

USB-C & AUDIO KIT FOR GAME BOY ADVANCE SP



VIDEO INSTALLATION

https://www.youtube.com/watch?v=e_Pdkdgis8E

NINTENDO USB-C CHARGING KITS

<https://giltesa.com/en/nintendo-usb-c-charging-kit>

The **Game Boy Advance SP USB-C & Audio kit** is a super tiny circuit that allows you to **charge** a GBA SP by USB-C and **connect your headphones** by USB-C using an analogic USB-C to jack adapter.

Included with this kit:

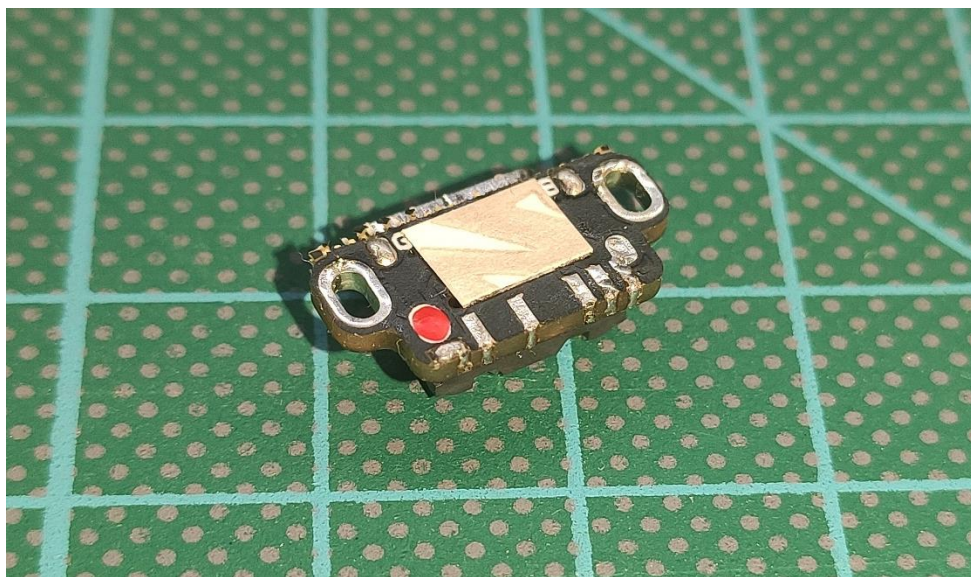
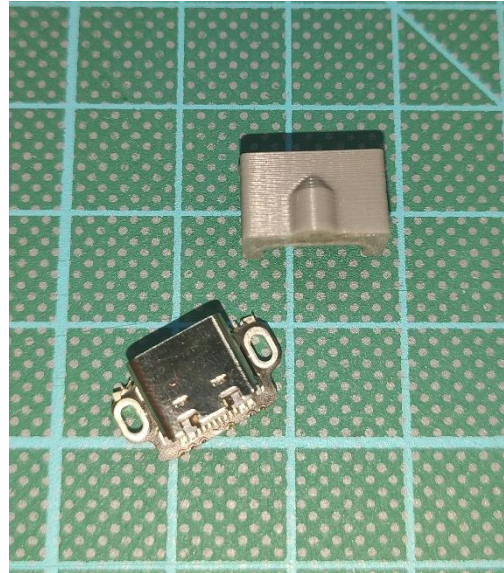
- Main board
(with double sided tape)
- Plastic cap to cover the hole
(3D Printed bezel)

Not included:

- You don't need anything else.

Required tools:

- Screwdriver: + and Y
- Soldering iron
- Tin
- Flux
- Isopropyl alcohol



Step 1: Removing the original connector.

It's a bit hard to remove it because the connector has many legs. **Be careful when you remove it because it's easy to take off the pads** from the GBA SP board.

If you want, you can use a cutting pliers and destroy the connector and then desolder the legs one by one.

