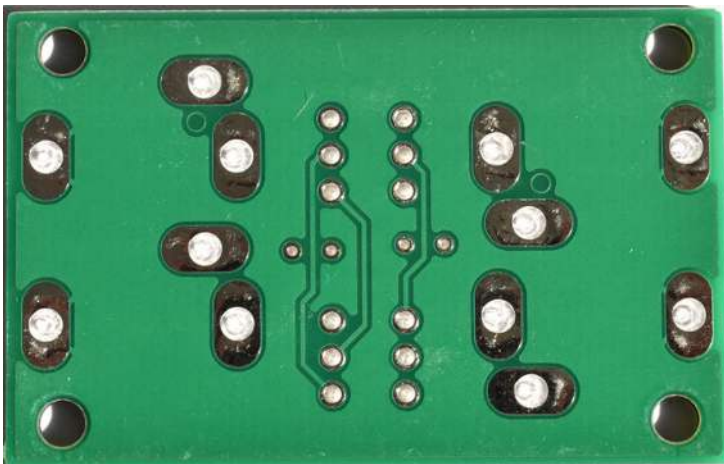
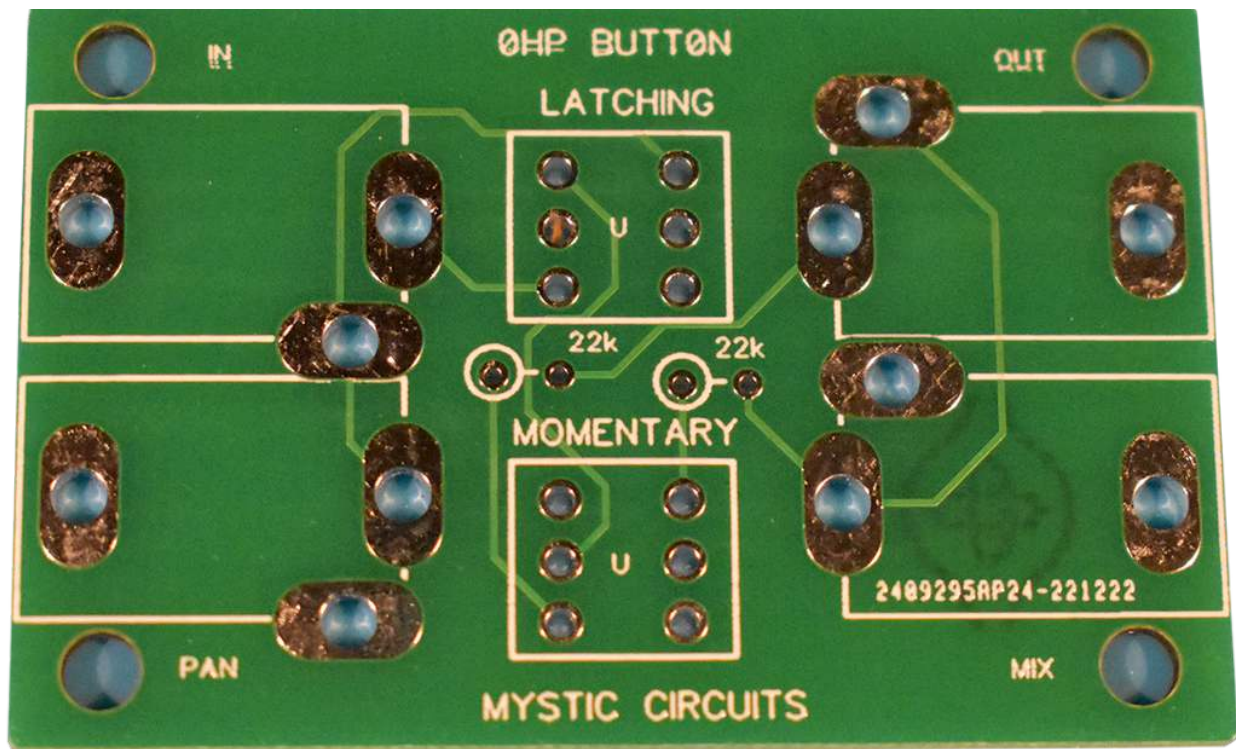


Build Guide

ButtOn

Thank you for purchasing this OHP DIY kit from Mystic Circuits. This build guide is intended to help take you through the steps in order to make a full functional OHP module. You should have a soldering iron, solder, pliers, snippers, and a small screw driver in order to complete the build.

