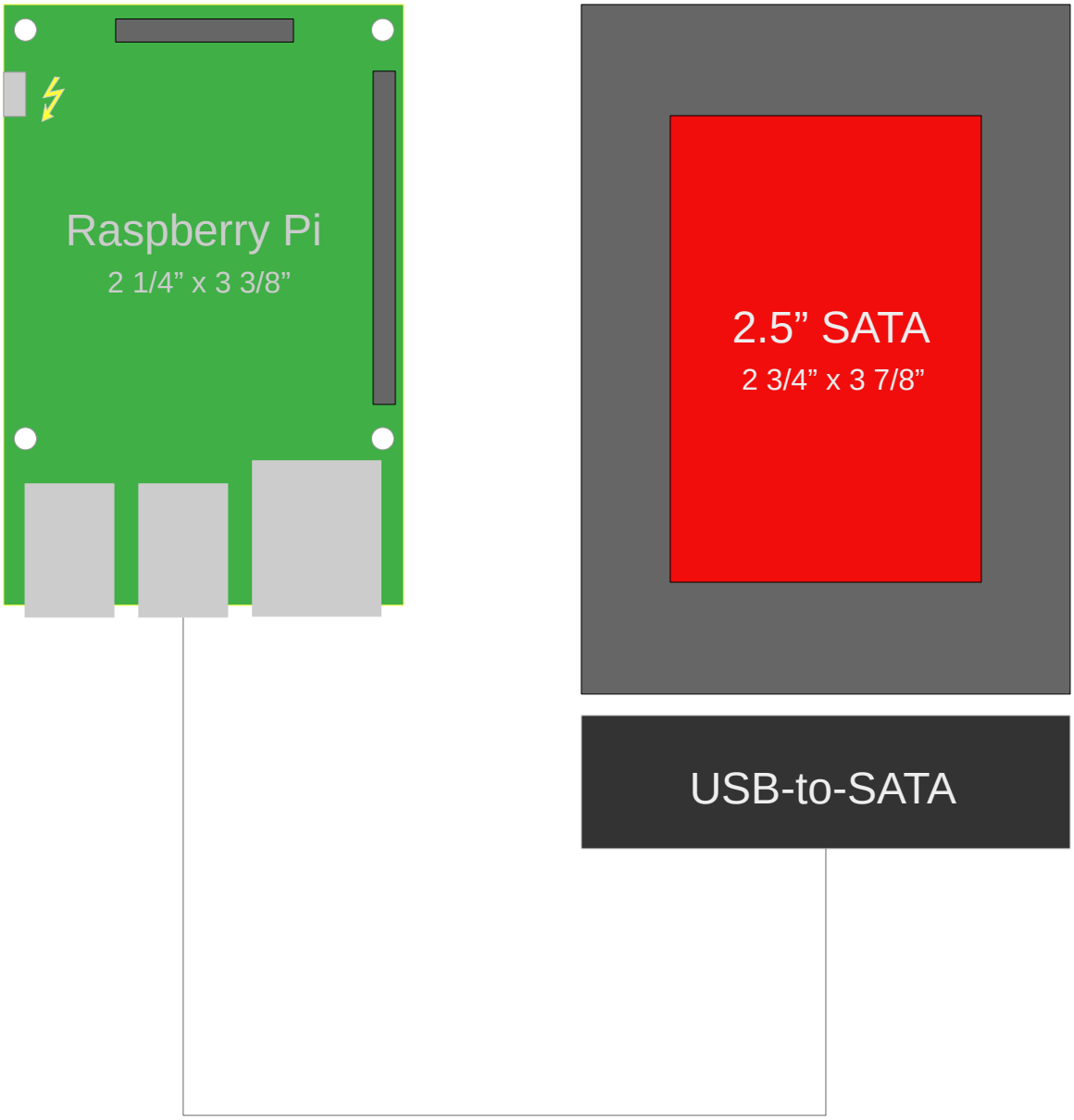
