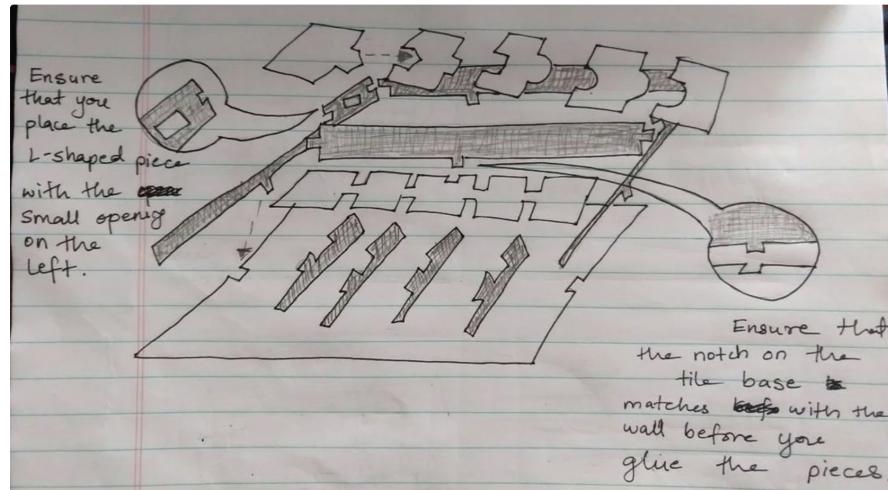




## TalkBox

By SrutiVijaykumar 20

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An overview of the assembly.

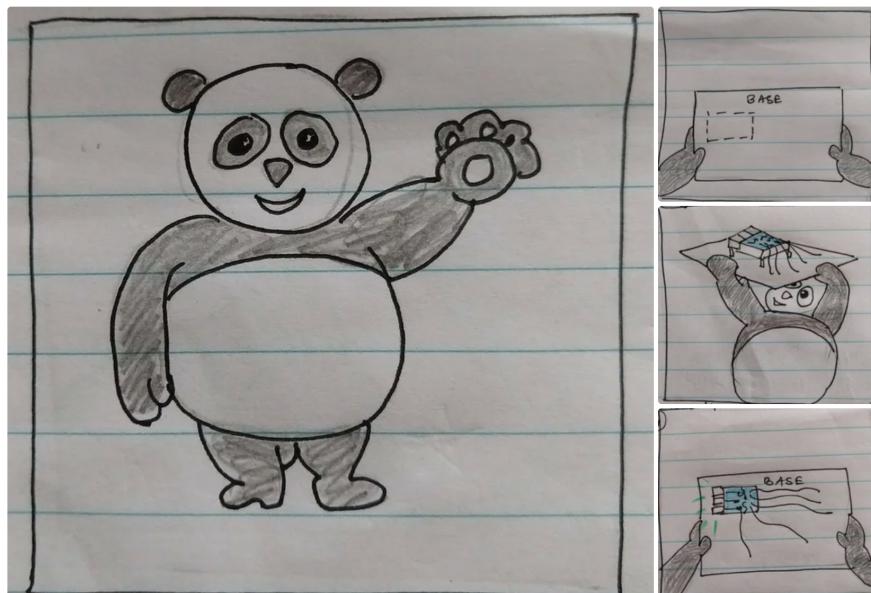
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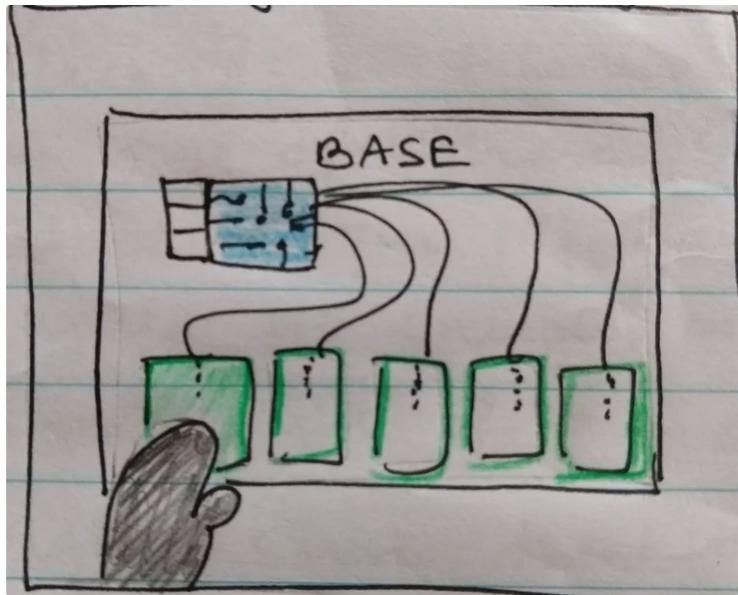
## Step 1: Screwing on the Raspberry Pi



