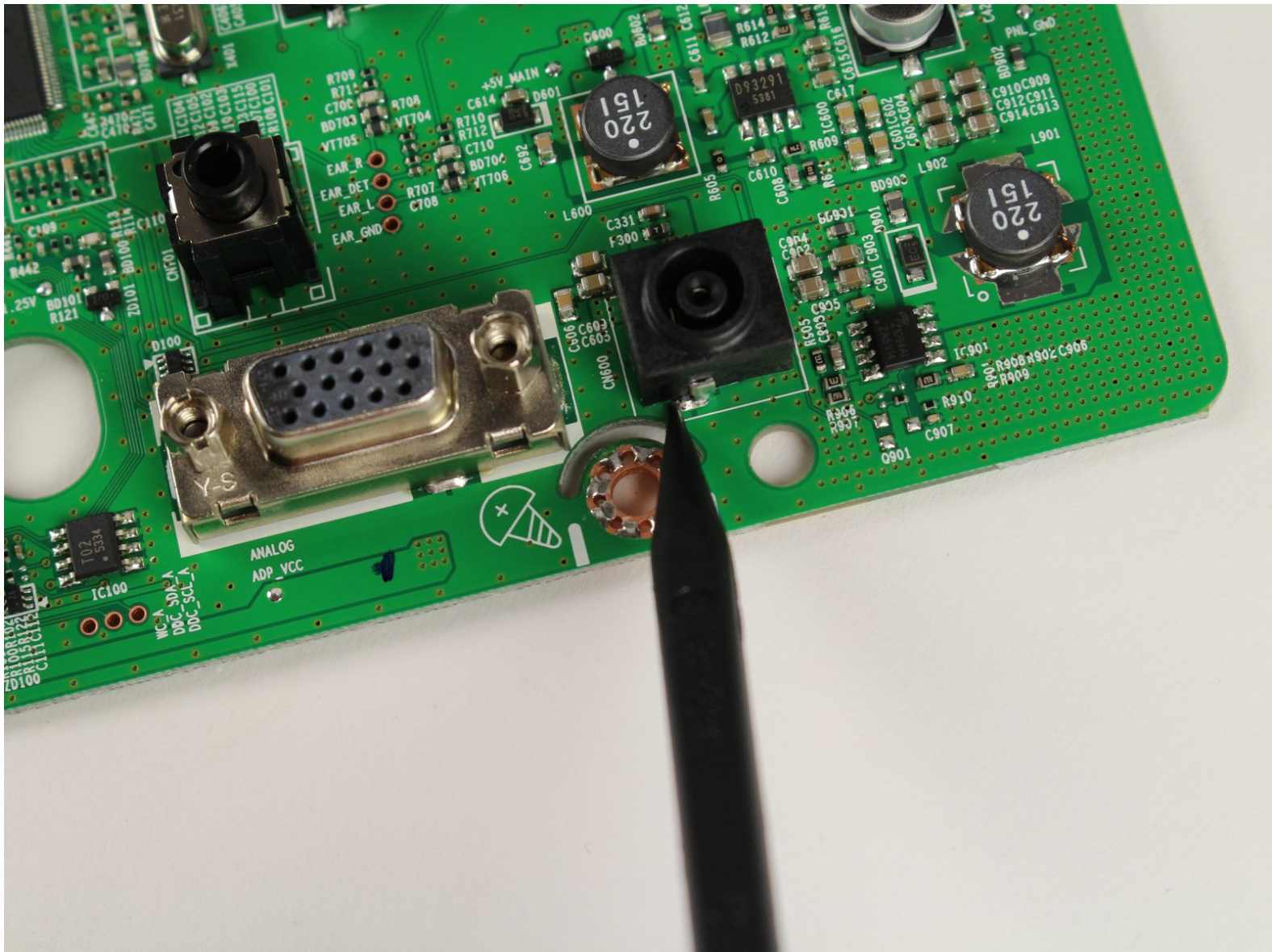




Samsung 27E510C Power Adapter Port Replacement

The power adapter port allows power input to the display. The port may need to be replaced if trying a new power adapter cable does not fix display issues.

