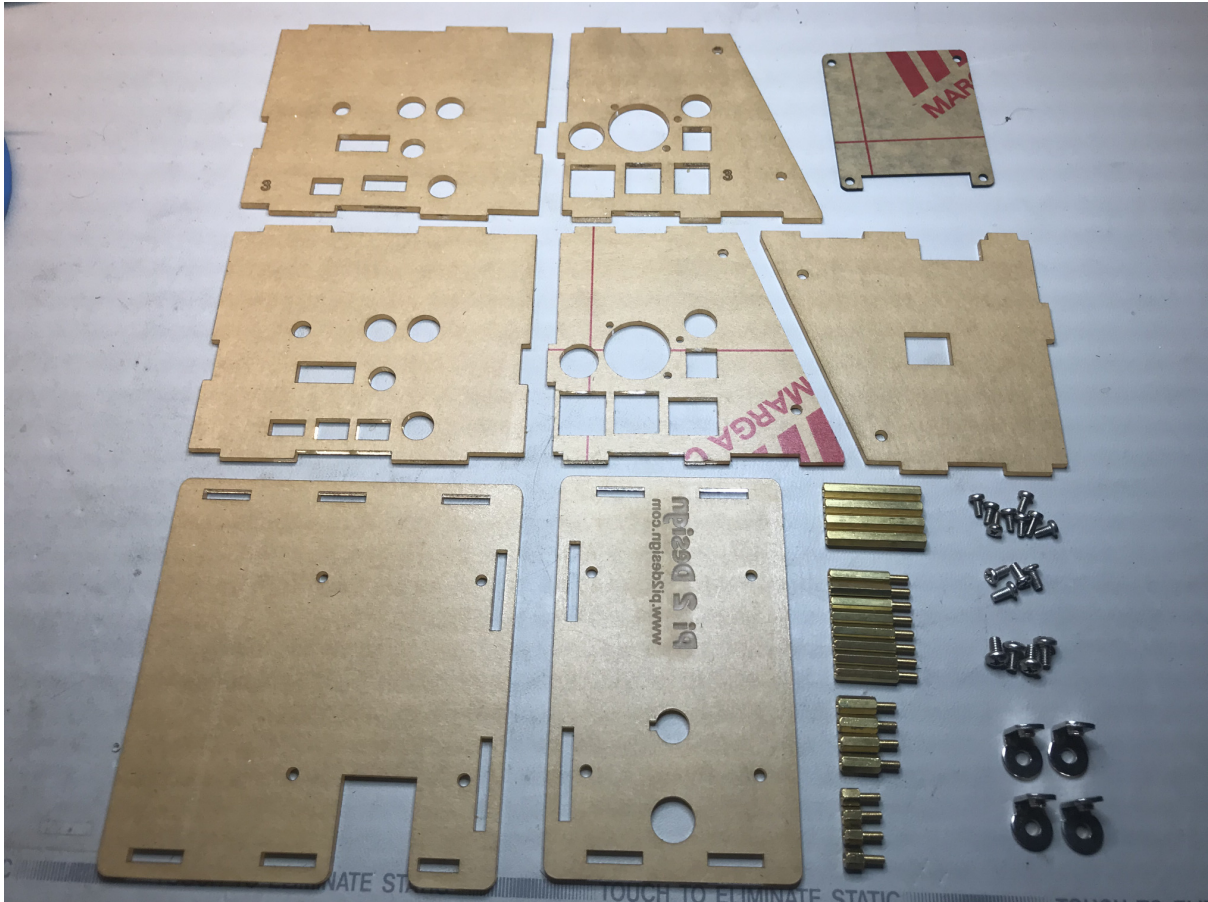


PI2AES 7" Display Case Assembly Instructions



Kit Contents (top left to right):

- Case Left - Pi 3 (Marked with "3")
- Case Front - Pi 3 (Marked with "3")
- 1.6mm Shim
- Case Left - Pi 4
- Case Front - Pi 4
- Case Right
- Case Bottom
- Case Top
- Case Hardware

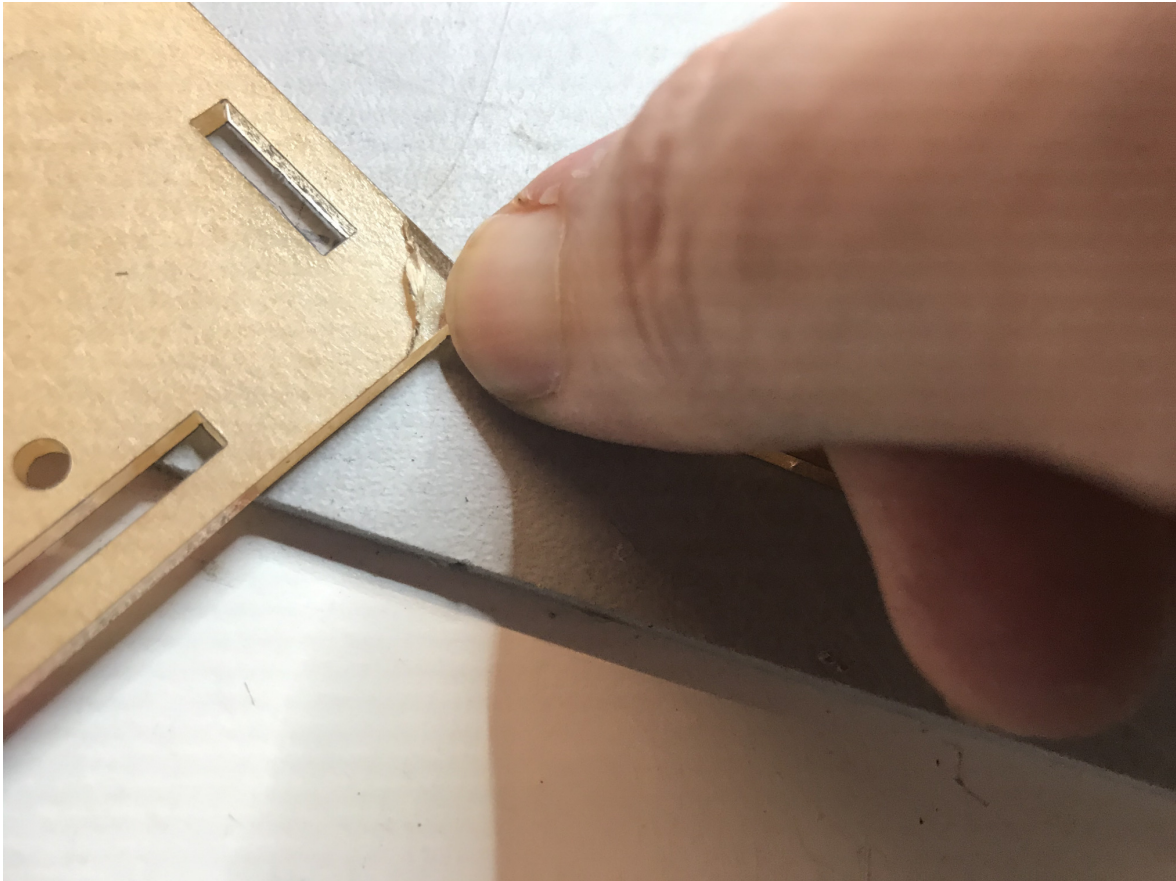
PI2AES 7" Display Case Assembly Instructions



