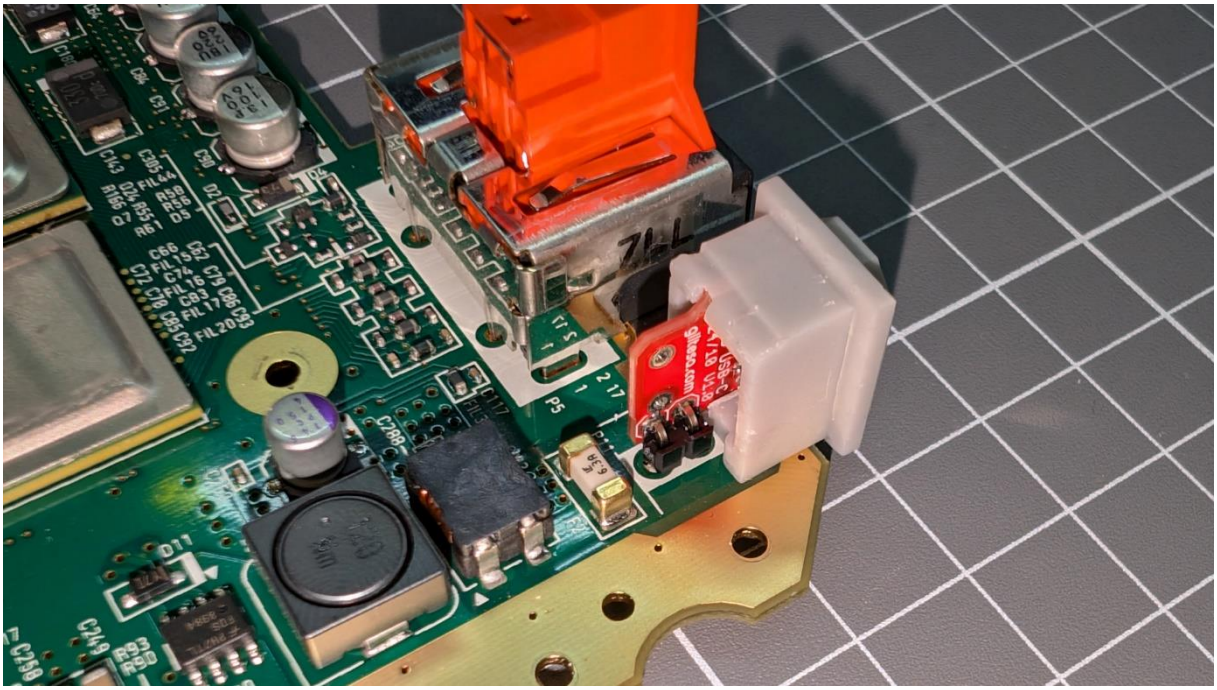


NOTE: It's recommended to add a drop of instant glue in the area marked with a circle to join both parts.