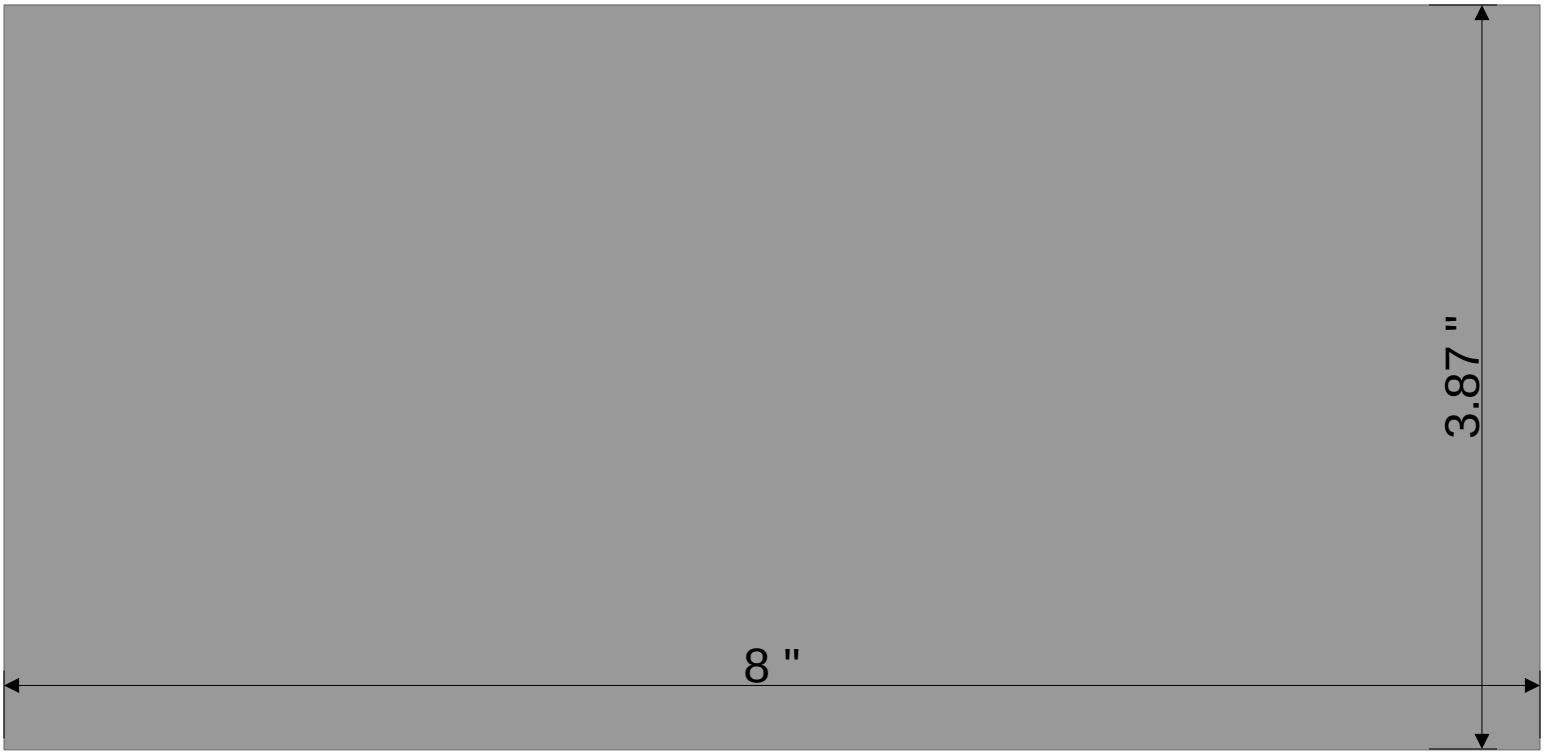