Case Hardware Items:

- M2.5, 30mm Female to Female Standoff x 4
- M2.5, 18mm Male to Female Standoff x 8
- M2.5, 11mm Male to Female Standoff x 4
- M2.5, 5mm Male to Female Standoff x 4
- M2.5, Phillips Head Machine Screw x 8
- M3, Phillips Head Machine Screw x 4
- 6-32, Phillips Head Machine Screw x 4
- Keystone Brackets

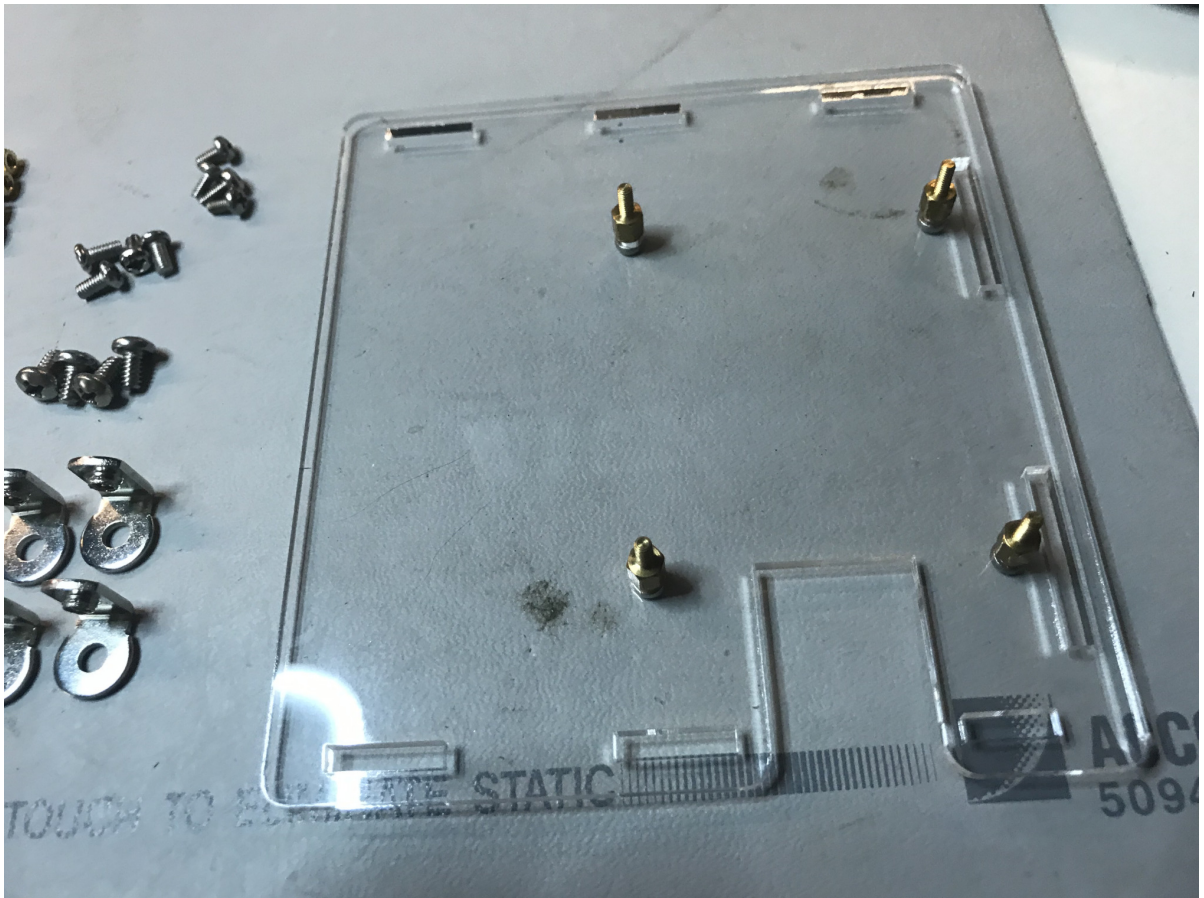
PI2AES 7" Display Case Assembly Instructions



Step 1 - Remove Paper Backing

Using your fingernail or the edge of one of the other pieces, carefully remove the paper backing from all case parts.

PI2AES 7" Display Case Assembly Instructions



Step 2 - Attach Bottom Standoffs

Attach the four M2.5, 5mm Male to Female Standoffs to the case bottom using four M2.5 Phillips Head Machine Screws. Do not tighten at this stage.

PI2AES 7" Display Case Assembly Instructions



Step 3 - Place the Pi (3 or 4)

Place the Raspberry Pi onto the four case bottom standoffs. Note the orientation of the Pi versus the open slot on the case bottom.

PI2AES 7" Display Case Assembly Instructions



Step 3 - Attach standoffs to the Pi (3 or 4)

Attach the four M2.5, 18mm Male to Female Standoffs to the Pi. Hand tighten. Tighten the case bottom screws at this point.

