

Drummertime DIY construction guide

74HP version



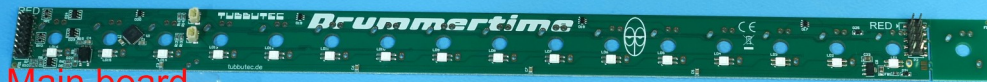
Front panel



Distancer



Socket board



Main board



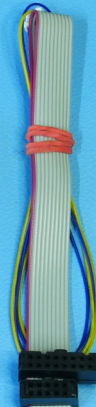
Switch caps



Sockets



switches



Introduction

This guide explains how to assemble the Drummertime DIY kit.

Basic soldering skills are required, but the process is straightforward.

Only a through-hole (THT) components need to be soldered.

Required tools:

- Soldering iron
- Optional: tool for tightening threaded nuts

This guide covers assembly only. For usage instructions and additional information, please refer to the Drummertime User Guide.

Installing the switches



Take the front panel and press the switches into the square openings as shown above. The image below illustrates the correct orientation: the switch pins should be at the top and the rectangular opening at the bottom.



Placing the distancer

Position the distancer board behind the buttons as shown below.



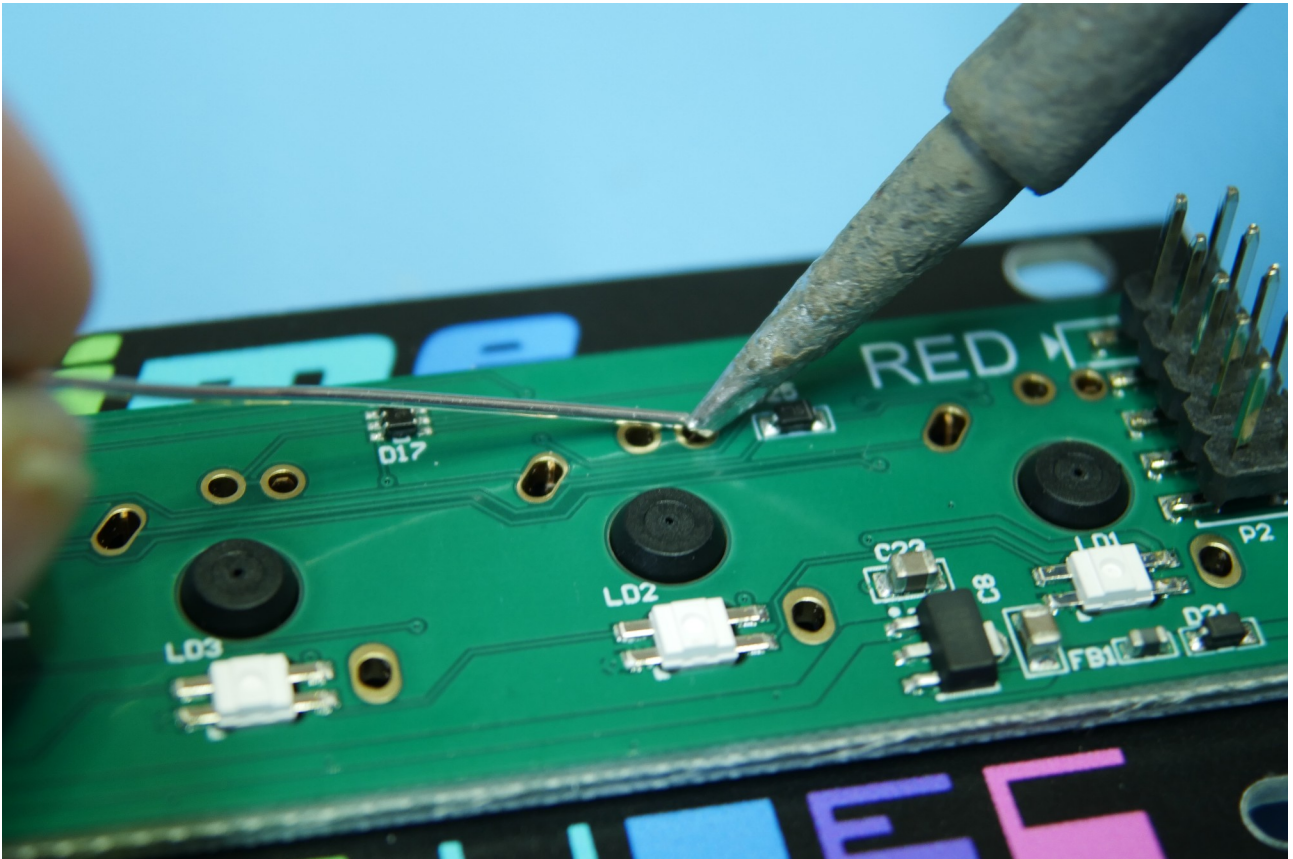
Placing the mainboard

Place the Drummertime main board on top of the distancer board. Ensure that none of the pins are bent and that all pins pass cleanly through the pads of the main board. The assembly is now ready for soldering.

