RASPBERRY PI

FOR ONLINE STUDENTS

Raspberry Pi Build Sheet

Raspberry Pi - MCM Electronics Raspberry Pi 3 Model B Starter Kit – $59.99
Comes with Raspberry Pi 3 Model B w/ 64bit Quad-Core 1.2 GHz Processor, a 5VDC 2.4A USB power supply, a 16GB microSD card pre-loaded with NOOBS operating system, and a case.

Inland iK100 USB 107-Key Keyboard – $3.99

Inland USB Optical Mouse – Black - $3.99

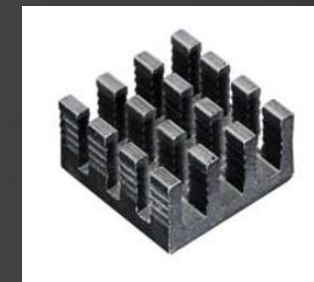**HDMI Cable - Targus 6 ft. All Direction HDMI Cable – $7.99**

4GB USB 2.0 Flash Drive (Optional) - $4.49

Heat Sinks (optional – recommended) –
Adafruit Industries Aluminum Heat Sink for Raspberry Pi 3 - 14 x 14 x 8mm = $1.49 x 2
Adafruit Industries Mini Aluminum Heat Sink for Raspberry Pi 3 - 13 x 13 x 3mm = $0.99

Total = $84.42 (pre-tax) as of 8/2/17

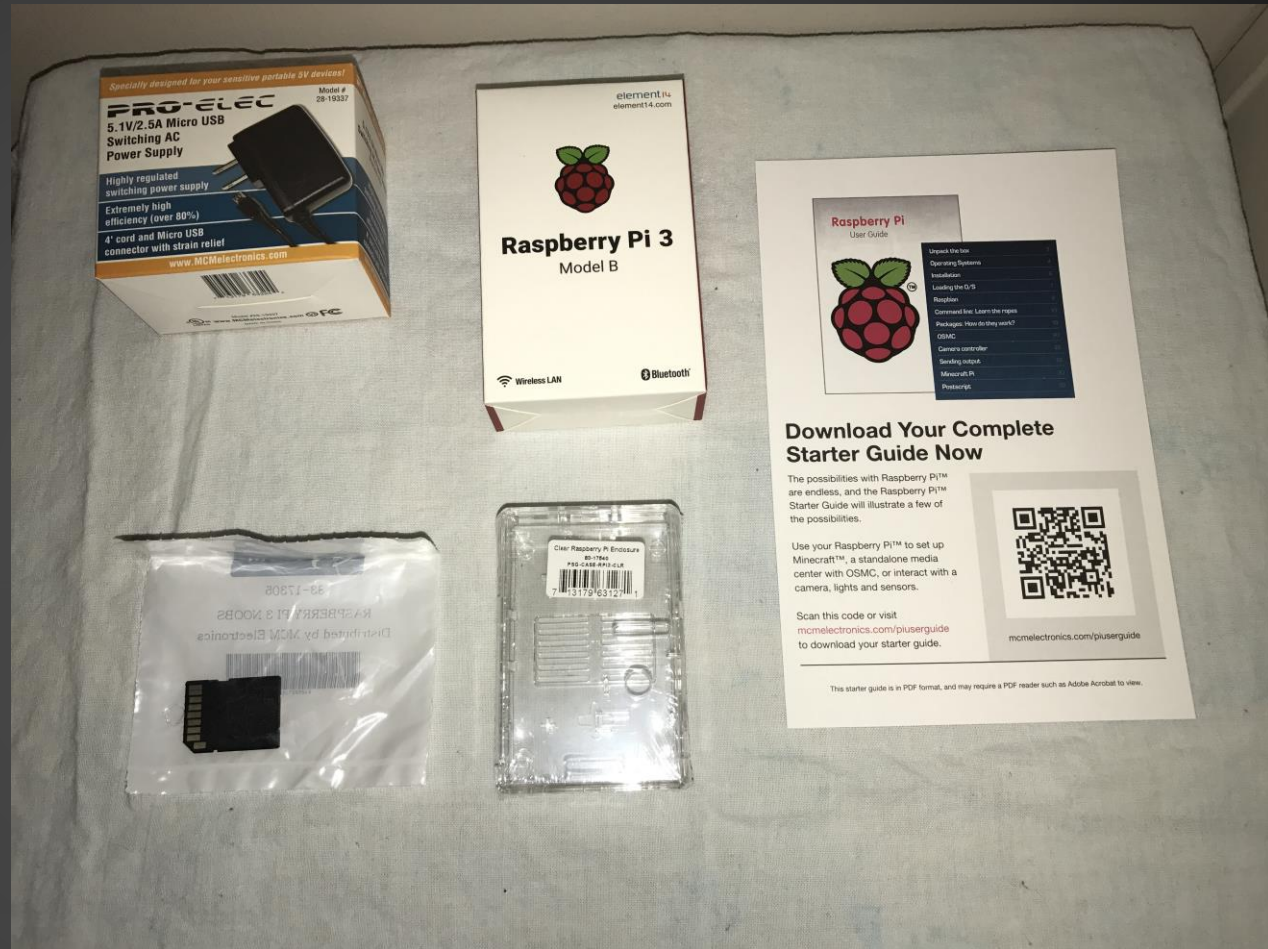## MY RECEIPT

(purchased a few months ago)