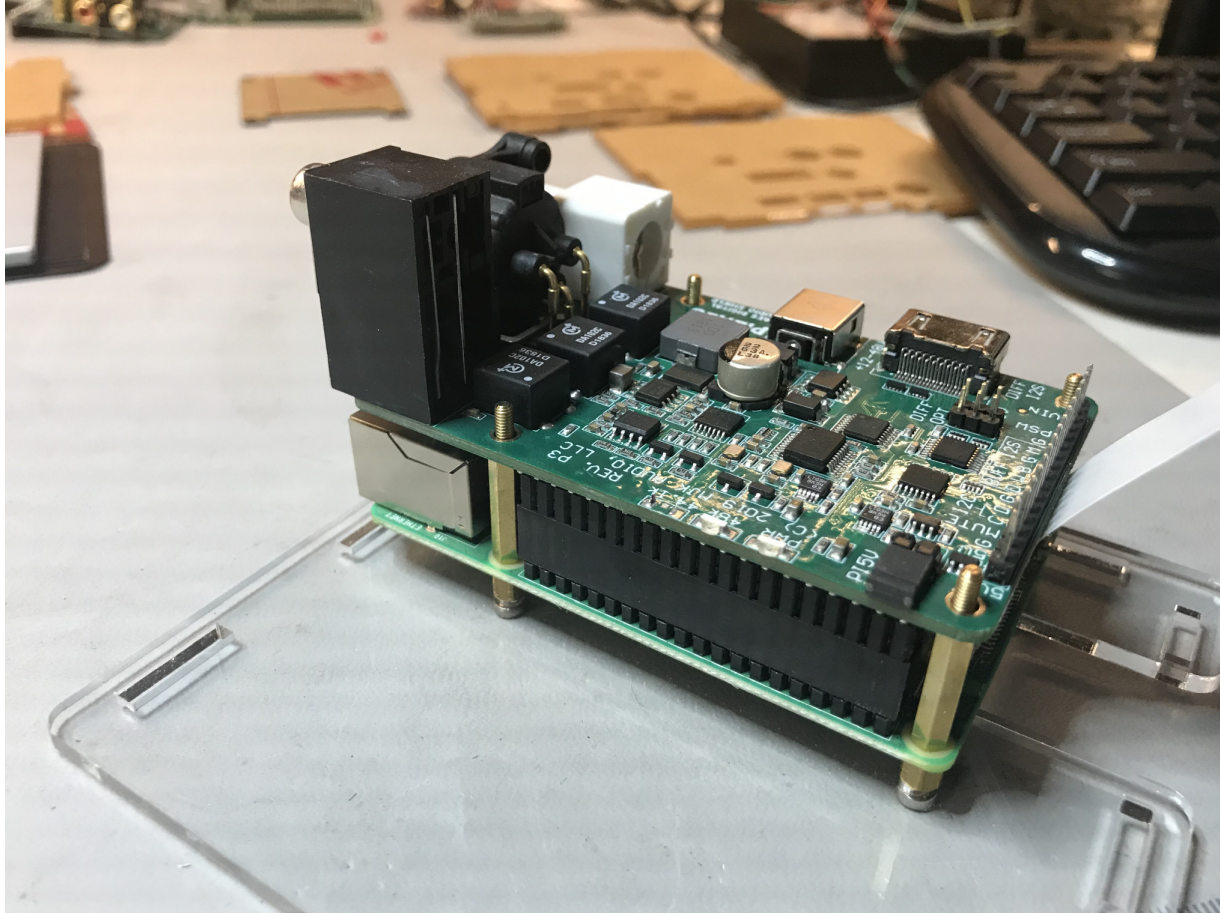
PI2AES 7" Display Case Assembly Instructions



Step 4 - Attach the LCD Flex Cable to the Pi (3 or 4)

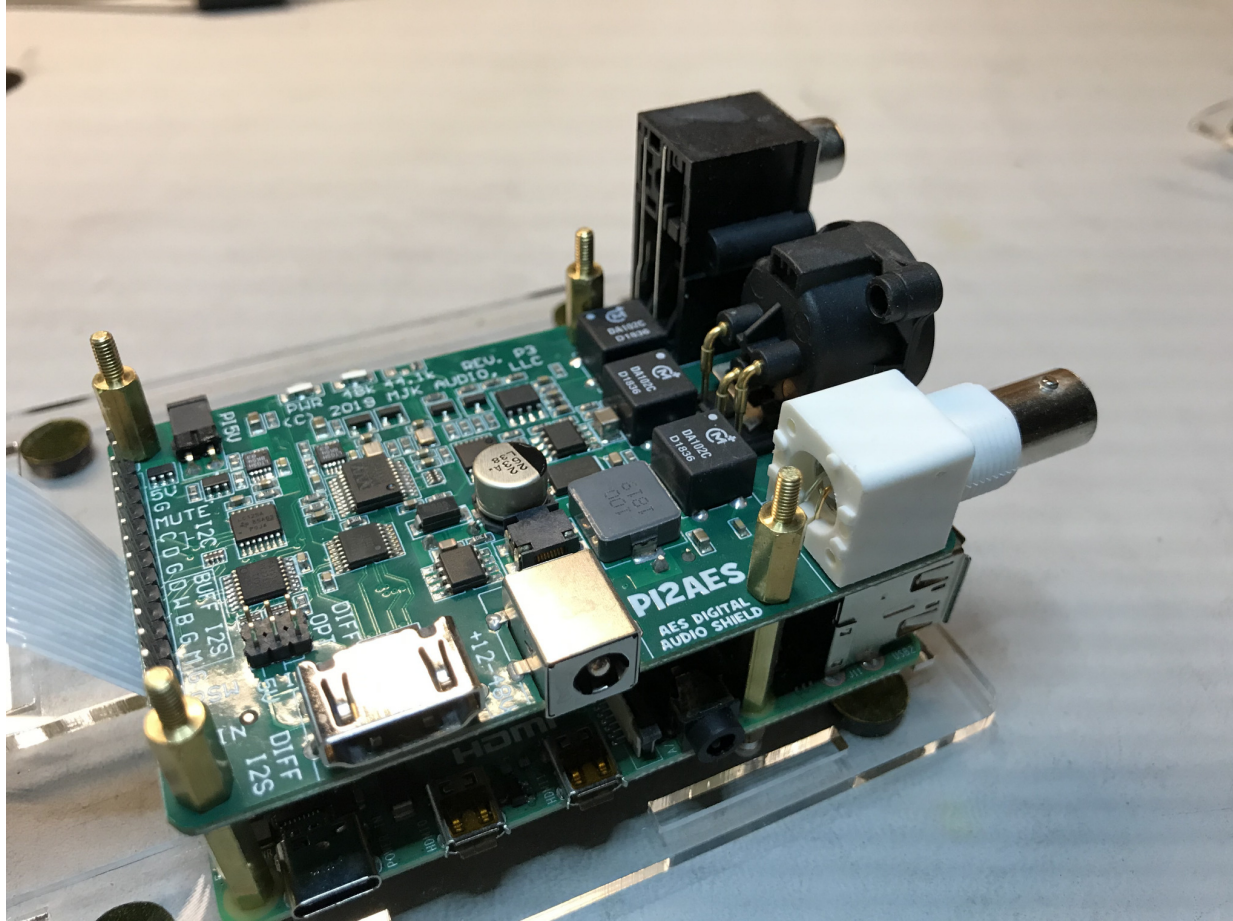
Get the LCD Flex Cable from the Raspberry Pi 7" Display kit. Lift the collar on the Raspberry Pi DSI Connector. Insert one end of the Flex Cable into the DSI connector until it sits as shown above. The blue strip should face away from the Pi.

