

# SPLIT BUILD GUIDE AND MANUAL



Hello fellow DIYer!

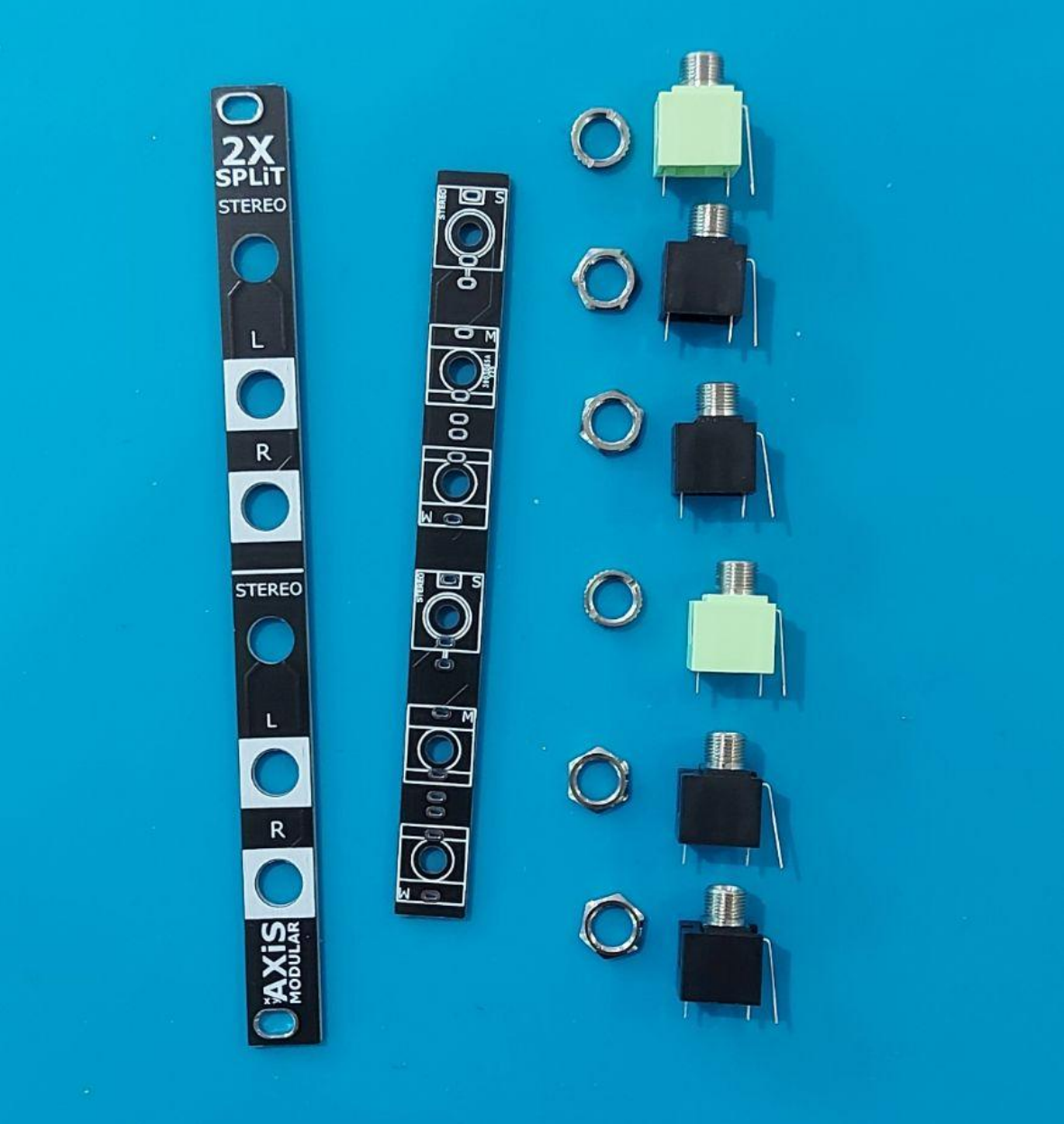
Thank you for purchasing a SPLiT kit. This is a simple yet useful passive DIY module for your Eurorack system. It allows you to either input your small external devices such as iPhones, Korg NTS-1, Pocket Operators with your system easily or output your Eurorack signals to external gear!