JUST OUT OF THE BAG

One computer, coming up!
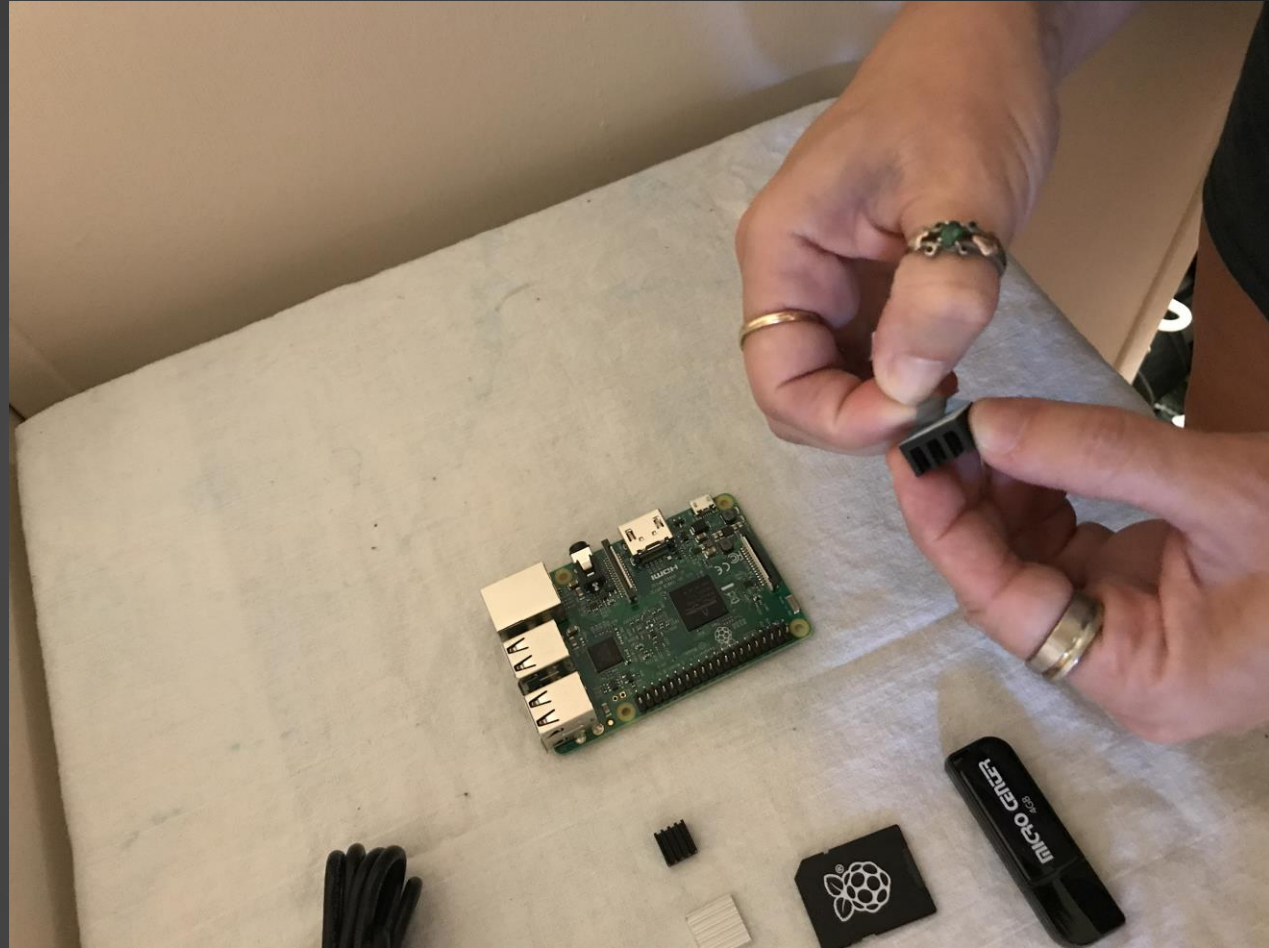