PI2AES 7" Display Case Assembly Instructions



Step 5 - Attach the PI2AES to the Pi (3 or 4)

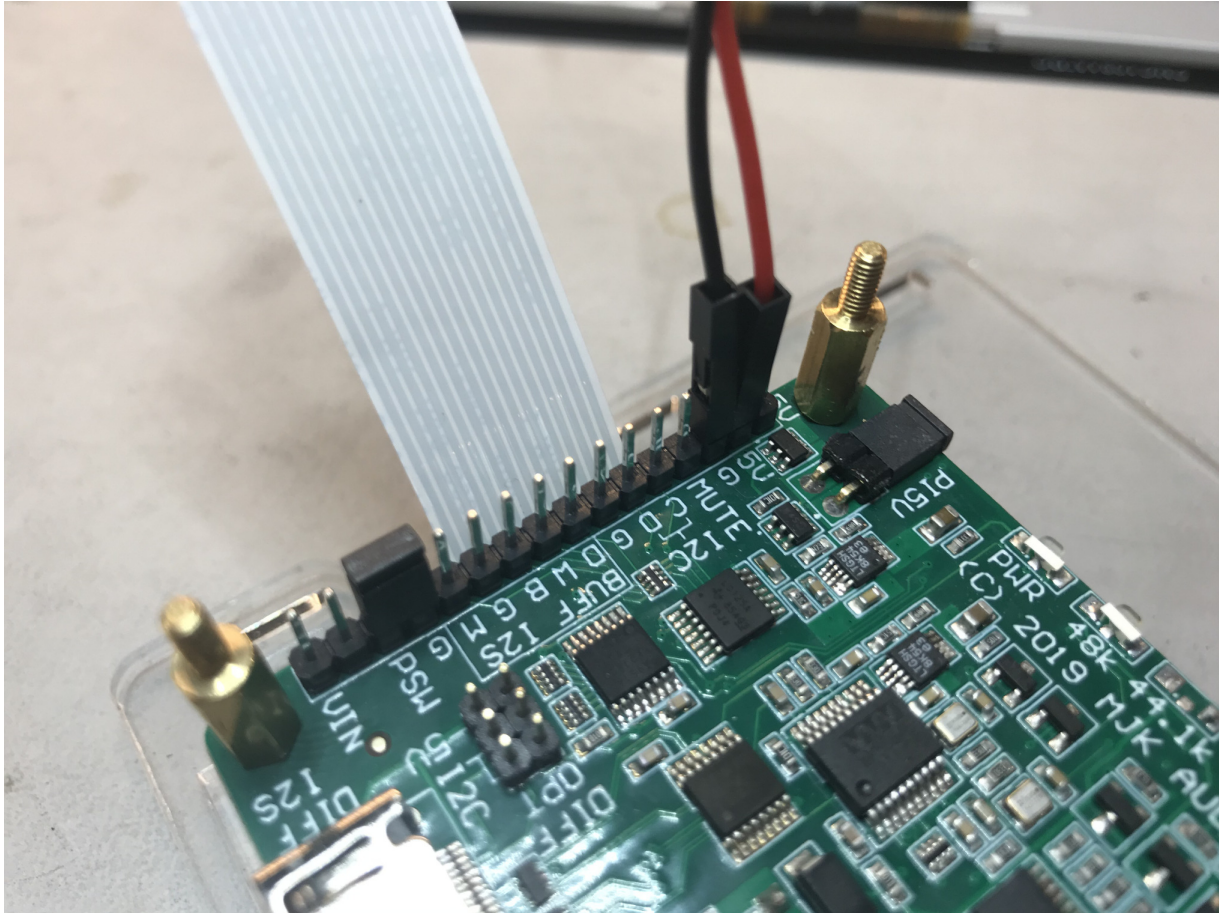
Carefully place the PI2AES onto the Raspberry Pi 18mm standoffs. Do not bend the Pi pins.



Step 6 - Attach the standoffs to the PI2AES

Place the M2.5, 11mm Male to Female Standoffs on to the PI2AES. Tighten with pliers or 5mm hex driver. Do Not Over Tighten.

