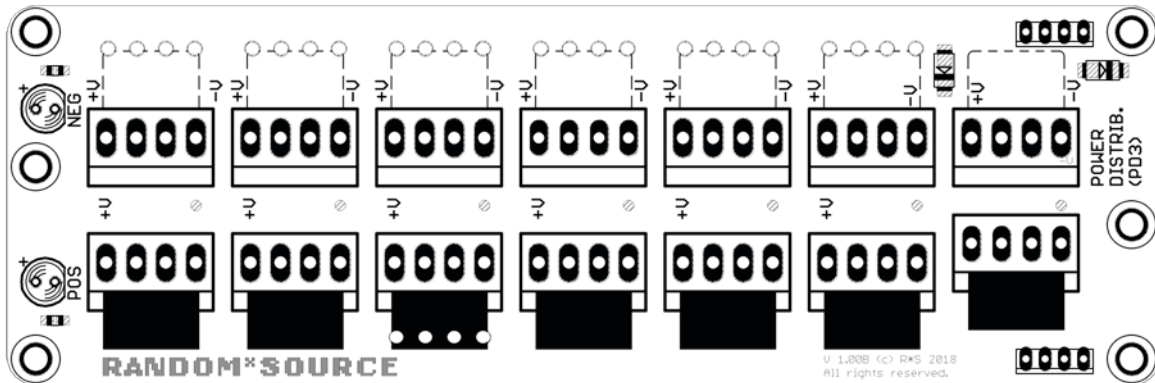


# R\*S PSD 2" for SERGE VCFQ (SMT)



This is a special PSD designed to be mounted on top of a Serge VCFQ 4U (SMT) pcb to power the entire panel - including the VCFQ underneath. Here's how it works:

- **Do not install an MTA-156 power header on the VCFQ** - instead use 4-pin strips and headers on each side of the pcb(s) - the VCFQ is powered directly from the PSD above.
- Use 4 spacers (10mm) to mount the PSD pcb on top of the VCFQ.
- Optional: you can install 2 LEDs on the PSD to indicate power on each rail (+V and -V). To use LEDs, you have to install 2 LED resistors (e.g. 2k2 for normal brightness LEDs) - each one next to the LED.
- Optional (but a good idea): install 2 S1A diodes (Mouser: 512-S1A) to protect your modules / panels against mixing up +V and -V. **DISCLAIMER: We cannot assume any liability for proper installation or functioning of this protection! Use at your own risk. Important: mind the direction of the diodes.** Please note: these diodes protect against mixing up the power going to the PSD - not any hiccups in wiring from the LEDs to the modules, so be careful.
- The PSD can accommodate a number of MTA-156 headers - either straight (upright) ones (Mouser: 571-6404454) or - for superslim boats - angled ones (Mouser: 571-6403894 and 571-6403874 **depending on direction**).

## Recommended Pinouts / Colors:

	Color	Neutrik XLR	MTA-156	Serge (Molex)
+12V	RED	Pin 1	Pin 1*	Pin 4 (flat end)
0V	GREEN	Pin 2	Pin 2*	Pin 3
0V	BLACK	Pin 3	Pin 3*	Pin 1 (triangular end)
-12V	WHITE	Pin 4	Pin 4*	Pin 2

\* MTA-156 as indicated on the pcb or module pcbs. **MTA-156 PIN ORDER DEPENDS ON THE ORIENTATION OF THE HEADER PLEASE PAY ATTENTION TO THE +V and -V MARKINGS ON THE PCB FOR BOTH SIDES.**

**TIP OF THE DAY:**

**TEST THE POWER (+V, GND (0V) and -V) ON THE PSD BEFORE ATTACHING ANY MODULES!**

(Last Change: 13. January 2019, 11:12 PM)