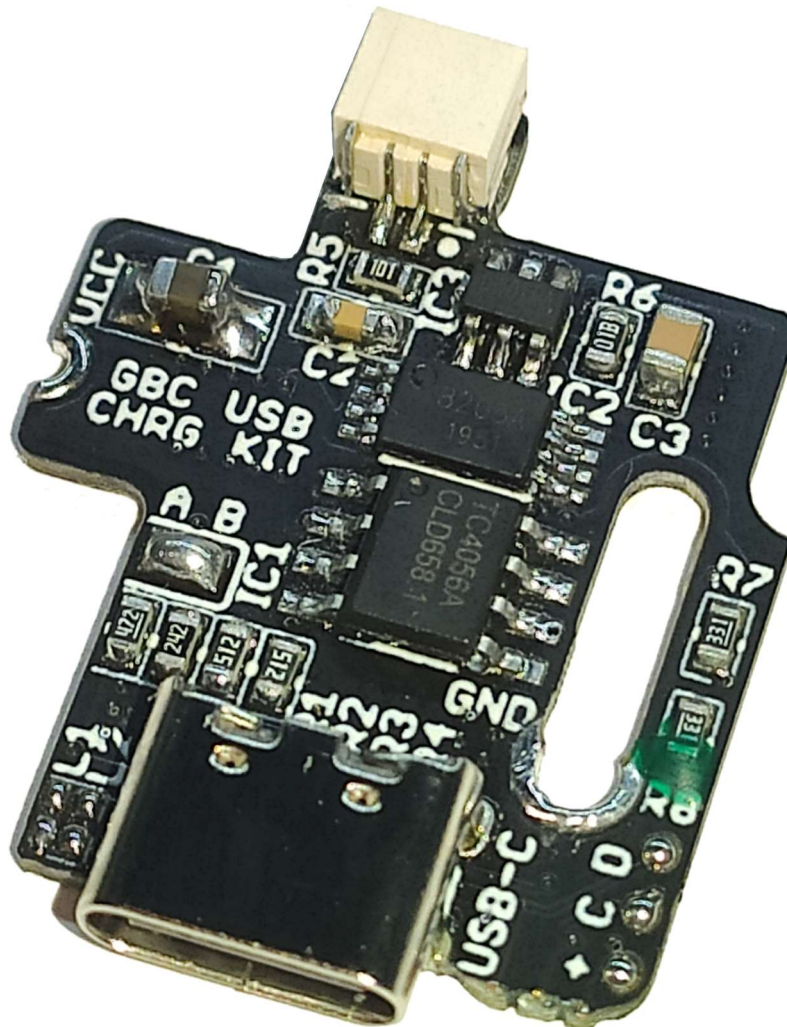


USB-C CHARGING KIT FOR GAMEBOY COLOR



QUICK GUIDE

<https://giltesa.com/?p=20126>

The **Game Boy Color USB-C charging kit** is a circuit that allows you to charge a Nintendo Game Boy Color by USB-C and use a Li-ion battery instead of AA batteries.

This circuit includes the famous TP4056 and DW01A. The first one is the device in charge of charging the battery, and the second one is protecting the lifetime of the battery of the over-discharge.

Because the GBC board doesn't have enough free space, you need to remove some components of your GBC board before the installation. These components are not necessary because this board replaces the AA and jack powered.

Included with this kit:

- Main board
- LEDs board
- Li-ion battery cable
- Installation cable

Not included:

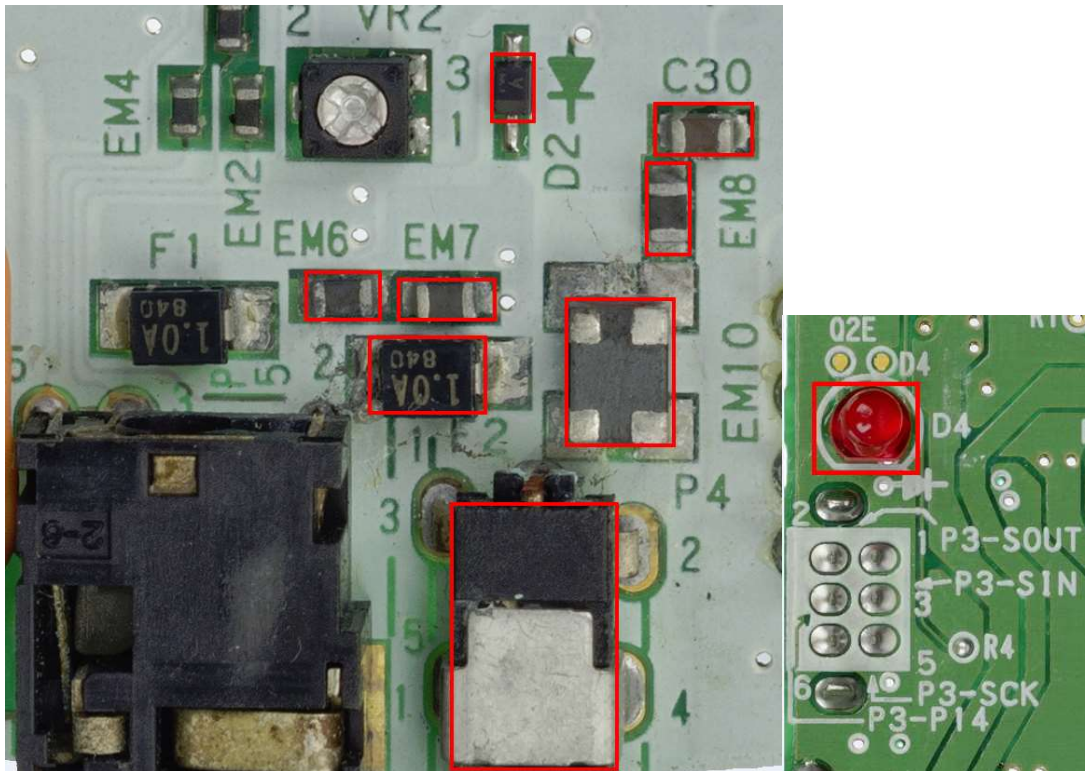
- Li-ion battery

Required tools:

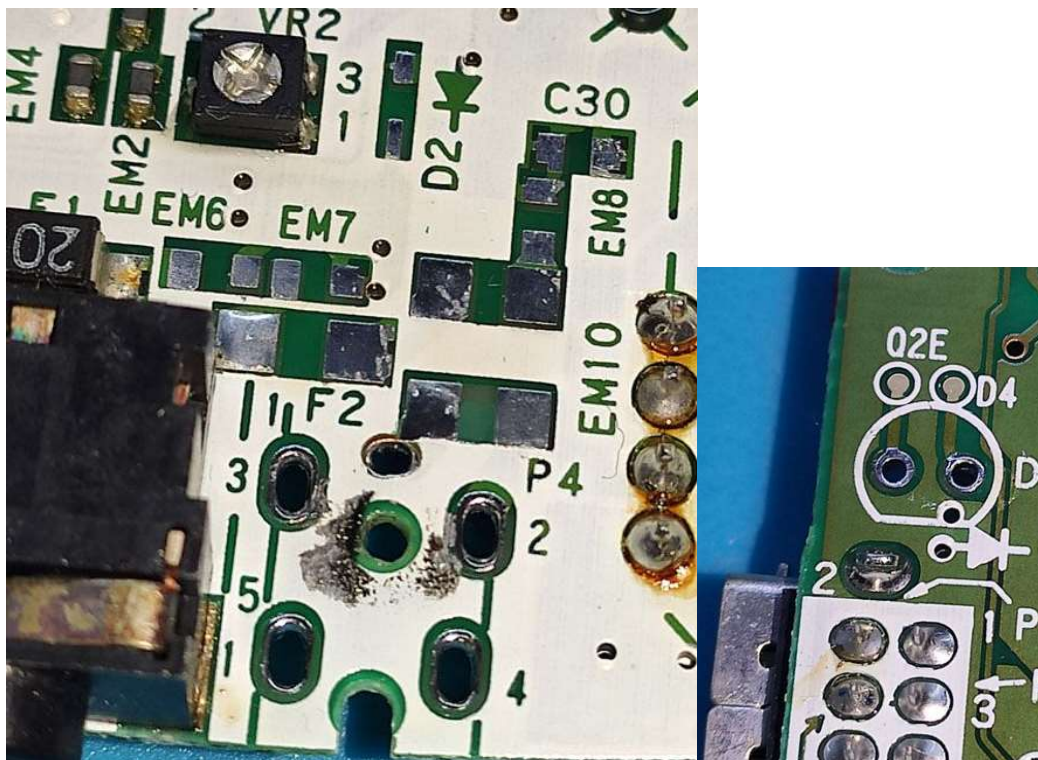
- Screwdriver: + and Y
- Soldering iron
- Tin
- Flux
- Isopropyl alcohol
- Tweezers
- Cutter for cutting the case



Step 1: Removing all unnecessary components on both sides:

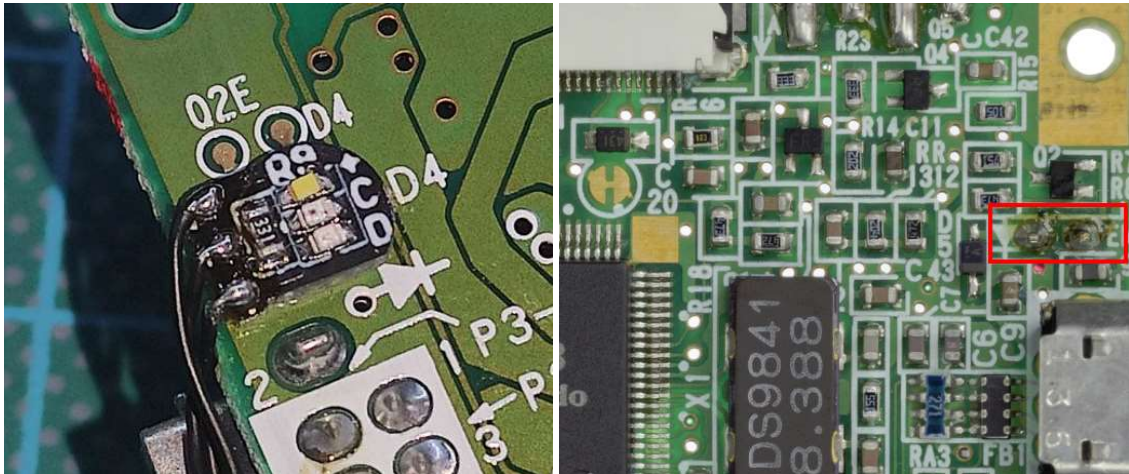


You can apply some flux and hot the pads with tin for helping you to remove them. After finishing it should look like this:



Step 2: Soldering the LEDs board. This board is as small as the original LED. This board has 2 pads on the bottom side and 3 more on the top side. The 2 pads on the bottom must be solder in the same place that the original LED.

If you put the board on its place with tape and you hot the opposite side with tin, the board will be solder, and then you can solder the 3 cables to join with the main board.



After that, you can finish the installation soldering the cables from the LEDs board to the main board. Be sure you solder each cable correctly:

- + to +
- C to C
- D to D