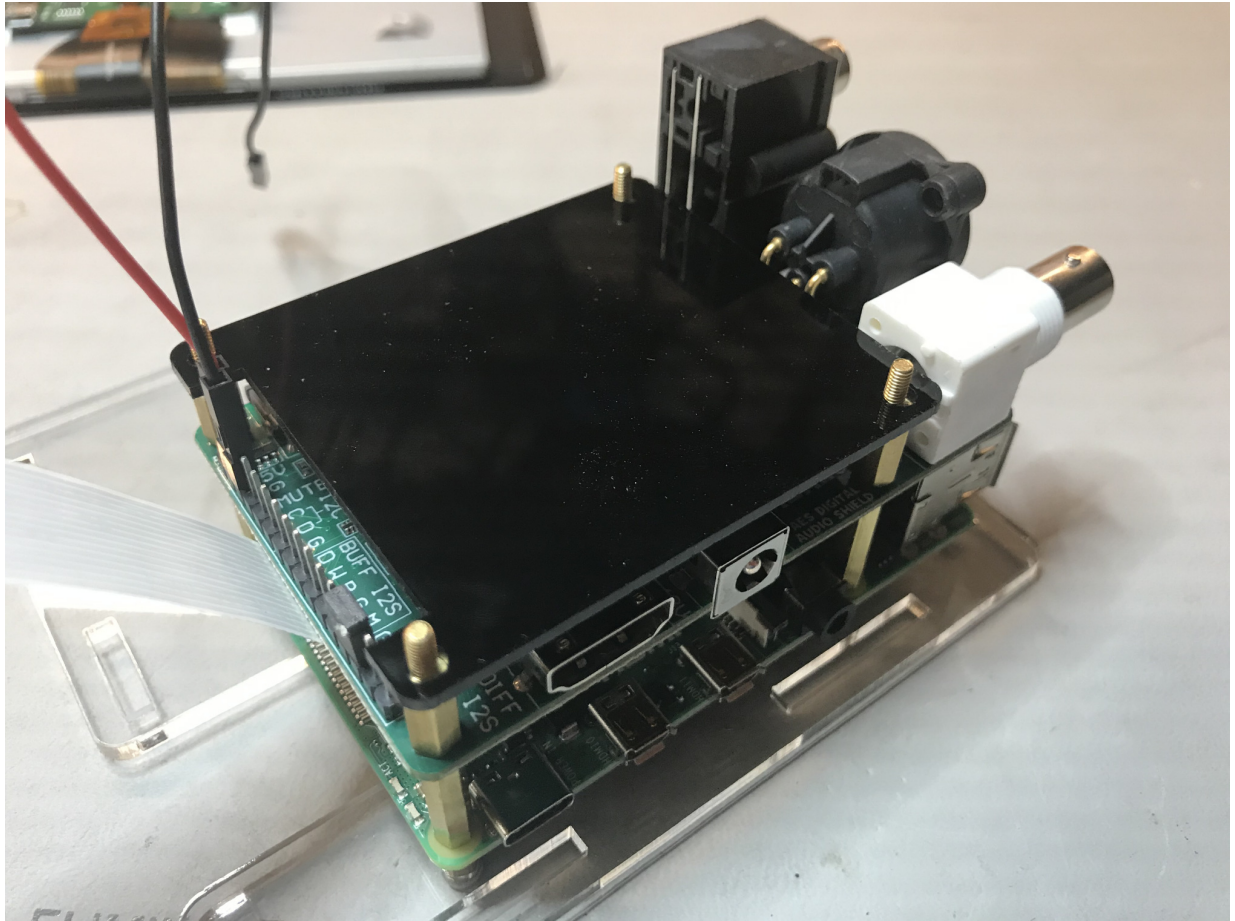
PI2AES 7" Display Case Assembly Instructions



Step 7 - Connect LCD Power to PI2AES

Connect the Red (+5V) and Black (Ground) jumper wires from the LCD Kit to the PI2AES Header pins 2 and 3 as shown. **Double check as placing this incorrectly will damage the PI2AES and/or LCD display.**

PI2AES 7" Display Case Assembly Instructions



Step 8 - Place the 1.6mm Shim on the PI2AES

Place the black 1.6mm Shim plate onto the PI2AES. Note that if you have the PI2AES-RJ45, place that instead of the Shim.

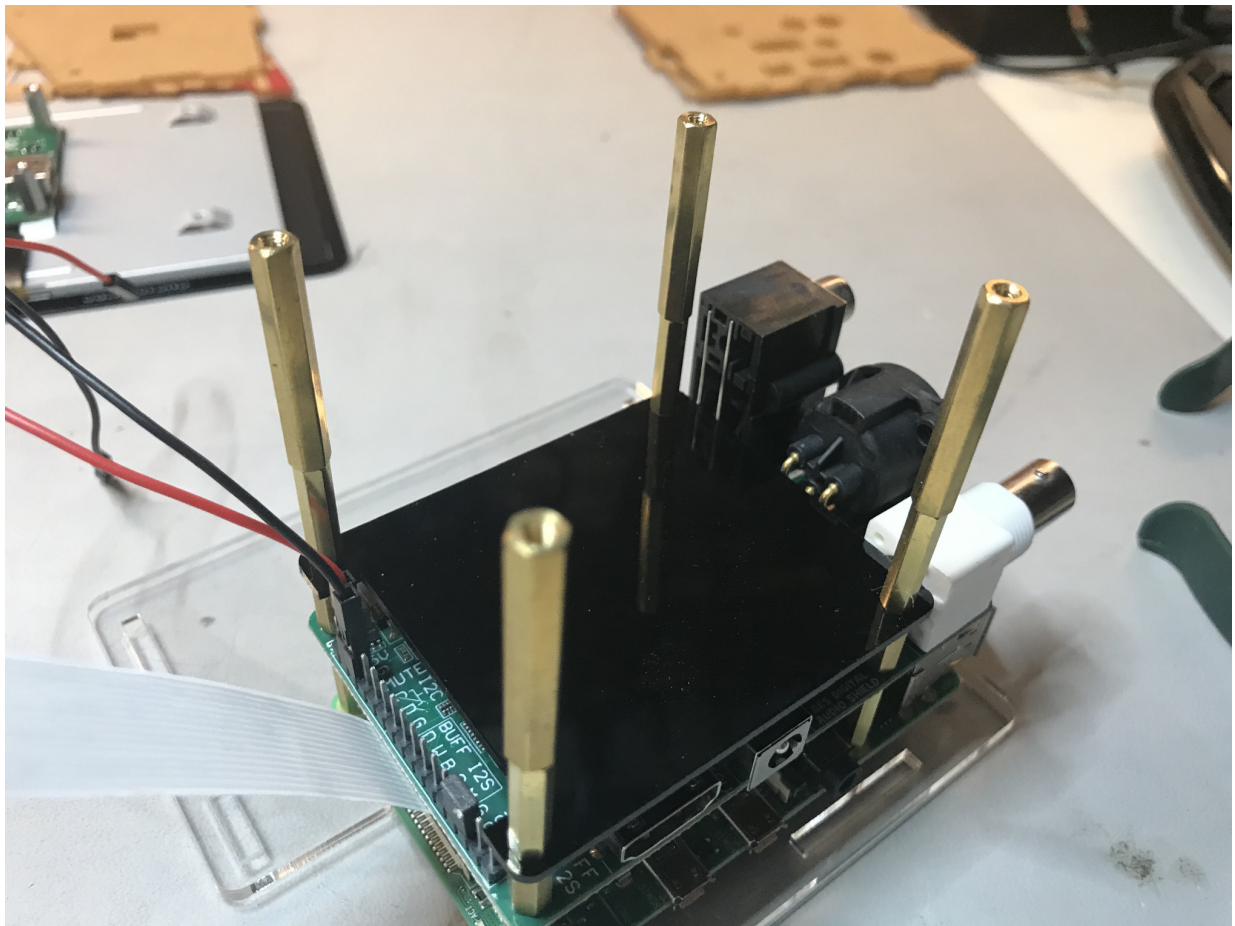
PI2AES 7" Display Case Assembly Instructions



