

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









MY RECEIPT

(purchased a few months ago)

Micro Center
9294 Metcalf Avenue
Overland Park, KS 66212
General Manager Susan Hall
(913) 652-6000

Reference: 191-P0-6597410 Date: 04/27/17 7:28 PM Customer: Micro Center

CSR: JENIFER S.

SALES RECEIPT SALES RECEIPT

1 991125 MCMMAKER RASPBERRY PI 3B STARTE	59.99
Sales ID:	
1 080499 INLANDPRO INLAND PREMIUM USB MO	4.99
Sales ID:	
1 274993 INLANDPRO HDMI-M TO HDMI-M 6 FT	9.99
Sales ID:	
1 081141 INLANDPRO INLAND PREMIUM KEYBOA	5.99
Sales ID:	
1 242834 IPSG USB FLASH DRIVE 4GB EULK	4.49
Sales ID:	
Sales ID.	1 00
2 092148 ADAFRUIT ALUMINUM 13 X 13 X 3MM	1.98
Sales ID:	
1 092684 ADAFRUIT ALUMINUM 14 X 14 X 8MM	1.49
	1.75
Sales ID:	

SUBTOTAL:

TAX:

TOTAL:

88.92

8.09

97.01

JUST OUT OF THE BAG

One computer, coming up!