Written By: Levi Thompson



INTRODUCTION

The power adapter port allows power input to the display. The port may need to be replaced if trying a new power adapter cable does not fix display issues.



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Heavy-Duty Spudger](#) (1)
- [Soldering Iron](#) (1)
- [Desoldering Braid](#) (1)



PARTS:

- [Female Power Adapter Port](#) (1)

Step 1 — Back Panel



- Use the #1 Phillips head screw driver to remove each 13.75mm length screw from the rear panel.

i The screw alone with the ports is a different size than the rest, its length is 12mm.

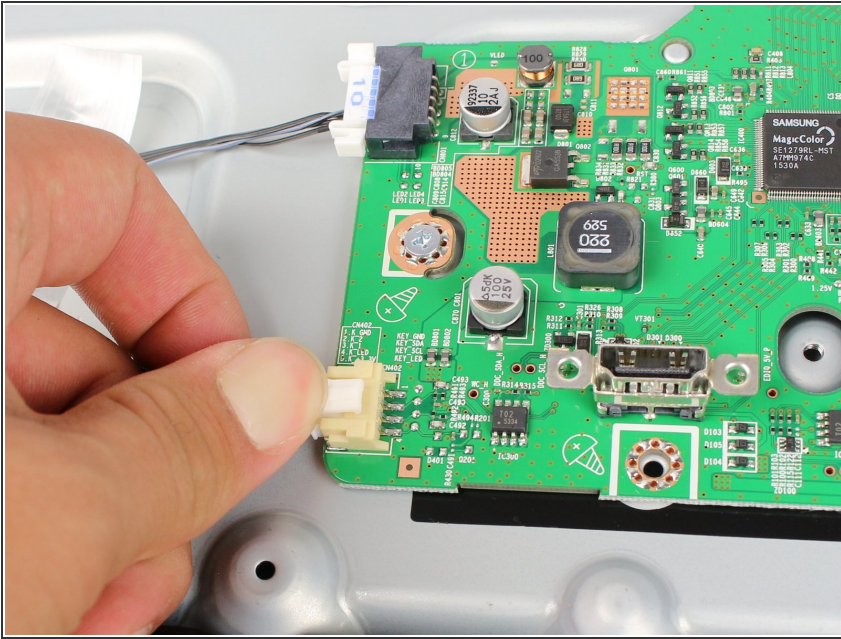
Step 2



- Insert the heavy duty spudger in between the monitors back panel and its frame.
- Use the heavy duty spudger to pry open the back panel.

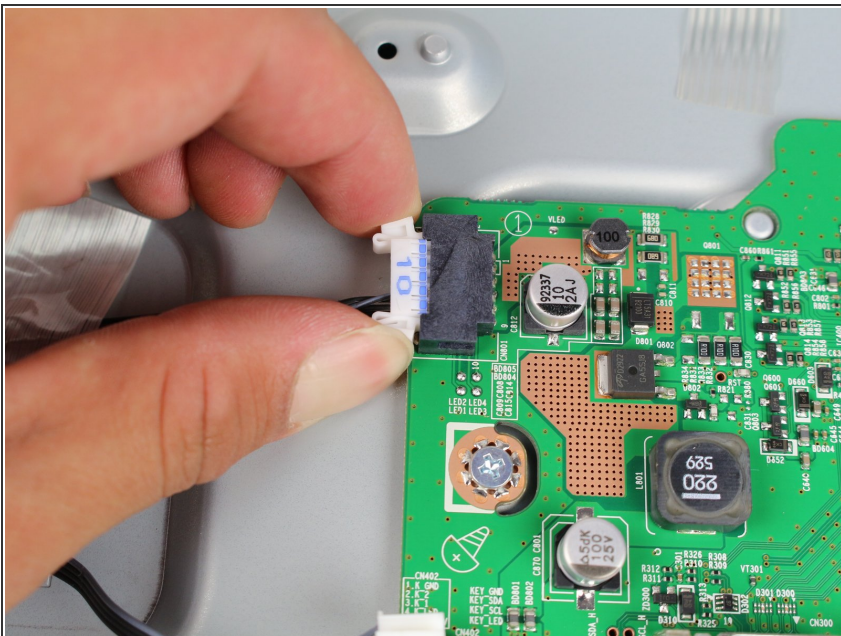
! Over aggressive prying could break the tabs holding the back panel in place.

