

Protean Blue + Green = all kinds of awesome

Combine those bad boys
into one box

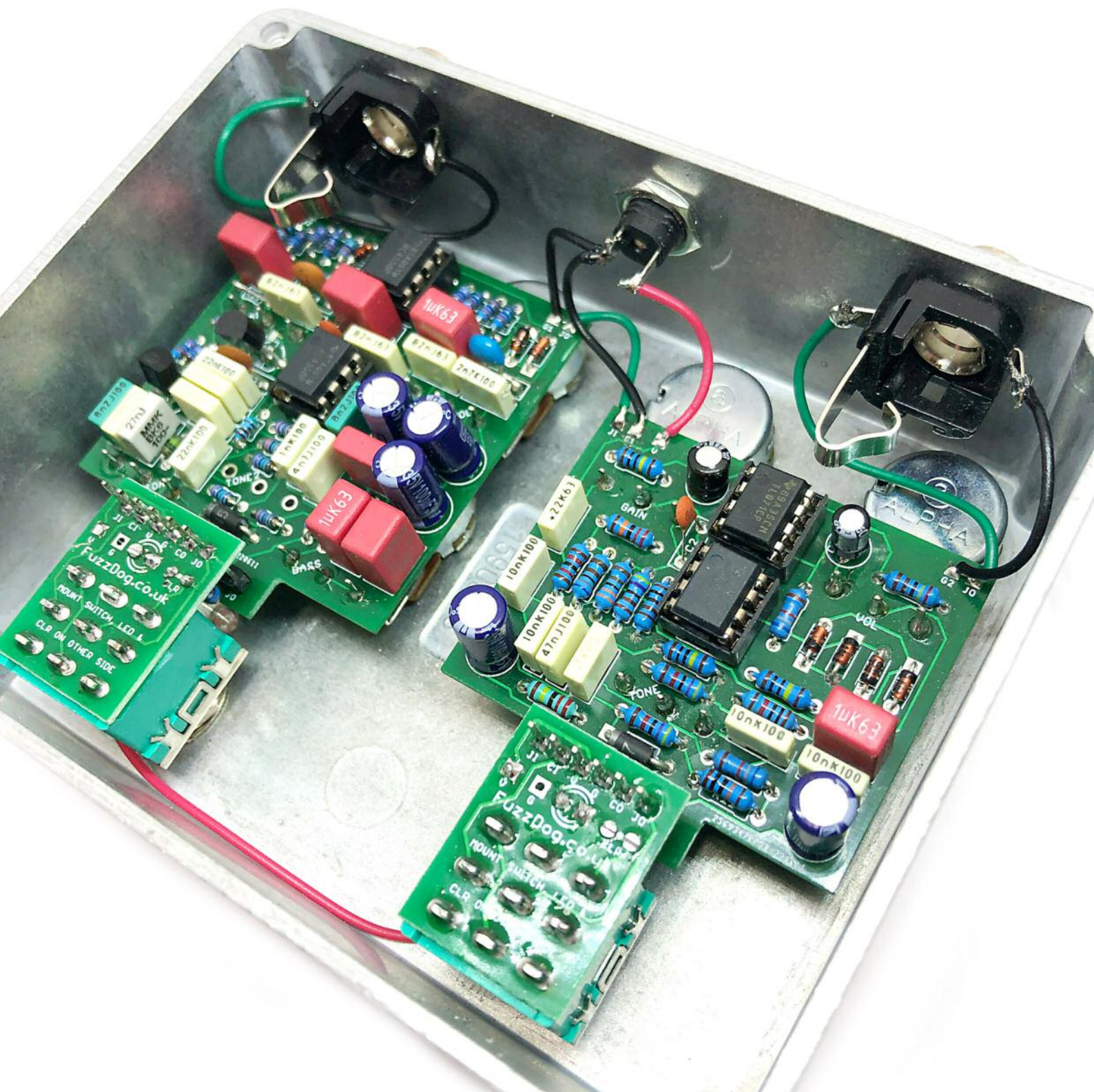


What's this all about?

If you're reading this we'll assume you want to combine both Protean circuits into one box for an awesome box of brilliant drive.

You'll (hopefully) end up with something that looks this...

It's pretty simple - we planned ahead.