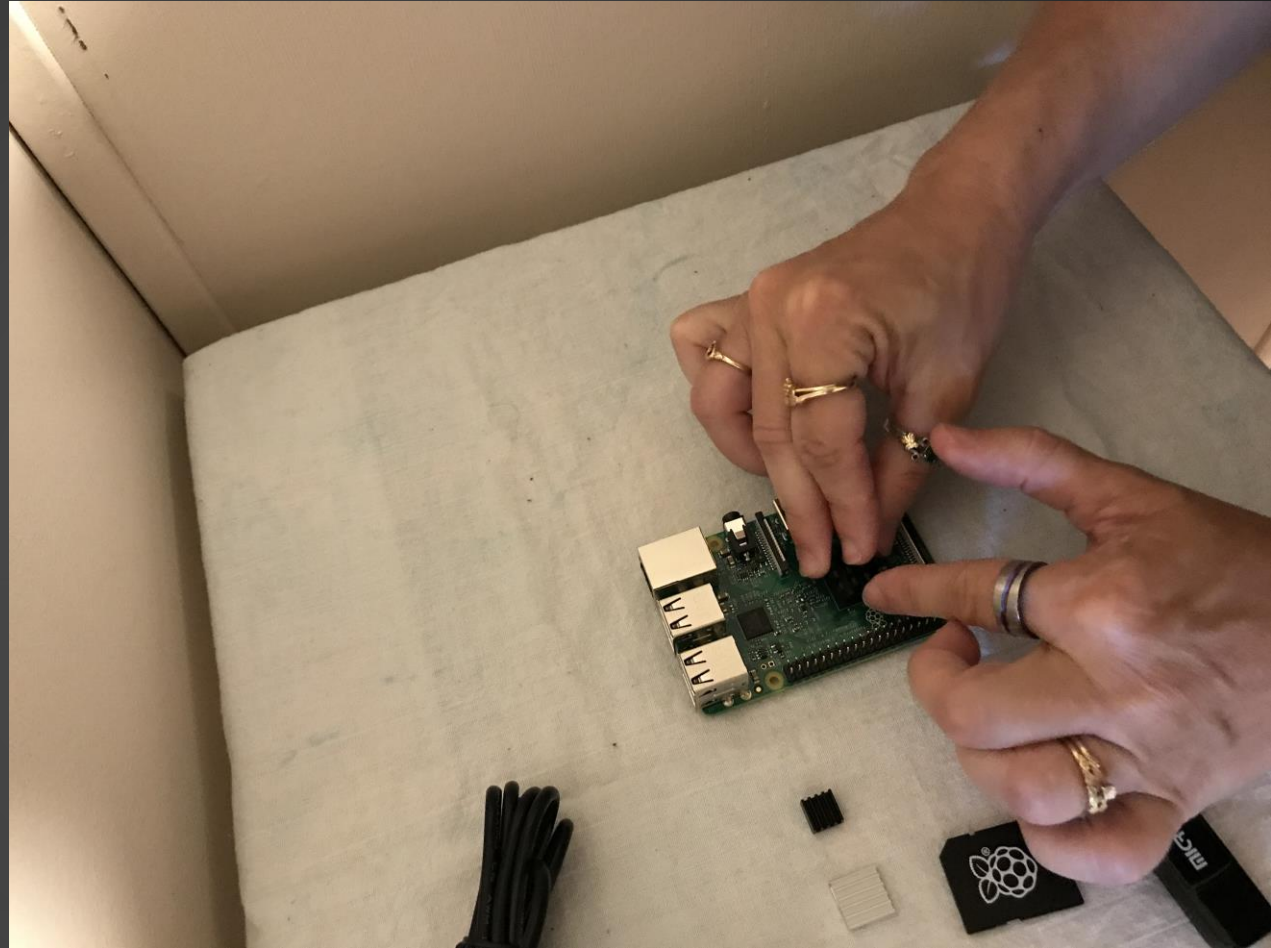
INSIDE THE PI 3 MODEL B

