

Mult Kit

Assembly Instructions



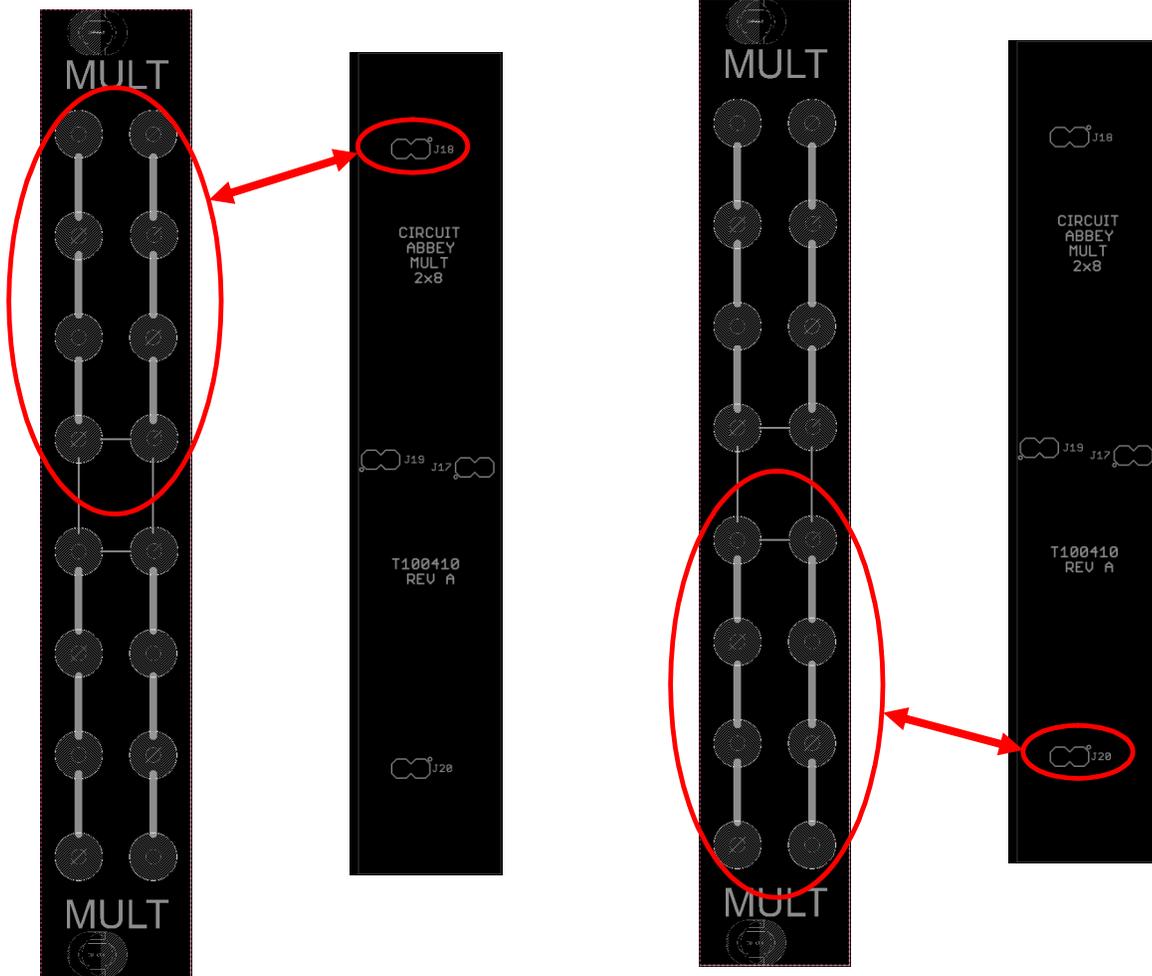
Circuit Abbey

Mult Kit Description