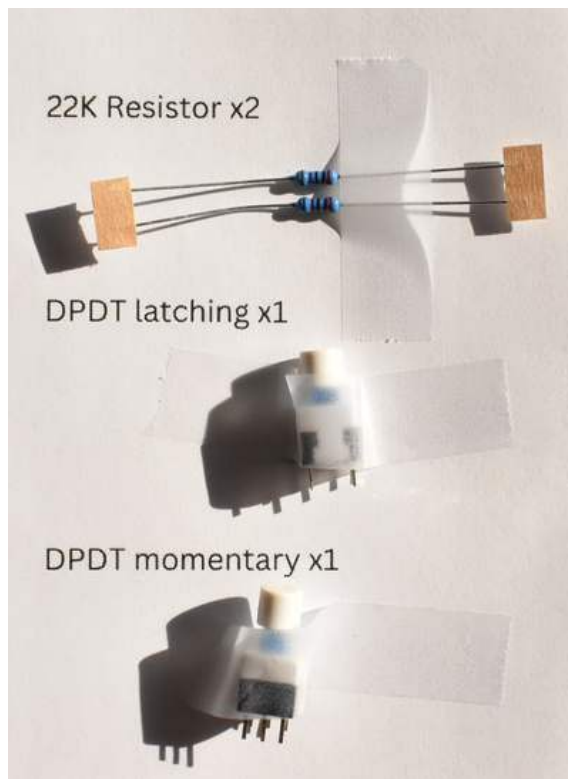


Start by verifying that you have all necessary parts for the kit. Packing kits is the kind of monotonous task that is very easy to make mistakes with, we have multiple methods to verify that the correct parts make it into kits but mistakes still happen. If you are missing any of the parts below please contact us through our contact page and we will remedy the situation. You will have to open all of the bags in your kit.

2x 22K Resistor

1x DPDT Latching Button

1x DPDT Momentary Button



4x Rubber Feet

4x M3 Hex Nuts

4x M3 23mm Bolts

4x 3.5mm Mono Jacks

2x Short PCB Case Sides

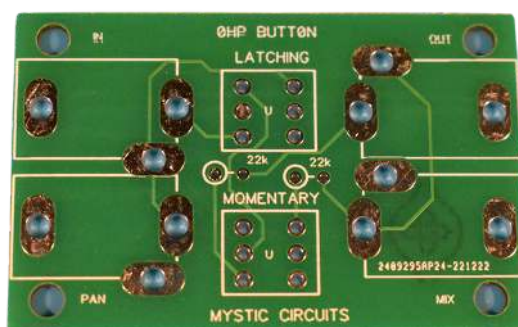
2x Long PCB Case Sides

1x Generic PCB Case Bottom

1x ButtOn PCB Case Lid

(Case lids are dual side so you might have to flip the lid over to see the correct design)

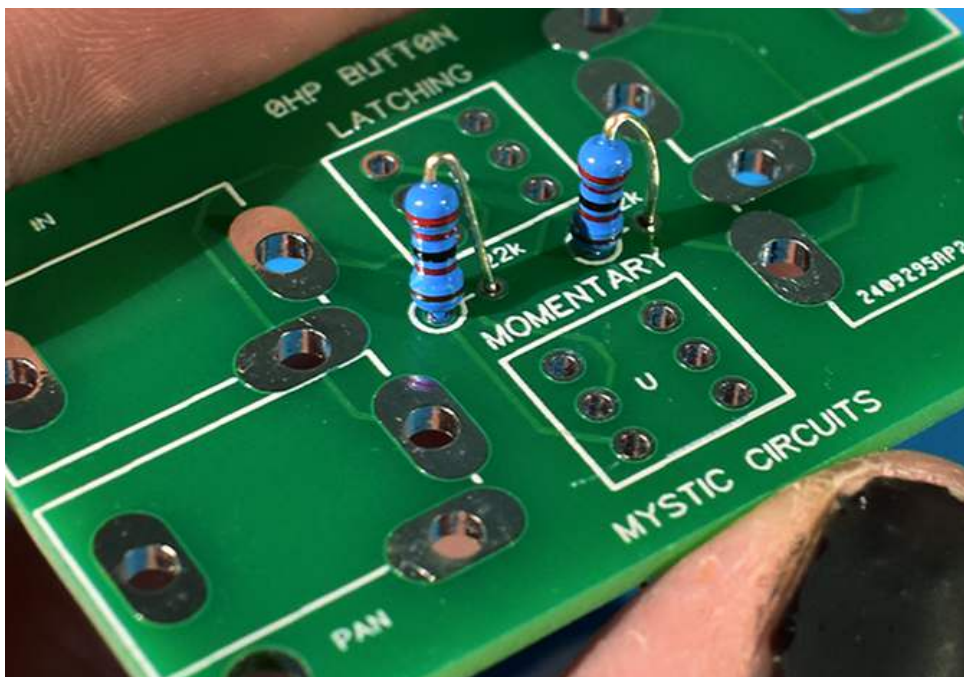
1x Main PCB



Resistors: Bend each resistor in half into a “U” shape in order to install it in the PCB.