1. Take the biggest piece in the kit - the flat rectangular board and place it on a flat surface.
2. Take the Raspberry Pi ensemble and place it over the four tiny holes on the top left corner of the board. Use the four small holes as a guide to secure the position of the Raspberry Pi with screws. It should be easier for you since you have fingers!
3. Ensure that the USB ports are to the left and the wires to the right!

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## Step 2: Secure the Wires With Contact Tape

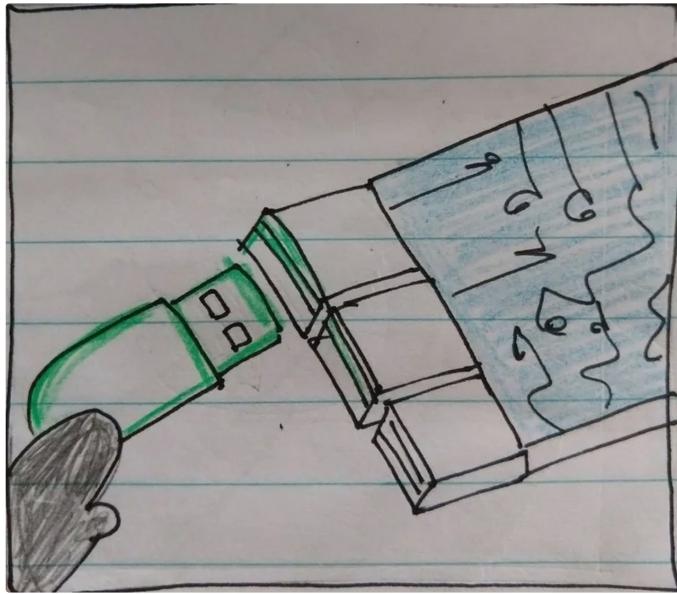


1. Cut a 2-3 inch strip of contact tape and stick the open end of the first wire to the bottom left side of the board.

2. Now continue cutting strips of contact tape of the same length and stick the ends of the other four wires to the board. Use the small holes on the bottom of the board as a guide to space them out evenly.

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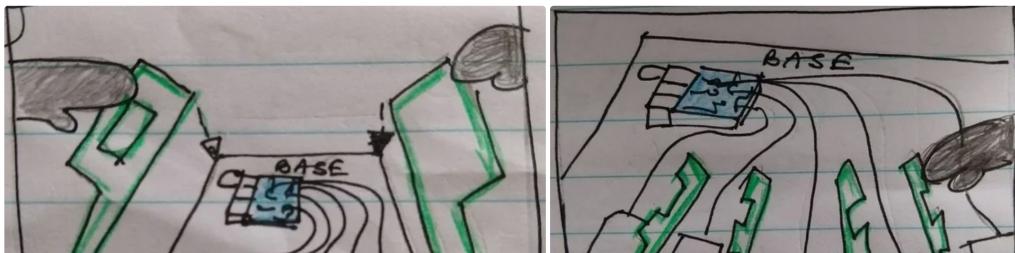
## Step 3: Plug the Extension Into the Raspberry Pi.