INSIDE THE PI 3 MODEL B

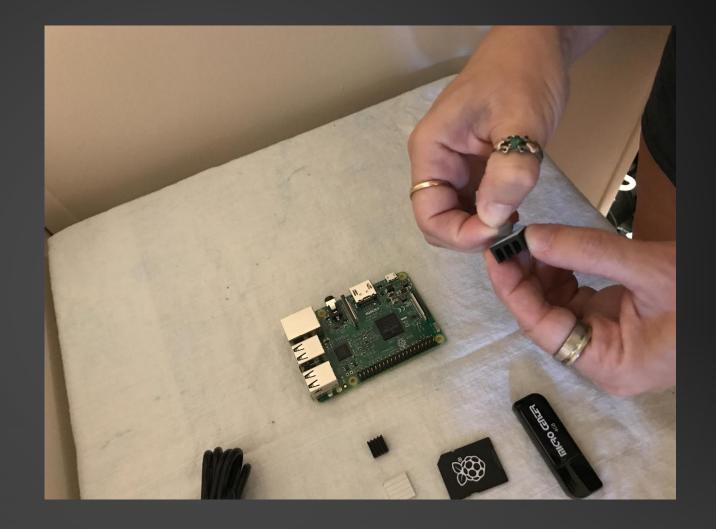


UNPACKING



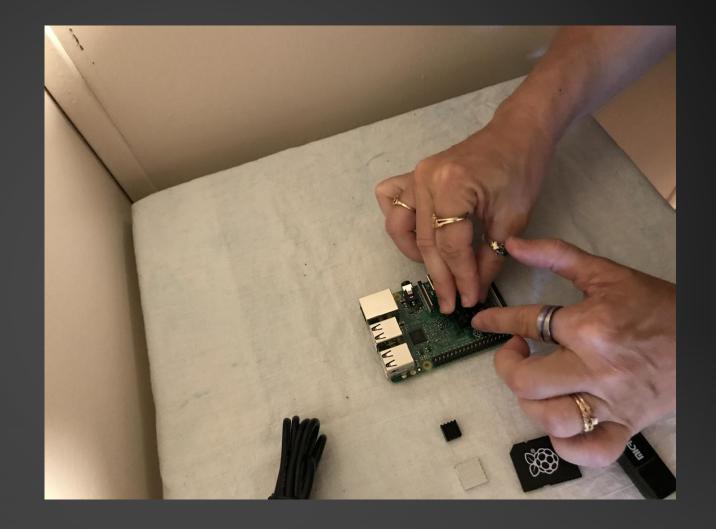
PEEL AND STICK

Reducing heat with small heat sinks



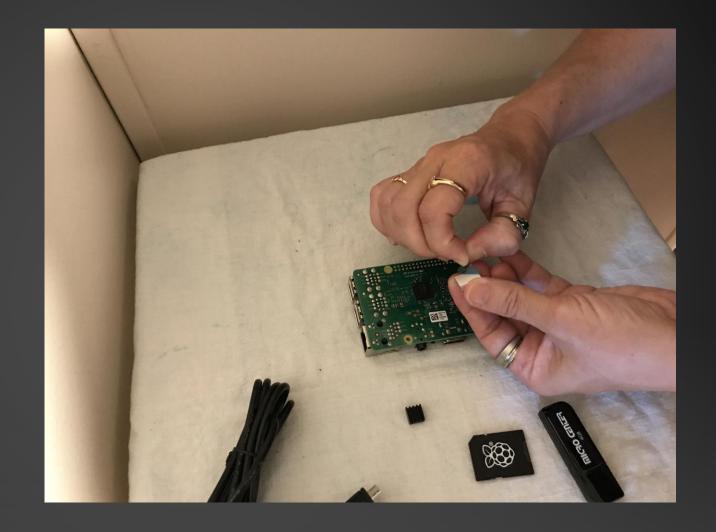
BLACK SQUARES

Stick heat sink to chip



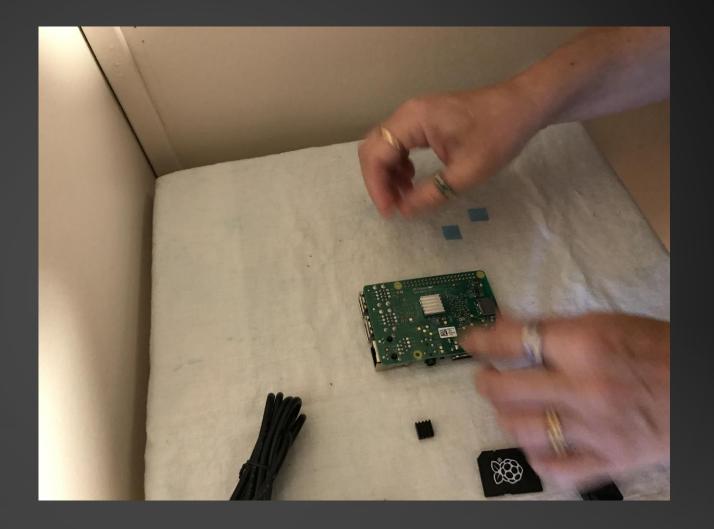
FLIP THE BOARD

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



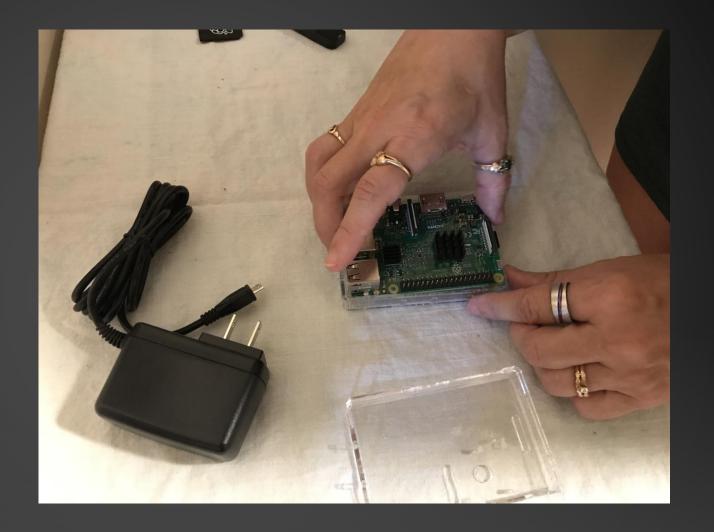