Bend the legs away from each other underneath the board in order to secure the part to the board.

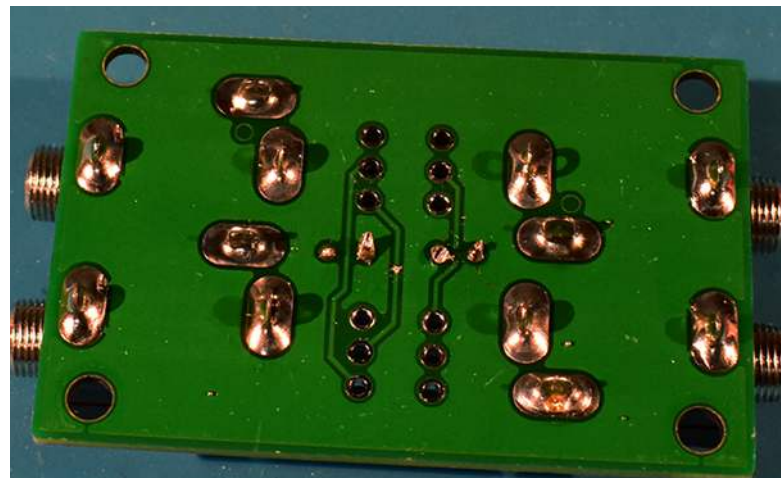
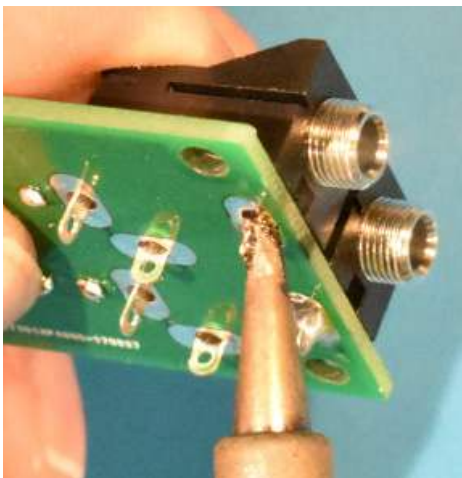
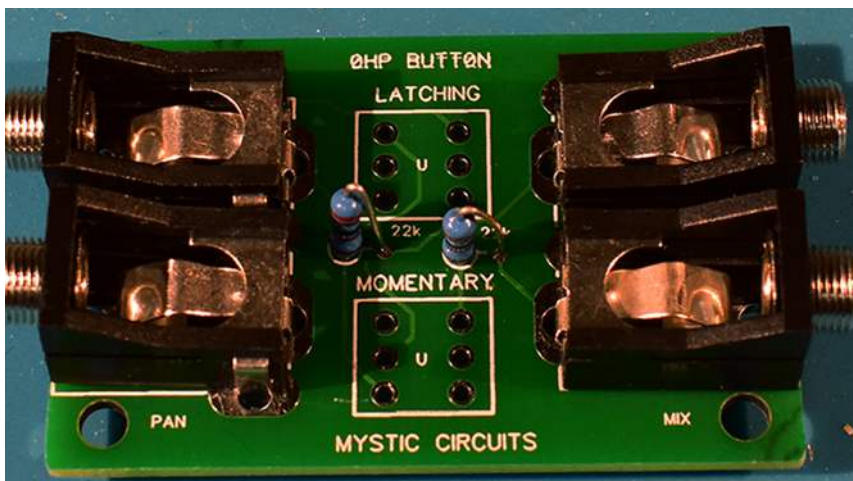
Flip the board over and solder each resistor leg into the board, if the joint is done correctly the solder blob on the board will not move around at all after the leg has cooled down. Ideally the solder blob will be shaped like a silver “hersheys kiss”. Solder all resistor legs in the same fashion.



