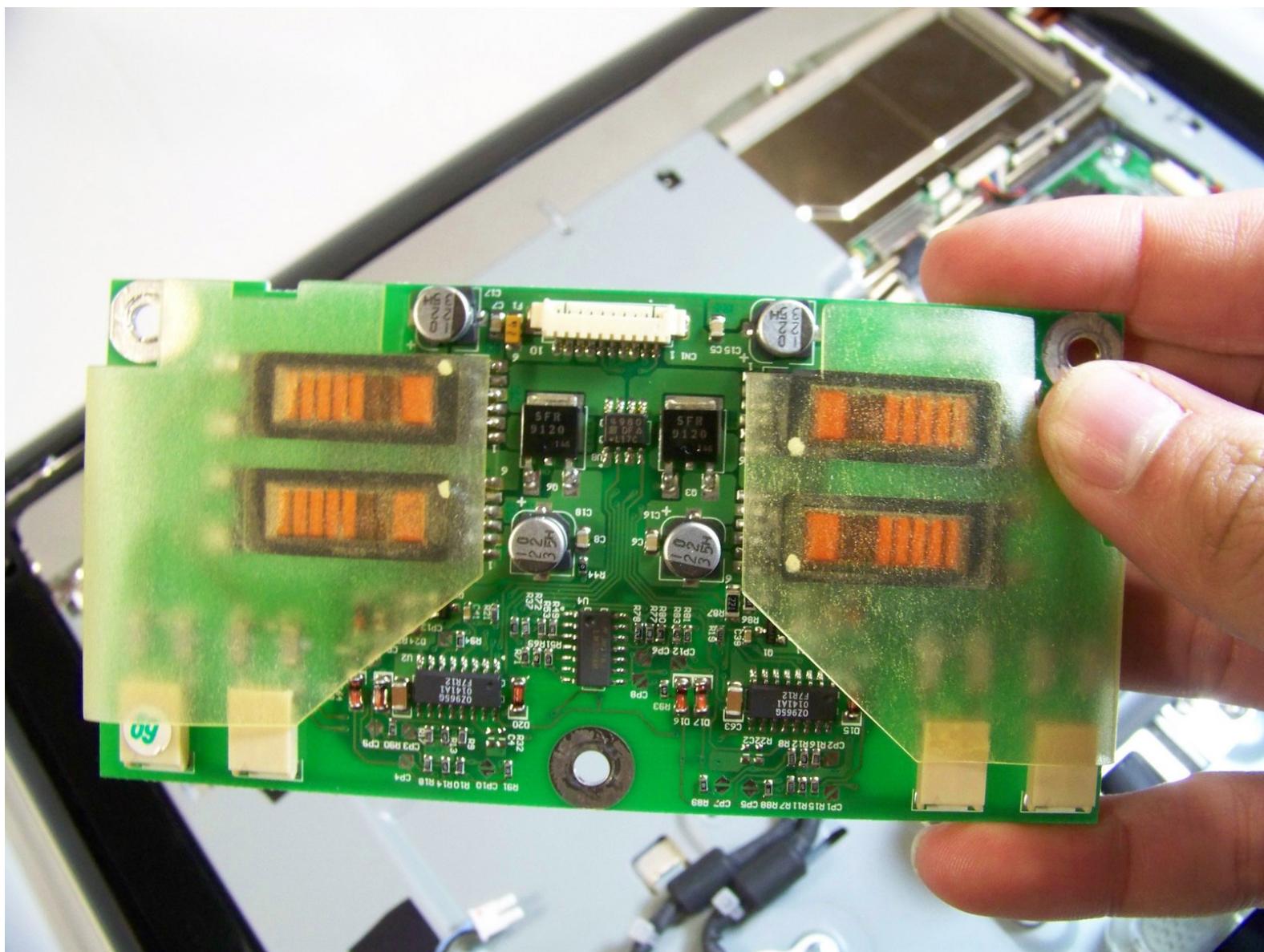




# Apple Studio Display M7649 Inverter Replacement

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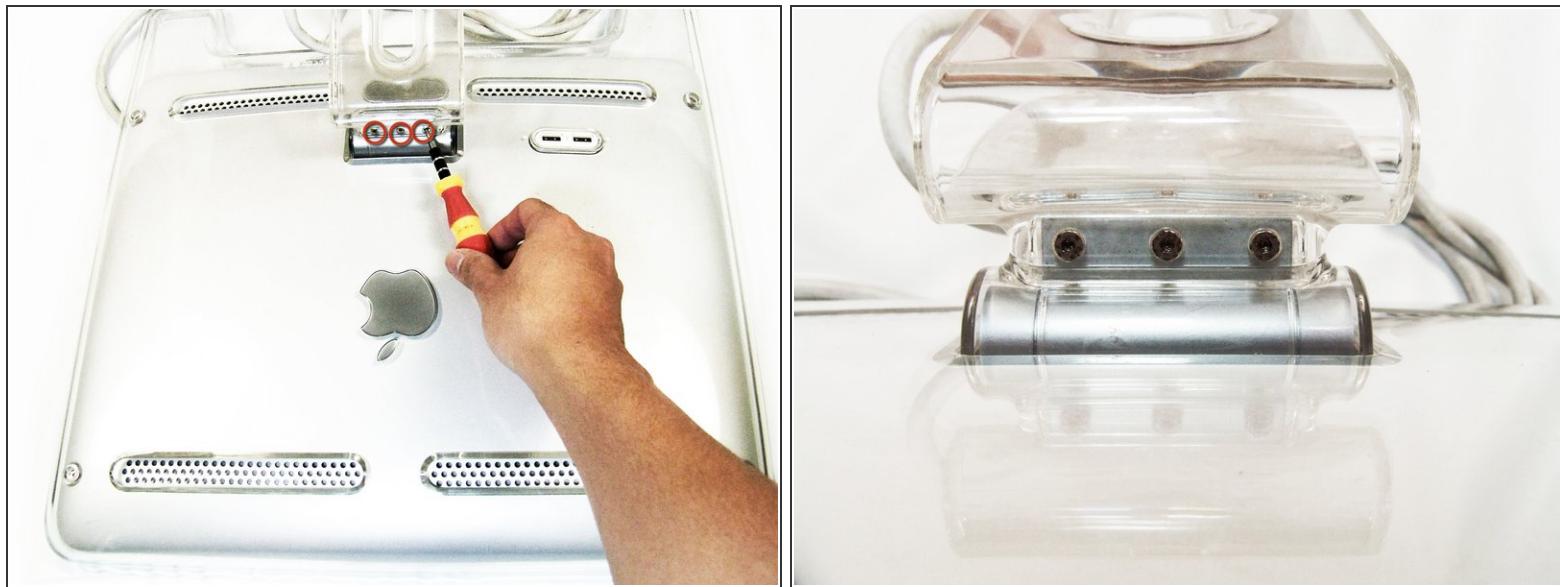
## INTRODUCTION

Replacing the inverter, a common cause for what looks to be a loss of backlight.

### TOOLS:

- 2 mm Hex Screwdriver (1)
- Phillips #0 Screwdriver (1)

