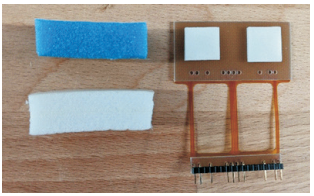
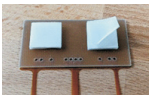
Nutube Vibration Mount

Contents

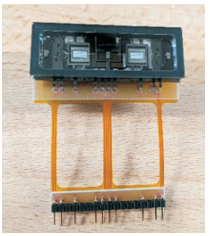
The kit includes a flex circuit with a header connector and adhesive foam pads already installed, and two pieces of foam. Be very careful with the flex circuit – it's very thin and is easy to tear.



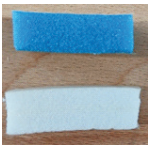
Step 1- Mount the nutube



Peel the backing from the two foam squares. Insert the NuTube into the PCB and press into the foam. Flip it over and solder the pins. Be careful, it's easy to get solder bridges.



Step 2 - Install the suspension foam



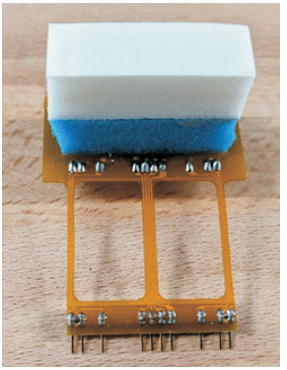
There are two pieces of foam supplied: a very soft blue foam with adhesive on both sides, and a denser white foam with an adhesive on one side. Best isolation is provided by using both pieces of foam stuck together, like this:

The stacked foam will raise the NuTube about 1" above the PCB. To stick the pieces together, remove the brown liner from the blue foam, and stick it to the side of the white foam that doesn't have adhesive. It can be difficult to remove the liner from the blue foam withouttearing the foam or peeling the adhesive off - go slow. Sometimes it helps to use a knife to help separate the layers.

If you don't have 1" of space, use only the blue foam, which will elevate the NuTube about ½".

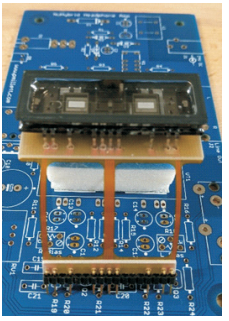
Step 3 - Put the foam on the flex

Peel the white liner off of the blue foam (or blue/white stack) and stick it onto the back of the flex circuit.



Step 4 - Install the assembly onto the PCB

Peel the remaining liner off of the foam, and stick it to the main PCB. Align it such that you don't cover the PCB pads.



Step 5 - Solder the header to the PCB