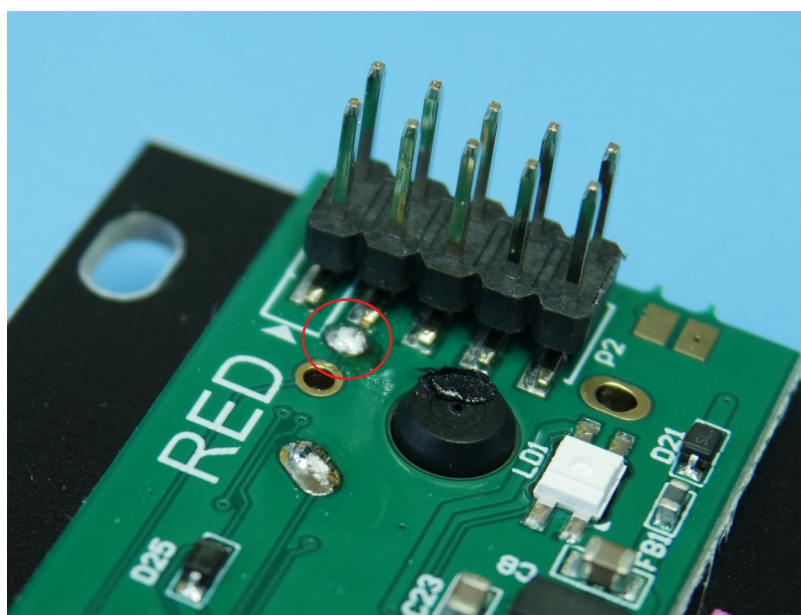


Soldering the switches

Solder all switch pins. Make sure that the stack-up of front panel, distancer and mainboard is well aligned and firmly pressed together. You may want to solder just a few pins first to check alignment before soldering the remaining ones.

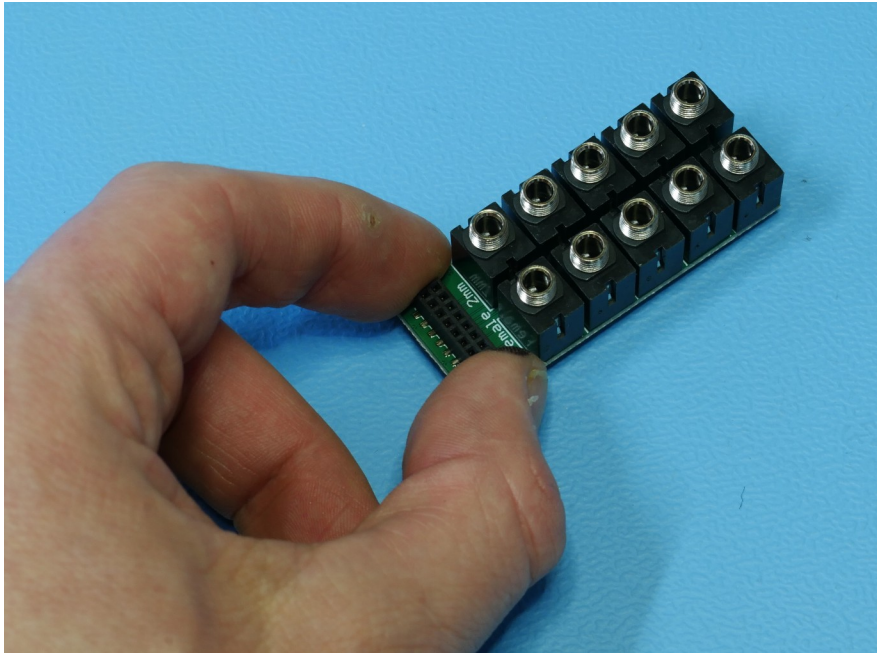


A little bit of care must be taken with this particular solder point. You don't want to create a solder bridge to the power connector next to it.



Building the socket board

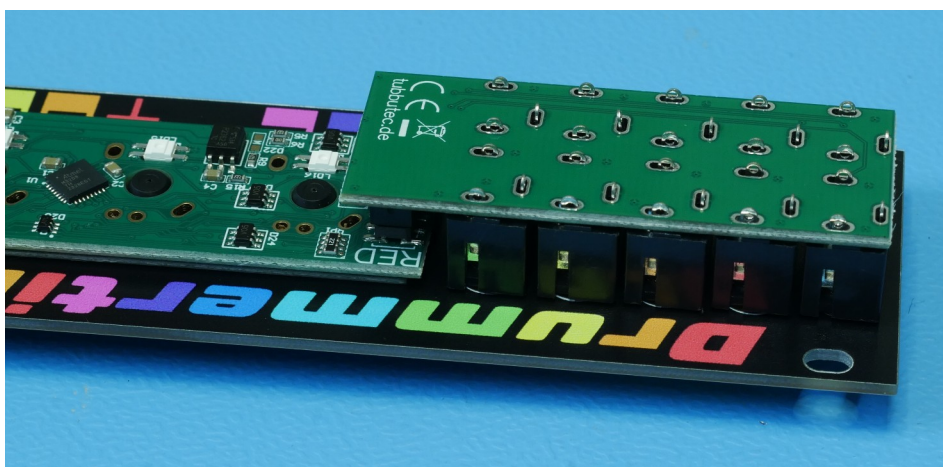
Insert the ten jack sockets into their designated pads on the socket board.