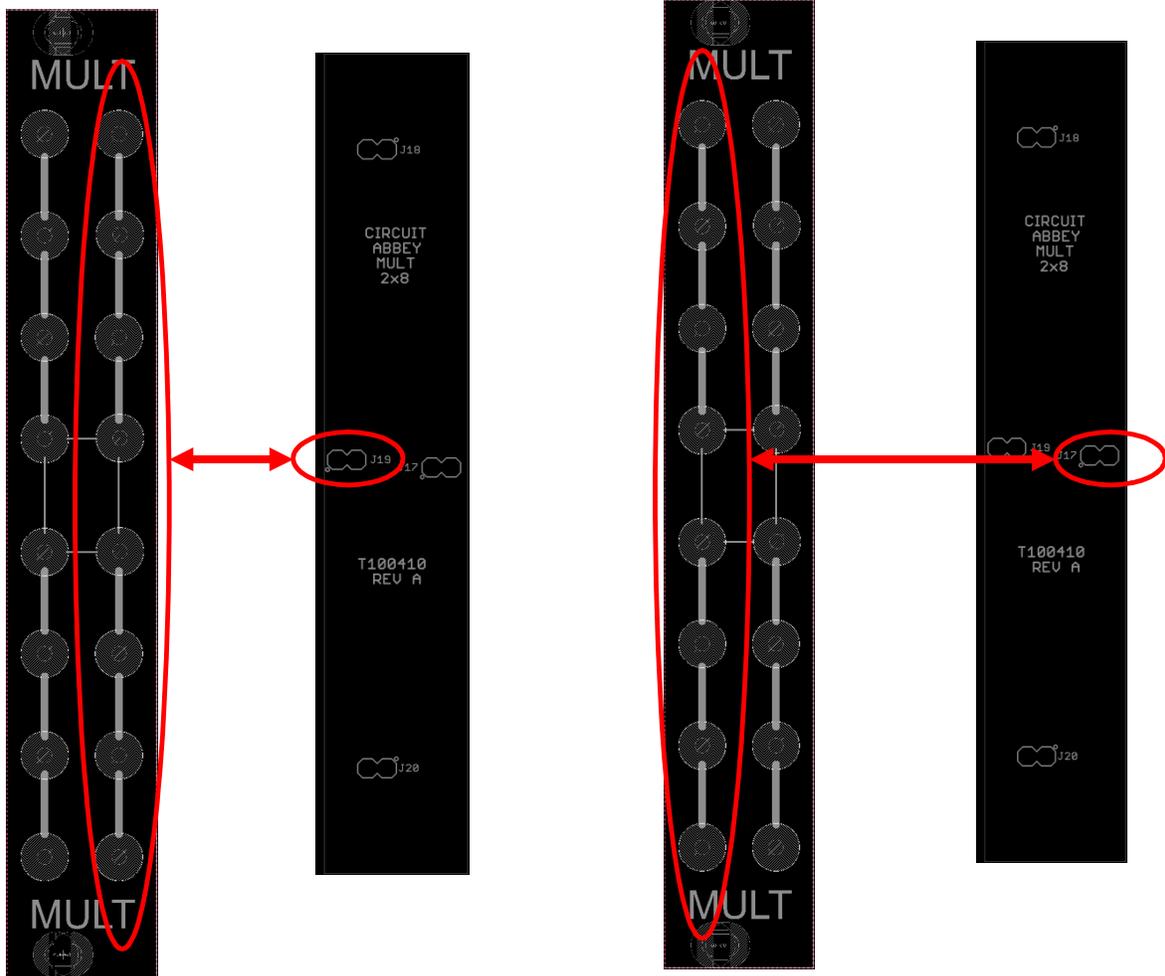
The Mult Kit is a 4HP passive multiple module with configuration jumpers.

