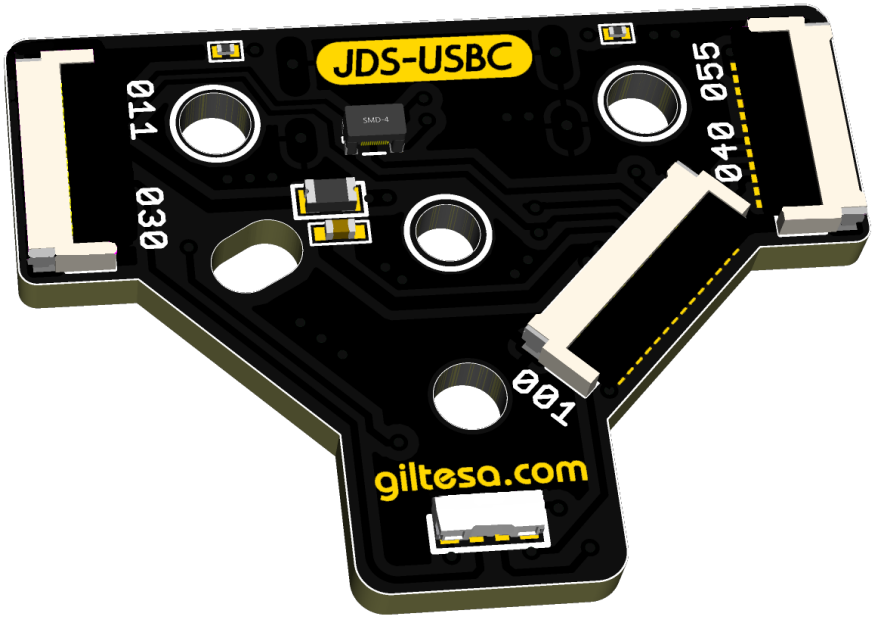
USB-C KIT FOR

PLAYSTATION 4 DUALSHOCK CONTROLLER



PRODUCT

HTTPS://SHOP.GILTESA.COM/PRODUCT/PLAYSTATION-4-DUALSHOCK-CONTROLLER-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.

INDEX

DESCRIPTION 4

FEATURES 4

INCLUDED 5

RECOMMENDED / REQUIRED [NOT INCLUDED] 5

BOARD DETAILS 6

TEST THE BOARD! 7

INSTALLATION STEPS 8

PRE INSTALLATION STEPS 8

1. CHECK THAT YOUR CONTROLLER IS CURRENTLY CHARGING PROPERLY 8
2. DISASSEMBLY THE GAMEPAD 9
3. REMOVE UNNECESSARY PARTS 11

INSTALLATION STEPS 12

1. CUTTING THE PLASTIC SHELL 12
2. BOARD ASSEMBLY 18
3. CONNECT THE CABLE TO THE MAINBOARD 22
4. DONE! 23

FREQUENTLY ASKED QUESTIONS - FAQ 24

DESCRIPTION

The PlayStation 4 DualShock USB-C Kit is a custom board that lets you upgrade your controller by replacing the original MicroUSB connector with a modern, universal USB-C connector.

Replace your old or damaged MicroUSB and upgrade to modern convenience. This USB-C kit lets you charge your controller using any standard USB-C charger, including those for your smartphone or laptop.

This board is compatible with all revisions of PS4 controllers:

- PlayStation 4 DualShock 1st Gen (2013-2016)
  - JDS-001
  - JDS-011
  - JDS-030
- PlayStation 4 DualShock 2nd Gen (2016-2021)
  - JDS-040
  - JDS-050
  - JDS-055

FEATURES

- Compatible with all versions of the PS4 controller.
- No soldering required.
- Includes longer new flexible flat cables for even easier installation.
- Charging your PS4 controller 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
- USB data support, like the original MicroUSB connector.

INCLUDED

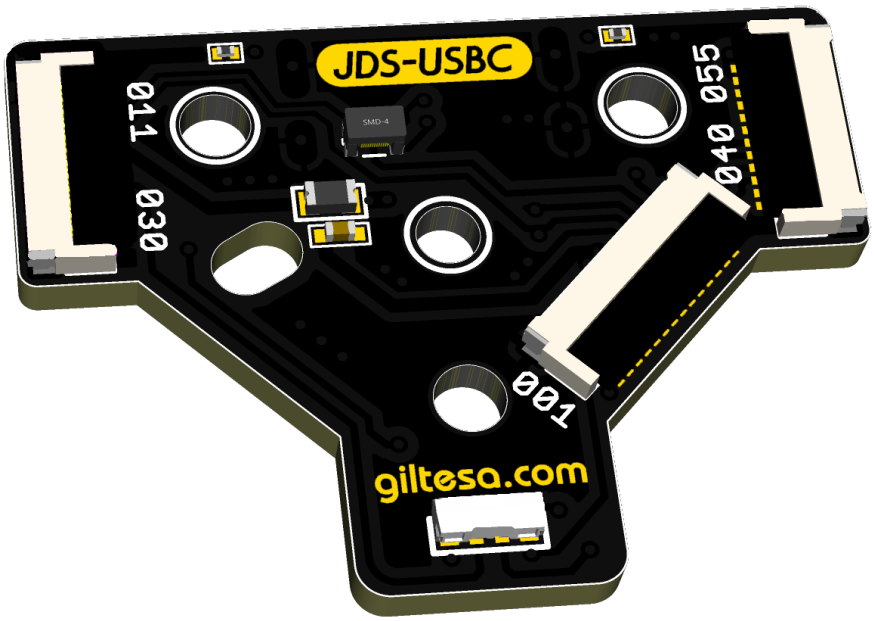
- 1 USB-C board
- 1 Flexible Flat Cable 12P 10CM
- 1 Flexible Flat Cable 14P 15CM

RECOMMENDED / REQUIRED [NOT INCLUDED]

- Phillips screwdriver
- Plastic opening tools
- Precision Diamond File Set
- Cutter

BOARD DETAILS

This small board has a total of 4 connectors:

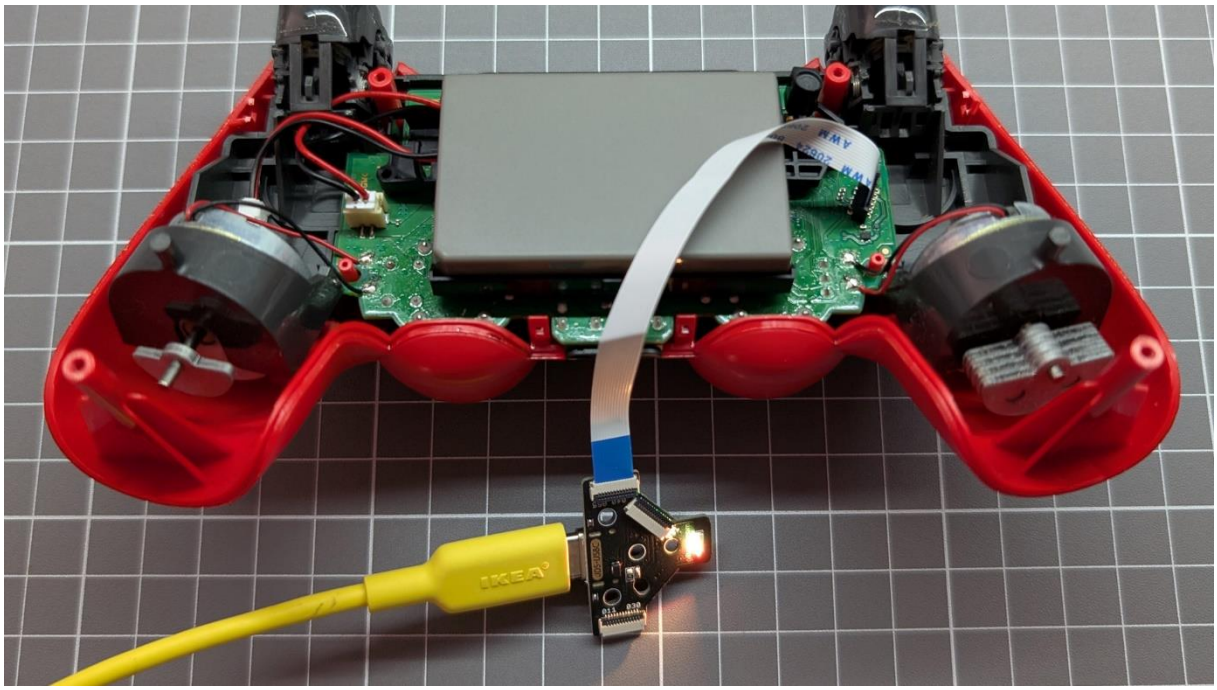


- USB-C connector on the bottom side of the board.
- 14-pin flat connector at the lower right for 001 controller.
- 12-pin flat connector on the left for 011 and 030 controllers.
- 12-pin flat connector on the right for 040, 050, and 055 controllers.

TEST THE BOARD!

Before cutting the plastic shell, you should test the board. If it doesn't work, contact me for a replacement. *All boards are fully tested before shipping, but they may get damaged in transit despite our best efforts to package them securely.* **If it works, go ahead with the installation**.

You will need to open the controller, as explained in the following pages, connect the board to the mainboard using the included cable. With the controller partially opened, check that it connects to the computer and works normally.



If desired, you can use this page to test all the buttons, although the board only handles power and data transfer, so if the PC recognizes the controller, that's already confirmation that the board is working as it should.

https://hardwaretester.com/gamepad

If any button doesn't work or behaves incorrectly, that's something you'll need to fix on your own. Usually, it's the joysticks that fail, so it's a good chance to replace them with magnetic ones!

INSTALLATION STEPS

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

PRE INSTALLATION STEPS

Before the installation, your PS4 Controller may need some extra steps to have it ready for the kit.

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

1. CHECK THAT YOUR CONTROLLER IS CURRENTLY CHARGING PROPERLY

To avoid any surprises, first check that your controller works and charges the battery correctly using a MicroUSB cable.

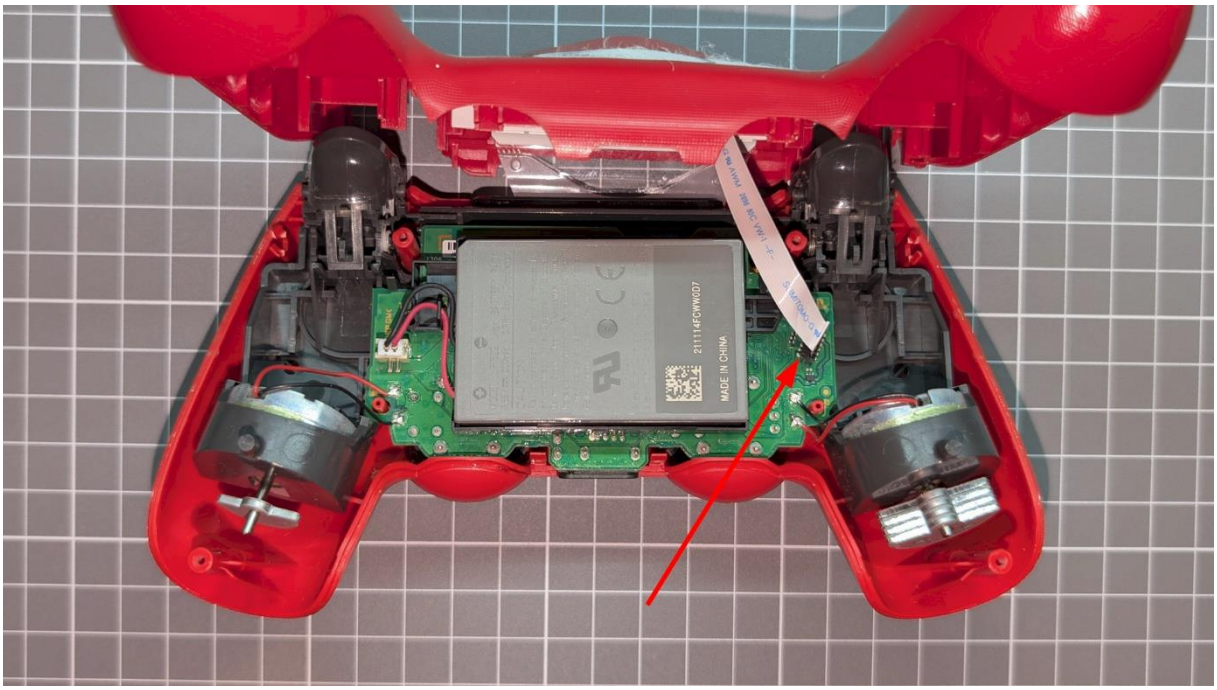
If you are replacing the connector because it is broken, you won't be able to perform this test. Proceed with the installation.

2. DISASSEMBLY THE GAMEPAD

First, remove the 4 screws that hold the two halves of the shell together.

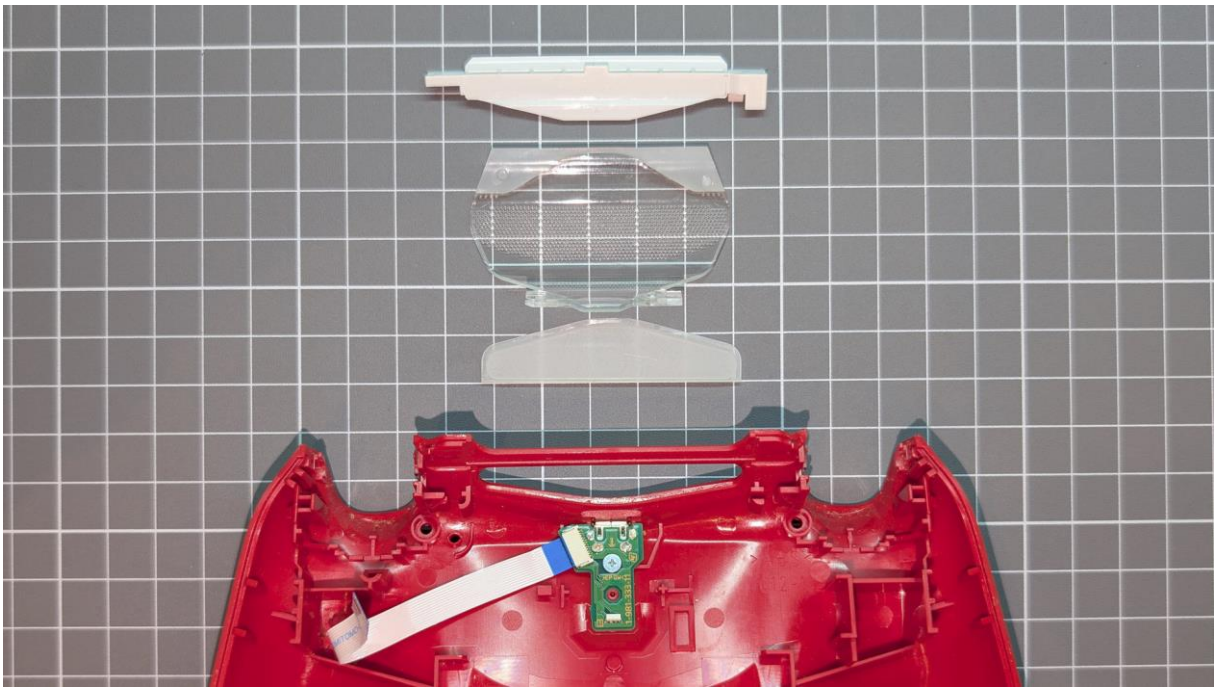
Then use plastic opening tools to separate the two halves of the shell. Do it carefully to avoid breaking the clips that hold them together, although if they do break, which is quite common, it's not a problem. The screws actually do all the work when it comes to keeping the shell closed.