UNPACKING

PEEL AND STICK

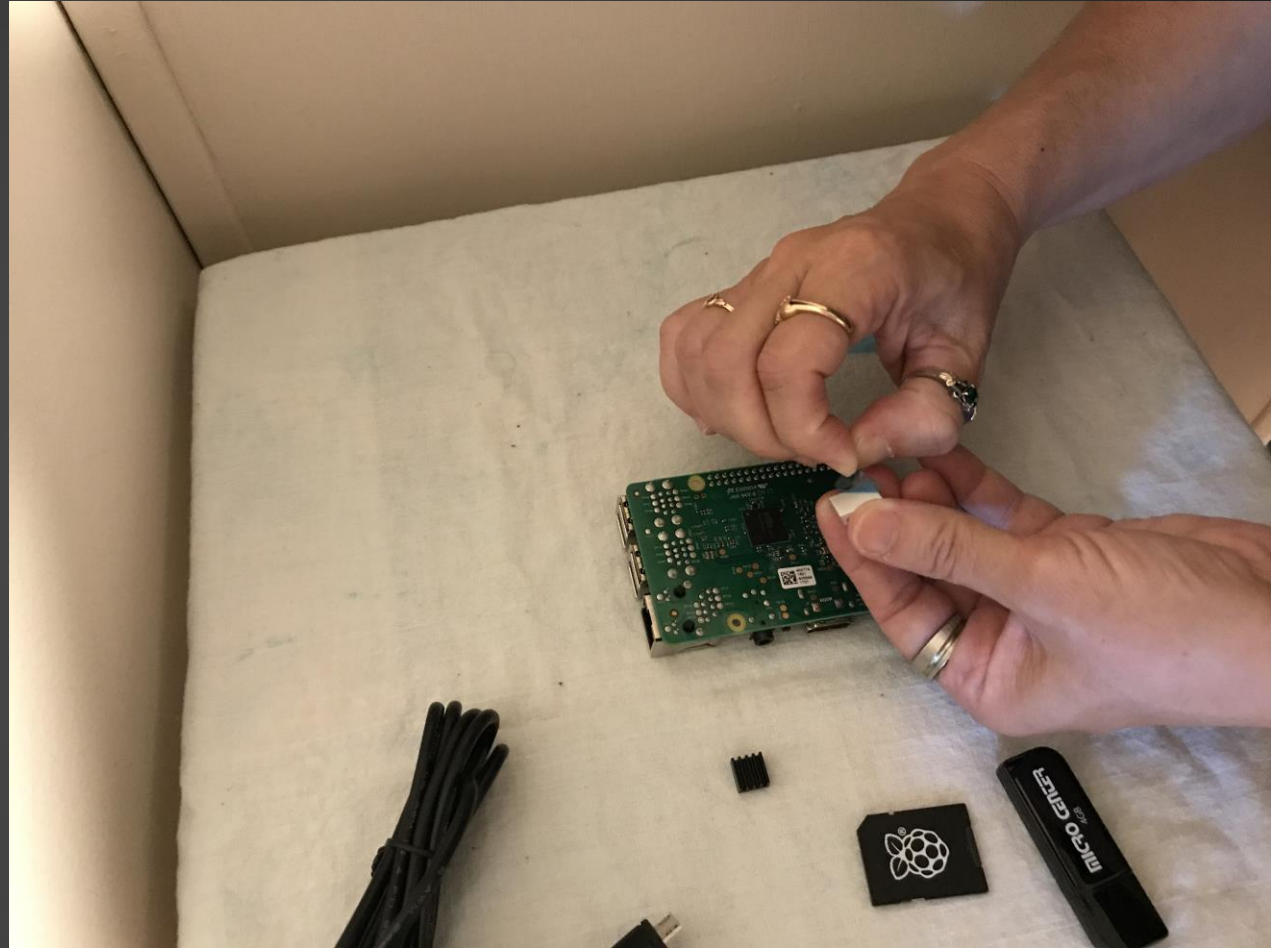Reducing heat with small heat sinks

BLACK SQUARES

Stick heat sink to chip

FLIP THE BOARD
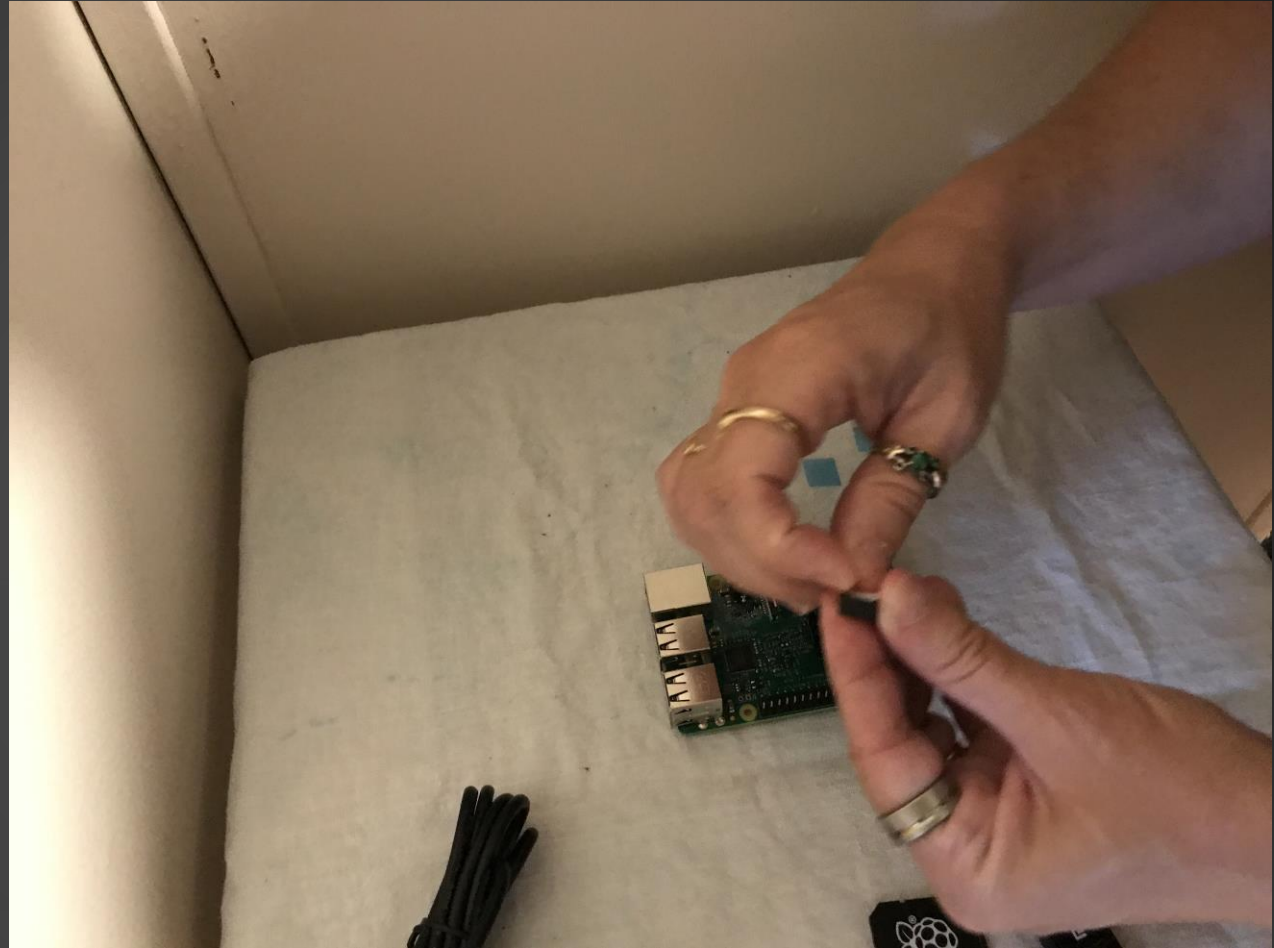
