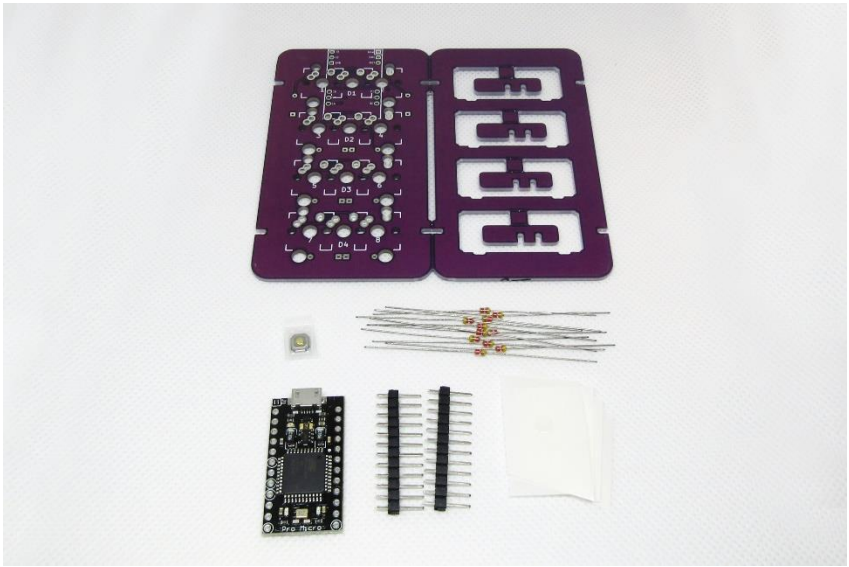

Launch Pad v1 – Instruction Manual

Please note that this is manual is only intended as a reference for when putting together your Launch Pad. Please pay special attention to the text in each step, as photographs may show certain aspects of the Launch Pad out of order from the current step (i.e. Pro Micro soldered before the manual advises to do so). We have highlighted the appropriate areas in red, where applicable, to pay attention to. If you have questions, it is important to ask them before moving forward. It's much harder to fix an issue after you solder, than it is to fix an issue before you solder.

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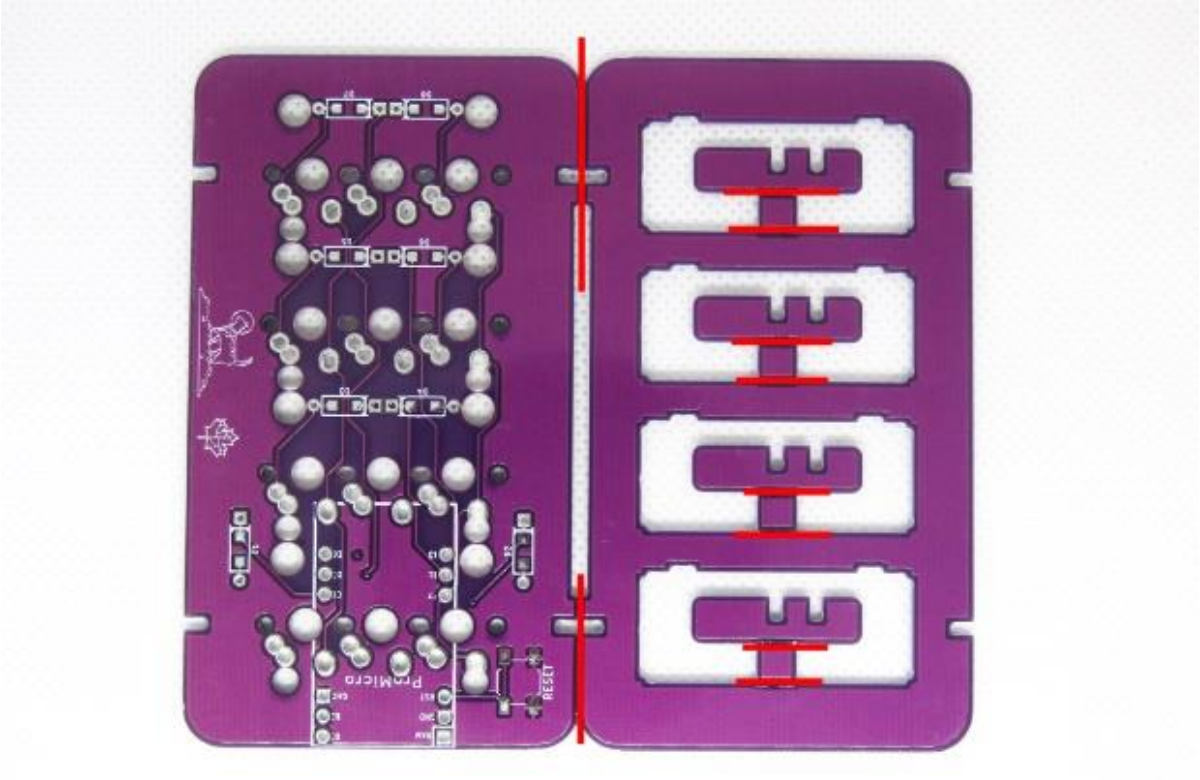
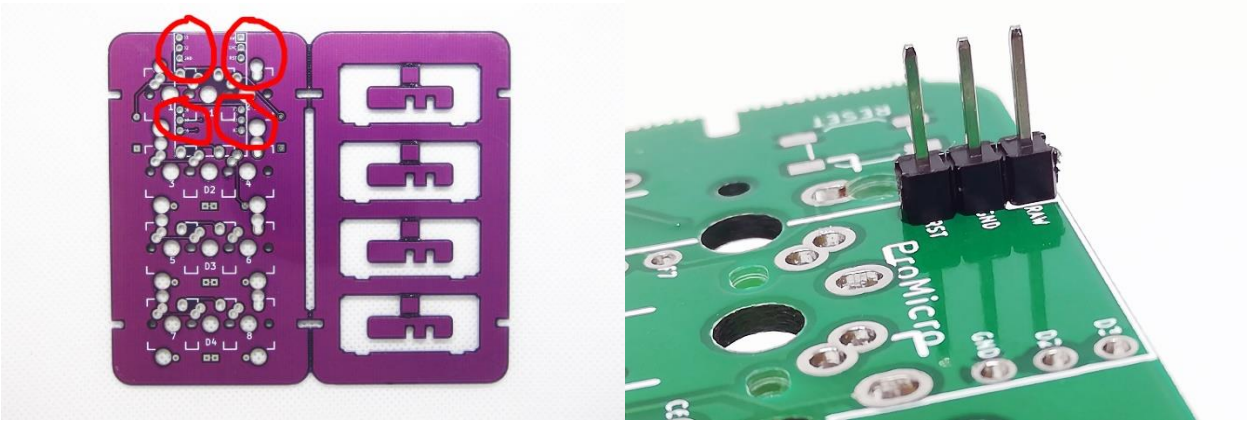
1. Test and flash the appropriate firmware onto your Pro Micro. Firmware is available through the official QMK repo and inside of QMK Toolbox, though you will likely wish to change the default keymapping. QMK Toolbox is available here & the firmware is available here. You can use other tools for flashing if you are so inclined. 😊