Please be aware that as this is passive and will not boost or reduce input/output audio levels so you would need to attenuate/amplify signals using modules such as the Music Thing Modular-Mikrophonie(amplify) or the AT-AT-AT Attenuator(reduce) from Thonk(or similar devices).

This is an ideal first time DIY soldering project for you as there are very few parts and it has been designed carefully so that it should be easy to build first time. It is passive so it takes no power from your system and is only 2 HP in size.

If this is your first time soldering please check out this useful guide [here](#).

By undertaking the construction and soldering yourself you agree that it is your responsibility to complete the final build safely and confidently. This kit is sold exclusively through Thonk and you can find full terms and conditions [here](#).



**Bill Of Materials**

PART	DESIGNATOR	
2 x Stereo Thonkiconn (Green)	S	

4 x Mono Thonkiconn (Black)	M	
6 x Nuts (2 knurled and 4 hex)		
1 x SPLiT Front Panel		
1 x SPLiT PCB		

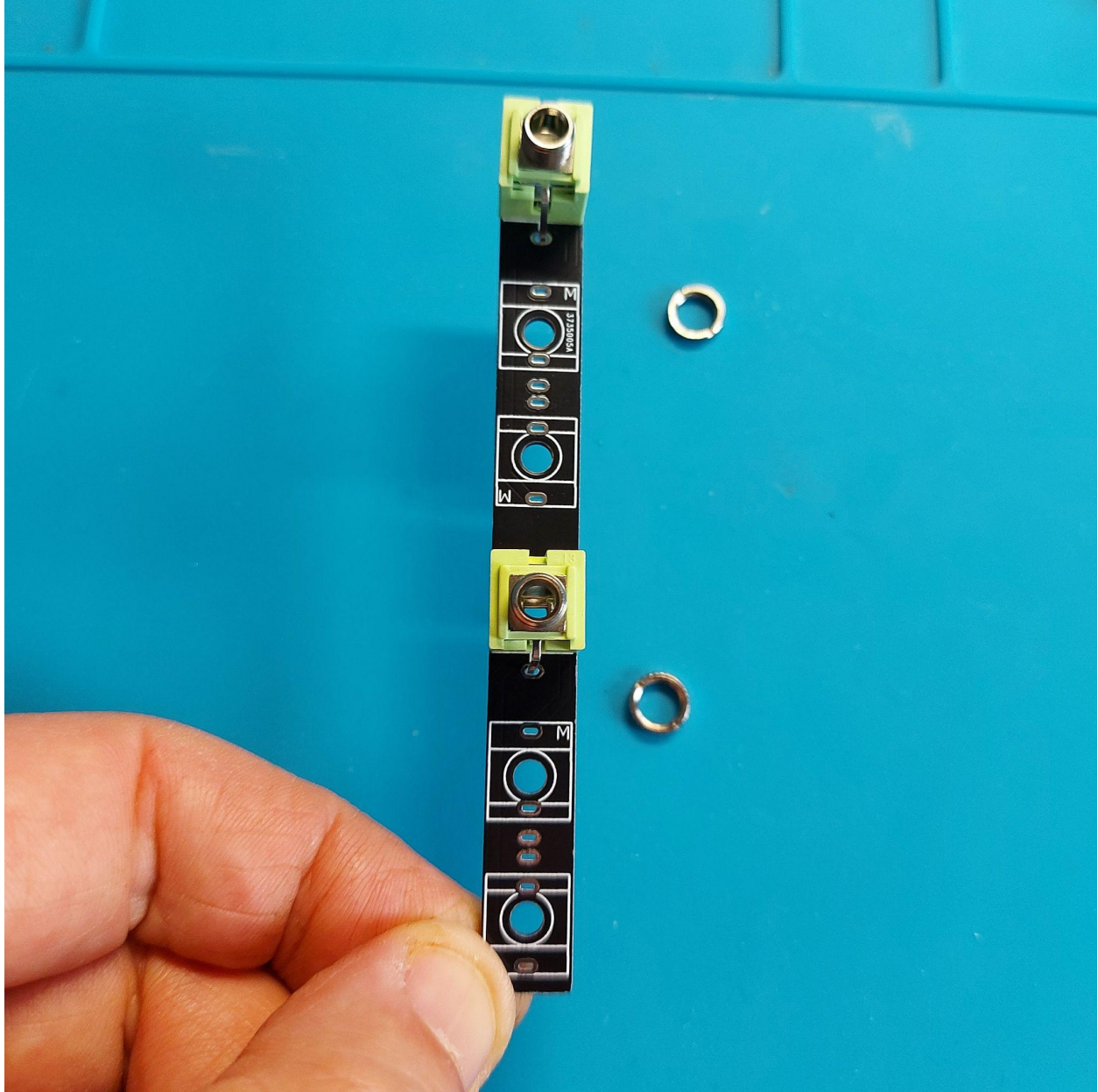


### BUILD PROCESS

First, grab the 2 x green stereo jacks and the PCB. Place each of the Jacks where

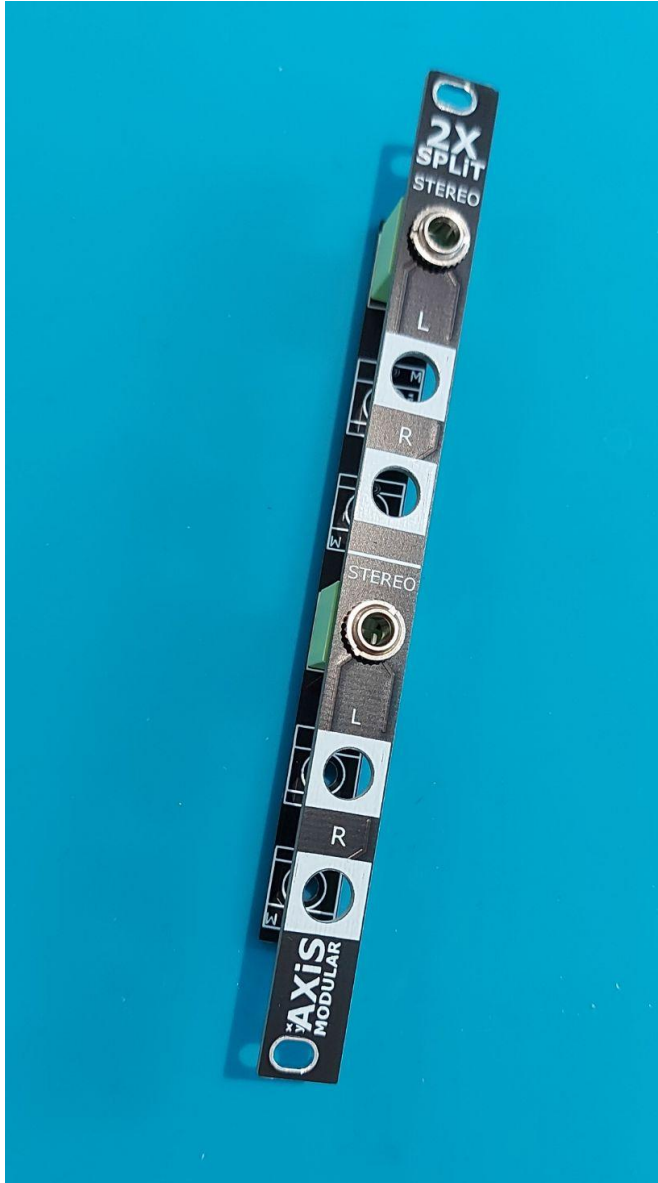


the silkscreen displays the 'S' (S is for Stereo).