Peel and stick the silver square to the black chip

STICK

Silver square in place

FLIP AGAIN

One more to go

STICK IT

Match 2nd black heat sink to small black chip
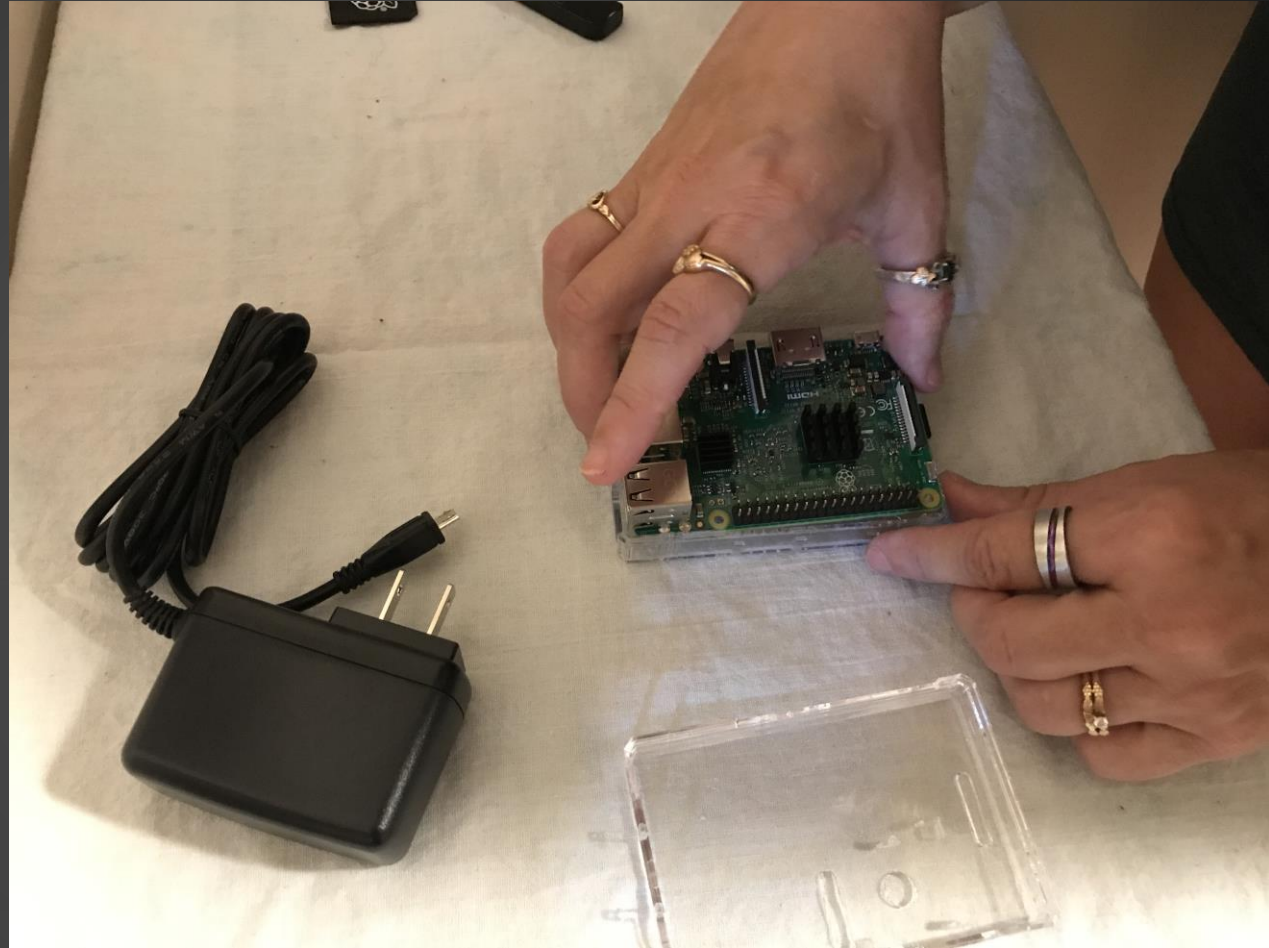
TOP OF BOARD