Step 3 — Motherboard



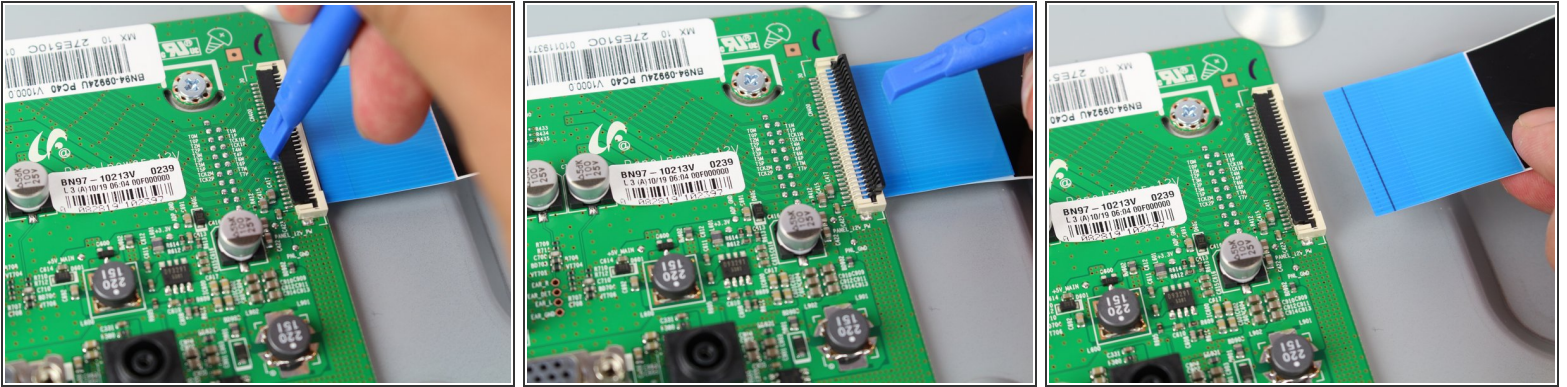
- Remove the navigation button connector by pulling while holding down its thumb tab.

Step 4



- Remove the screen connector by gripping its sides and gently pulling while wiggling back and forth.

