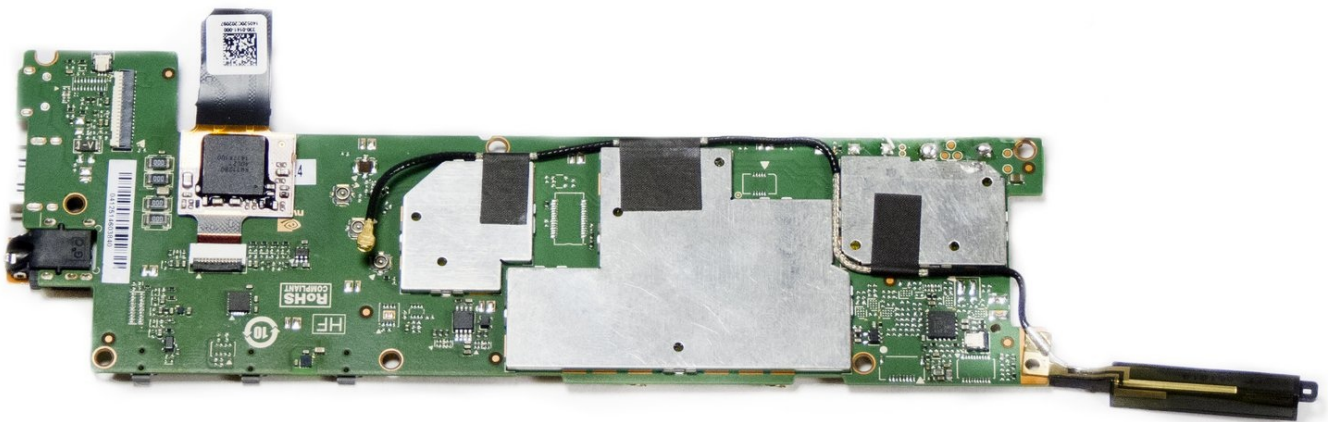# Nvidia Shield Tablet Motherboard Replacement

Use this guide to replace the motherboard in…

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INTRODUCTION

Use this guide to replace the motherboard in your Nvidia Shield Tablet.

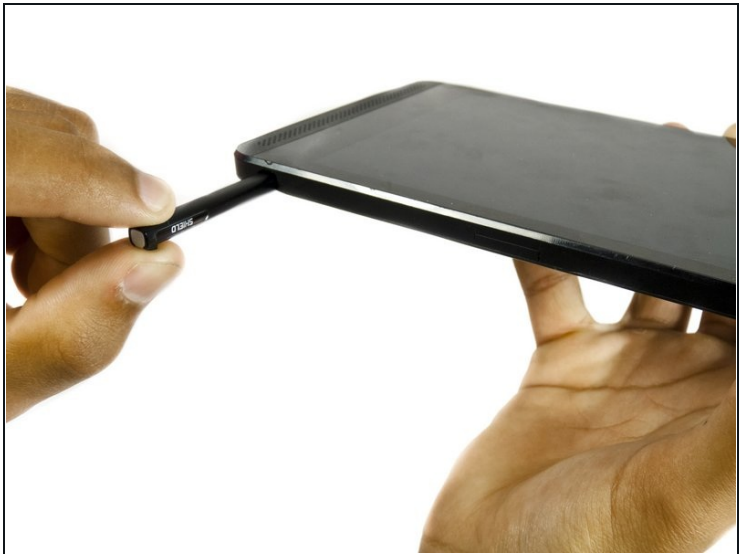## 🔧 TOOLS:

Anti-Static Wrist Strap (1)
Spudger (1)
Precision Tweezers Set (1)
Soldering Iron 60w Hakko 503F (1)
Phillips #00 Screwdriver (1)

