1023 LiPo board mating instructions.

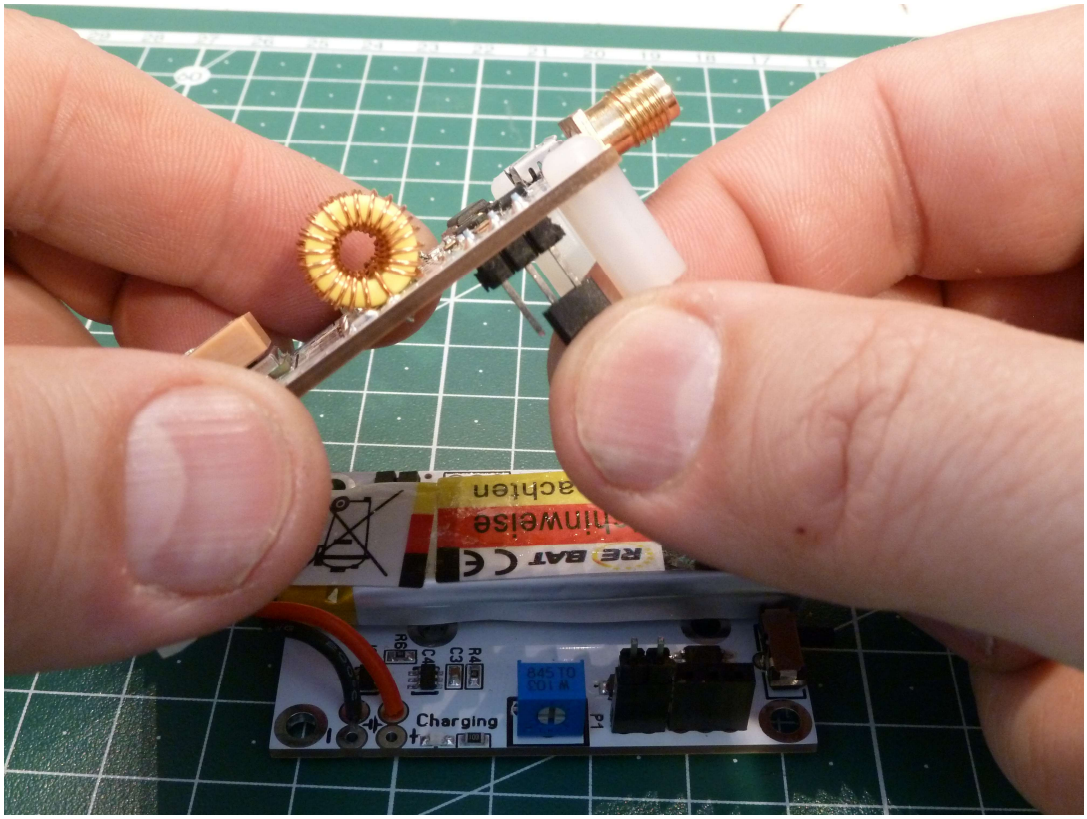
The 1S 600mAh LiPo board (product number 1023) is an add-on board for several products that will sit on-top of the LiPo board.
The LiPo board will power the mated board with 3.7V Max 1A.

This document describes how to mate the LiPo board to another board.
The user will need to solder two points and screw together the boards with the included plastic fasteners

The two boards will then operate as one unit.