ASSEMBLE CASE

Look at the two halves



SEAT MOTHERBOARD

Line up USB side





PUSH IT DOWN

Hard

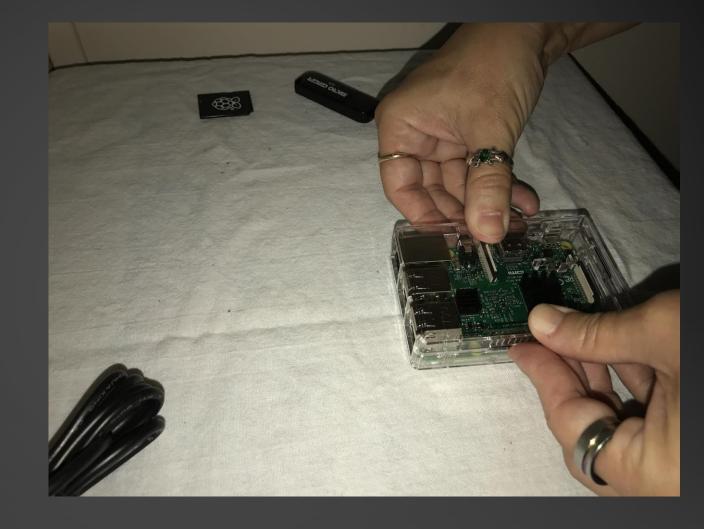


BOARD IS SET



LINE UP CASE TOP

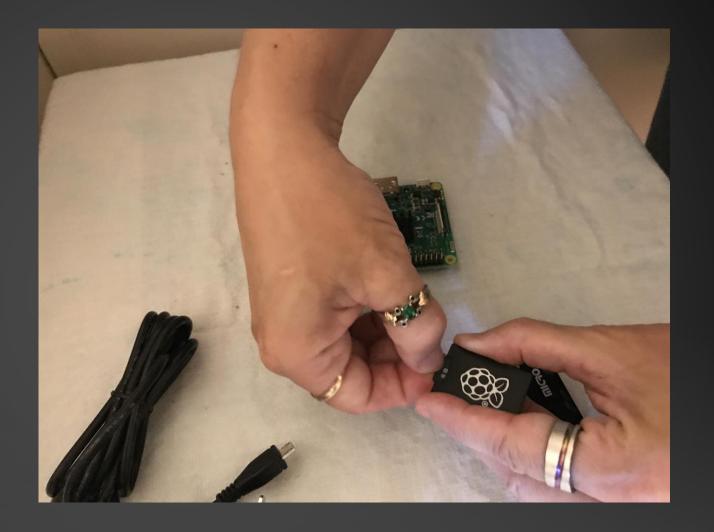




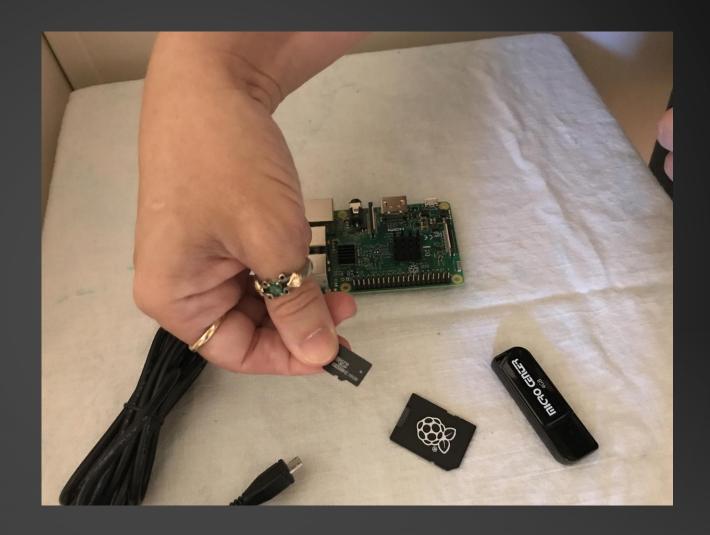
SNAP TOGETHER

PULL OUT SD

Use fingernail

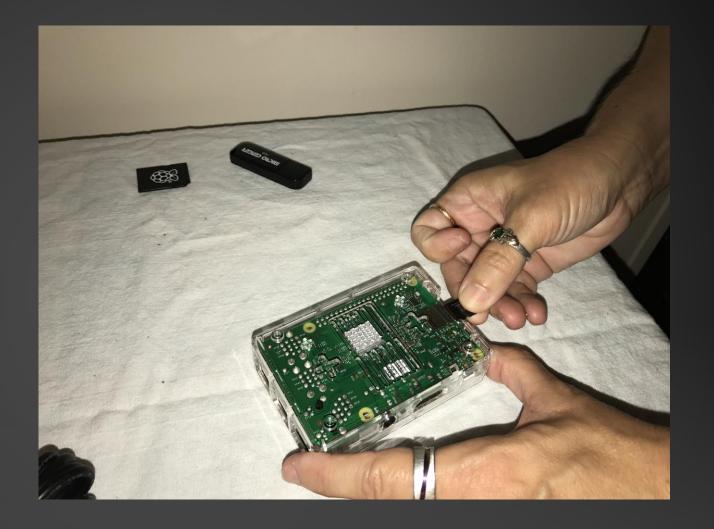


READY TO INSERT SD



INSERT SD