When separating the two halves of the shell, do it slowly, both are connected by a flat cable. Disconnect the cable on the mainboard side.



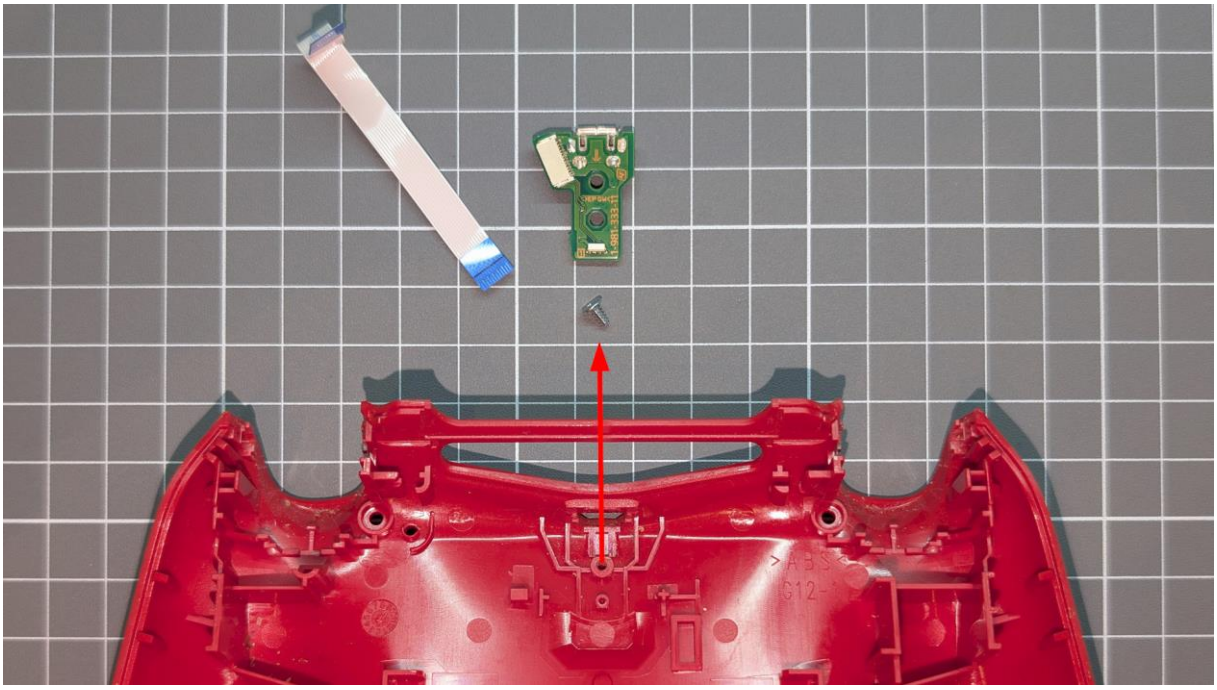
Since everything is done on the back shell, this is a very easy and convenient mod.

First, remove all the plastic parts. Depending on your controller version, there might be some screws holding them in place, although in newer versions like the one in the photo, the plastic parts are just press-fitted.



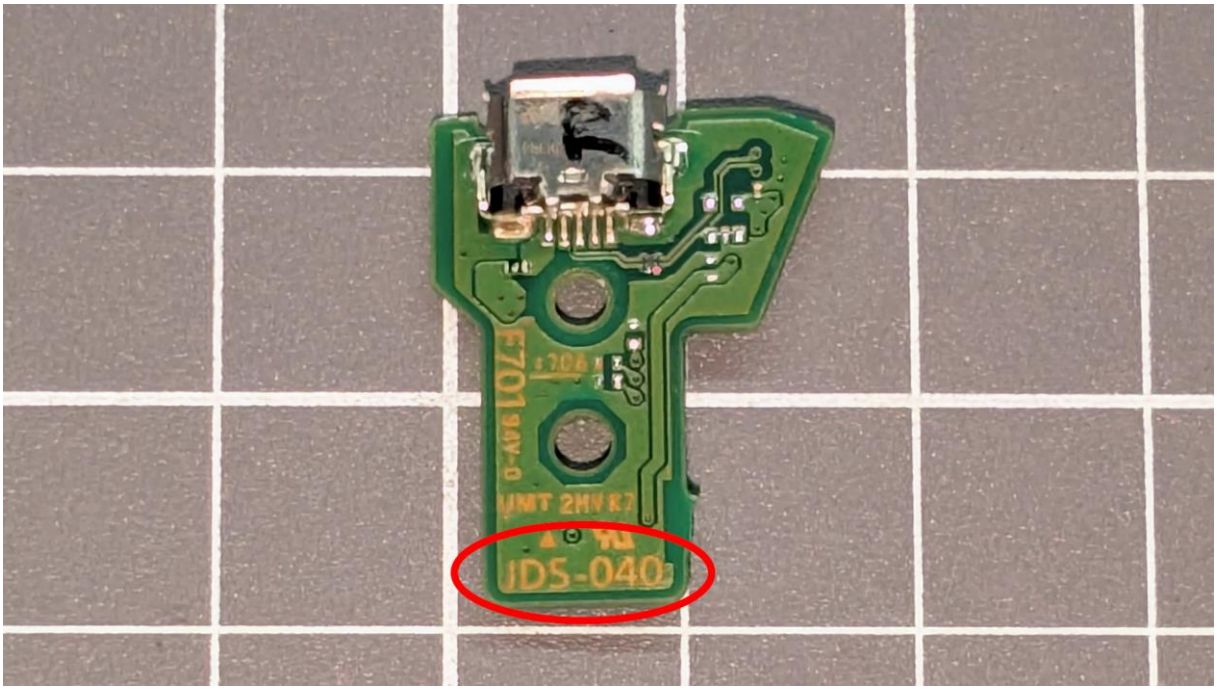
3. REMOVE UNNECESSARY PARTS

Now remove the MicroUSB board. You'll need to take out one or two screws to do this, depending on your controller version.



Before putting the original board away in a drawer, or throwing it out, take a moment to **check the version of your controller**. In this case, it's a JDS-040.

This is important, as you'll need to connect the flex cable to the matching connector on the new USB-C board.