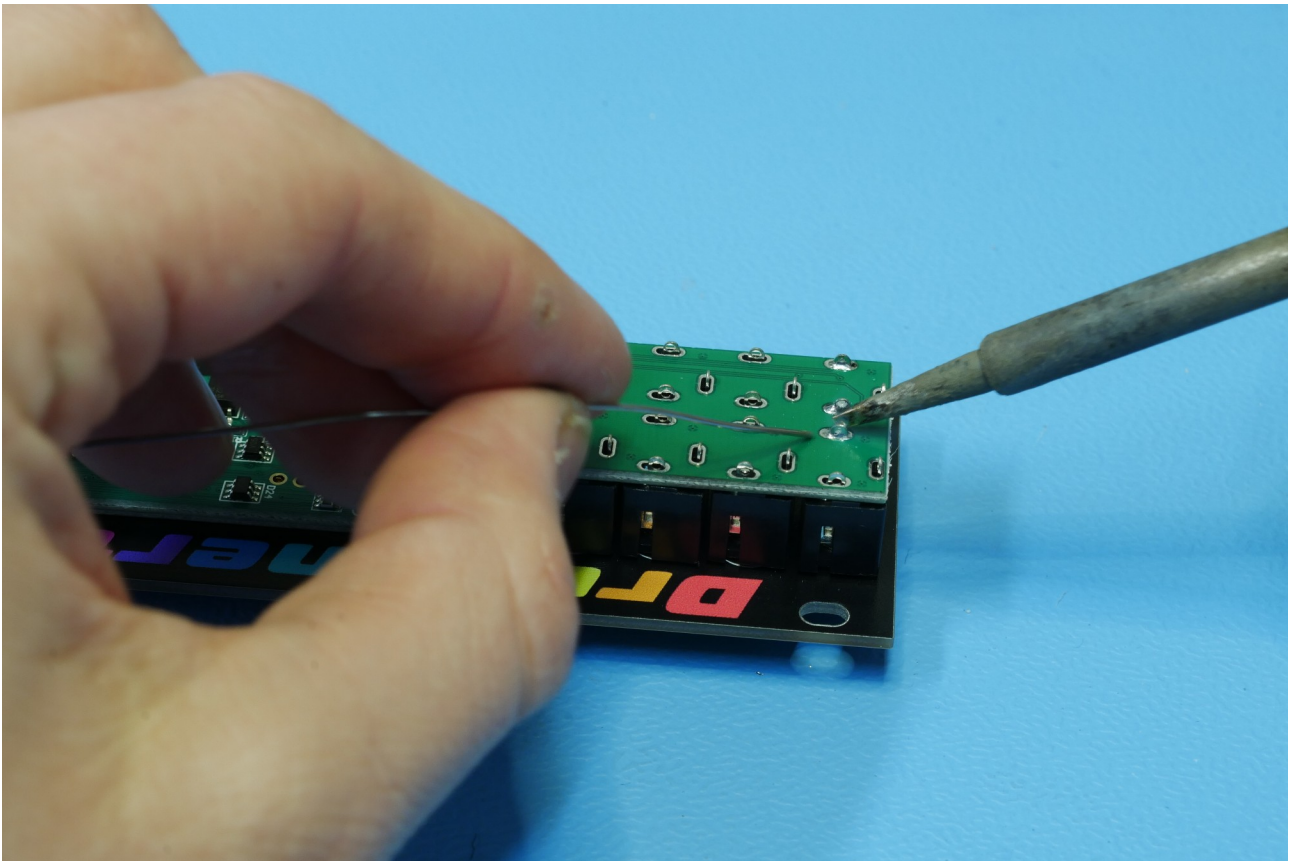


Next, take the 74HP main board and panel assembly and place it onto the sockets so they poke through their dedicated holes. Make sure that the male pin header on the main board and the female pin header on the socket board latch into each other.

You can then turn over the whole assembly and solder the sockets.

Finally, mount and secure the sockets using the knurled nuts.





Finishing the 74HP module

To complete the 74HP module, attach the switch caps to the switches. We recommend this layout:

