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OSS-EG

Super Synthesis EG

Build Guide

eg

Low-profile parts first, tall parts last, back side first — so nothing blocks the iron.

Through-hole kit · SMD pre-assembled · 4 steps · 9 parts · 5 sheets

PULL & SORT YOUR PARTS

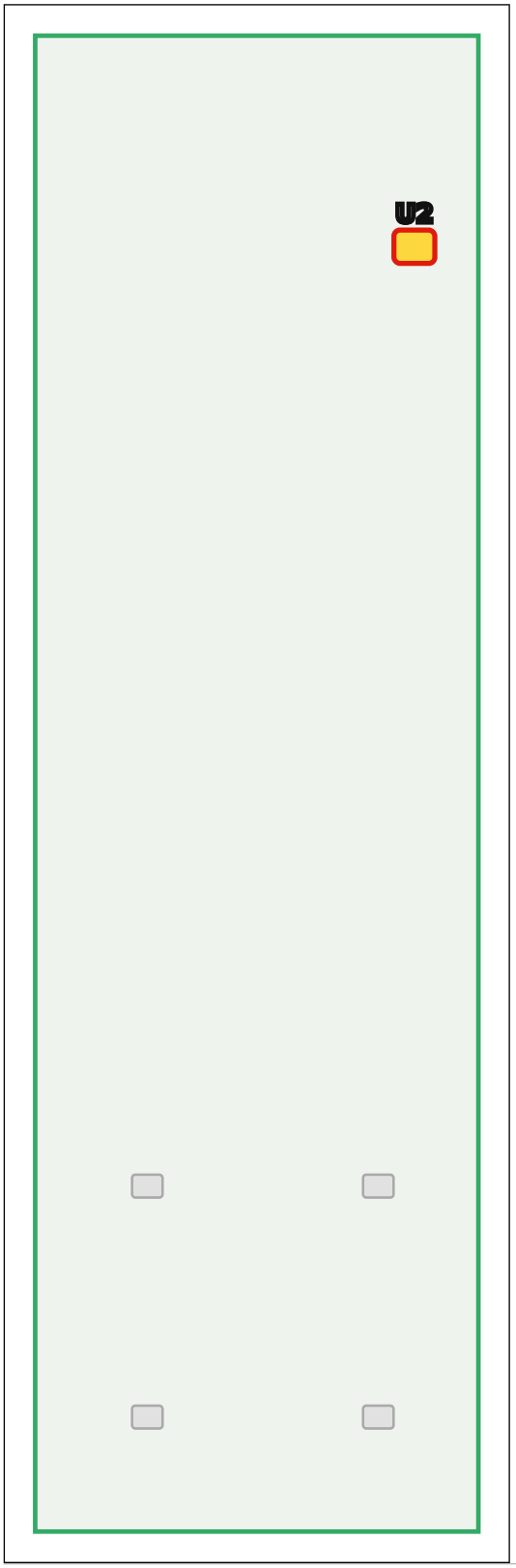
Tick each off as you find it. Listed in build order — the step that needs it is on the right.

	QTY	VALUE	PACKAGE	REFERENCE DESIGNATORS	FIRST USED
☐	1×	**10P_TH_2.54**	10P euro	**U2**	1. Power header · back
☐	1×	**CV**	Jack	**J1**	2. Seat the panel hardware
☐	1×	**OUT**	Jack	**J2**	2. Seat the panel hardware
☐	1×	**TRIG**	Jack	**J3**	2. Seat the panel hardware
☐	1×	**EOC**	Jack	**J4**	2. Seat the panel hardware
☐	4×	***M6 jack nut***	*hardware*	***J1 J2 J3 J4***	*with the panel hardware*
☐	4×	***Jack washer***	*hardware*	***J1 J2 J3 J4***	*with the panel hardware*

STEP 1 OF 4 **BACK SIDE**

Power header

1 part to place · 1 of 9 done after this step



PLACE & TICK	VALUE	PACKAGE	ORIENTATION
☐ U2	10P_TH_2.54	10P euro	notch or dot → pin-1 mark

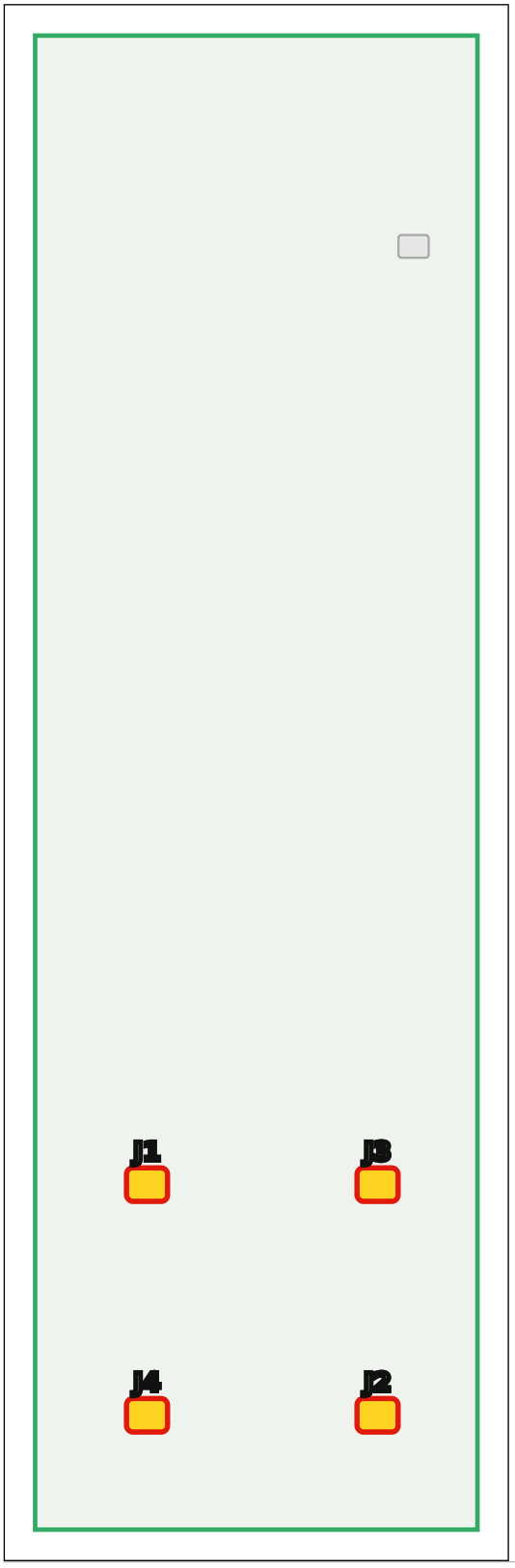
↺ Flip the board — these mount on the BACK, and the picture is drawn from the back.

HOW. Fit the power header first, before anything else stands proud of the board. It mounts on the back, and once the front is populated the board will not sit flat to solder it. Check the -12 V stripe against the silkscreen: a reversed header is the one mistake that damages the module.

STEP 2 OF 4

Seat the panel hardware

4 parts to place · 5 of 9 done after this step



PLACE & TICK	VALUE	PACKAGE	ORIENTATION
☐ J1	CV	Jack	notch or dot → pin-1 mark
☐ J2	OUT	Jack	notch or dot → pin-1 mark
☐ J3	TRIG	Jack	notch or dot → pin-1 mark
☐ J4	EOC	Jack	notch or dot → pin-1 mark

HOW. Seat every pot, jack and switch in its holes — but solder nothing yet. Push each one fully down against the board and leave it loose. Fit these last. Mount panel jacks through the panel and tighten before soldering so everything lines up; seat headers square to the board.