Step 1

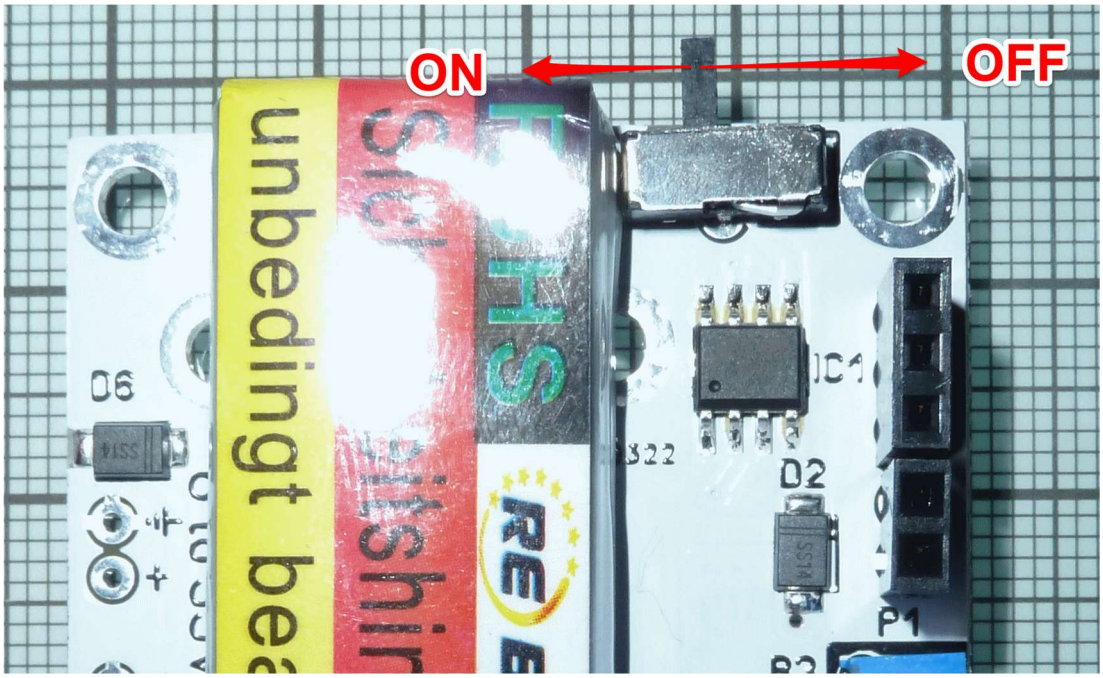
Preparing the board that will be mated.
The board that will sit on top has a jumper on its pin header, remove the jumper.



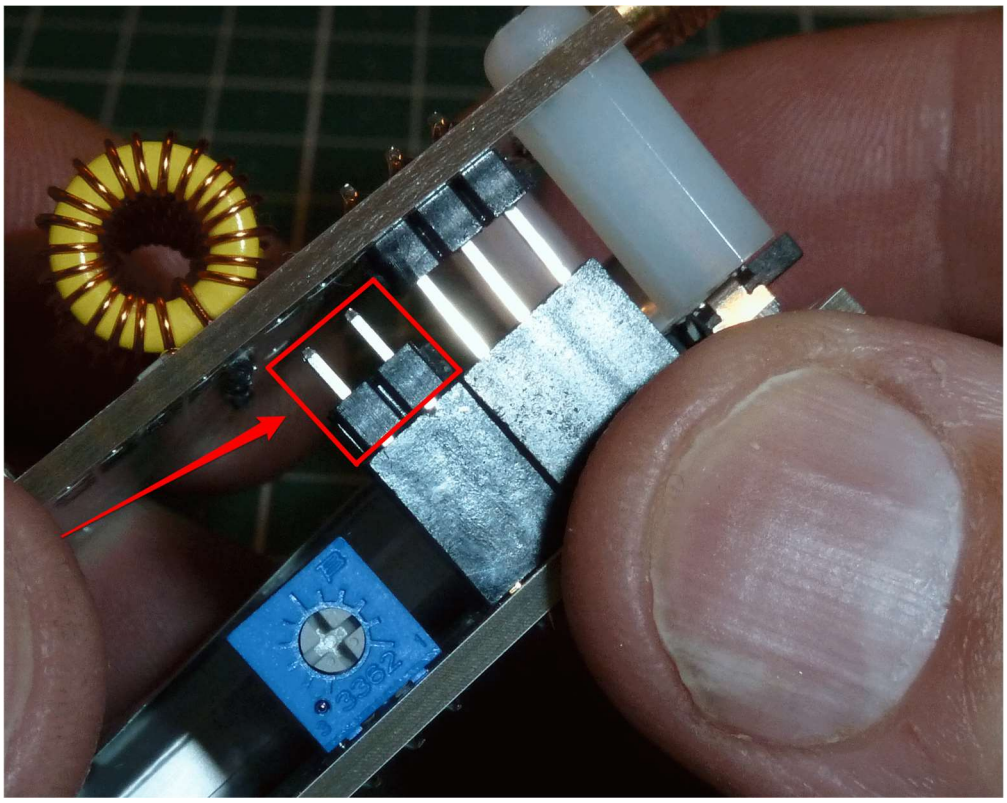
Step 2

Preparing the LiPo board.