Configurations:

The jumpers allow for grouping of segments to create larger multiple segments. Here are the basic jumper configurations>



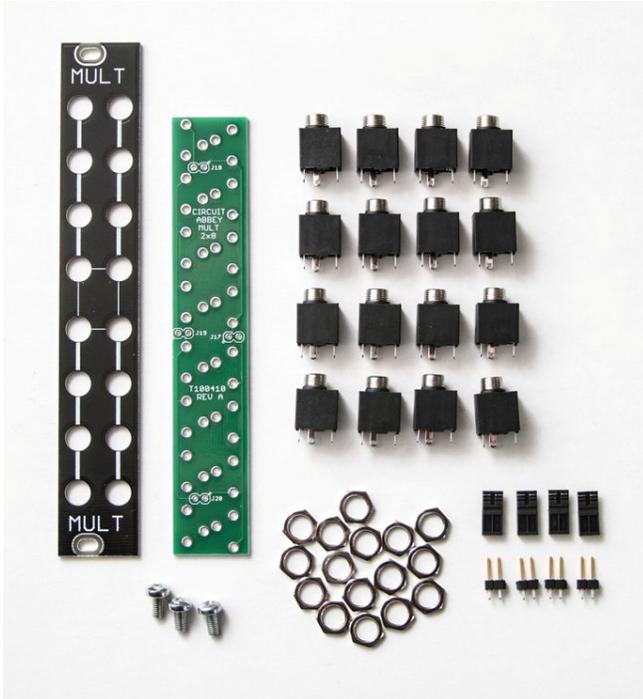
Configurations:



You can install multiple jumpers to create even larger multiple segments. With all four jumpers installed for example, you get a 16 multiple.

Assembly

First unpack the components and lay them out as shown:

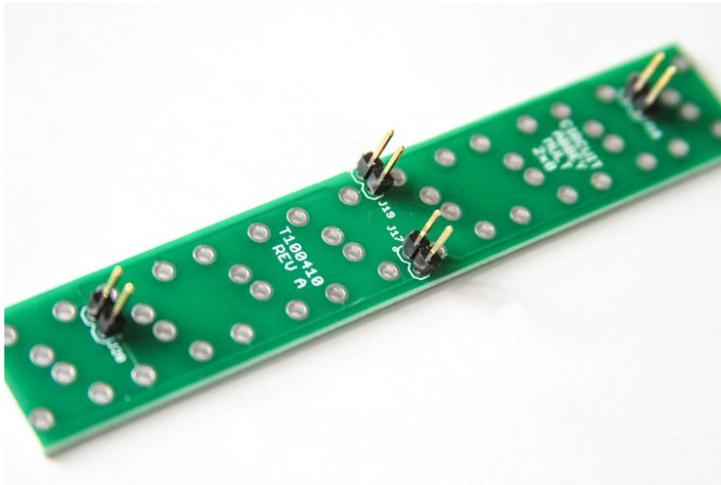


Make sure all of the components are present. If you are missing components, email support@circuitabbey.com for replacements.

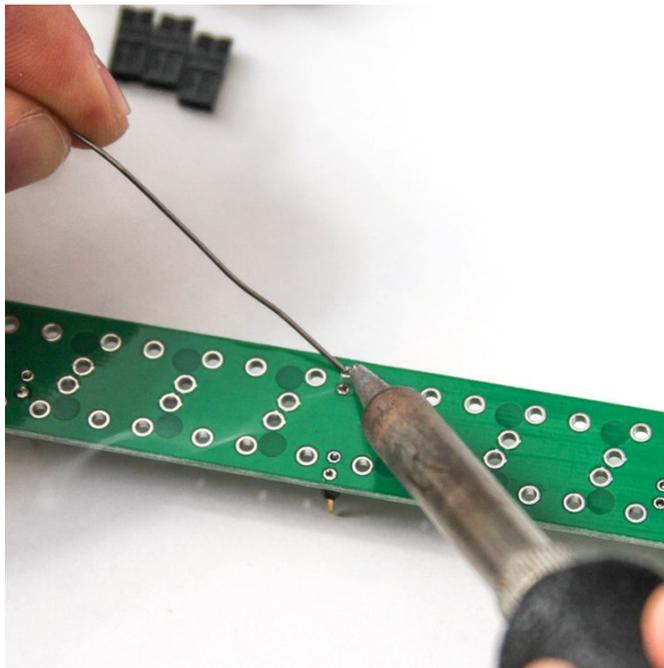
Parts List:

Front Panel	1
Main Board	1
Jacks	16
Nuts	16
Headers	4
Jumpers	4
M3 Screws	3

Start by soldering in the headers. They are placed on the silk screen side of the board:

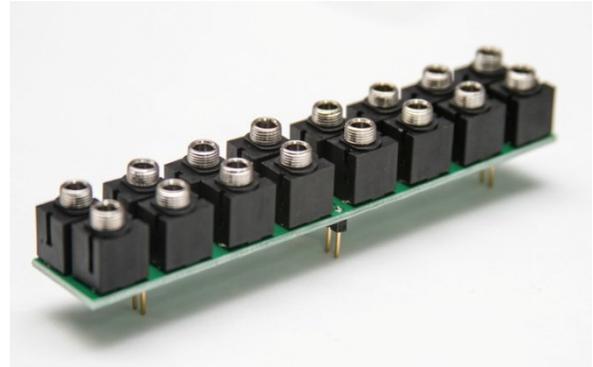
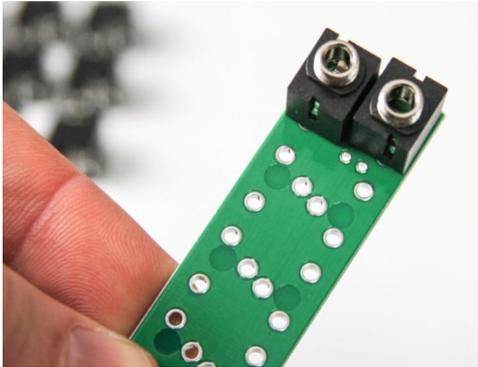


Place a header in the board, flip the board over (carefully), and solder:

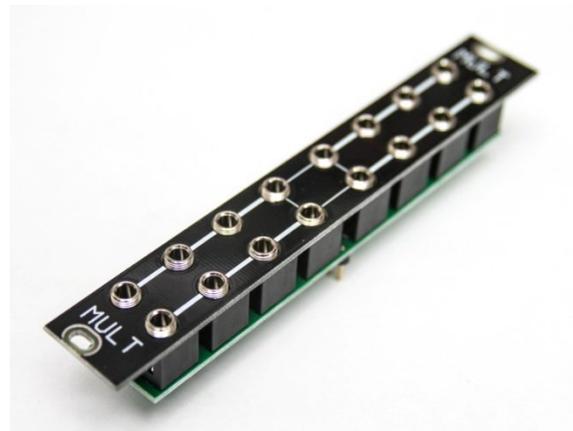
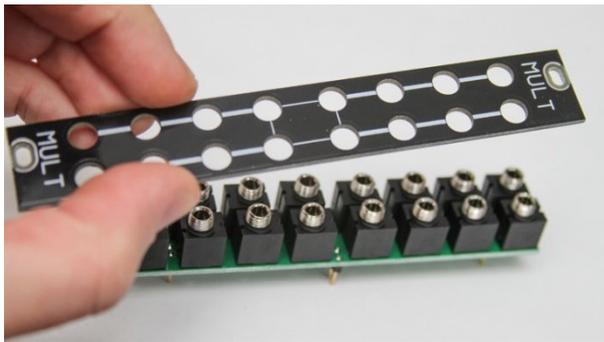


Do this for each of four headers. The headers are a bit floppy before they are soldered and can shift. This results in headers at an angle. This does not hurt anything, but it looks bad. One technique to fix this is to just solder one leg of the header, then use a tool (not your finger!) to straighten the header while heating the soldered joint with your iron. Then solder the other leg of the header.