Next, grab the front panel and place over and onto the jacks and finger tighten the two round knurled nuts. Remember to keep hold of the panel and PCB(or use an elastic band or masking tape wrapped around to hold them in position).

**Note: Make sure the stereo jacks are in the correct position when in the panel as shown.**



Now, turn over the panel and PCB and solder the jacks into place.

**Tip: Solder one leg first and make sure the jack is straight before soldering the other two. If it needs adjusting then simply reheat the leg and carefully straighten the jack before attempting the other connections.**

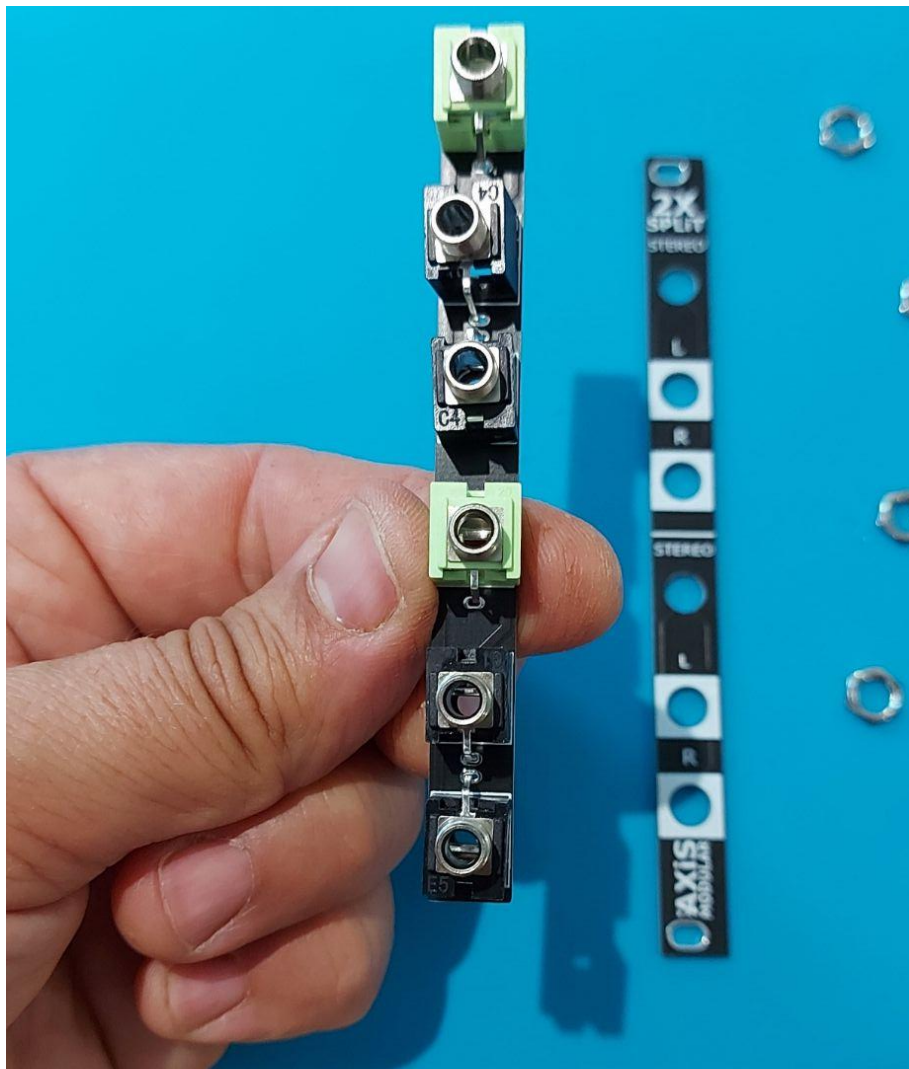


Now that the two stereo jacks are done, untighten the nuts and remove the front panel.