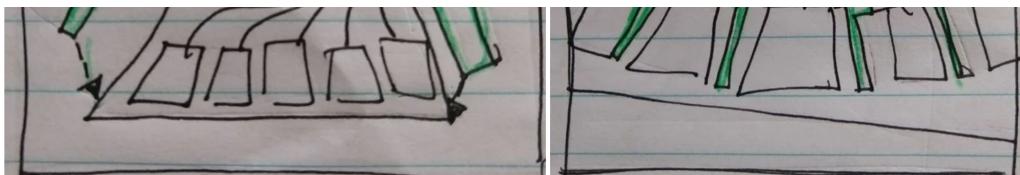


This is the USB drive that has all the sound files!

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## Step 4: Place the L-shaped and F-shaped Pieces.

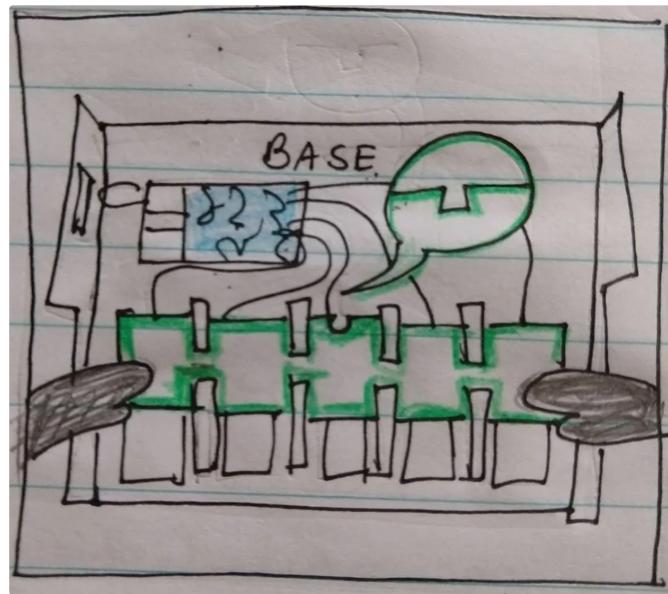




1. Take the two L-shaped pieces in the kit and attach them to the sides of the board. Make sure that the one which has the small opening is on the left, closer to the Raspberry Pi.
2. Take the small F-shaped strips and place them as dividers between the 5 contact tapes.

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#### Step 5: Place the Tile Base (highlighted in the Picture) on Top of the 4 Dividers.

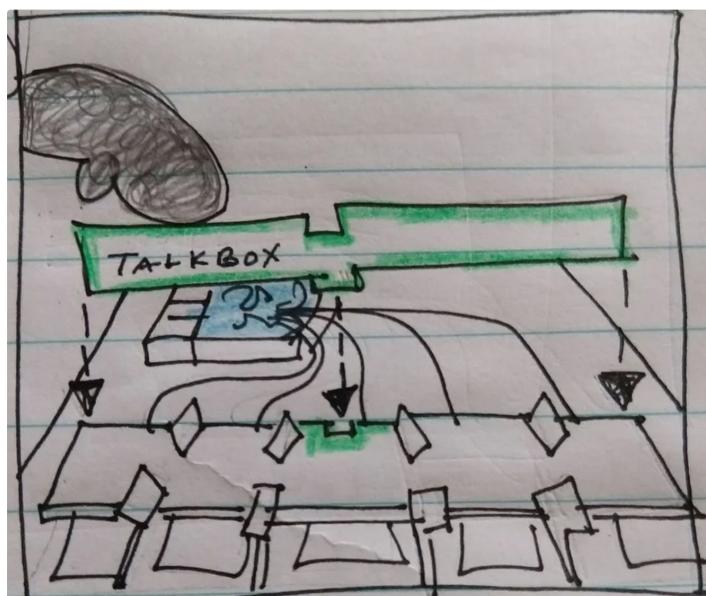


This tile base should fit snugly between the combs of the divider.

Make sure that the notch on the tile base is on top!