The jacks are next. Flip the board over and place all 16 jacks on the side opposite the headers.

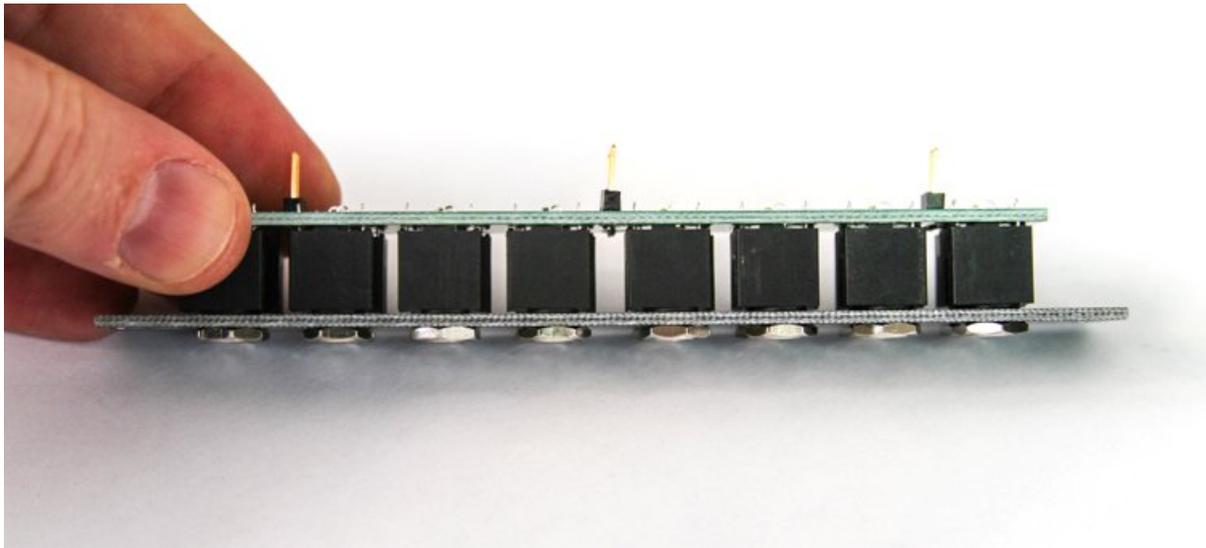


Place the front panel over the jacks:

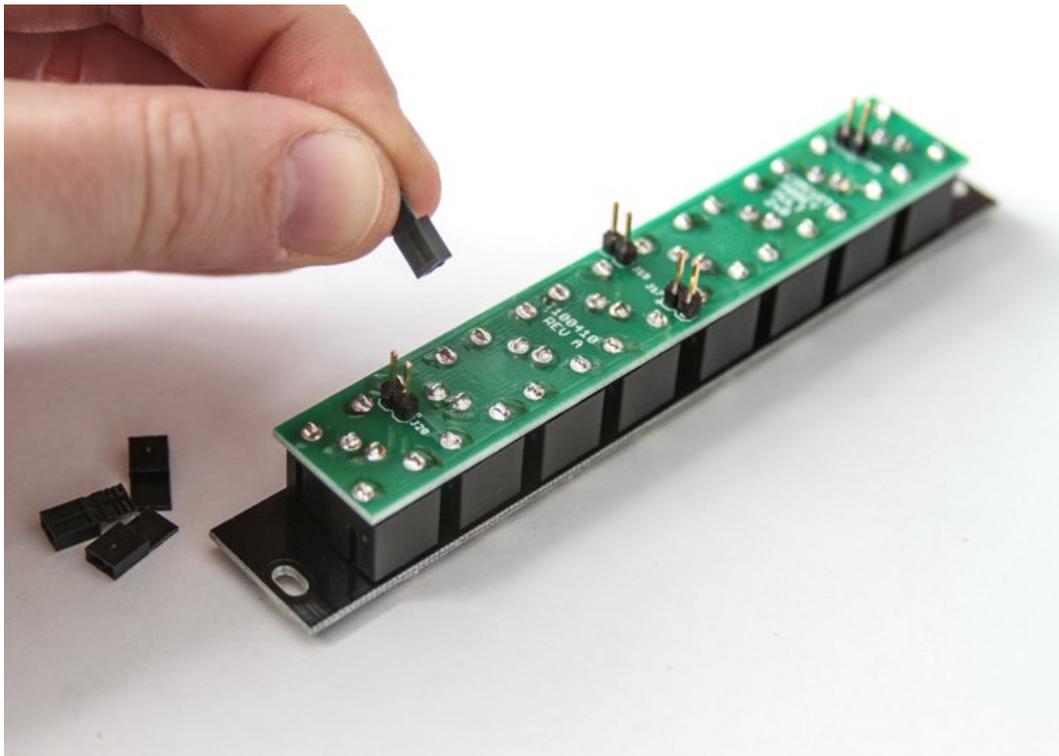


Thread the nuts onto the jacks and finger tighten them. Be careful not to pull the jacks out of the board during this operation or you'll have to start over.

Congratulations! Your Mult Kit is complete! If everything has gone well your finished project should look like this:

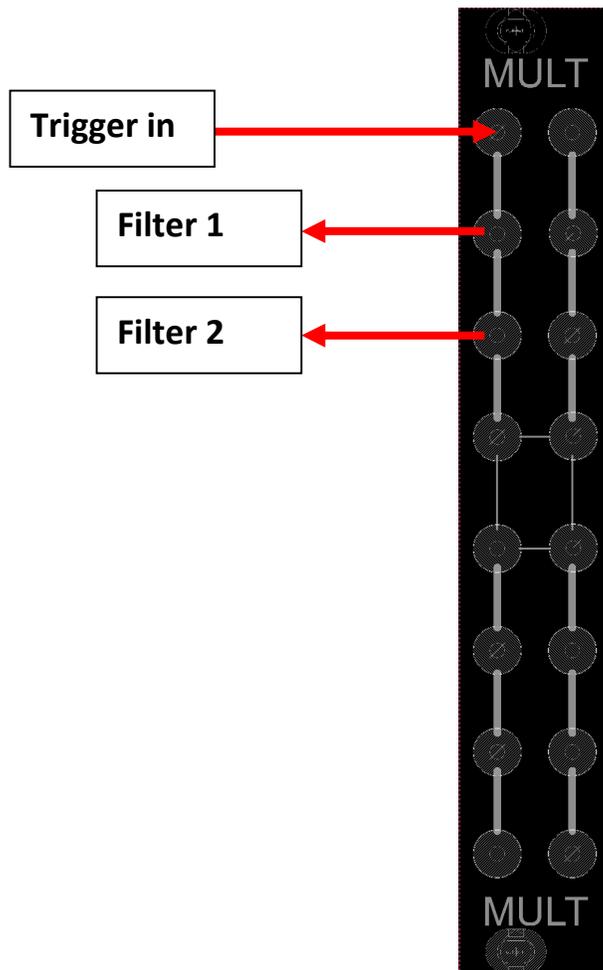


Installing the jumpers (if desired) is easy:



Usage

So like, what is a mult anyway? A Mult, of multiple, is an output expander for modules. Must if not all modules have single output jacks. Often we want to run an output to more than one module's input jack. That is where a multiple comes in. For example, let's say you want to take a trigger from a module and use it to 'ping' two different filters to get a percussion effect. Use a patch cable to tie the trigger output to the mult. Then use two more patch cables to go from the mult to each filter's input.



Please note: Do not try to combine outputs with a multiple! This is not the intended use and can result in damage to modules.