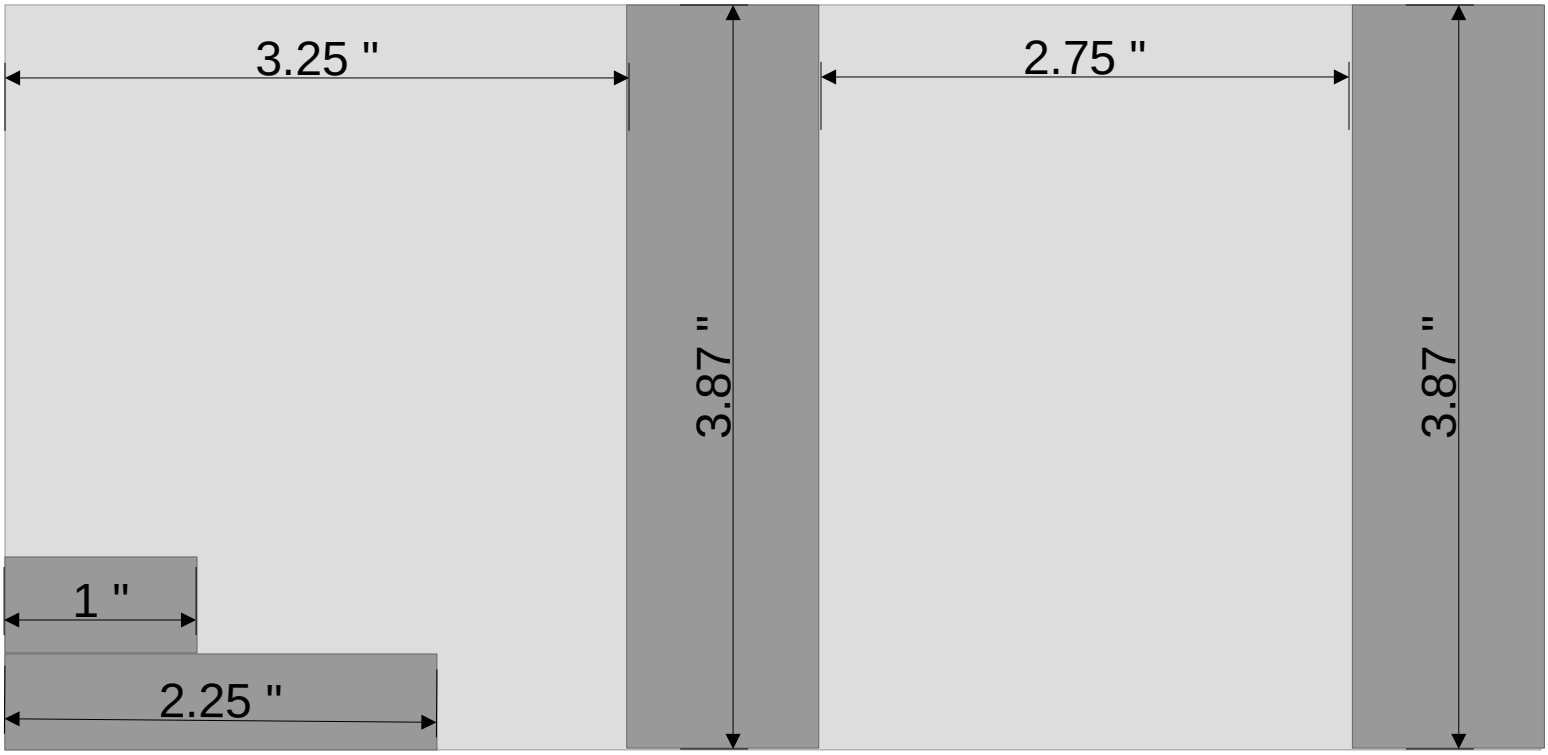
Cardboard Pi



Start with the base layer.

Materials needed:
One 8” by 3 7/8” rectangle.