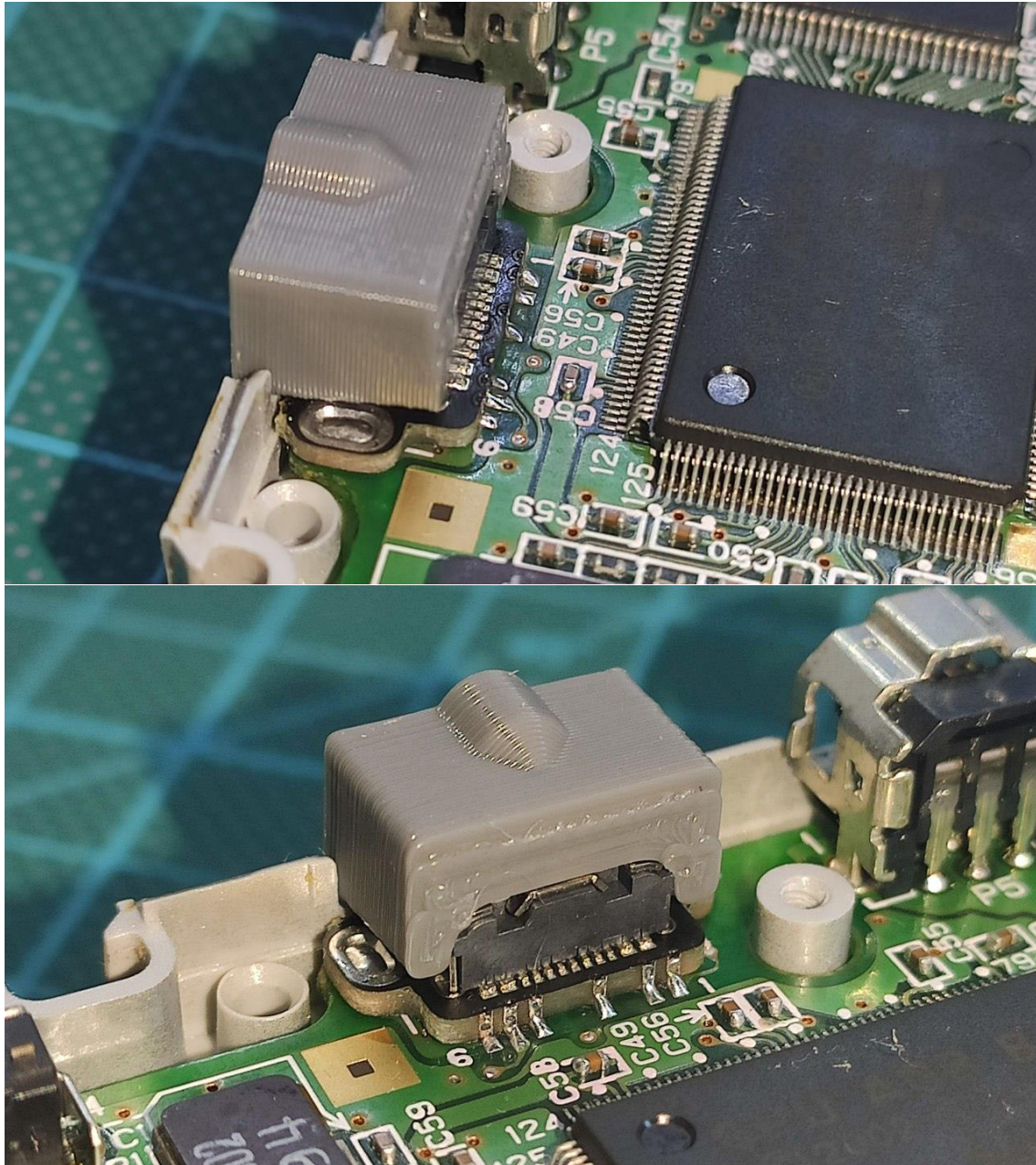


Step 2: You can put the board on the GBASP and hold it with the double sided tape. Centre it well and then you can solder the two holes on both sides.