## Step 1 — Stand



- Lay the display facing down with the stand away from you.
- Remove the three size 2.0 hex screws on the swing arm and remove the swing arm as well as the plastic shield under it.

## Step 2 — Panels



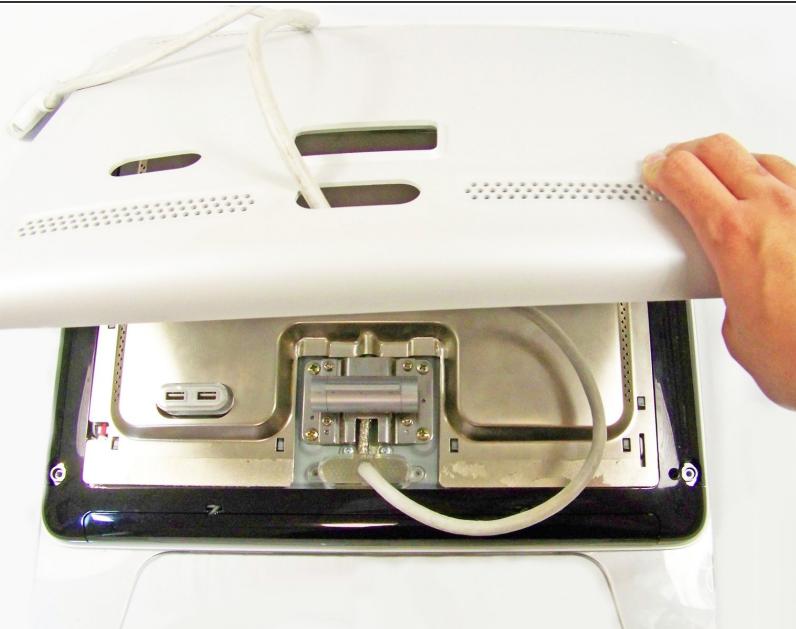
- Remove the size 2.5 hex screws from each corner that connects the panels to the display and remove them.