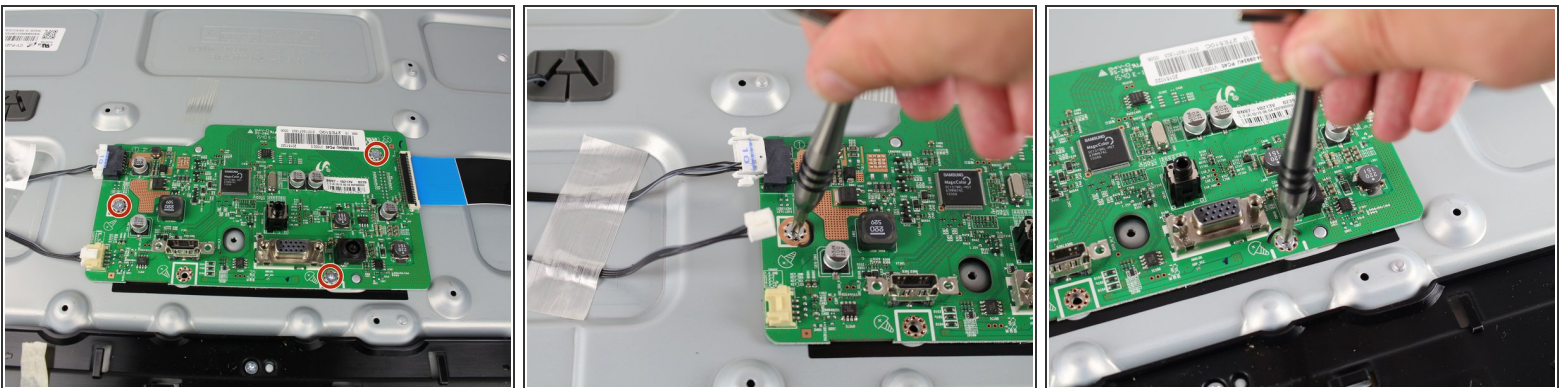
Step 5



- For the ribbon cable, Lift the tab from the side facing the inside of the mother board with your fingernail or a spudger.
- Remove the cable by pulling while lifting slightly.

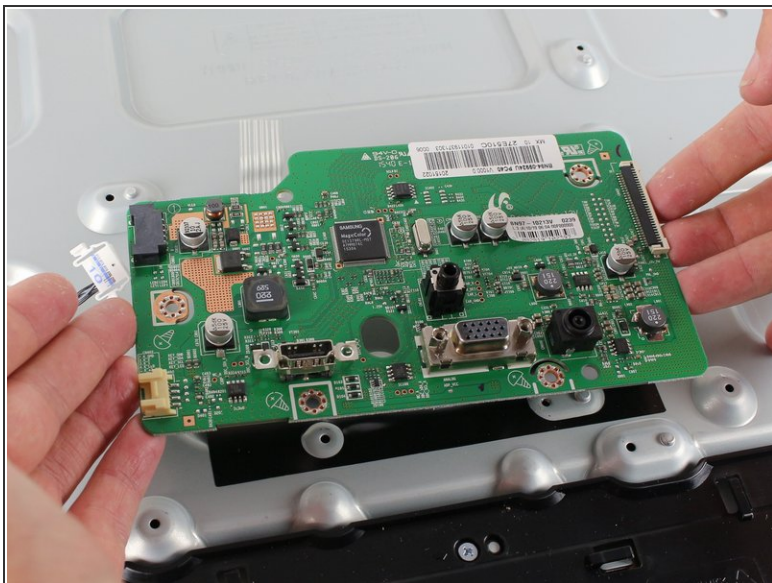
⚠ If the cable does not come out easily, than the secure tab may not be fully opened.