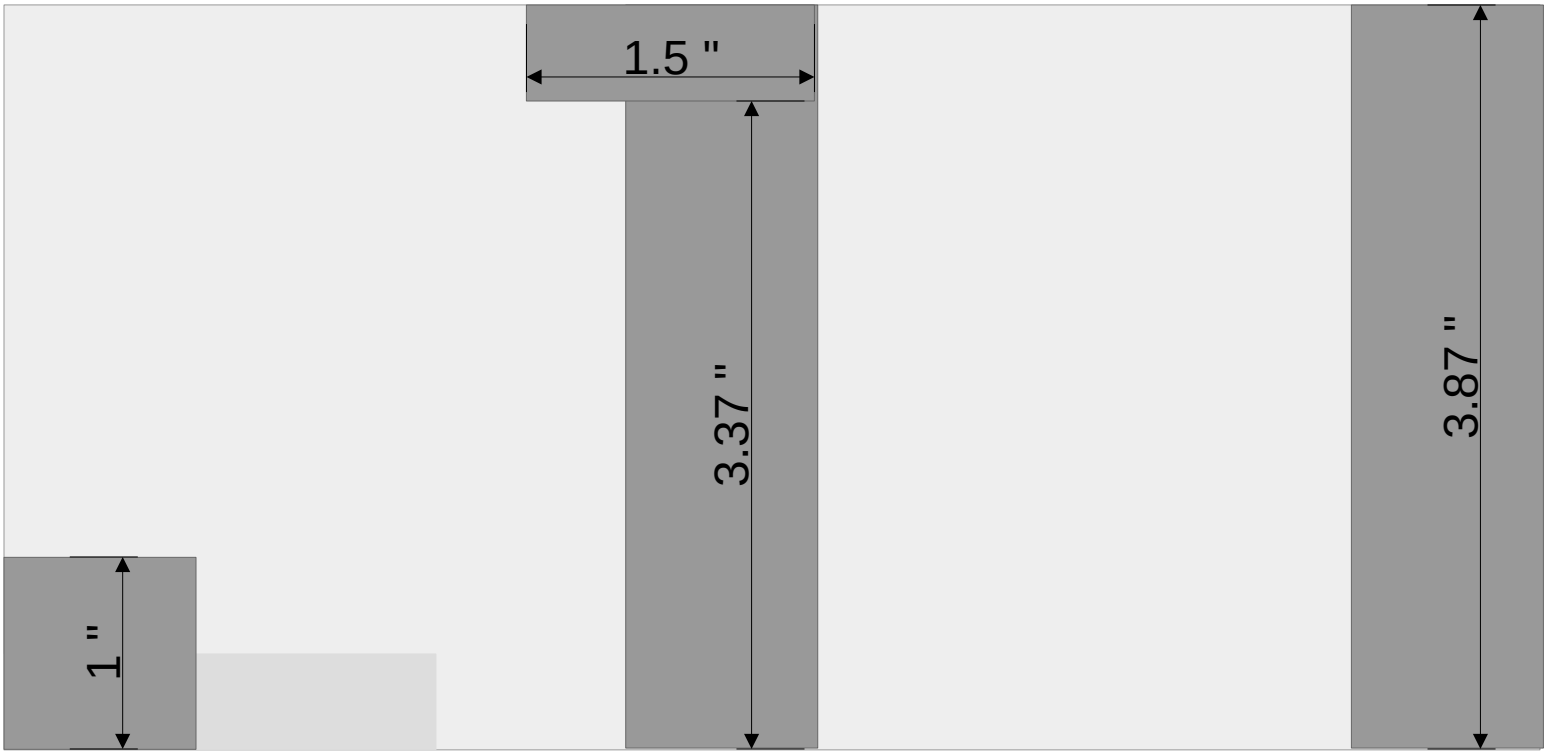
Tip: use a straight edge and make multiple passes with the cutter rather than trying to cut through all at once.



Glue the first layer of strips to the base layer using 1/2” stock for the material on the left side of the diagram and 1” stock for the center and right side.

Materials needed:

- One strip of 1/2” wide stock cut to 1” length.
- One strip of 1/2” wide stock cut to 2 1/4” length.
- Two strips of 1” wide stock cut to 3 7/8” length.



Using 1” stock, glue a second layer to add height. Test fit the Pi and trim the 1.5” x 12” piece so it won’t interfere with the GPIO header.