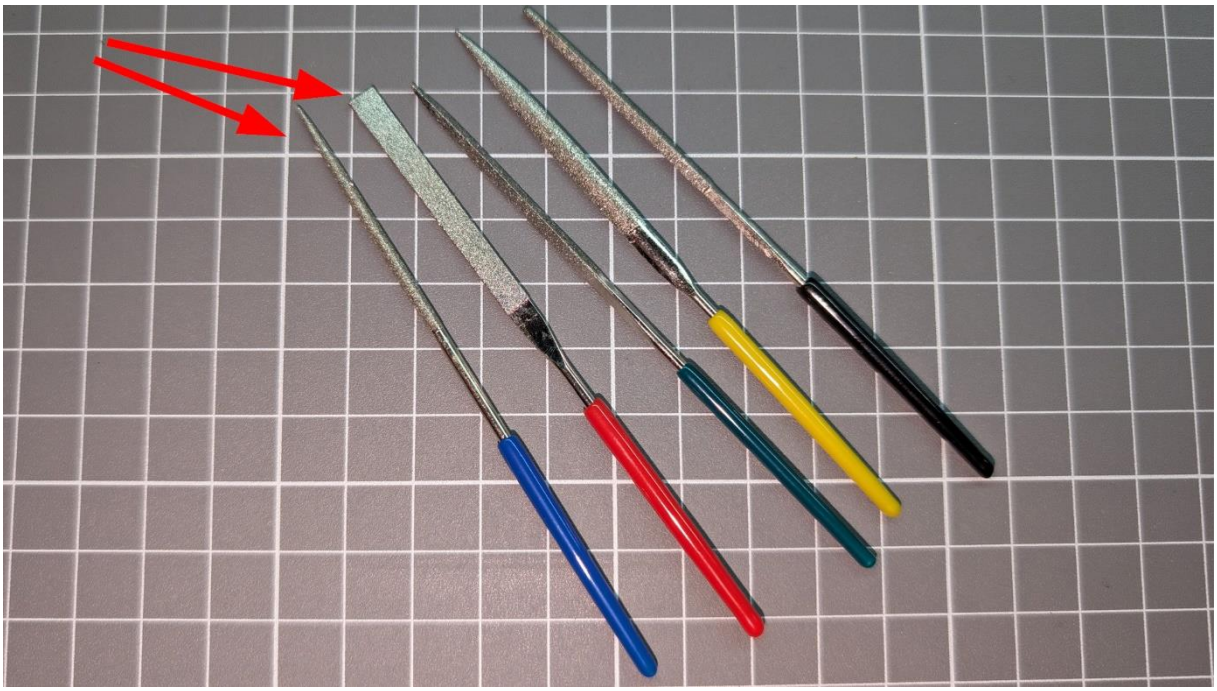
INSTALLATION STEPS

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

1. CUTTING THE PLASTIC SHELL

The MicroUSB connector is slightly smaller than USB-C. This means you'll need to slightly trim the case, both the opening where the USB connects and the internal area, to make room for the new connector.

You'll need a set of precision diamond files, specifically one round and one flat.



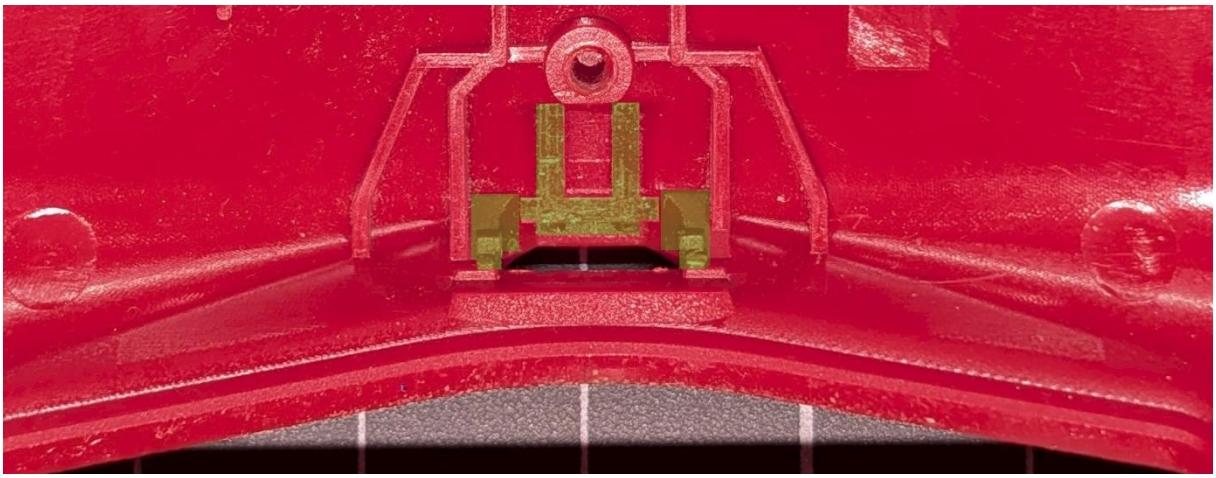
Trimming the case involves three steps. The first one is optional depending on your controller version. The other two are required for all versions.

CUT PLASTIC POST ONLY FOR JDS-001 AND JDS-011

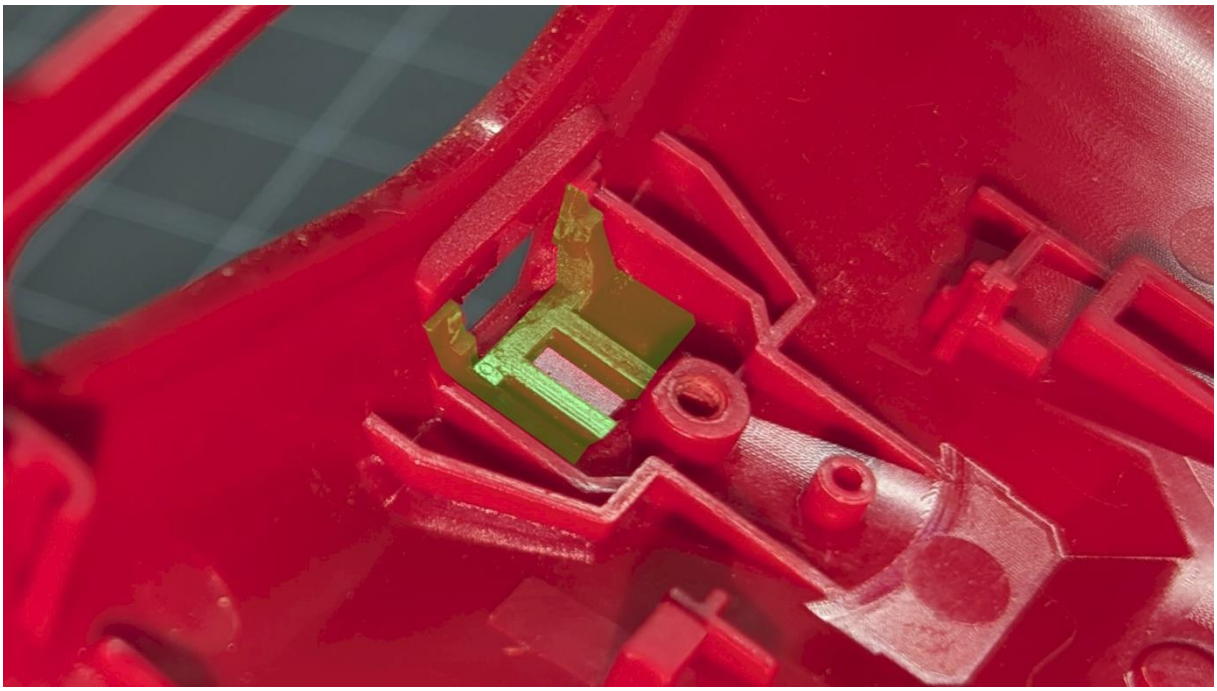
If your controller is a JDS-001 or JDS-011, you'll need to cut this plastic post. If you have any other version, skip to the next step.