Place the mono jack sockets onto the PCB and place them onto the PCB where the silkscreen displays 'M'

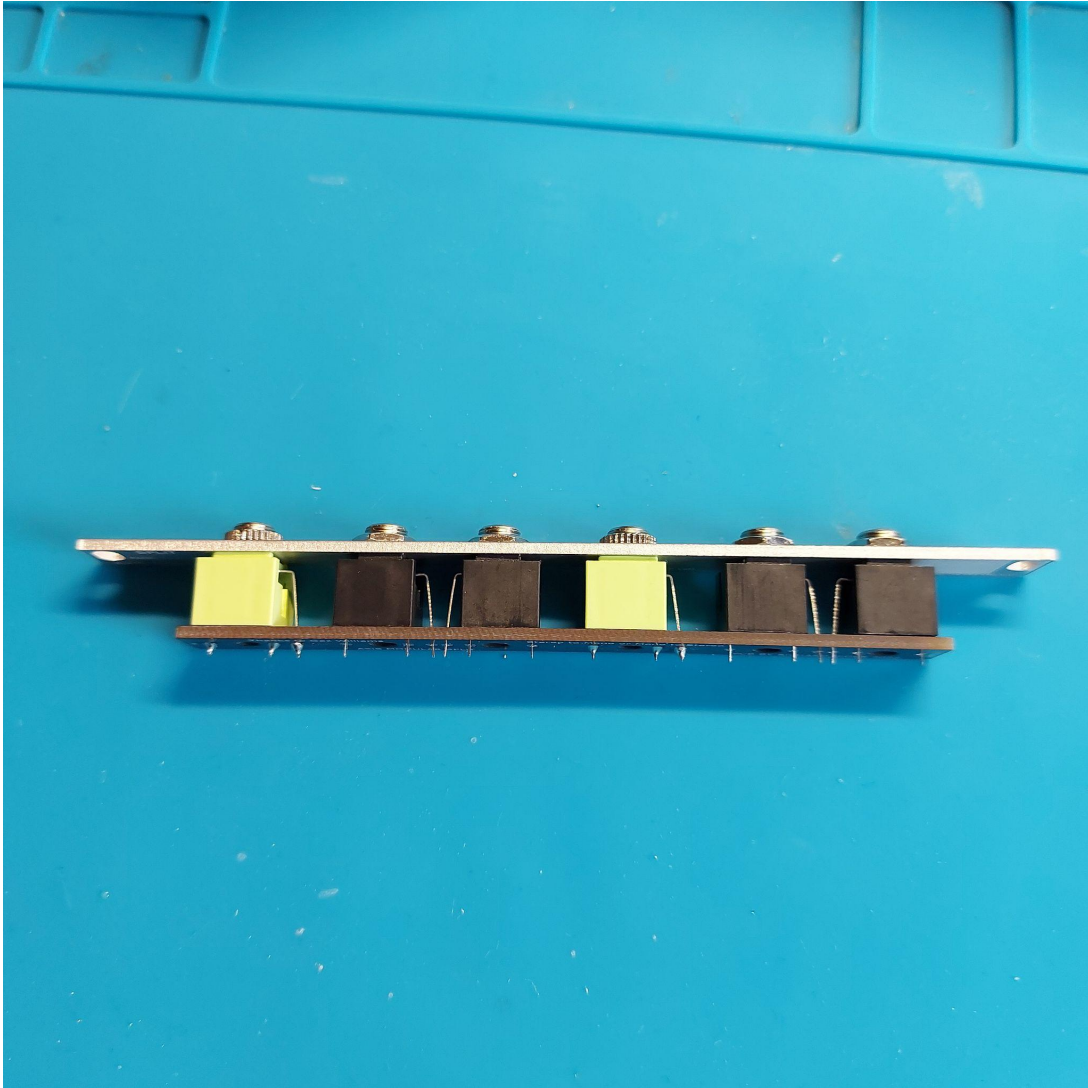


**Note: Each pair of jacks ground legs(the sticky out ones) face each other and do not worry if you accidentally bridge these when you solder them.**



Place the panel back on and put the knurled nuts back onto the stereo jacks. Now you can place and finger tighten all the mono jack nuts.