Make sure the power switch on the LiPo board is in its off position to the right.



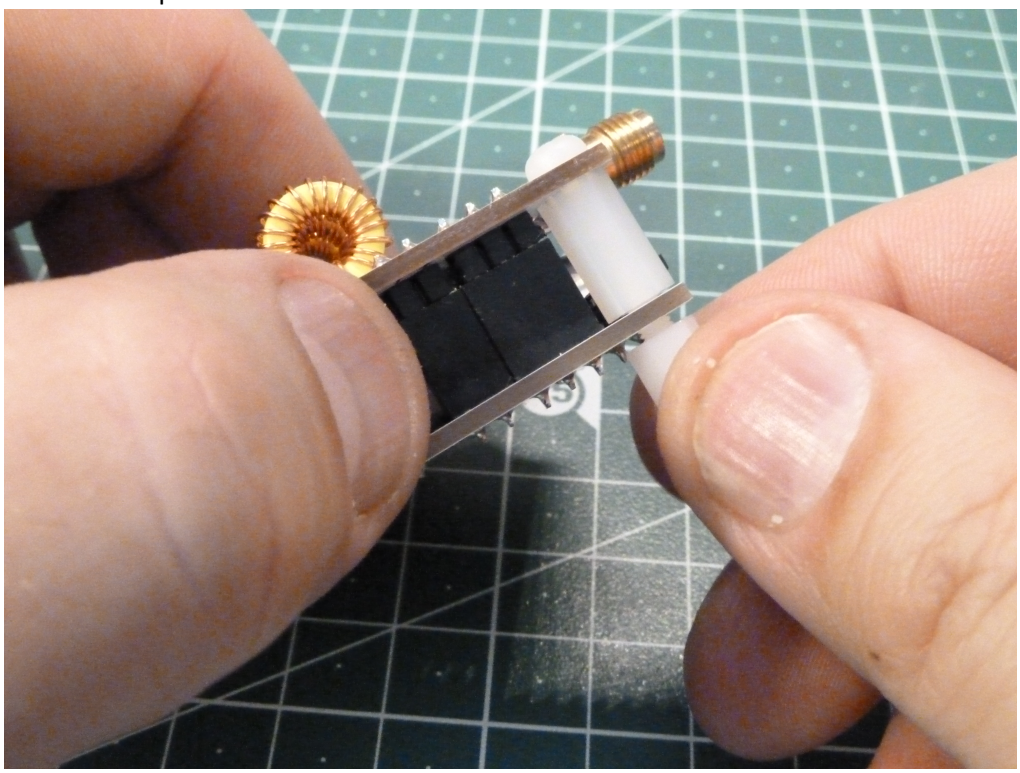
Make sure that the 2-pole female pin header on the LiPo board has its male pin header inserted in it.
This is usually the case when it comes delivered so just verify it is there.



Align the pin header with the pins and Insert the boards together.

Solder the two pins on the mated board.