Step 9 - Screw the 18mm & 30mm standoffs together

Connect the M2.5, 18mm Male to Female Standoffs to the M2.5, 30mm Female to Female standoffs.

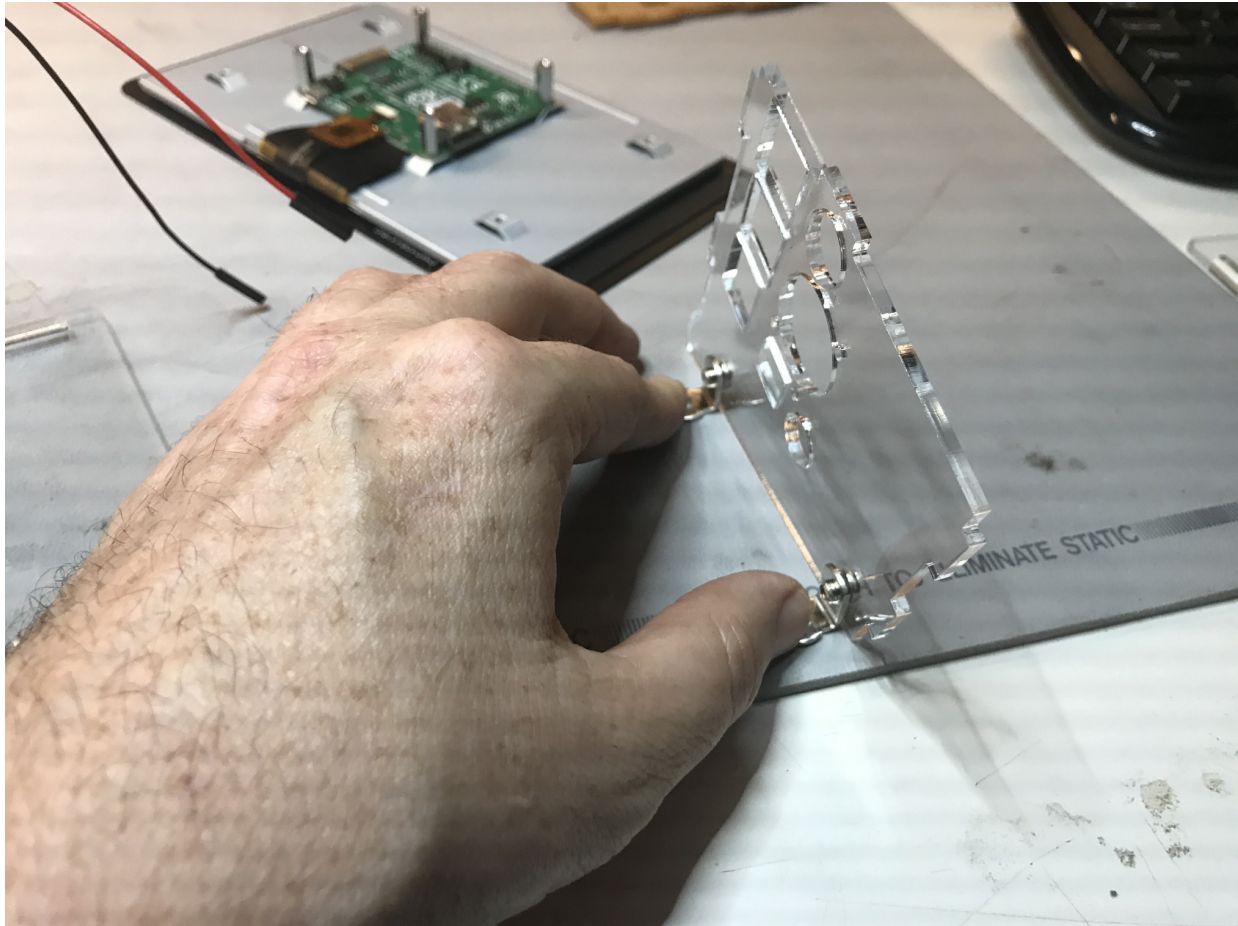
PI2AES 7" Display Case Assembly Instructions



Step 10 - Attach the 18mm/30mm standoffs to the PI2AES

Place the combined 18mm/30mm standoffs onto the PI2AES. Tighten with pliers or 5mm hex driver. Do Not Over Tighten.