TRIM THE BASE OF THE SHELL.

You need to remove all these plastic bumps that interfere with the new connector:



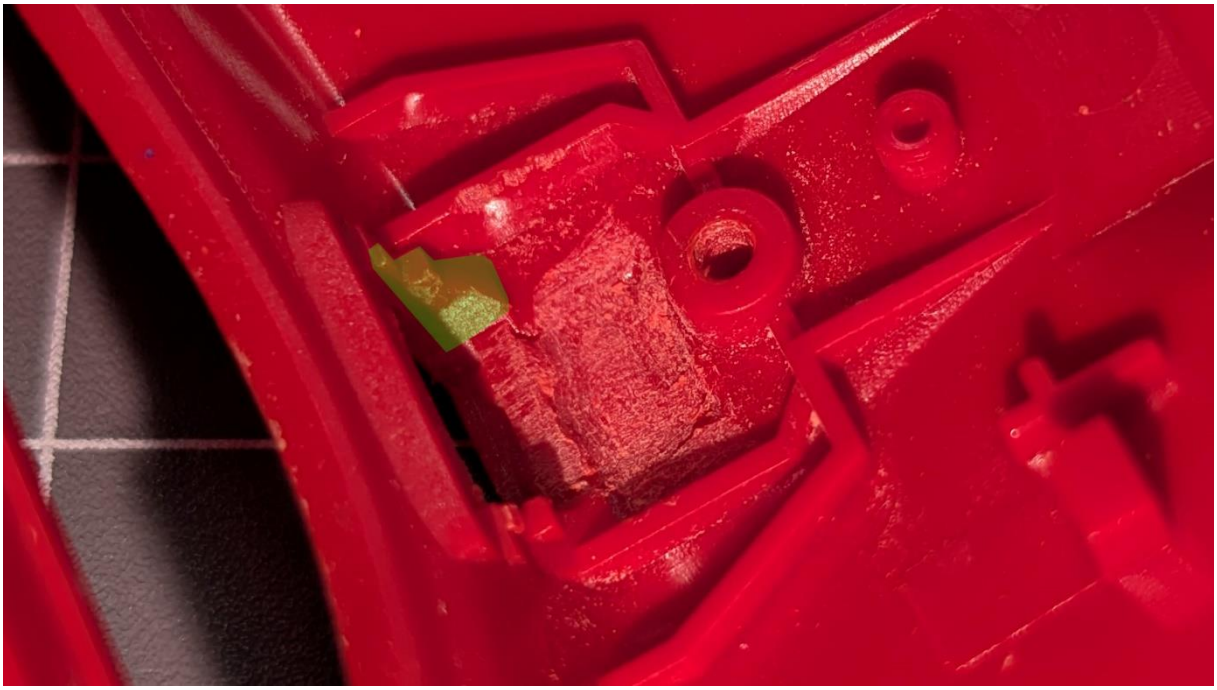
In this other image, taken from a different angle, you can see the area to remove more clearly.

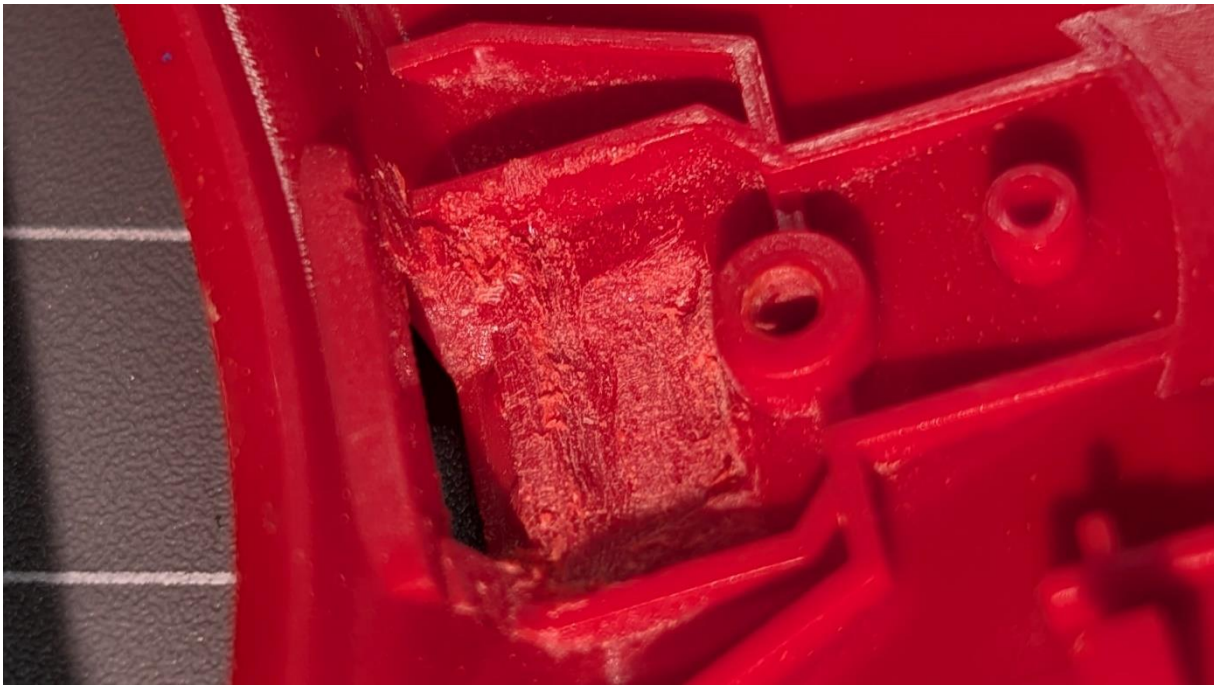


Use the tip of the flat file and rub the area repeatedly until it is completely smooth.

Smoothing the surface takes about 5 minutes of work. Once you reach the base, you'll notice it starts to get scratched or slightly worn, that's enough.

Next, use a craft knife to cut the two internal pillars. In the next photo only one is marked, but both side pillars need to be trimmed.





After finishing with the side pillars, move on to enlarging the hole for the USB-C.