Materials needed:

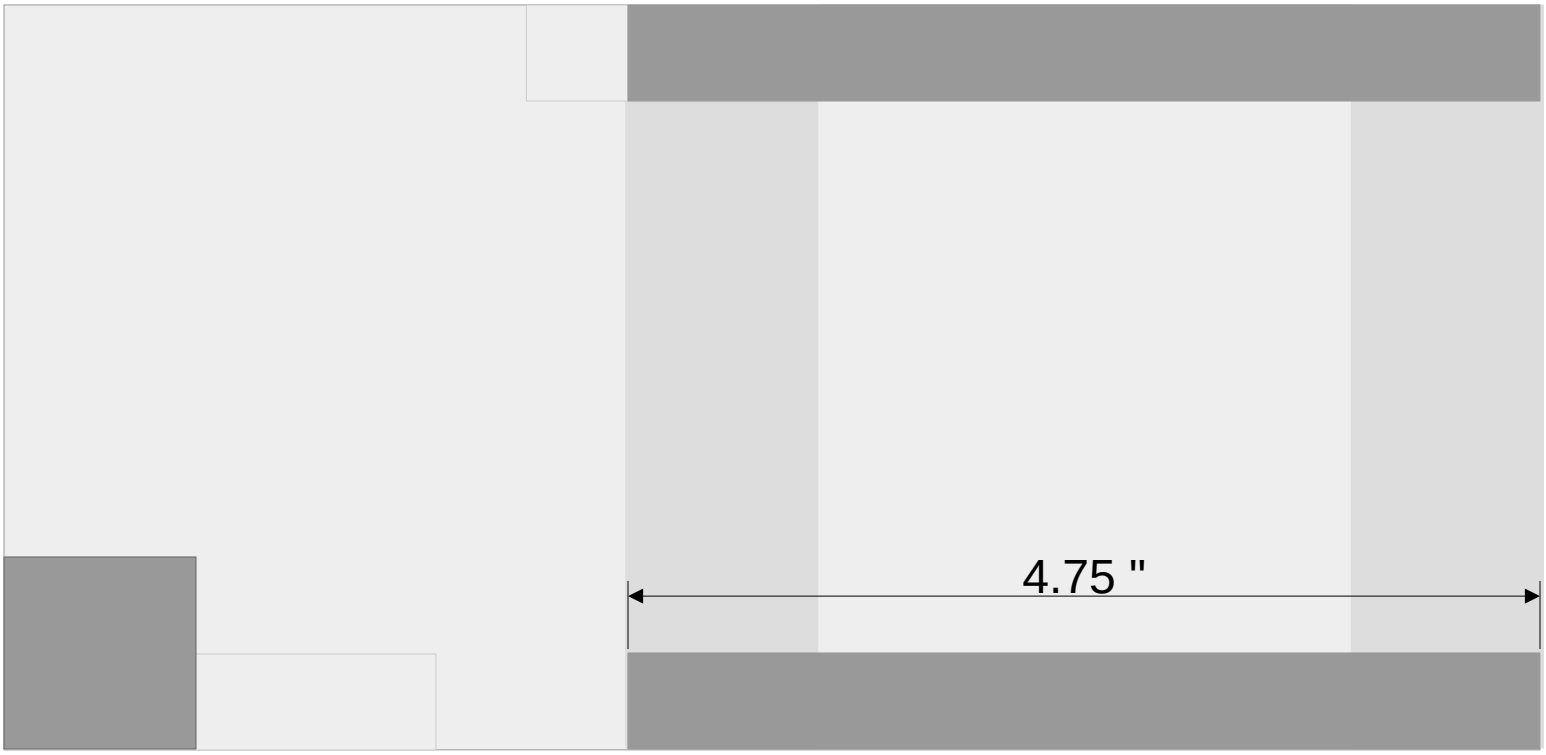
- One strip of 1” wide stock cut to 1” length.
- One strip of 1/2” stock cut to 1 1/2” length.
- One strip of 1” wide stock cut to 3 3/8” length.
- One strip of 1” wide stock cut to 3 7/8” length.

Cardboard Pi

Continue adding layers until the height of the strips is even with the top of the hard drive. (2 or 3 layers for a 7mm hard drive, depending on thickness of material.)

Materials needed:

- Two strips of 1” wide stock cut to 3 7/8” length.
- One strip of 1” wide stock cut to 1” length.