Step 1 — Rear Case

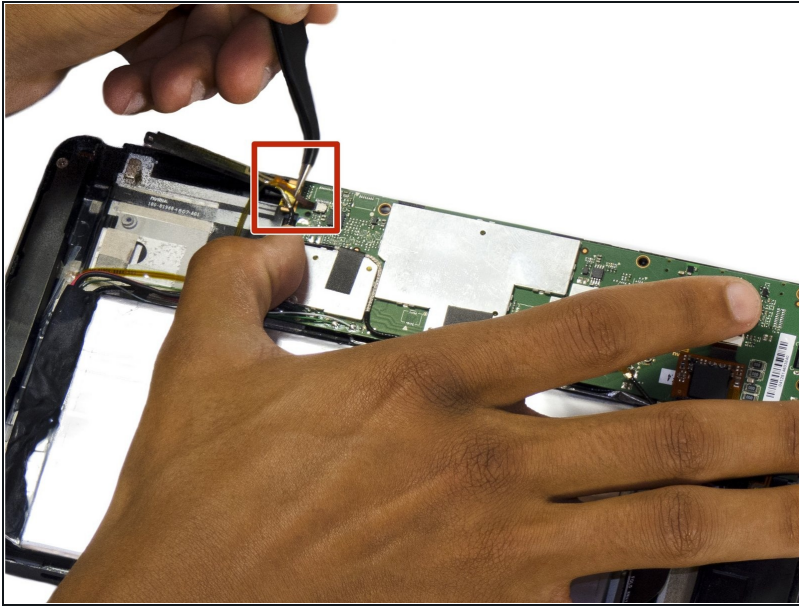- First, remove the stylus from your tablet.

Step 2

- Set the tablet so the buttons, microSD, and stylus port are facing you.

- Open the microSD slot.

- Using the flat end of the spudger tool, carefully pry open the case starting from the microSD slot, slowly sliding the spudger along the inside edge of the case.

⚠ You may want to put on your [anti-static wrist strap](#) at this point as the motherboard will be vulnerable to physical touch and electrostatic shock after the casing is removed.

Step 3

- As you remove your case, be aware of small clips along the edges.
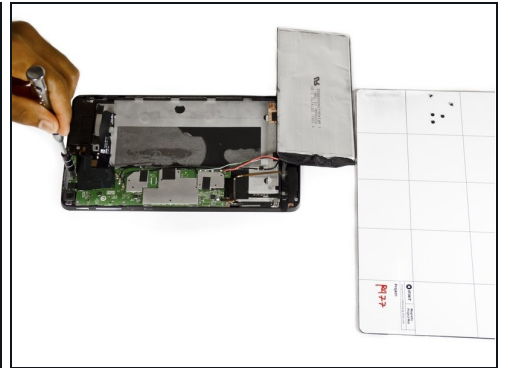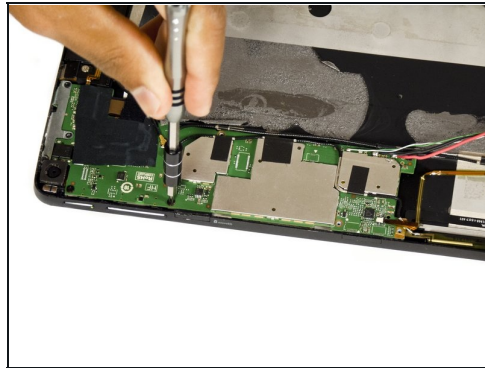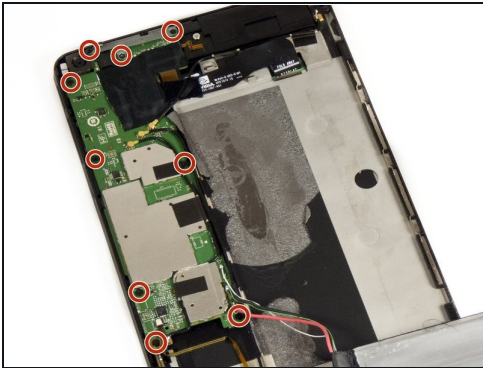
- Finally, set the old casing aside.

Step 4 — Motherboard

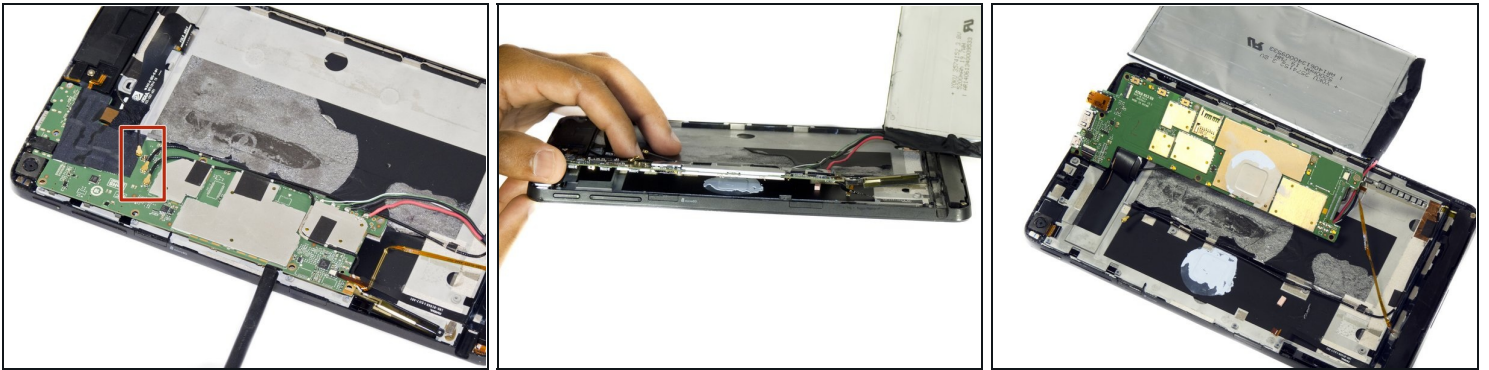- Carefully use the precision tweezers to unplug the ribbon cable.