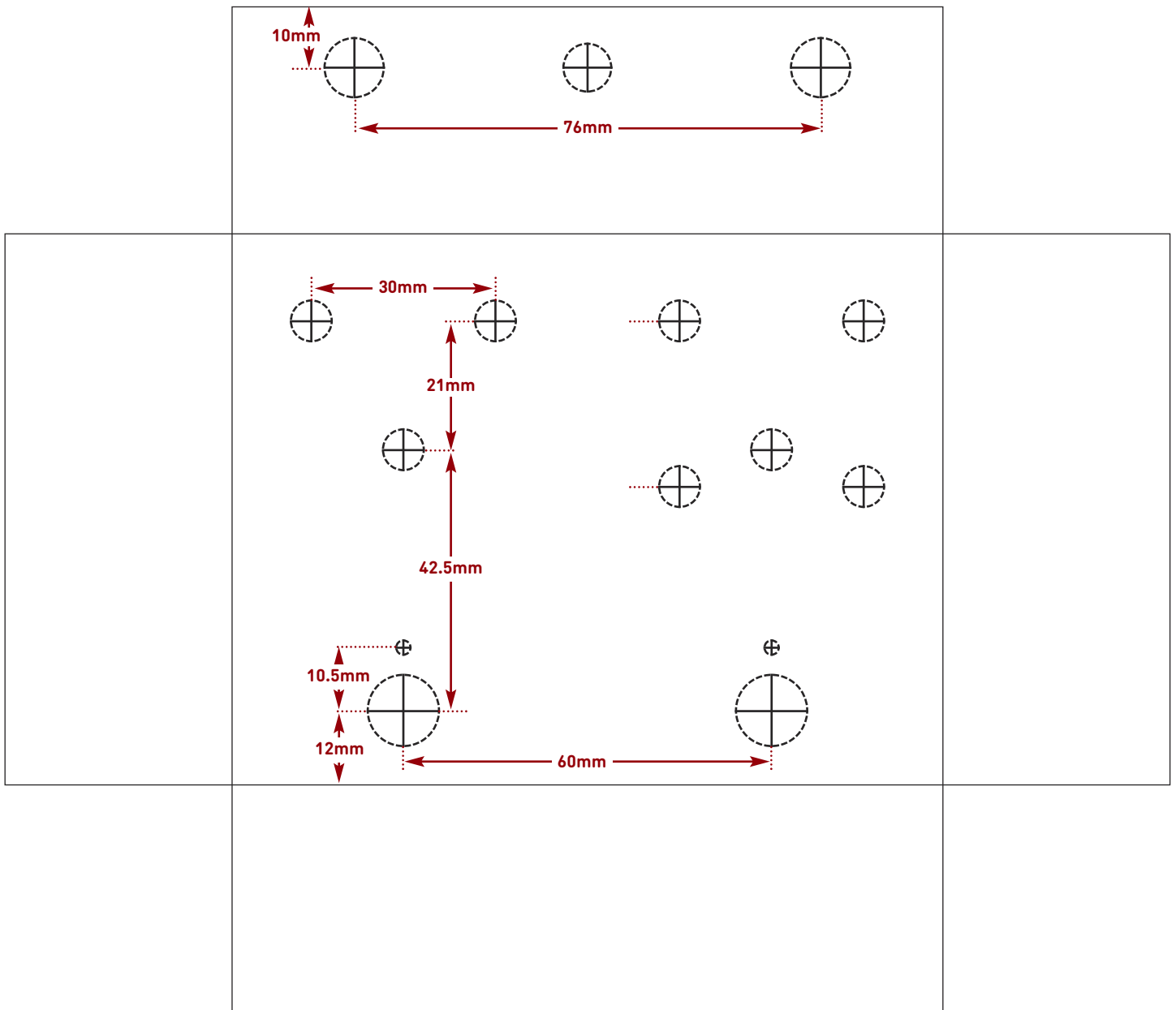
First things first...

Build your two Protean circuits

They have their own build documents. The only thing to change is to use **20mm header pins** for the six in/out/power pads (Direct Connect). The length is important. Standard 12mm headers aren't going to reach.

