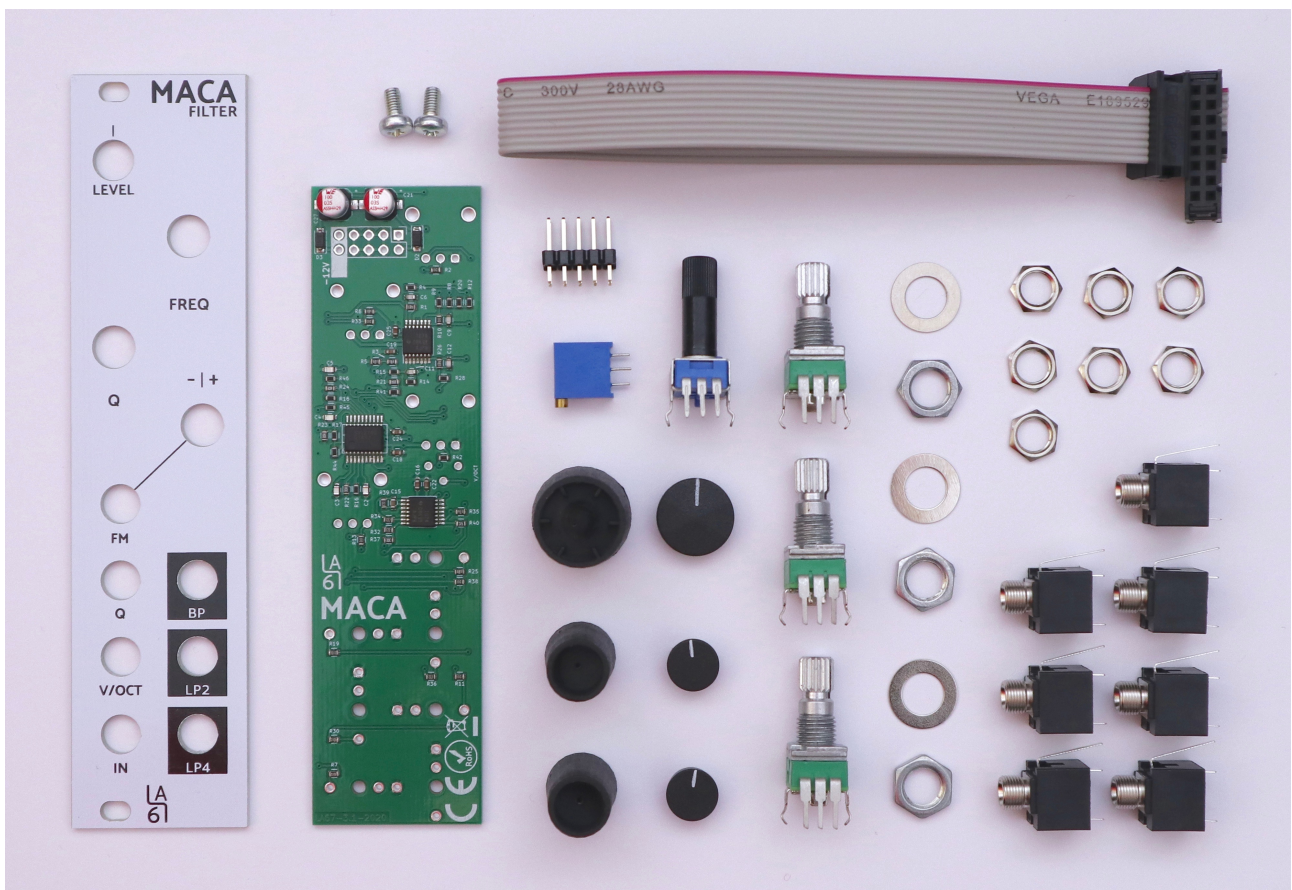


Thank you for purchasing the La 67 MACA filter DIY kit. Included is everything needed to build a fully functional MACA filter module for your Eurorack modular synthesizer:

- MACA front panel
- MACA PCB with SMT components installed
- 3 x Alpha potentiometers
- 1 x Song Huei potentiometer
- 7 x Thonkiconn jacks and nuts
- 3 x Cliff knobs and caps
- 1 x trimmer potentiometer
- 1 x 2x5 power header
- 1 x Eurorack power cable
- 2 x M3 mounting screws

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Please contact your point of purchase if any components are missing from the kit. Alternatively, you can contact La 67 directly via the contact form here:

<https://www.lasesentaysiete.com/>

## Bill of Materials

Component	Quantity	Specification	Reference
Threaded pot	3	b100k t18 shaft	RV3, RV4, RV5
Threadless pot	1	b100k centre detent	RV2
Jack	7	Thonkiconn	J1-J7
Big knob	1	Spline shaft	"FREQ" pot
Small knob	2	Spline shaft	"Q" & "+/-" pots
Big cap	1	(for big knob)	
Small cap	2	(for small knob)	
Trimmer pot	1	20k multiturn	v/oct
Power header	1	2x5 pin	
Power cable	1	10-16 pin	

## Build and Calibration Notes

The potentiometers and jacks are to be installed/soldered on the "panel" side of the PCB (the one without the SMT components). Only the 2x5 power header is to be installed on the "components" side of the PCB.

The 20k multiturn trimmer is used to calibrate MACA's v/oct response. With the filter self-oscillating (high "Q" setting and no inputs connected), monitor any output with a tuner or oscilloscope. Adjust the "FREQ" knob to a note/frequency of your choice (e.g. A 440hz). Insert a v/oct source into the "V/OCT" input and adjust the multiturn trimmer until MACA tracks correctly.

More information about the MACA filter module can be found here:

<https://www.lasesentaysiete.com/maca-filter>