Heat sinks attached

ASSEMBLE CASE

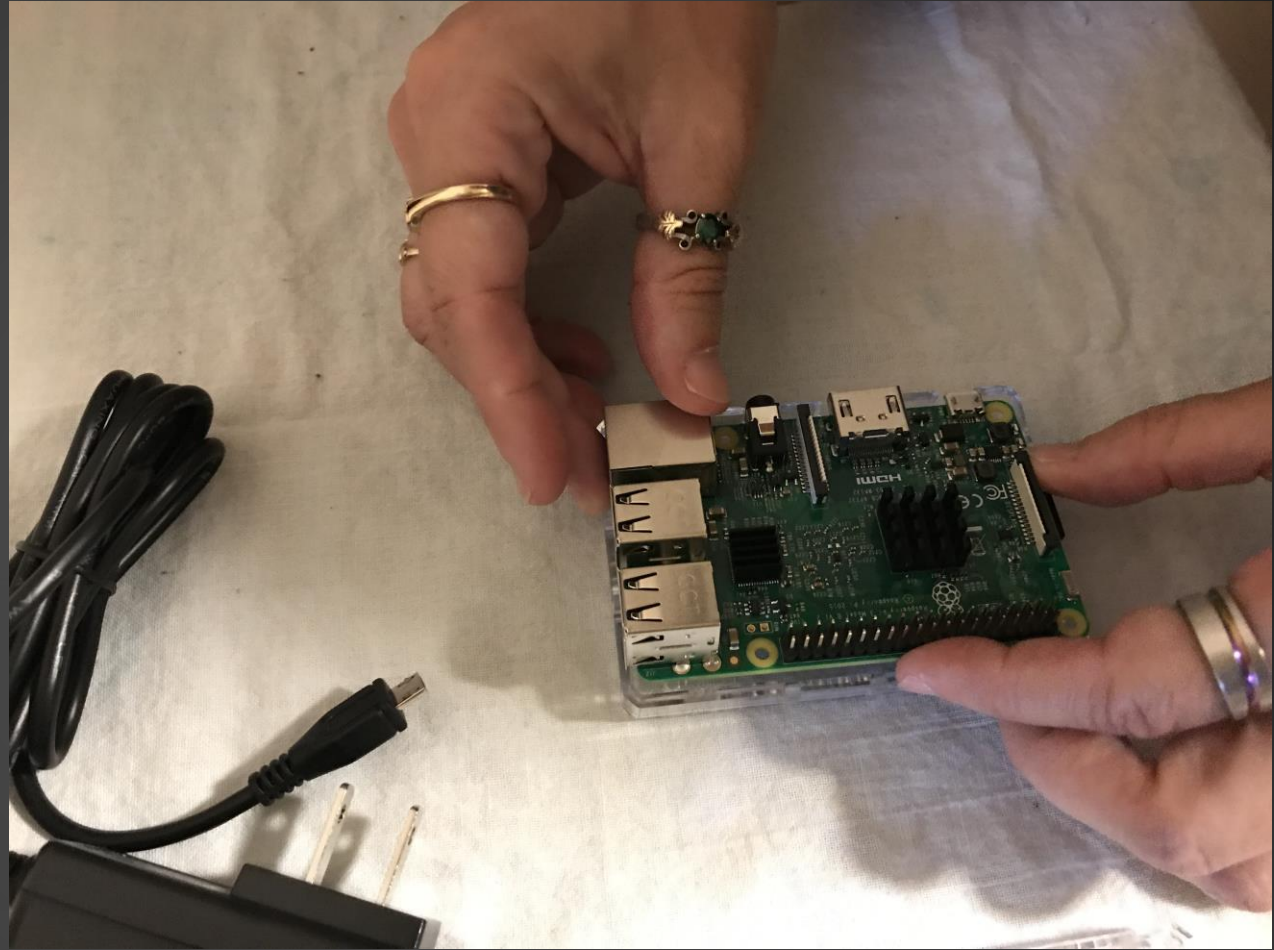Look at the two halves

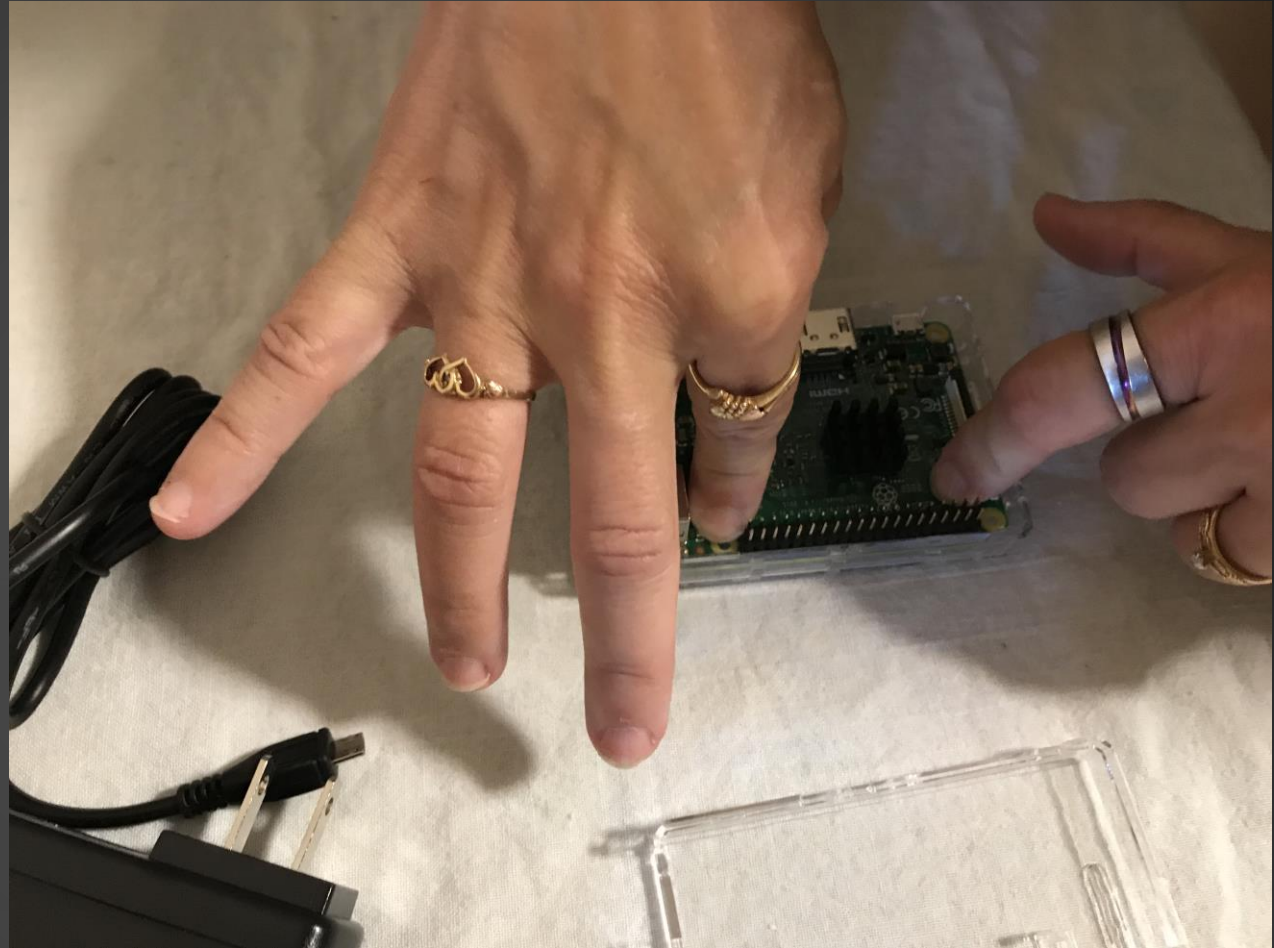# SEAT MOTHERBOARD

Line up USB side

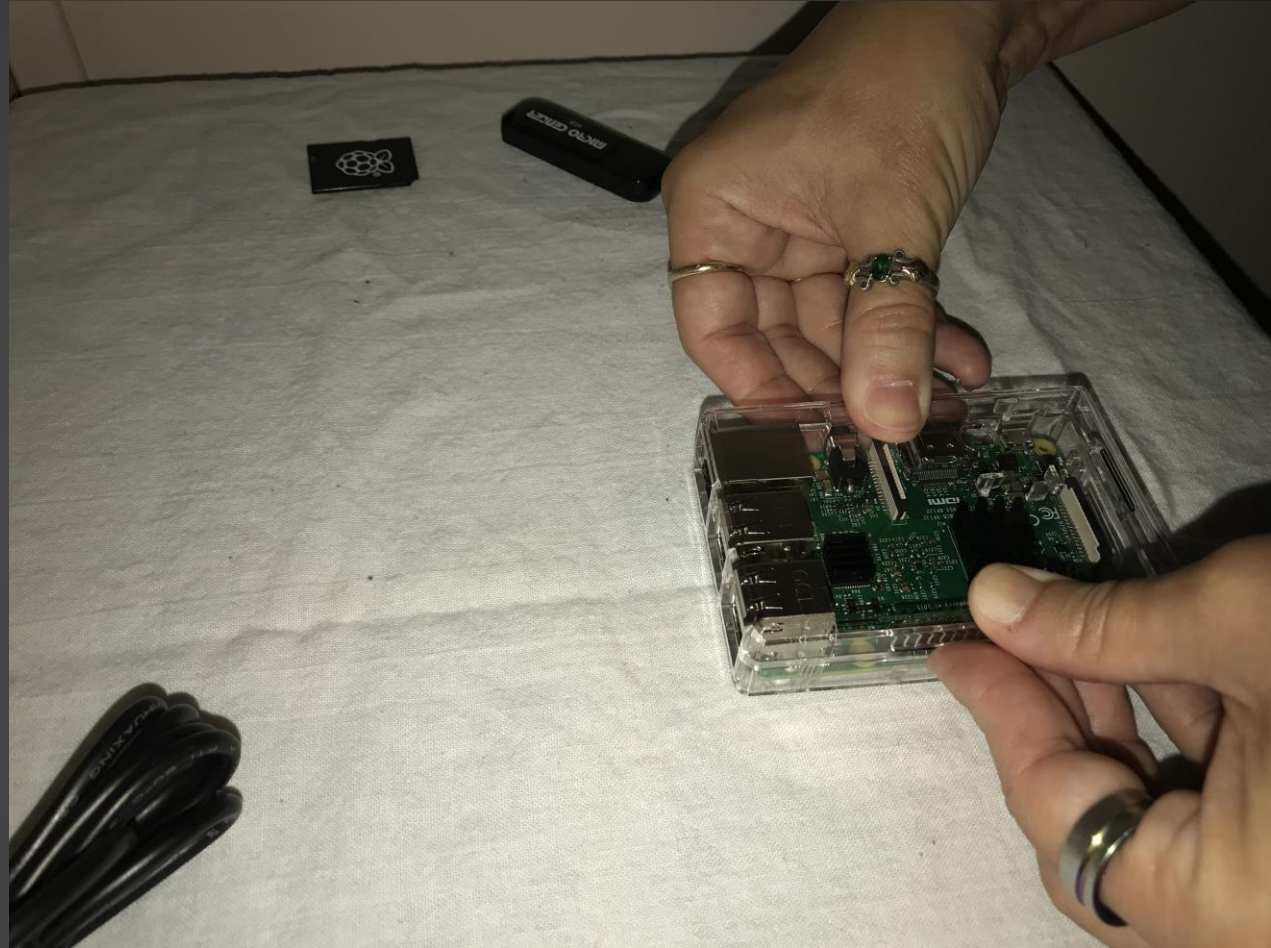SETTLE IT IN

PUSH IT DOWN

Hard

BOARD IS SET

LINE UP CASE TOP

SNAP TOGETHER

PULL OUT SD

Use fingernail

READY TO INSERT SD

INSERT SD

Face the metal to the board and push in until it clicks.

SEATED SD

PLUG IN POWER

Next to HDMI port

PLUG IN USB DRIVE

USB PLUGGED IN

PLUG IN MOUSE AND KEYBOARD

USB

PLUG IN HDMI

Next to the power

PLUG HDMI CABLE INTO MONITOR/TV

PLUG POWER INTO THE WALL

READY FOR SOFTWARE SETUP