



# Nvidia Shield Controller Teardown

Nvidia Shield Normal Controller(no Display)

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## TOOLS:

- [T6 Torx Screwdriver](#) (1)
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## Step 1 — Nvidia Shield Controller Teardown



- Nvidia Shield Normal Controller , without Display , so it's just a controller if you don't have other shield device
- Micro-USB 2.0
- 3.5 mm stereo headphone jack
- Charge indicator
- Still don't know how this controller connected to PC without cables, the controller can be connected to a Nvidia Shield through WiFi but no idea if this works with pc.



## Step 2



- Flipping over the device reveals 6 screws. No hidden screws here.
  - 6\*screws, use T7 screwdriver for all of screws.
- Careful, you will need some force to open the clips holding the device together.
- Once you are inside the device remove the two ribbon cables.

## Step 3 — Vibration Motors



- Remove two cable for the vibration motors and one cable for the battery.
  - There are 2 Vibration motors

## Step 4 — Logic Board



- Remove the two screws holding the logic board to the device.
- Carefully remove the logic board.

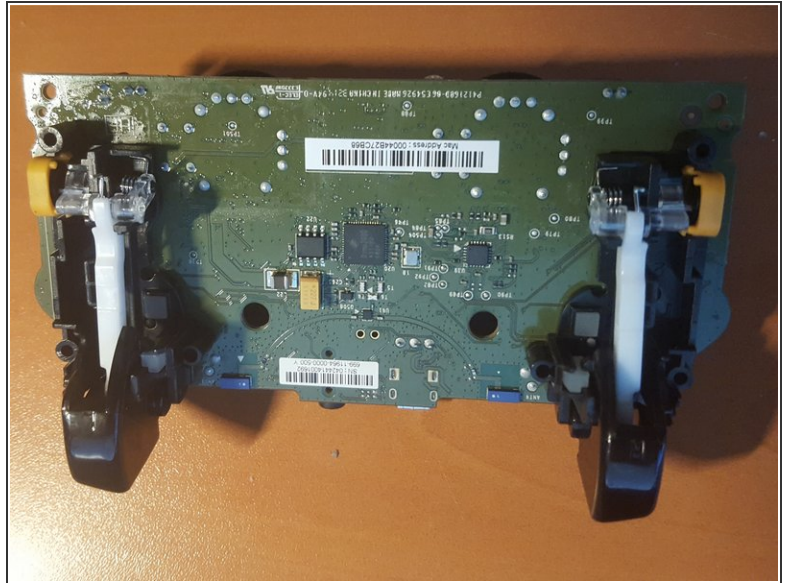
## Step 5 — Battery



- we can found battery part under the motherboard
  - Screw\*4
- LC18650 Lithium-ion Battery: 3.6V/2200mAh/7.92Wh

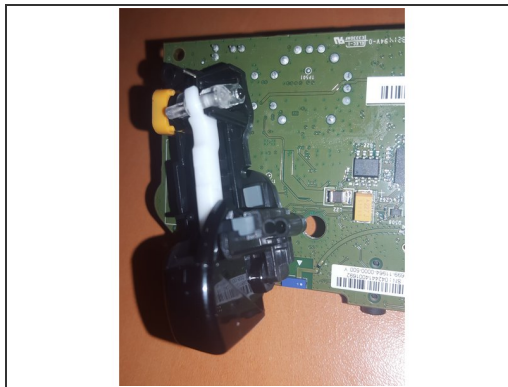


## Step 6 — Motherboard



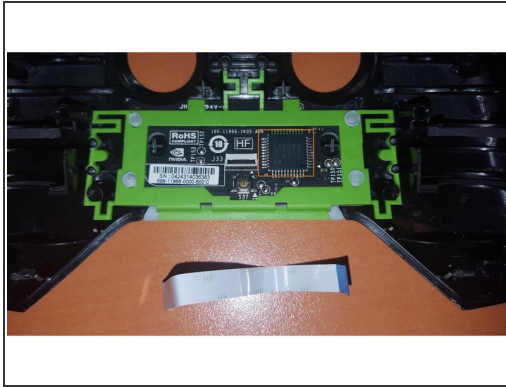
- TLV320AIC3204 Very Low-Power Stereo Audio CODEC
- Atmel ATXMEGA32A4U-AU chip
- potentiometers

## Step 7 — LT&RT



- Remove 6\*screw
- careful , don't broke the potentiometer

## Step 8



- cover part
- 4\*screw
- PIC32MX120F032D
- 18f26k22-I/ML