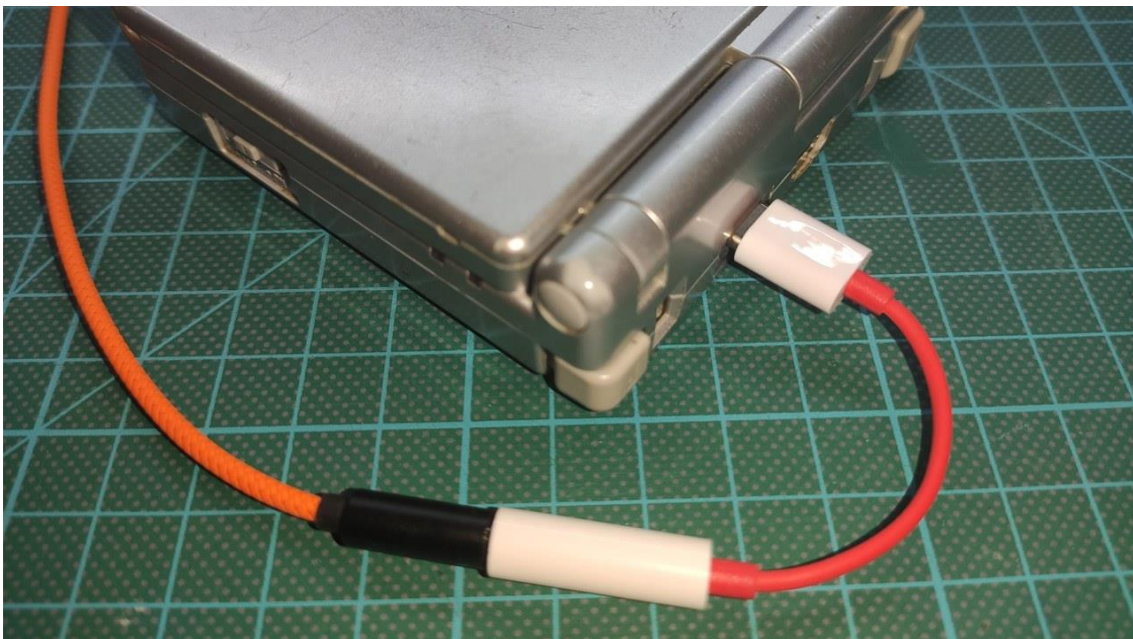
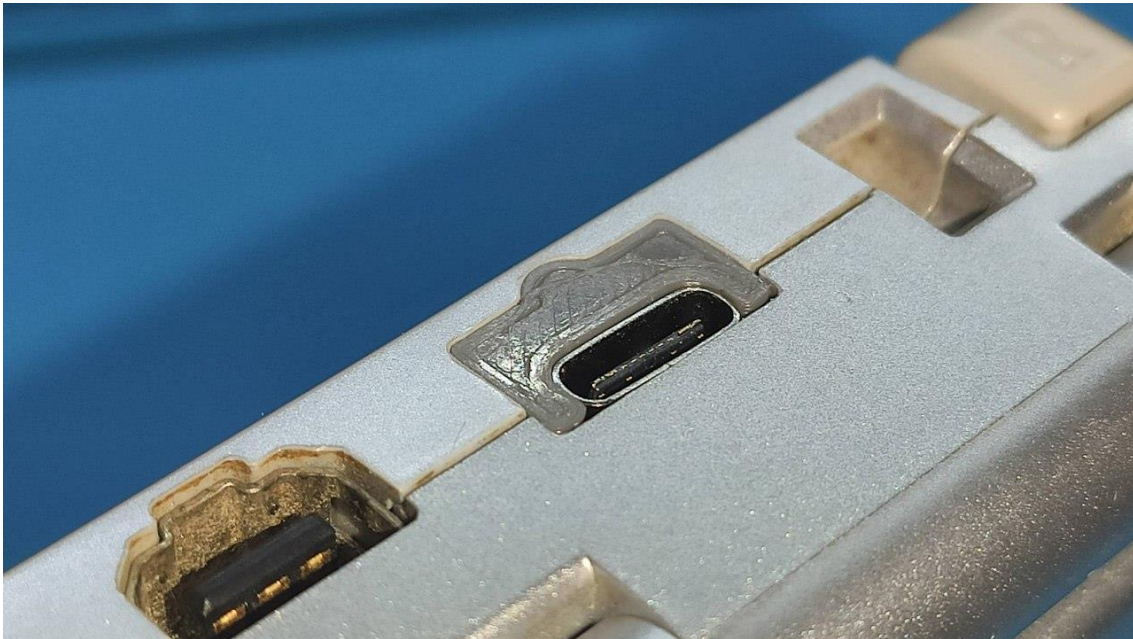
After that, you can add some flux on the 6 pins/pads and put the solder iron with a bit of tin and finally move it over all pins/pads.

The USB-C board has pads on the bottom side and in the back side. The idea is the pads on the back side help to hold the tin which is on the bottom side. It doesn't matter too much if you join the board using one side, the another, or both.

The board should look like these pictures:



Step 3: You can clean the flux with alcohol, put the plastic cover in and close the GBA SP, the installation is done!



Extra information

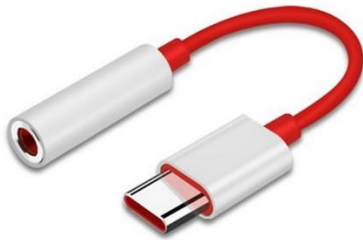
USB-C to 3.5mm jack adapters

You can use any USB-C adapter but it's important it is analogic. It means the adapter doesn't have any electronic inside like a DAC.

For example, you can use one of these adapters:

One+

<https://www.aliexpress.com/item/33046043635.html>



Huawei

<https://www.aliexpress.com/item/4001011912247.html>



Generic (the quality of this one is not good)

<https://www.aliexpress.com/item/1005002378052965.html>