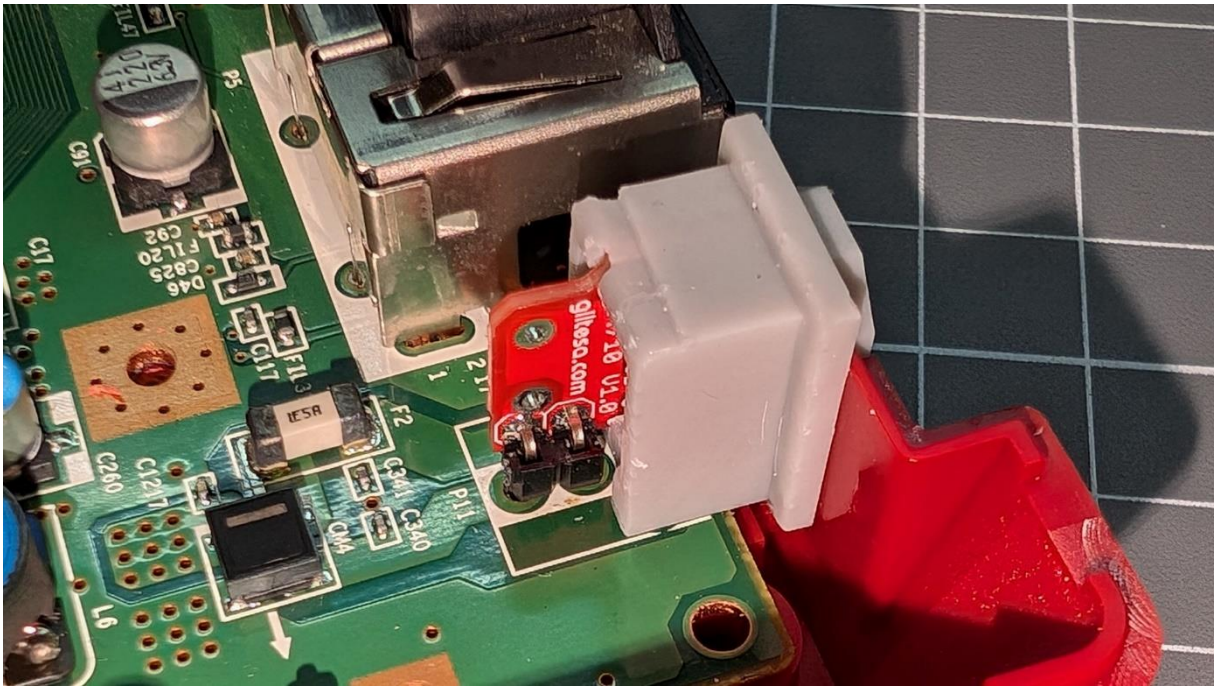
2. BOARD INSTALLATION

Place the new connector where the original connector of the console was. Then, solder its two pins and trim the excess with a cutting pliers.

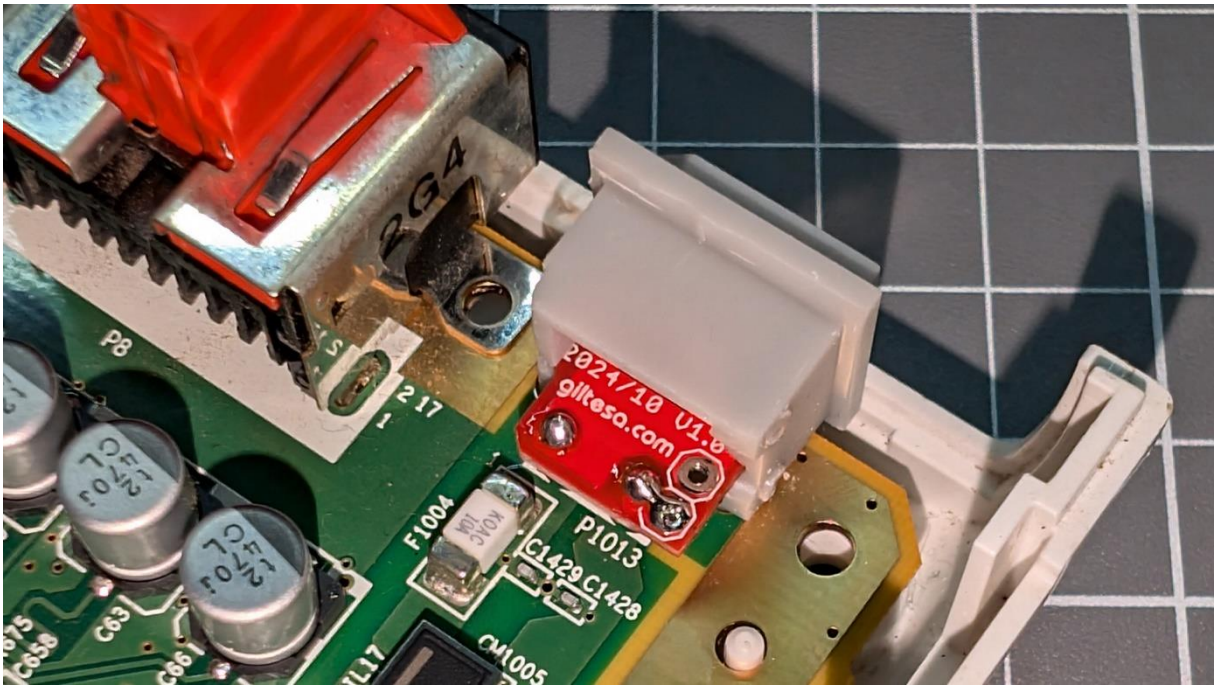
This is how it would look on each console:



Nintendo Wii



Nintendo Wii Mini

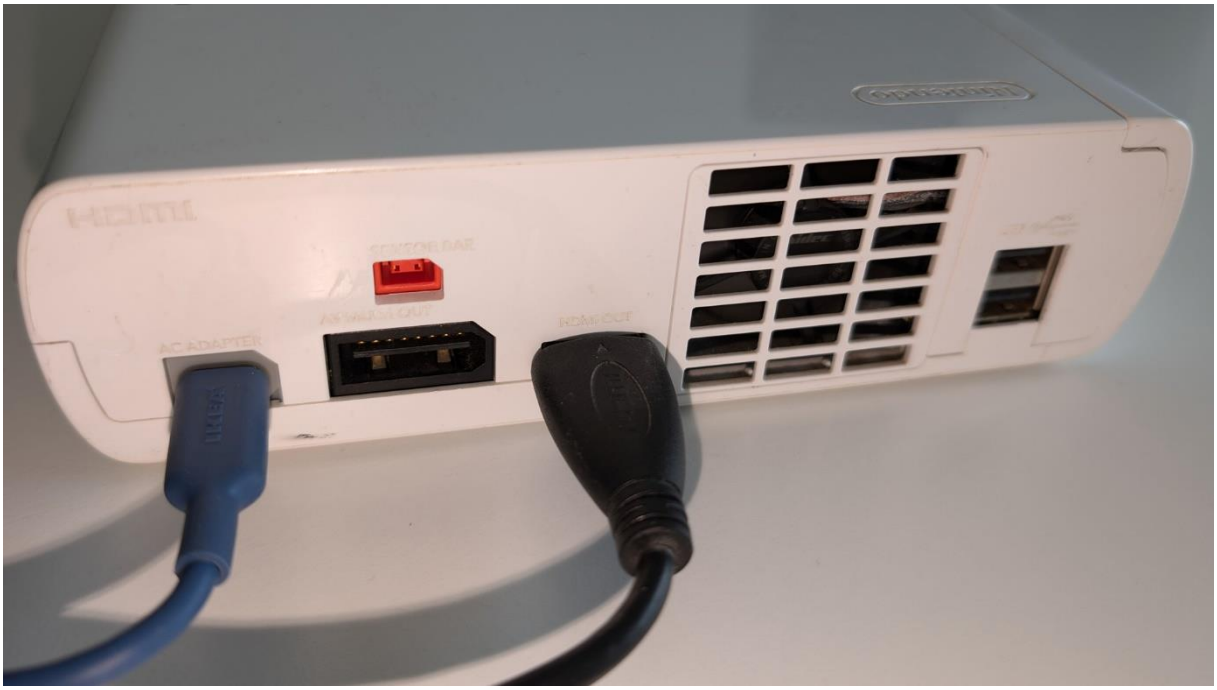


Nintendo Wii U

After this, you can fully reassemble the console; the installation is complete.

3. *DONE!*

The installation is complete. You can now enjoy your Nintendo Wii / Wii Mini / Wii U powered by USB-C!



FREQUENTLY ASKED QUESTIONS - FAQ

1. *THE WII DOESN'T TURN ON.*

   Make sure you are using a USB-C power supply that can provide an output voltage of 12V (for Wii / Wii Mini) or 15V (for Wii U) and an electric current of at least 3A.

2. *CAN THIS KIT BE USED WITH OTHER MODS?*

   Of course, as long as you use the appropriate power supply, then you can use any other mod or accessory you would normally use with the original power supply.