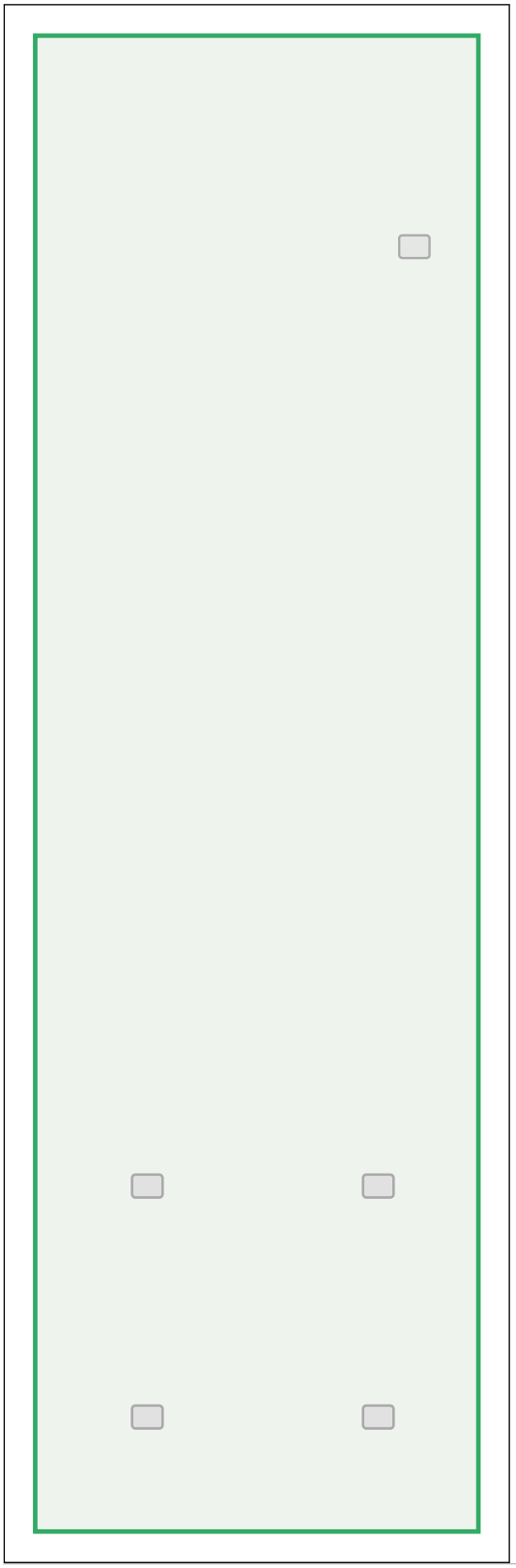
eg · step 2 — Seat the panel hardware

Sheet 3 of 5

STEP 3 OF 4

Fit the panel and tighten the nuts

0 parts to place · 5 of 9 done after this step



PLACE & TICK	VALUE	PACKAGE

HOW. Drop the front panel over the seated hardware and start every nut by hand: the jack nuts, the pot nuts, and any washers that go under them. Tighten them down snug. This pulls each part square to the panel rather than to the board, which is what makes the finished module line up.

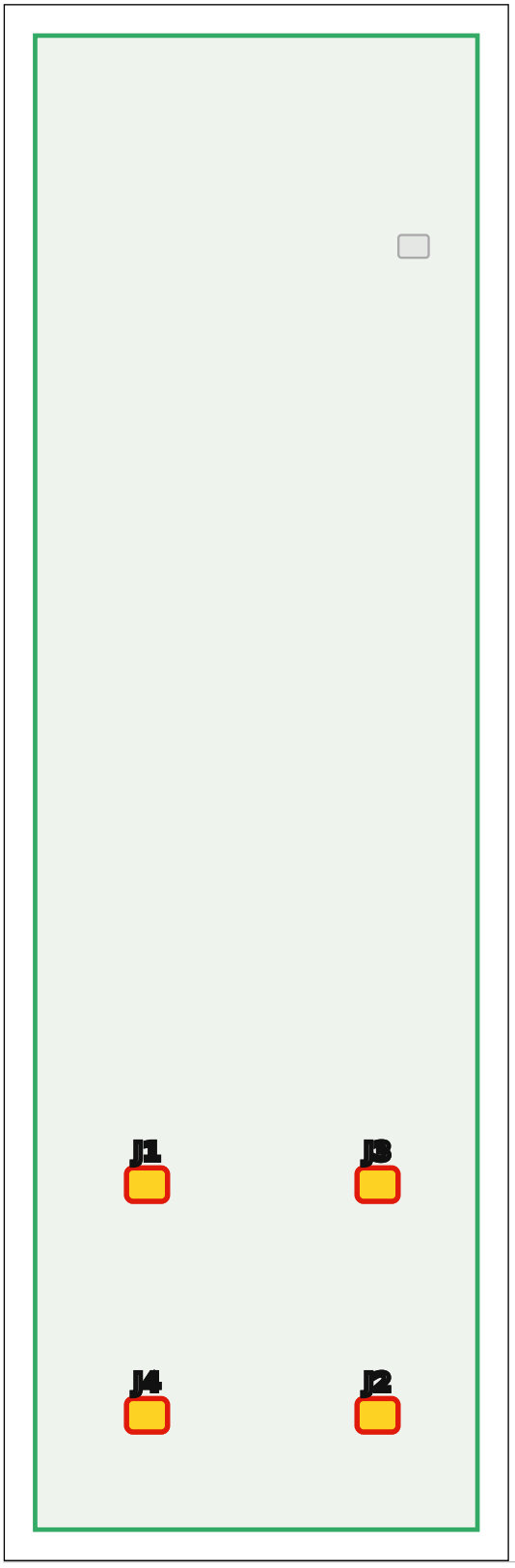
eg · step 3 — Fit the panel and tighten the nuts

Sheet 4 of 5

STEP 4 OF 4

Solder the panel hardware

4 parts to place · 9 of 9 done after this step



PLACE & TICK	VALUE	PACKAGE	ORIENTATION
☐ J1	CV	Jack	notch or dot → pin-1 mark
☐ J2	OUT	Jack	notch or dot → pin-1 mark
☐ J3	TRIG	Jack	notch or dot → pin-1 mark
☐ J4	EOC	Jack	notch or dot → pin-1 mark

HOW. Now solder the panel hardware, with the panel still bolted on. Work around the board rather than finishing one part at a time, so nothing is pulled out of alignment by heat. Then check every nut is still tight.

eg · step 4 — Solder the panel hardware

Sheet 5 of 5