⚠ Be sure to have your [anti-static wrist strap](#) on for this procedure.
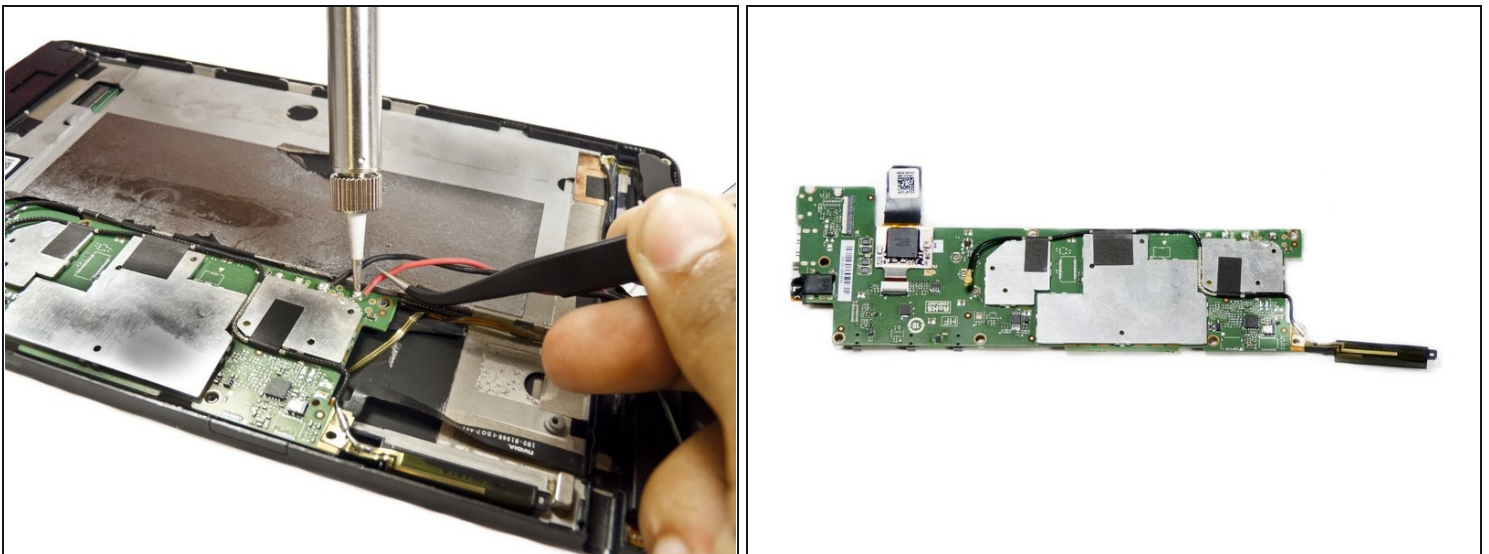
Step 5

- Remove the two 6.5 mm Phillips #00 screws and seven 3.0 mm Phillips #00 screws.

Step 6

- Use a pair of tweezers to disconnect the three black antenna cables from the motherboard.

- Use the flat end of the spudger tool to carefully pry up the motherboard.
  - (i) In the first Shield, the stylus ribbon cable is located under the right side of board. While there are 2 additional cables for the cameras underneath the left end of the board. Be sure to loosen the cameras before lifting the board.

Step 7

- Desolder the positive and negative battery cables from the motherboard.

- ⊡ Make sure to note which wire goes where, you don't want to re-solder the wires backwards!

- The motherboard should now come free.

To reassemble your device, follow these instructions in reverse order.