TRIM THE HOLE FOR THE USB-C

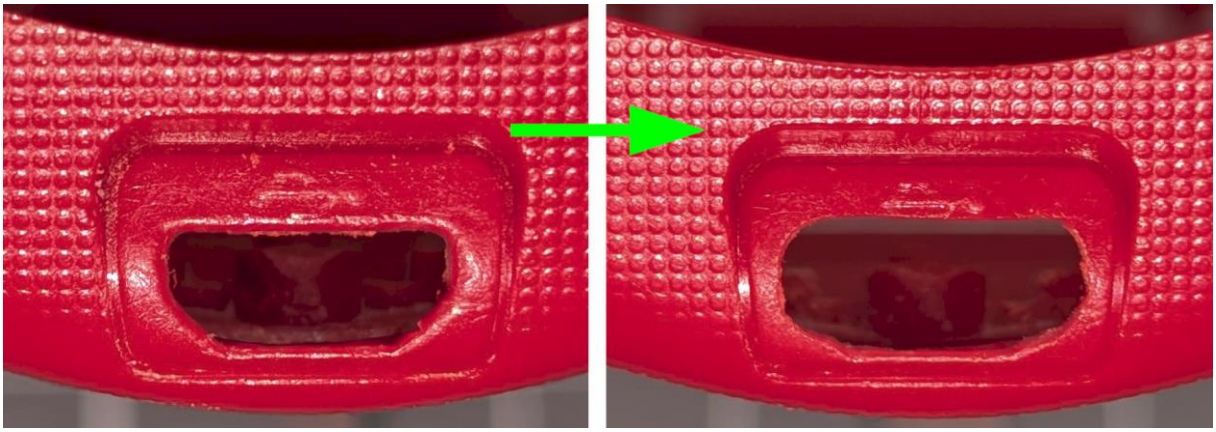
The USB-C hole needs to be enlarged to fit the new connector. In the next image, you can see that it should be trimmed slightly around the USB logo area and on both sides. There's no need to trim the bottom side, except for rounding off the corners.

First, trim the base edge, do not confuse this with the USB hole! It needs to be made flat and level with the internal plastic you already filed in the previous step.

You can use a file or a craft knife to remove it, but be very careful. We don't want to enlarge the hole on the bottom side.

Now continue with the sides and the top. Trim the plastic very little by little. When you're close to finishing, try fitting the USB-C board in place. If it still doesn't fit properly, file the hole a bit more.

In this image, you can see how it looked before and how it looks after.

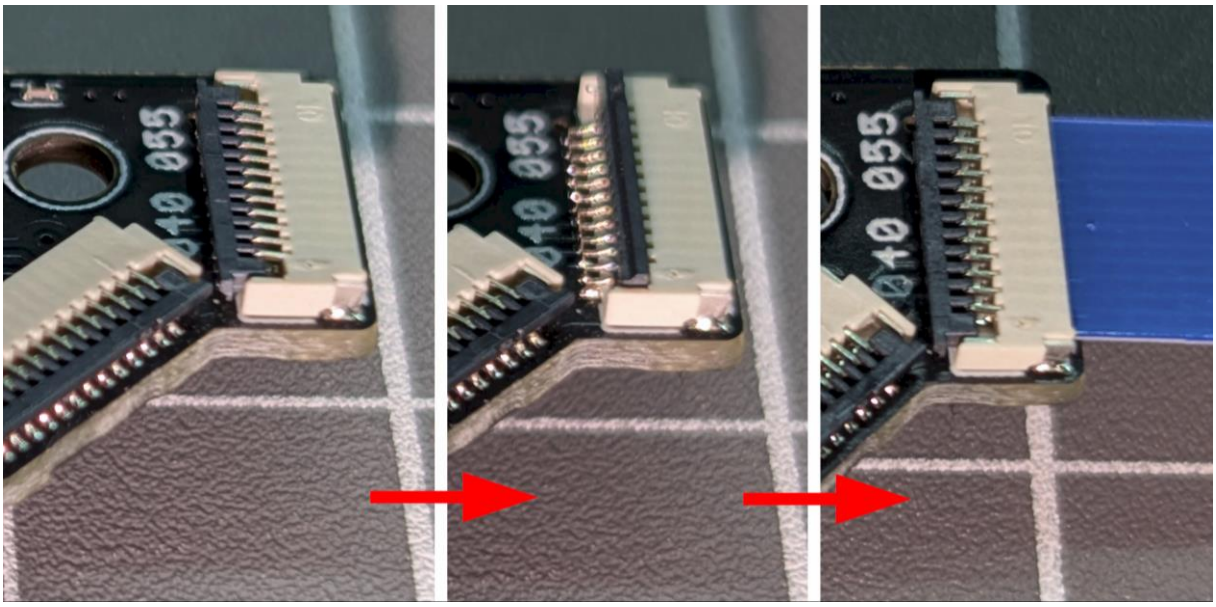


And in this last image, you can see how the board fits once it's in place.

2. BOARD ASSEMBLY

Now that the case has been trimmed, the USB-C board can be placed in position.

Before getting started, here's a brief explanation about the board's flat connectors. When the black **tab is horizontal, the connector is closed**. You need to carefully lift it until it's **vertical, which opens the connector** and allows you to insert the flat cable. After connecting the cable, close the tab to lock it in place, the cable will then stay firmly secured.

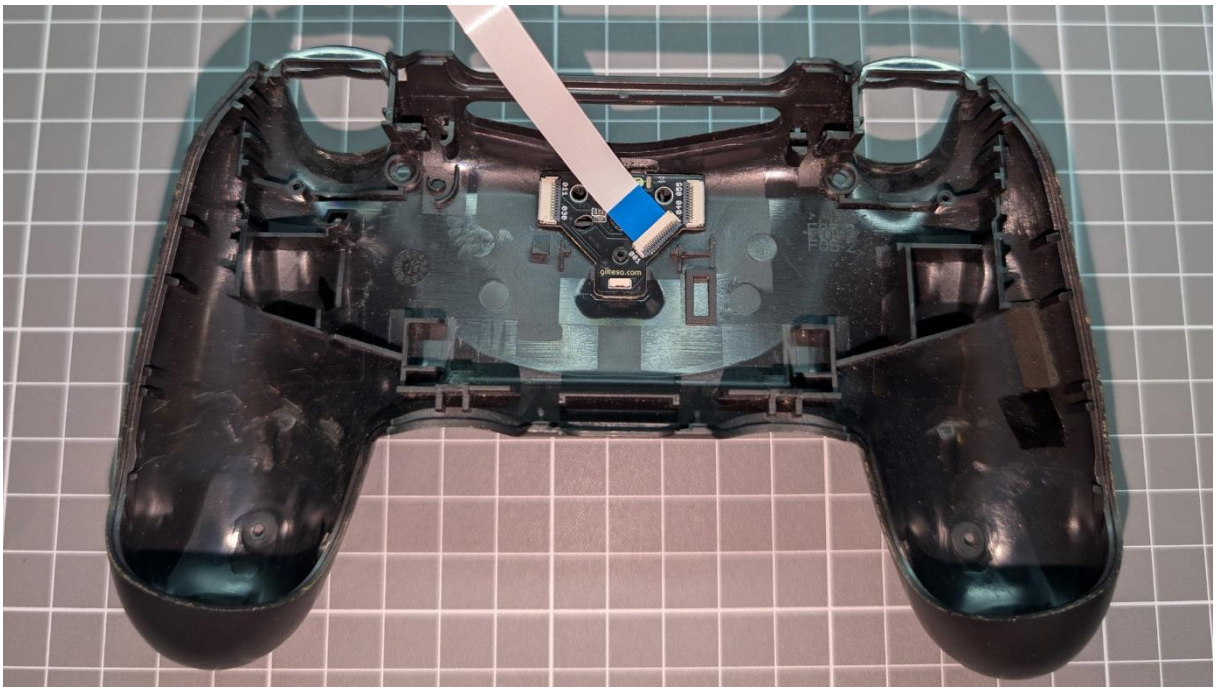


IMPORTANT NOTE: Keep all connector tabs closed so they don't come into contact with the controller's clear light plastic.