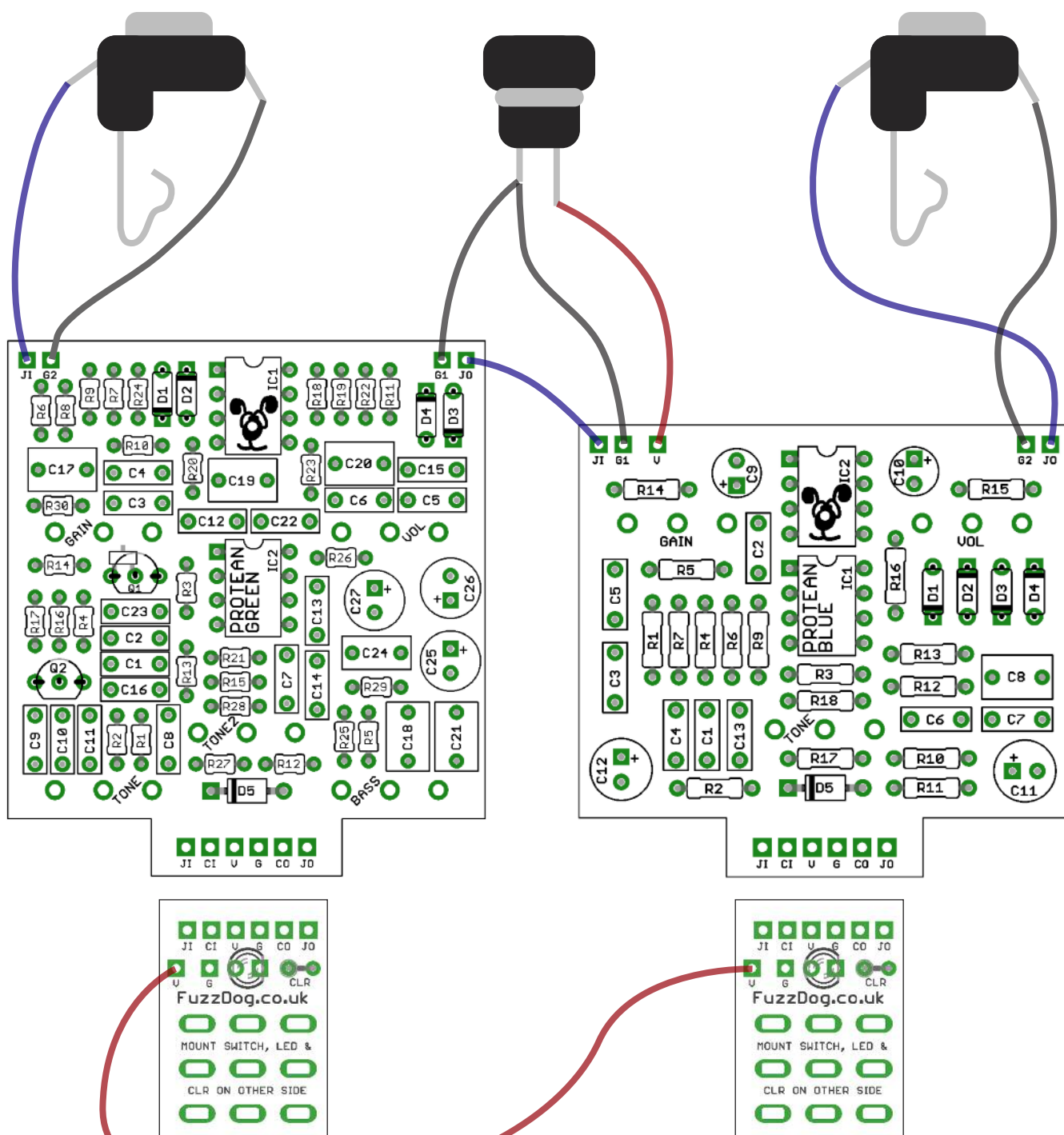
You don't have to use headers - you can always wire them - but we've designed things to keep wiring to a minimum so why not?

If we've supplied your enclosure you're set to go. Otherwise use the following template for your 1590BBS.



Wiring

Here's how to do the offboard wiring. Simple.



Mounting the footswitches

Again, simple. Mostly...

The only slightly fiddly element to this is getting the LEDs in place.

First off, you may prefer to put the CLR resistors on the top of the daughterboard PCBs rather than the bottom as shown in the main image on page two. There's plenty of depth in the enclosure to make this possible, and it will keep them out of the way while manoeuvring the LEDs into position.

Basically there won't be enough gap between the footswitch and the main circuit PCB to simply push the LED down into position when the daughterboard is fully mounted.

You'll have to have the LED legs in the holes on the PCB, but drop it right through the board so the body is below the level of the main PCB. Bring the daughterboard across into position and drop it onto the header pins. You can now fully release the LED into its hole in the enclosure. It's not rocket science. Just ensure you have the LED in place before you solder the header pins to the daughterboard or you have a world of pain ahead.

And that's it. You're all set to go.

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