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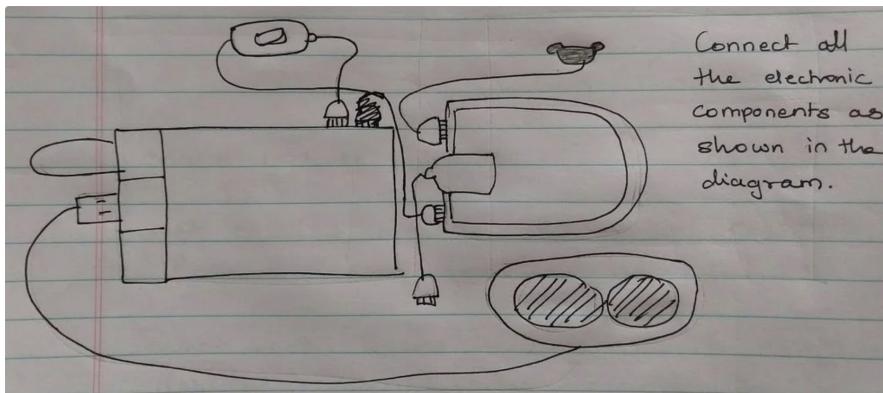
#### Step 6: Now Take the Piece That Says "Talkbox" and Align It to Fit Into the Notch on the Tile Base You Just Fixed.



This piece acts as a wall between all the electronic components and the tiles.

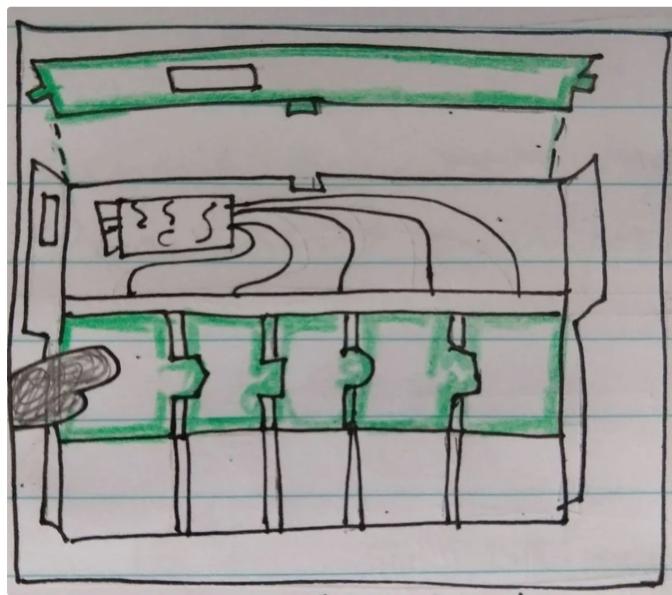
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**Step 7: Connect All the Electronic Components As Shown in the Diagram.**



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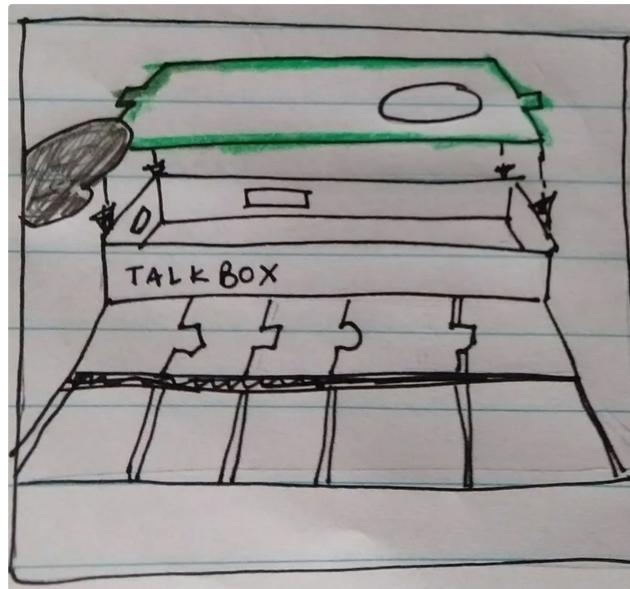
**Step 8: Place the Tiles in the Proper Order (as Shown). Then Place the Back Wall.**



Use the shape cut-outs on the tiles as a guide to place them in the correct sequence.

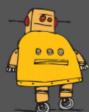
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**Step 9: Place the Top Lid!**



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