Flux1001, the flux LED breakout board


You’ll find the latest versions of the instructions and example source code at the address above.

Thank you for purchasing the Flux1001 breakout board! I hope you have lots of fun with it!

If you have any suggestions for future boards then please let me know. I’ll send you some free boards if I like your idea!
Kit Contents

This kit was put together by a team of highly skilled octopuses; it should contain the following items:

1) The main PCB (96.6mm x 13.1mm)
2) 9x super flux LEDs
3) 3x 33 ohm resistors
4) 2x 2-pin headers

Important Things to Remember

This kit was designed to run off 5V. When connecting up the voltage ensure that the polarity is correct by turning on the power.

Before soldering any components check and then double-check that they are correctly oriented.

Don’t rush, and have lots of fun!

If you need a good tutorial on soldering then SparkFun Electronics has a good one (https://www.sparkfun.com/tutorials/106) as does Adafruit Industries (http://www.ladyada.net/learn/soldering/thm.html).
Building Instructions

You will need a soldering iron, solder, an octopus (or a set of handy helper things) and wire cutters. To keep some of the large components in place while soldering you might find Blue-Tac useful to stop them moving around or falling off.

Take your time and check the placement of every component before soldering them in place!

STEP 1 – The Flux LEDs

The LEDs sit on top of the PCB, in the 9 marked-out locations. Solder them in place, ensuring that the flattened corner of the LED matches up to the respective mark on the PCB.

STEP 2 – 3x 33 ohm resistors (R1 – R3)

The resistors should be soldered next, place them so the main body of the resistor sits on the top of the PCB. Once they’ve all been soldered in place you’ll need to trim the leads using a pair of wire cutters.

STEP 3 – The 2-pin headers

Finally, the 2-pin headers can be soldered on to the PCB. These are used to get power in to, and out of, the PCB.
If you have any comments or suggestions for this kit then please let us know.

For more information, updates and details of new kits check out the following links:

- Website: www.MaximumOctopus.com
- Twitter: http://www.twitter.com/maximumoctopus
- Blog: http://maximumoctopus.wordpress.com
- Online store: http://store.MaximumOctopus.com
- YouTube: https://www.youtube.com/user/freshneyorg

This kit was designed and manufactured in the UK.

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