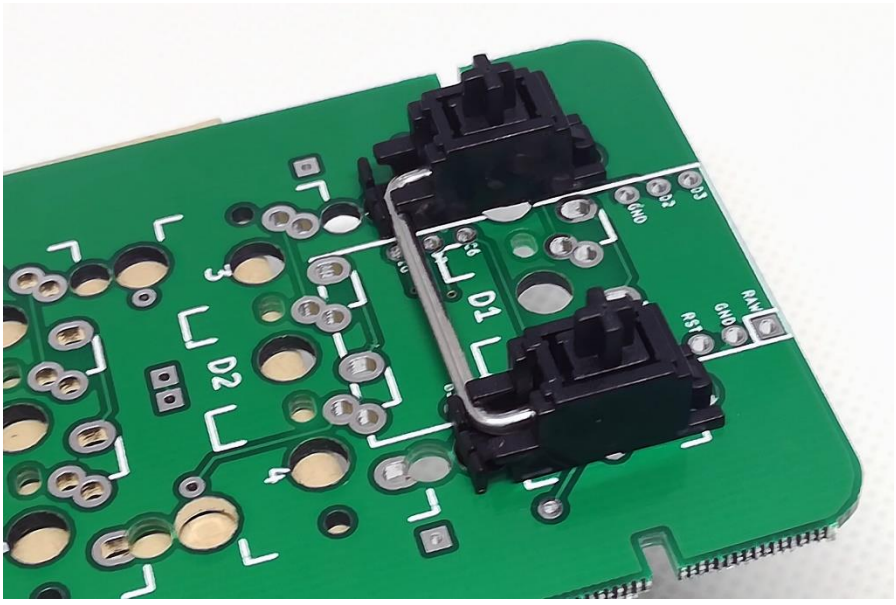
2. Snap apart PCBs in designated areas (shown in red).