CONNECTION FOR JDS-001

The first version of the PS4 controller is slightly more complex to assemble, but only a bit.

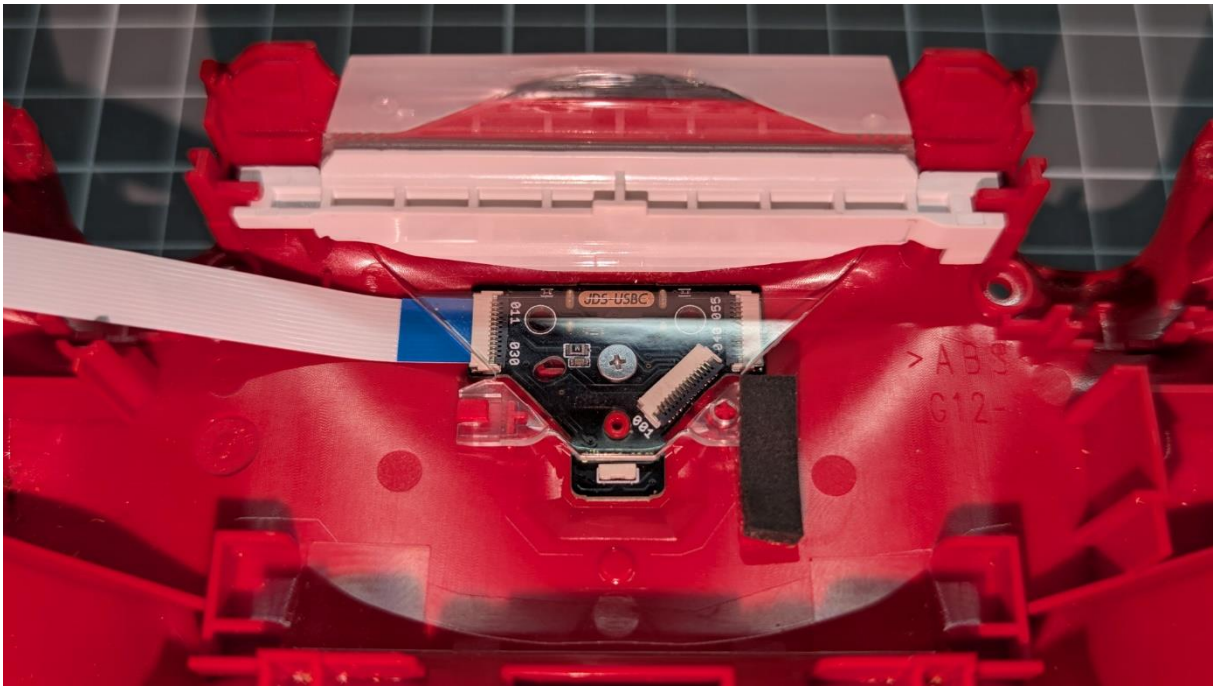
Place and screw in the board, then connect the 15cm 14-pin flat flex cable to the JDS-001 connector.



Next, you'll need to fold the cable as shown in the image, and then you can put all the controller's plastic parts back in place.

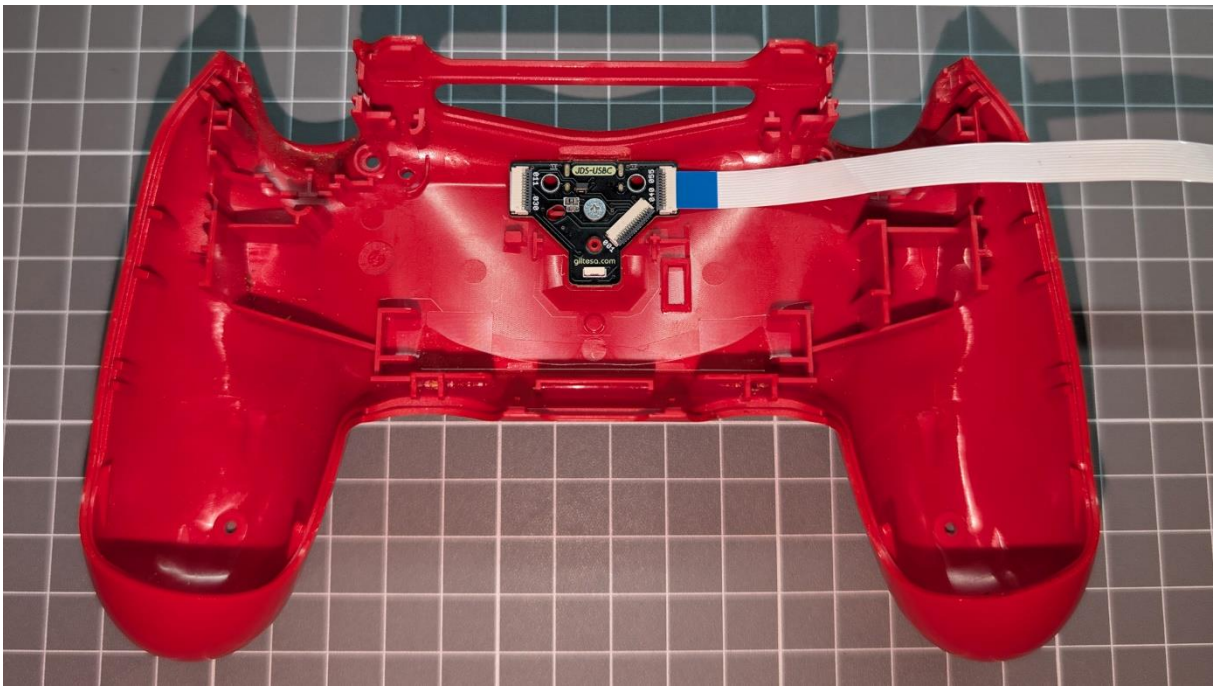
CONNECTION FOR JDS-011, JDS-030

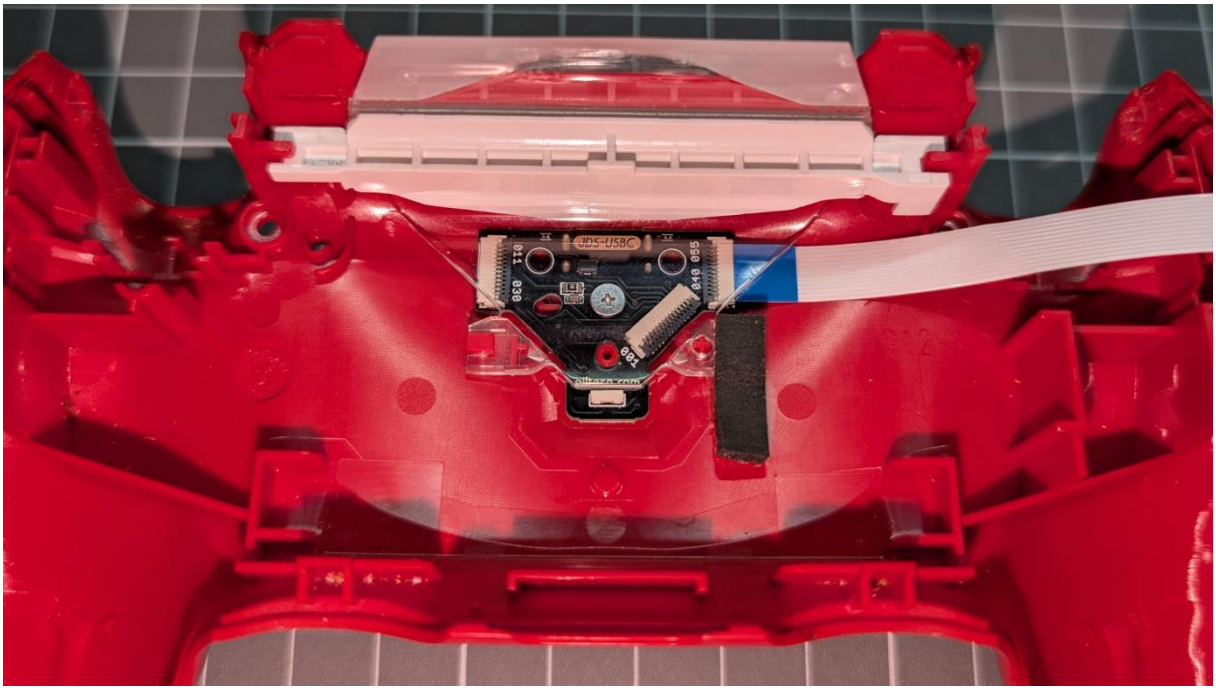
Connect the cable to the board, then place it in position and screw it in. After that, you can reassemble the plastic parts.