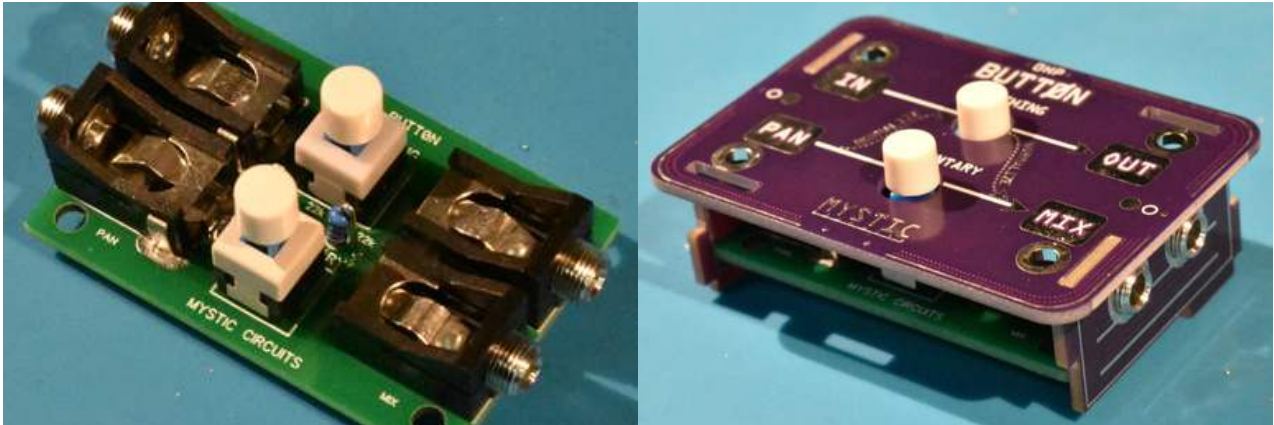
Once you have verified that all of the solder joints are good use your snippers to gently remove all of the resistor legs sticking through the bottom of the board.



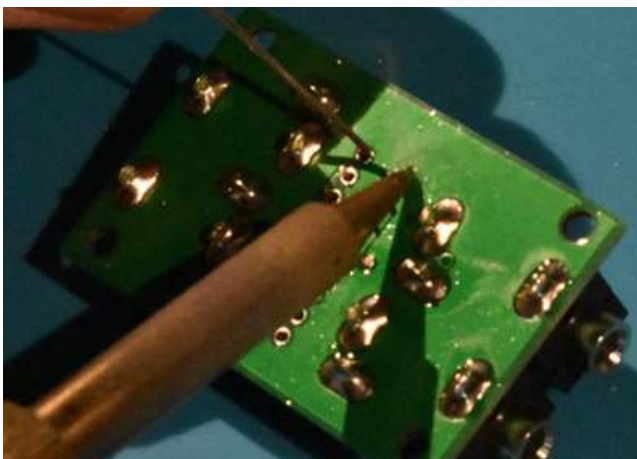
Jacks: Place jacks through the holes, push them flat into the board and then flip the board over. You may have to press on the top of the jacks for them to sit flush with the PCB. Solder each of the four jack lugs closest to the PCB edge, you may have to increase your soldering iron's heat slightly for this joint. The holes on this board are slightly too large so you might have to do this one at a time while holding each jack flat to the board with your finger. Be careful to not touch the metal part of the jack as it can get pretty hot while soldering. Flip over to check the jacks are still flat against the board, if a jack is not flat then reheat the solder while pressing the top of the jack in order to readjust it. Once all jacks are secure and flat on the board solder all of the other jack pins.



BUTTONS: Now before you install the buttons, you're going to partially install the case in order to keep the buttons securely in place. Place the two buttons onto the PCB, making sure they are as straight as possible. Next place the short case sides onto the jacks, making sure they line up correctly. Finally place the top of the case on the jack sides and line up the slots.