## Step 3



- Rotate the display so the legs of the display are now facing you
- Grip the top of the clear panel and lift it upwards, and pull the ADC cable through the hole.

## Step 4



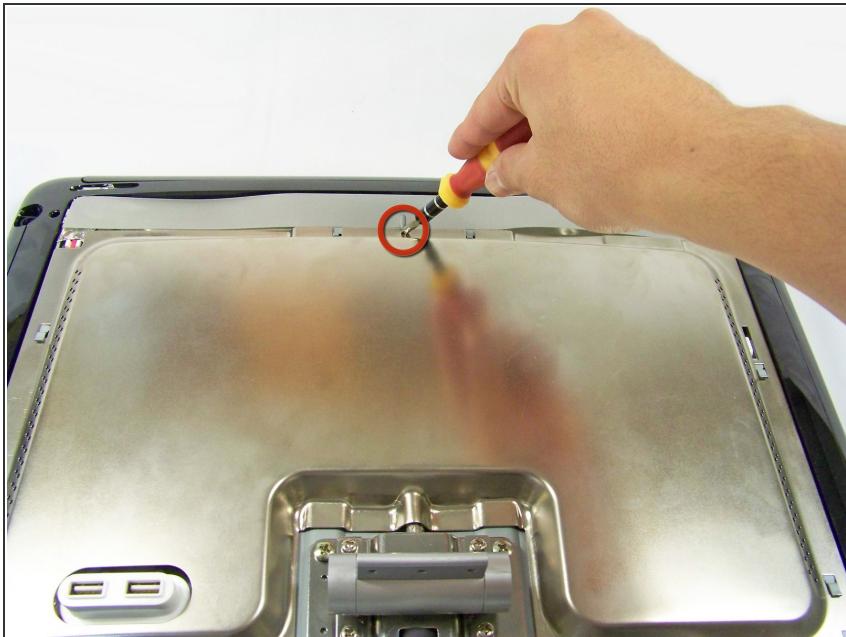
- Remove the grey back panel by lifting the bottom and pulling the ADC cable through the hole.

## Step 5 — Metal EMI Shield



- The next layer will be a shiny metal panel, which might have some stickers. Make sure to remove these stickers.

## Step 6



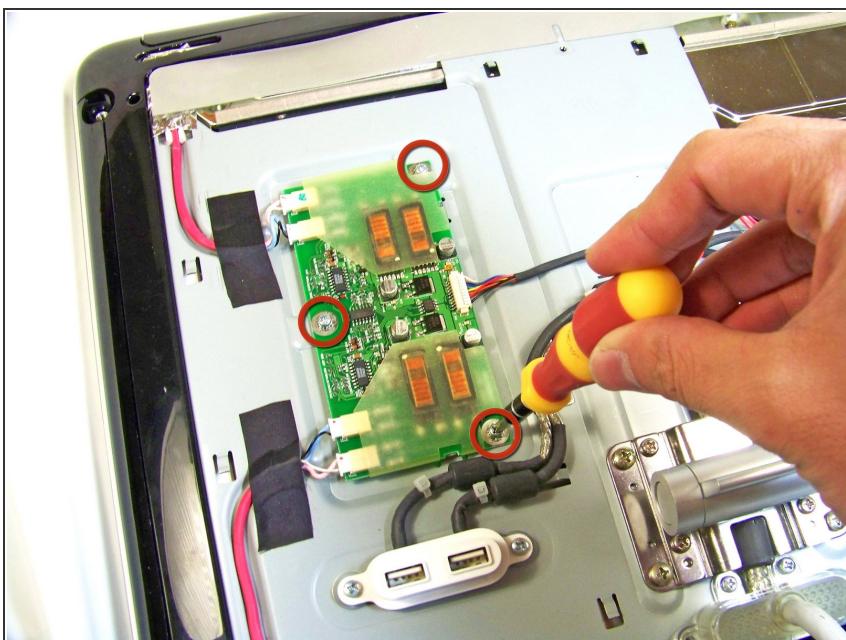
- Now locate and remove the lone screw holding the EMI shield to the display