3. Solder the appropriate headers where shown on the PCB, with black buffer facing downward.



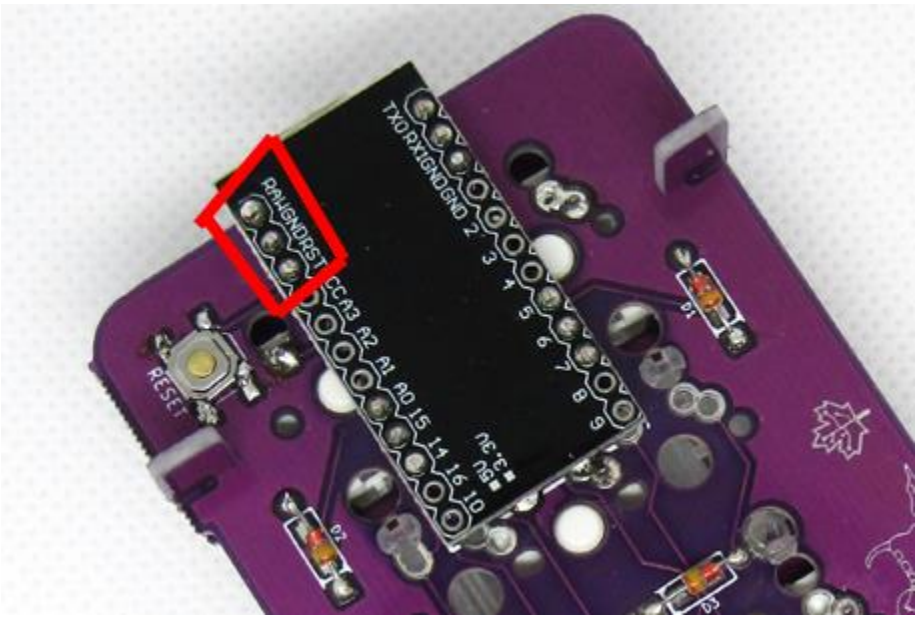
4. Install your chosen stabilizers, if applicable. I recommend snap-in or screw-in that are PCB mount. Plate mount will not work with the Launch Pad.



5. Solder the diodes (there are eight of them needed). MAKE SURE THE DIODES ARE SOLDERED FACING THE RIGHT DIRECTION OR THE LAUNCH PAD WILL NOT WORK. If you do somehow solder them backwards, you are able to manipulate the firmware to get the Launch Pad working, but this is not recommended. Pay attention to the photos shown to make sure they are facing correctly. The negative side of the diode should be used where there is a line marking on the PCB.

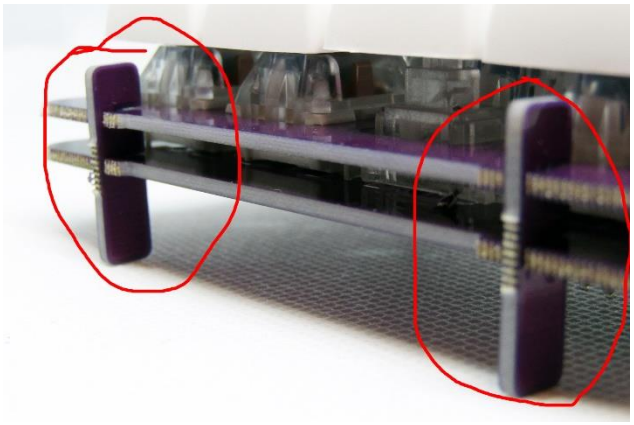
6. Solder the switches into place. You can either do just the switches that would be impacted by the Pro Micro, or all of them at this time. Personally, I find it easier to just do them all at this point.

7. Now place the Pro Micro facing the correct direction (match the words on the PCB with the top-left words on the Pro Micro, or just look at the photos shown). From here you will solder only the pins necessary. For many this will be the trickiest part, but with patience and time comes reward. I know you can do it!



8. Put the snapped apart legs on the Launch Pad and determine if any wobble is present. You can use the included glue dots (with the full kit only), or use any kind of tape, Elmer's glue, hot glue, plastic wrap, rubber cement, etc. to help stabilize the Launch Pad. PCB tolerances are out of our control so

this is the best possible way, for now, to take care of this. Future revisions of the Launch Pad will include legs that can be soldered into place which will negate any other items being needed. We do not recommend you use anything permanent like Super Glue here in the event you wish to change anything, it will be very hard to remove the super glue from the PCB without causing damage.



9. You can now solder your reset button into place. This is not strictly required for the Launch Pad to function, however it will make resetting your Launch Pad a breeze. This is especially useful when flashing firmware. The easiest way to do this is to apply a small amount of solder to each of the four solder pads on the PCB. Then warm each up one at a time while sliding that section of the reset button's legs into the (now liquid and hot) solder. You can also attempt to sit the reset button in the appropriate position and solder normally, though this is trickier as the legs are so small.

10. You may optionally use high-grit sandpaper to take care of some of the rough edges left after snapping apart the PCBs.

11. Put your desired keycaps on, plug this bad boy in via MicroUSB, and get clacking!

This is far from an extensive guide on how to solder and assemble keyboards, macropads, diodes, etc. We highly recommend you practice on prototype PCBs or something with no value before attempting a build, such as the Launch Pad. There may also be different, or better, ways to accomplish some tasks above, please understand this is simply one person's method of putting everything together correctly. We hope you have fun putting together your Launch Pad. Be safe!

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