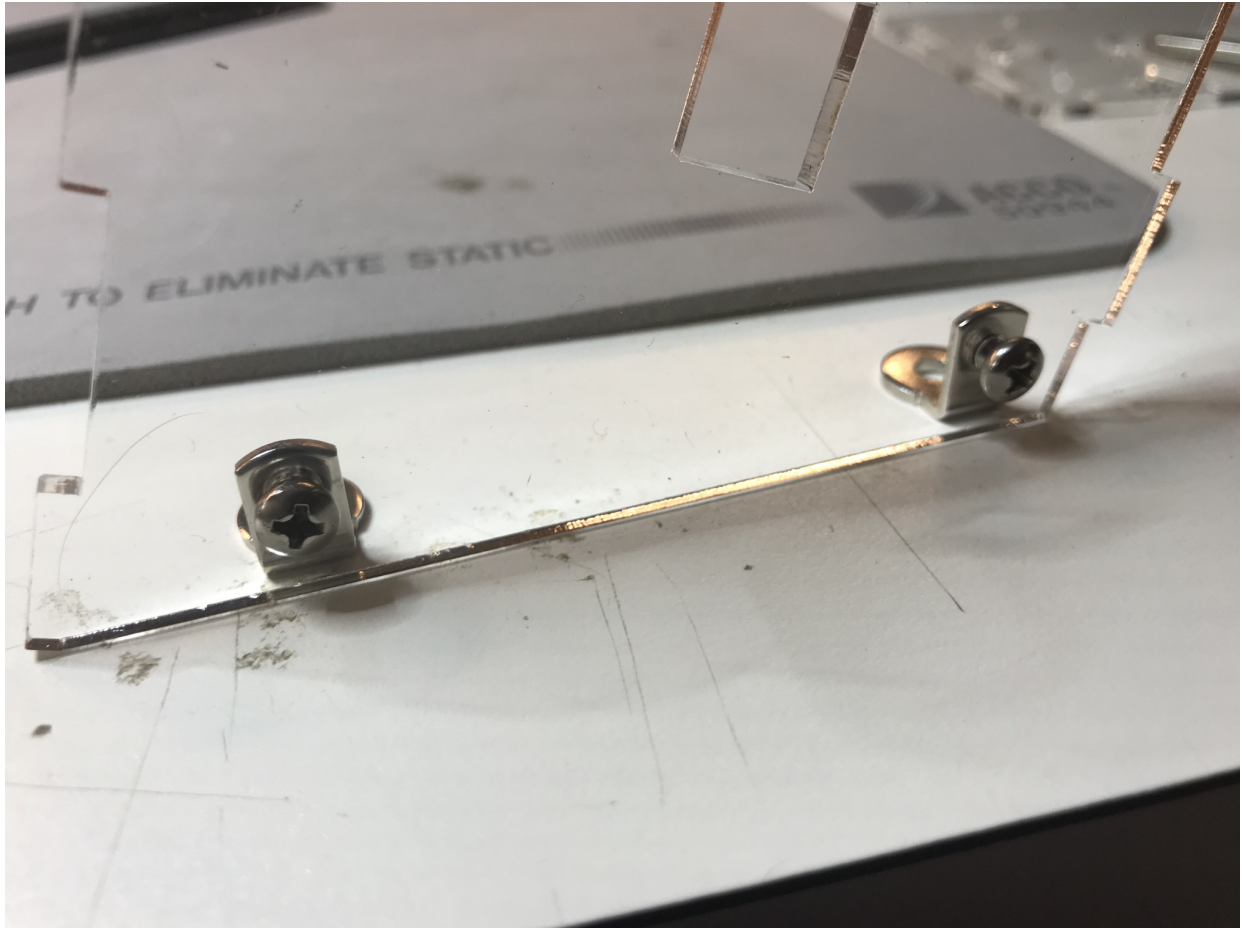
PI2AES 7" Display Case Assembly Instructions



Step 11 - Attach the Keystone Brackets to the Front

Attach the Keystone brackets to the front panel as shown. Align them to the bottom edge of the case parts before tightening. Do not over tighten. Note that the bracket opening needs to be on the outside of the case.

PI2AES 7" Display Case Assembly Instructions



Step 12 - Attach the Keystone Brackets to the Rear

Attach the Keystone brackets to the rear panel as shown. Align them to the bottom edge of the case parts before tightening. Do not over tighten. Note that the bracket opening needs to be on the outside of the case.

PI2AES 7" Display Case Assembly Instructions



Step 13 - Attach the LCD Cable to the display board

Attach the LCD Flex cable to the display controller board as shown. The blue side must face the board.

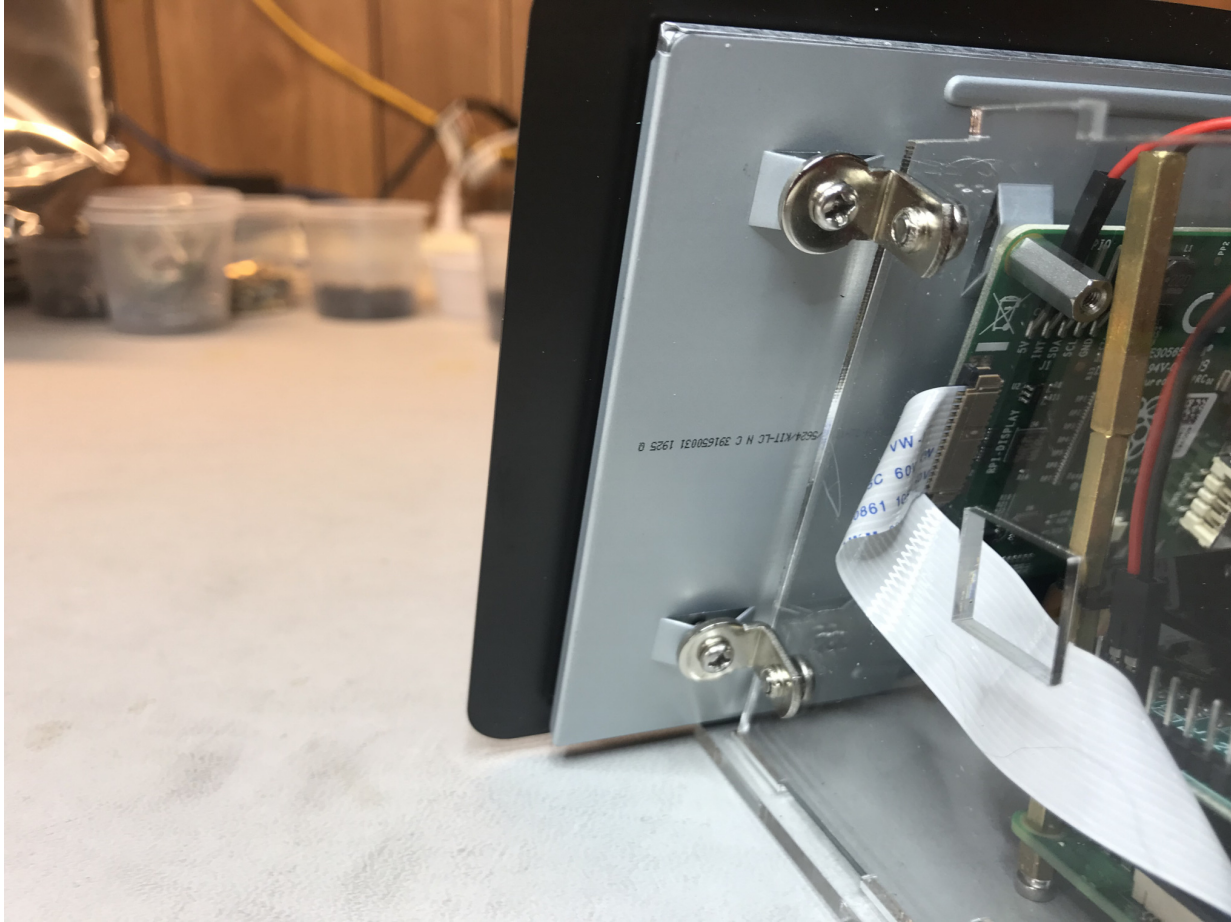
PI2AES 7" Display Case Assembly Instructions