CONNECTION FOR JDS-040, JDS-050, JDS-055

Connect the cable to the board, then place it in position and screw it in. After that, you can reassemble the plastic parts.

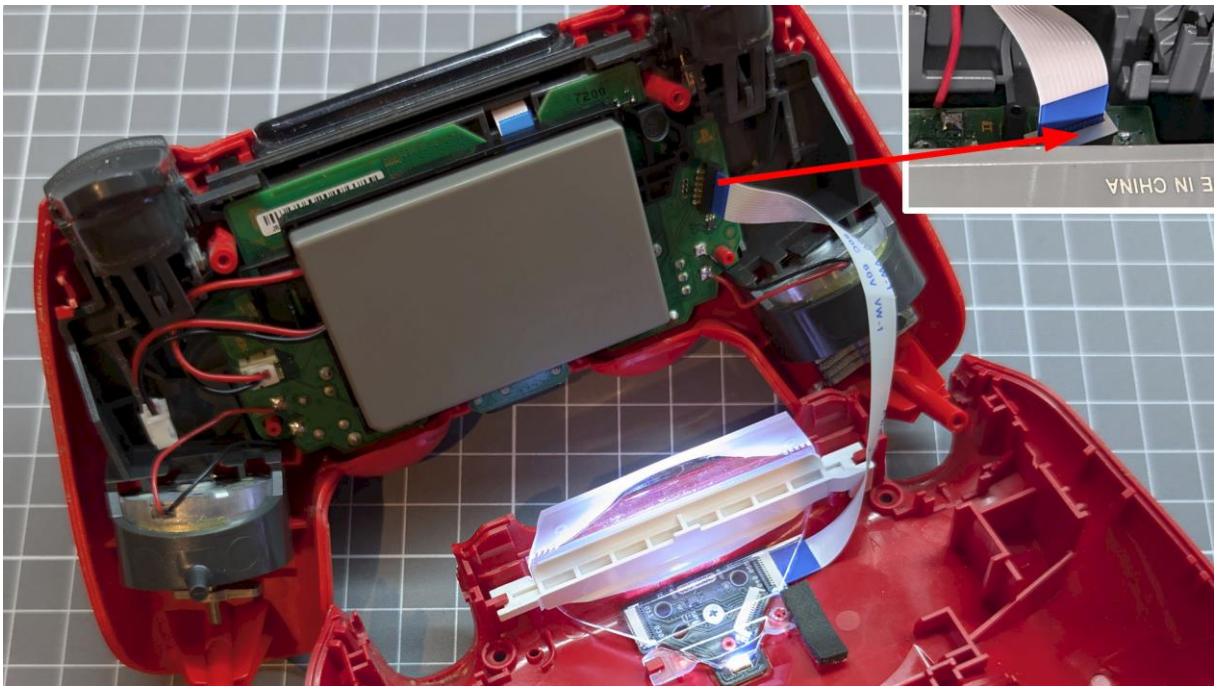


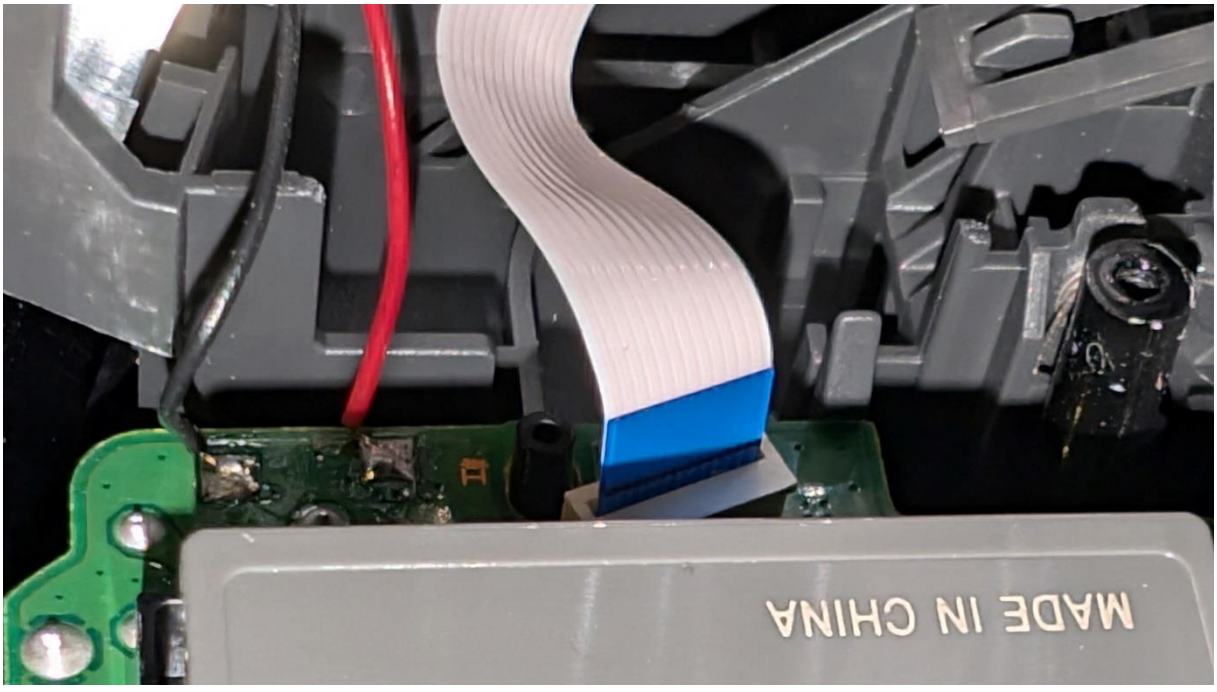


3. CONNECT THE CABLE TO THE MAINBOARD

There's nothing complicated about it, just insert it into the slot until it won't go any further. However, you do need to pay attention to the orientation.

The blue tab should always face the wider side of the connector on the controller's mainboard.





4. *DONE!*

The installation is complete. Follow the steps in reverse to close your PS4 controller 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.