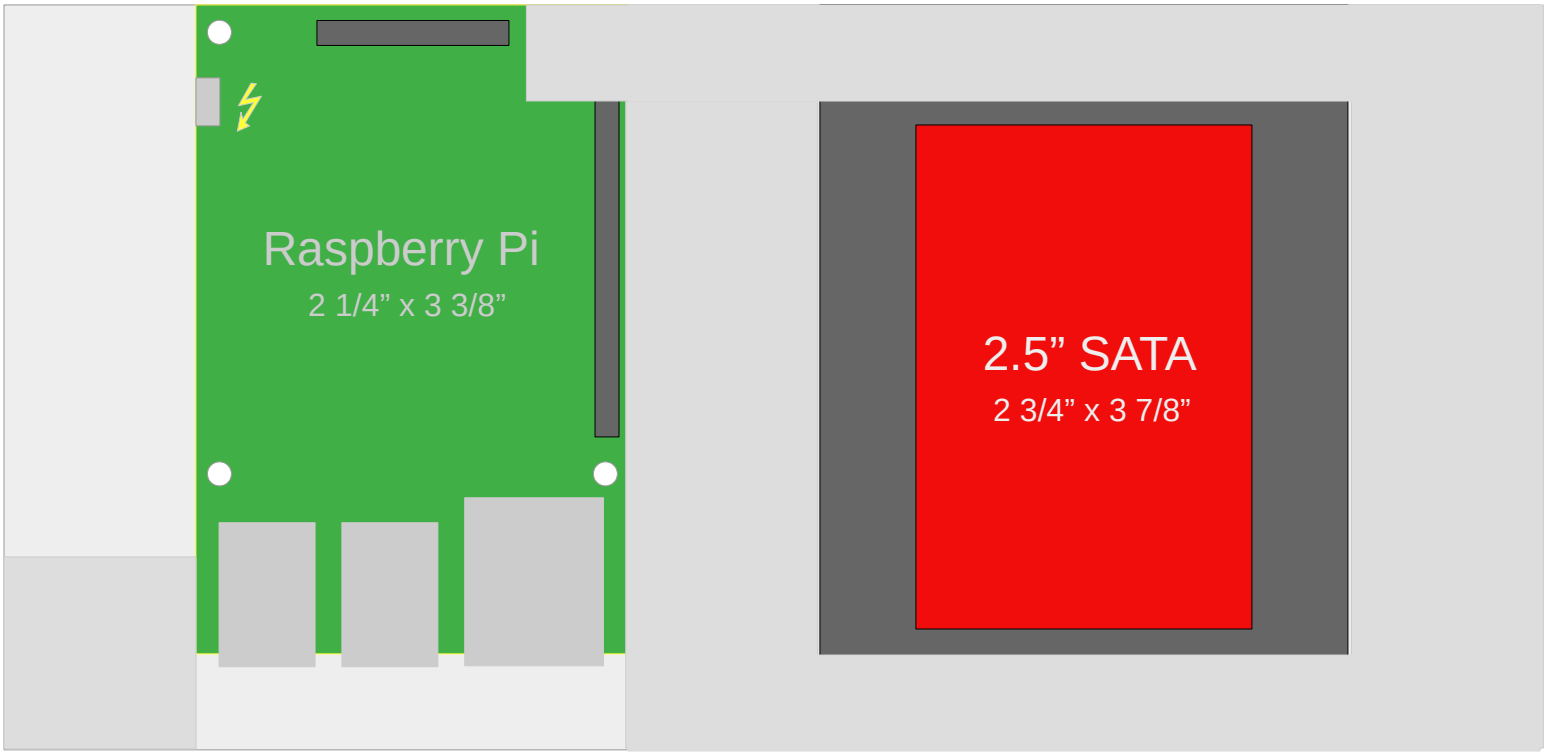


Add another 1” x 1” square and place two 1/2” strips over the top of the SATA drive area.

Materials needed:

- One strip of 1” wide stock cut to 1” length.
- Two strips of 1/2” wide stock cut to 4 3/4” length.

Tip: Cut a groove in the 1” square on the left wide enough to route the Pi’s power cord and tidy up the cables.



To mount the Raspberry Pi, slide the corner between the camera port and the GPIO header under the flap. Push the corner near the USB port against the 1” square until snug.

For the SATA drive, slide it under the 1/2” strips until it is flush with the base plate. Use pieces of cardboard as shims if needed to adjust the height and keep the fit snug.

Tip: route cables around the back to tidy up the overall look.

Cardboard Pi