Step 14 - Attach the LCD Power and Ground

Attach the LCD red (+5V) and black (Ground) jumpers as shown. **Double check as placing this incorrectly will damage the PI2AES and/or LCD display.**

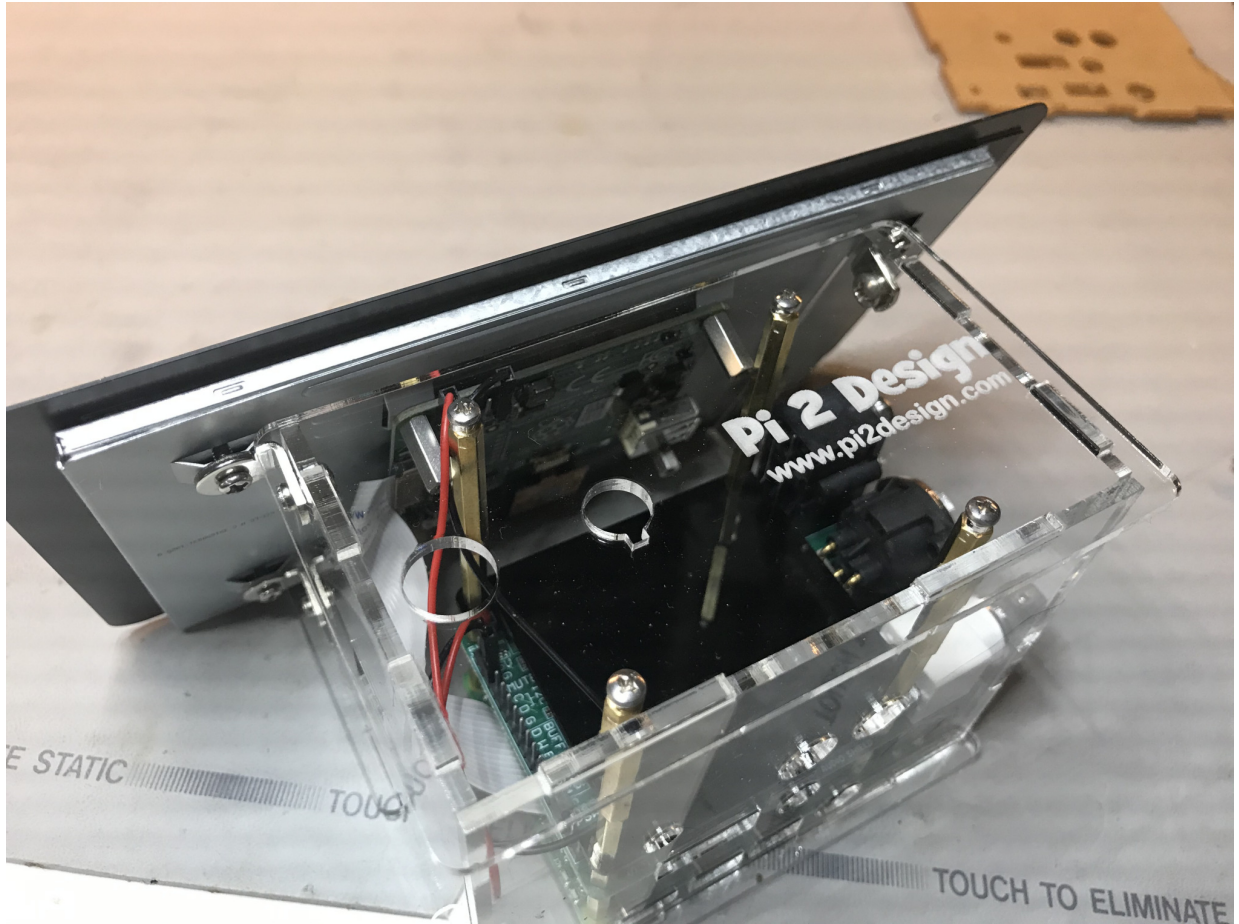
PI2AES 7" Display Case Assembly Instructions



Step 15 - Attach the LCD to the case

While placing the rear and front (Pi 3 or Pi 4) case panels into the bottom of the case, use the 6-32, Phillips Head Machine screws, to attach the brackets to the display.

PI2AES 7" Display Case Assembly Instructions



Step 16 - Attach the left and top case panels

Place the left (Pi 3 or Pi 4) case panel onto the bottom panel, then place the case top panel onto the case assembly as shown and screw it into place with the remaining M2.5, Phillips Head Machine Screws.

PI2AES 7" Display Case Assembly Instructions

Step 17 - Insert SD Card and Boot

Place your programmed SD Card into the Pi and apply power via the 2.5mm barrel jack on the PI2AES. Your display should now show the boot up messages and then the player interface (we show this with Moode Audio).