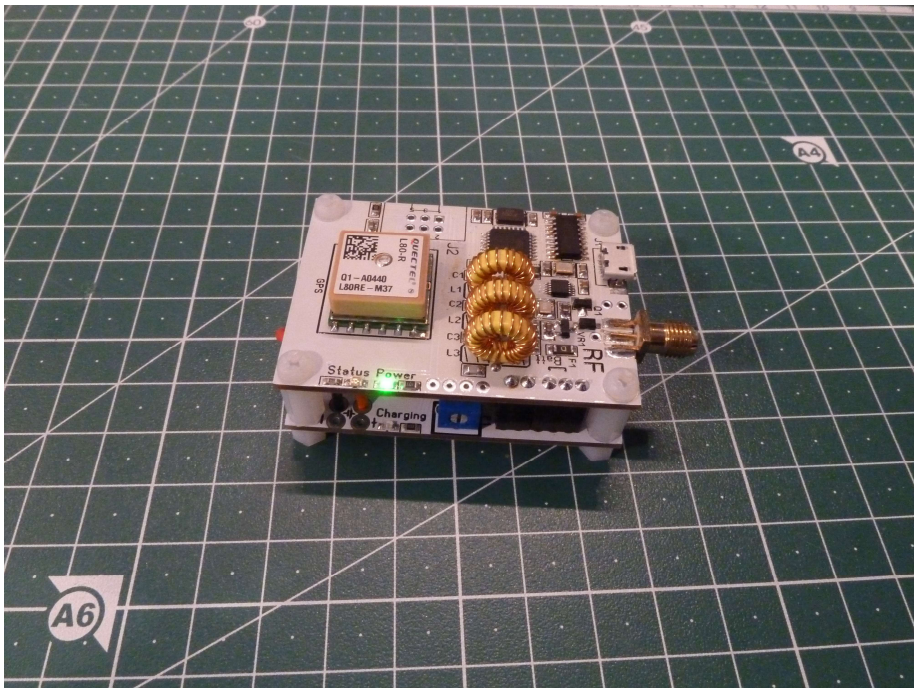
Screw in the plastic hex studs fasteners that came with the LiPo board.



Done!

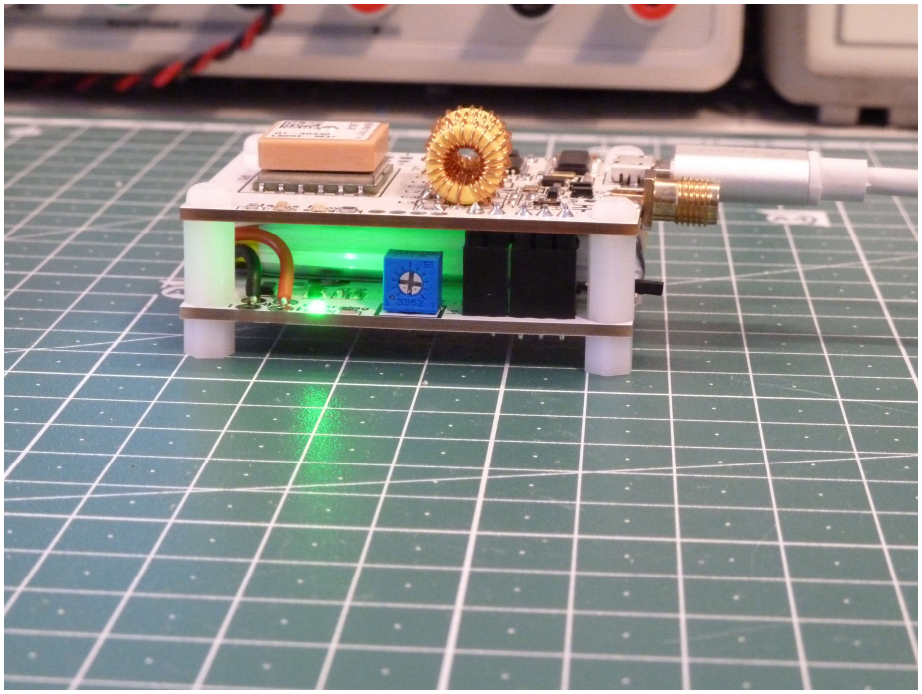
The two boards now work as one unit.

The power switch on the LiPo board will now power on the mated board.



If a USB cable is inserted to the mated board it will charge the LiPo battery.
The charging circuit on the board will automatically turn on or off the charging when necessary.
The protection circuits will disconnect the battery if it gets fully depleted

The green charge LED will indicate when charging is occuring.



The blue potentiometer sets the charge current.
Turn it fully clockwise to charge with up to 1 Ampere.
Counter-clockwise to set charge current to 100mA

If you want to use the optional DC inputs to charge the LiPo you will need to solder in the 7805Voltage regulator.
There is a separate document that describes that

END OF DOCUMENT