Make sure the jacks are straight and sitting nicely and that the panel is laying flat, turn over and solder all the mono jacks in place.



Once soldering is done you can either trim the legs of the jacks or keep them as is (they don't stick out too far).





Check all your solder joints for any bridging or cracks and reflow as needed, then clean the PCB using a Flux cleaner.

Now you should be good to go!

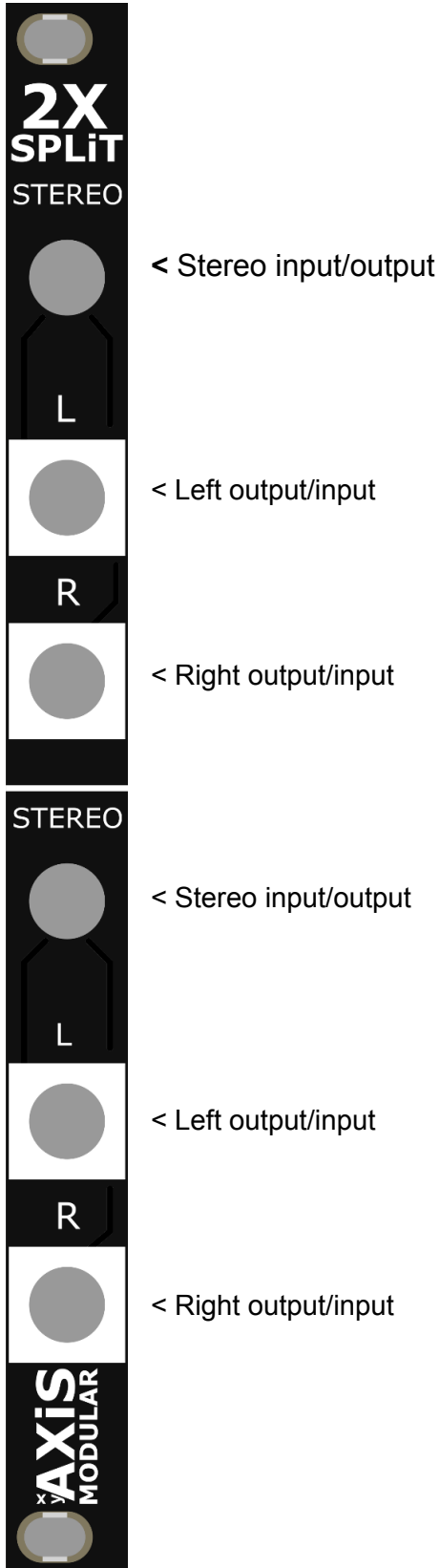
### **SPLiT usage and tips and tricks**

Now that the module is part of your system what can be done with a seemingly simple little 2 HP utility??

Here are some ideas and uses:

- Plug in an iPad/iPhone and split out left and right channels to route into your system. You'll probably need to boost the signal on each channel after. How about using the 2XiNPUT module for this job??
- Use a pocket Operator connected with a stereo cable to use its sync output and audio with your Eurorack system.
- Connect your Korg Volcas.
- Output your favourite eurorack module into a Korg NTS-1 or MiniKP for audio FX processing and back into your Eurorack for further patching.
- Convert a TRS-A to TRS-B MIDI cable!

- I'm sure there are many other uses that I haven't thought of yet, can you think of any??



## TECH SPECS

Width: 2HP

Module Depth: Teeny

Power consumption: Zero

High quality parts sourced from UK suppliers excluding PCB's.

Panel and PCB: Lead Free

Packaging recyclable where possible.