## Step 7



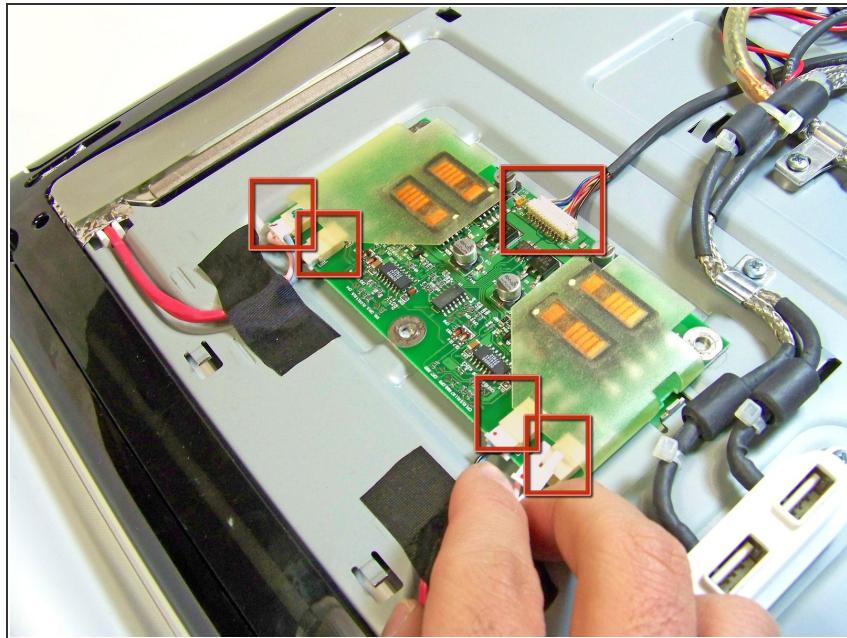
- Now that the screw has been removed, slide the panel towards your body and lift it out.
- You may need to remove the clear USB port cover to remove the metal EMI shield.

## Step 8 — Inverter



- Remove these three screws holding the board to the display

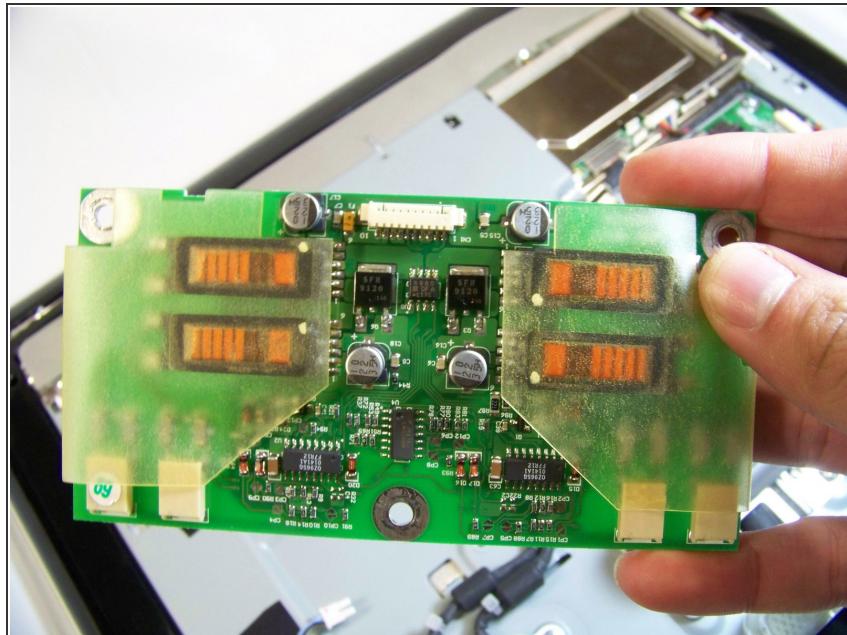
## Step 9



- Remove these five cables connection the inverter to the backlights and logic board.

**(i)** Taking note where they connect to for reassembly

## Step 10



- Remove and replace the inverter

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