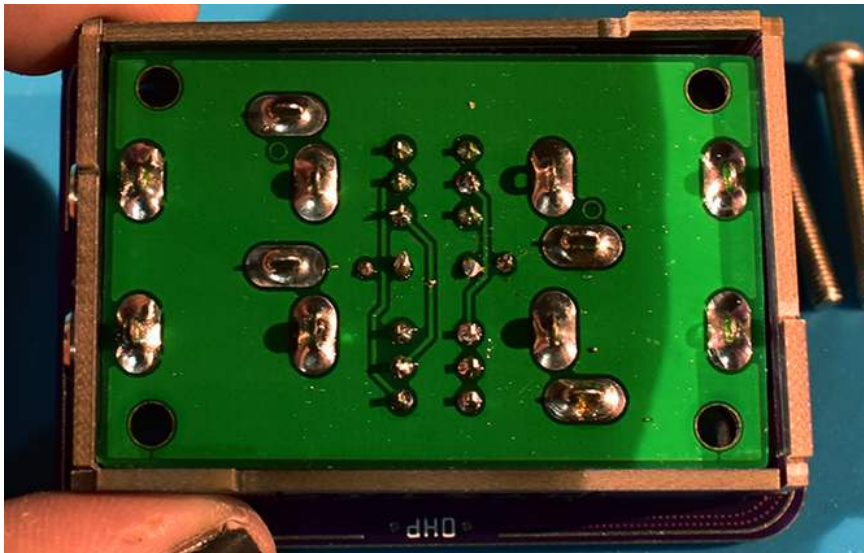
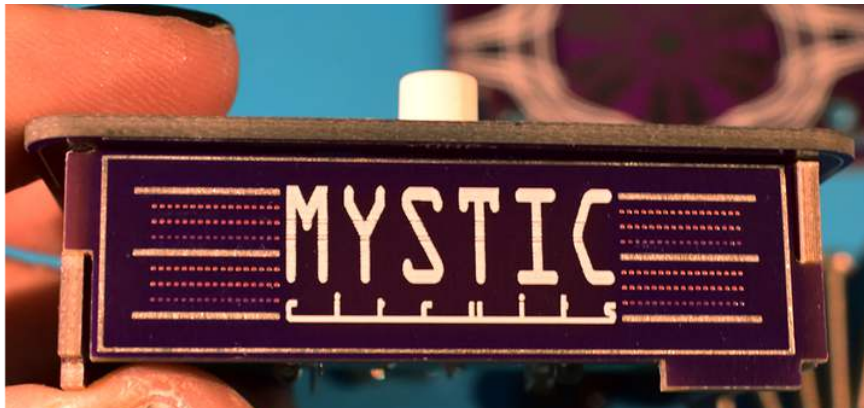


Now flip the board over, making sure to keep the buttons aligned. Solder the corners of each button to keep them in place. Test to make sure the buttons press down without making contact with the case and that the buttons are easy to press. If the buttons scrape up against the holes on the top of the case heat up the corner pin on the problematic side while pressing the button to adjust it's position. Once the buttons are in position and feeling good solder the rest of the pins.

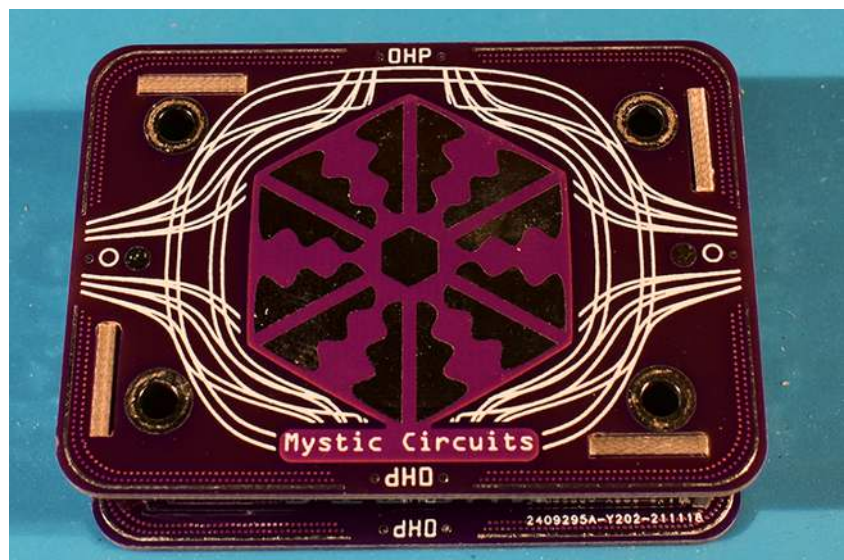


^^^ Pretend the case is still on in this picture ^^

CASE ASSEMBLY: Next, slot the longer sides so they line up with the top and jack sides. Once all the sides are secured to the top, flip the case over. Line the bottom of the case up with the side slots and push to install. Make sure the slots on the top and bottom of the case line up correctly and there are no gaps.



Line the bottom of the case up with the side slots and push to install. Make sure the slots on the top and bottom of the case line up correctly and there are no gaps.



SCREWS: Place one screw in one of the corner holes, but don't push all the way through. Place the nut in the rubber feet and place that over the hole. Place your index finger over the rubber foot so it keeps the nut from moving. Push and rotate the screw so it lines up with the nut and attaches securely. You may have to remove the screw and try again if it is not lined up with the nut correctly. Repeat this step for each of the feet.



You are done! Go make some tunes!