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



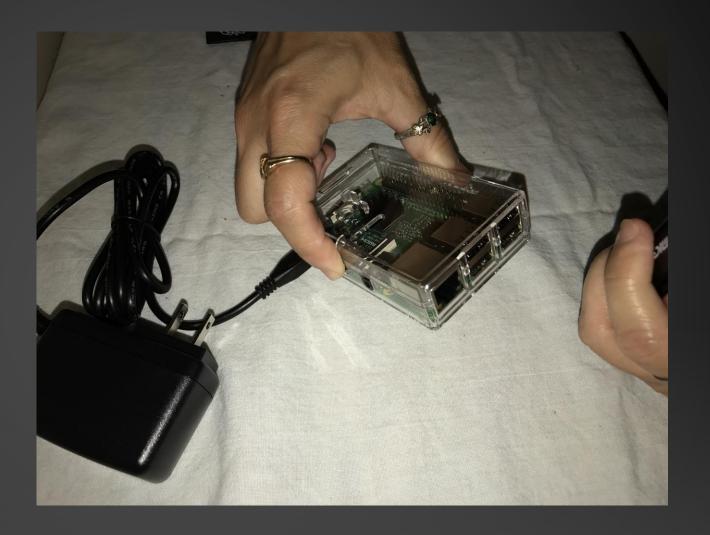
SEATED SD

PLUG IN POWER

Next to HDMI port



PLUG IN USB DRIVE

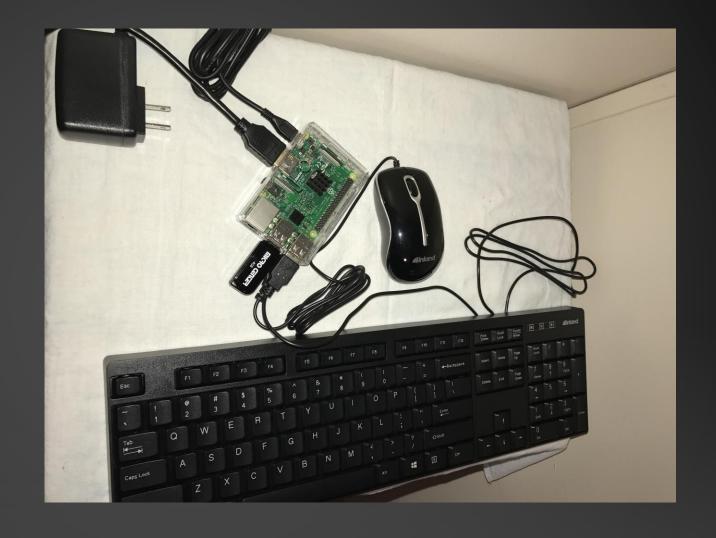


USB PLUGGED IN



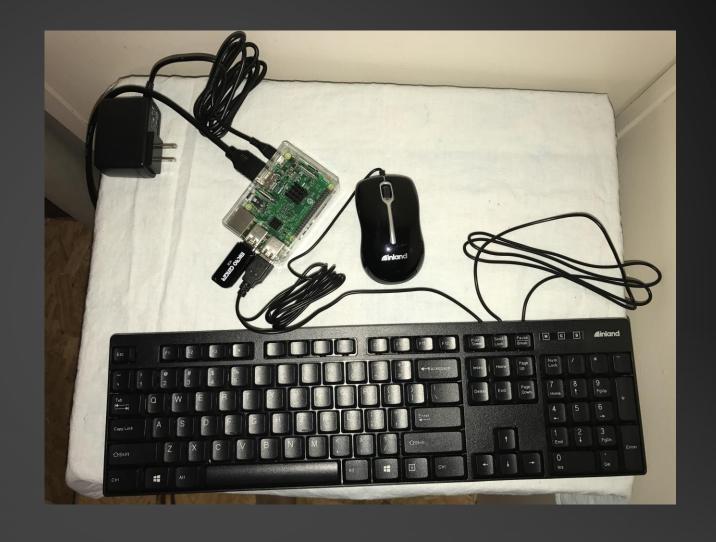
PLUG IN MOUSE AND KEYBOARD

USB



PLUG IN HDMI

Next to the power



PLUG HDMI CABLE INTO MONITOR/TV

PLUG POWER INTO THE WALL

READY FOR SOFTWARE SETUP