Step 6



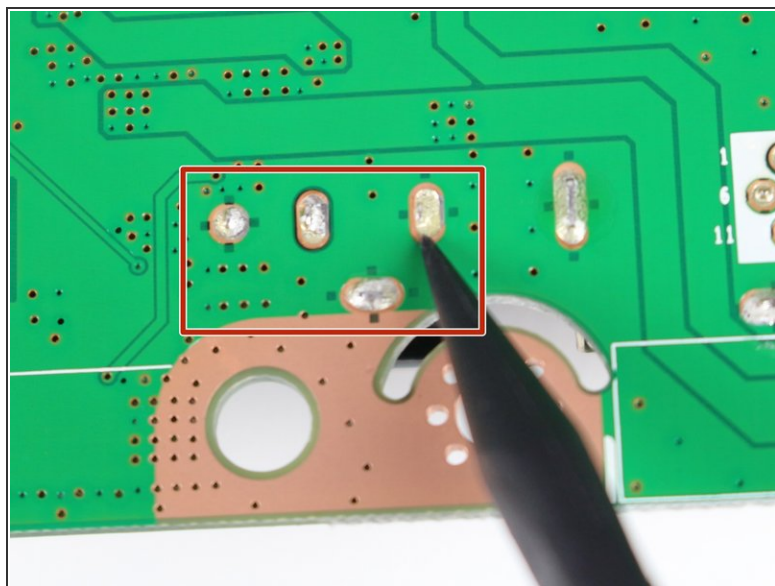
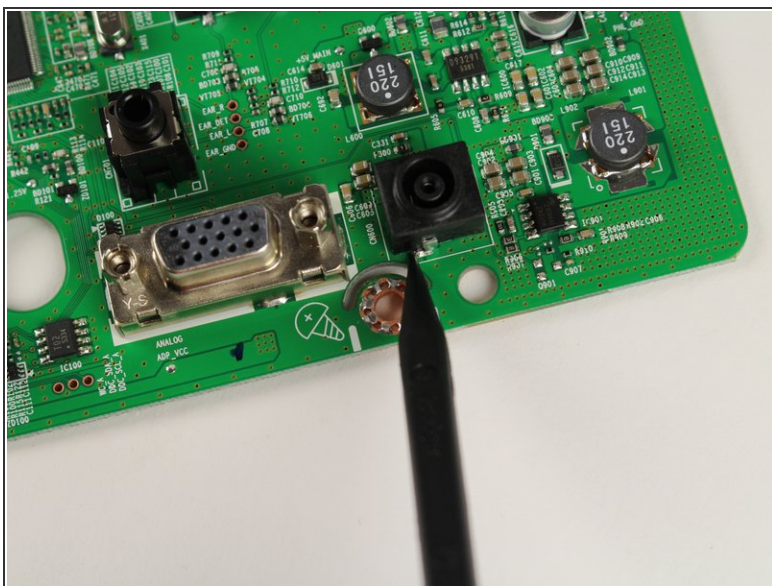
- Remove each of the 5mm length screws attaching the motherboard to the body of the monitor using a #1 Phillips head screwdriver.

Step 7



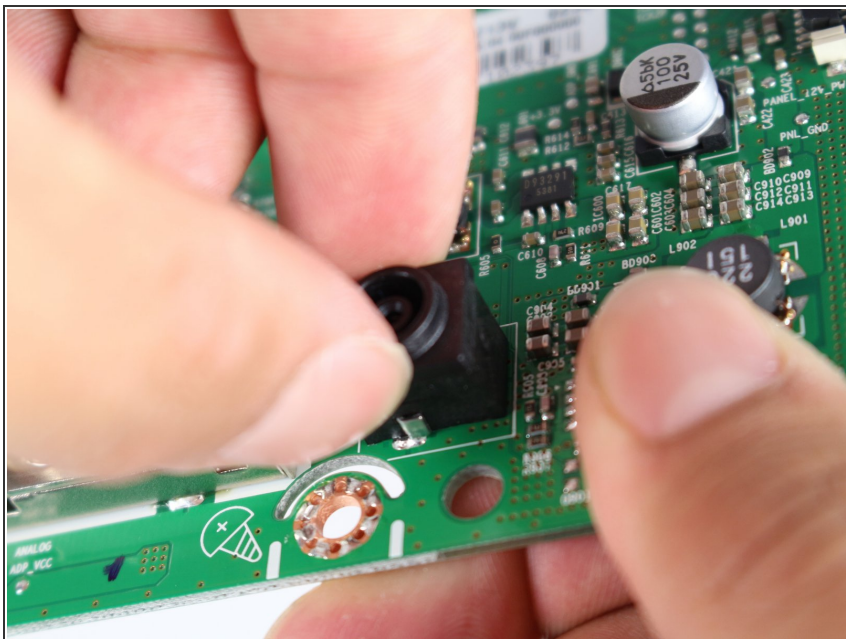
- Using both hands, lift the board off of the monitor body by the motherboards base.

Step 8 — Power Adapter Port



- [Desolder](#) the indicated leads on the back of the motherboard.
- ⓘ The power adapter port should fall out of the board after the solder is removed.

Step 9



- If the power adapter port does not fall out of the board, try tugging on it with your hand.
- ⚠ The power adapter port may be too hot to touch right after desoldering.
- ⚠ Excessive tugging could damage the motherboard.

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