



GOBLET

build guide (≥1.5)

difficulty: ☆☆¹



Hi fellow!

Just a quick intro before starting,

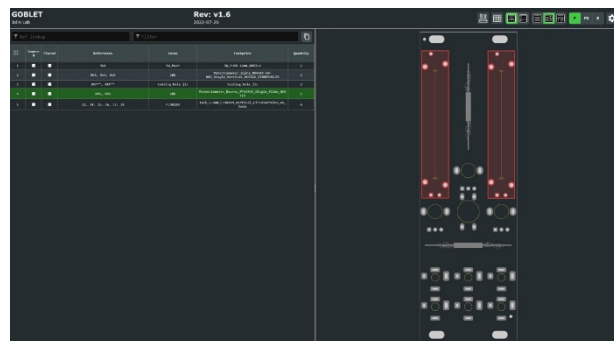
what to have on hand

1. Soldering Iron - better if with temperature control
2. Solder wire
3. Multimeter (optional)
4. Solder sucker / wick (optional)
5. Silicone soldering mat (optional)
6. Helping hands (optional)
7. Flux (optional)
8. Cutter (optional)

If you want to refresh yourself a bit about soldering stuff you can watch [this video](#)² by GreatScott!

A tool that can help you checking the components on the board is the interactive bill of materials.

Download the .html *ibom* file and open it with a browser. You can use it to check where a component is located on the board. Once downloaded it works also offline.



Here are listed all the GOBLET components, most of them are already pre-soldered on the board. We just need to solder the through hole ones (THT).

BE CAREFULL NOT TO TOUCH THE SMD COMPONENTS WHILE SOLDERING THE THT ONES.

It's really easy to lose a tiny resistor or capacitor. Be careful when soldering parts that are close to others already in place.

now let's begin!

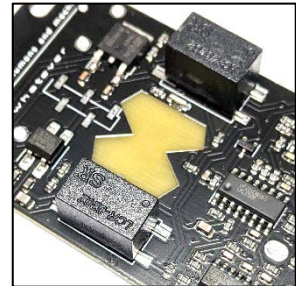
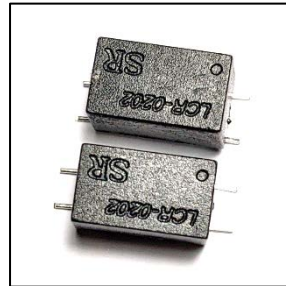
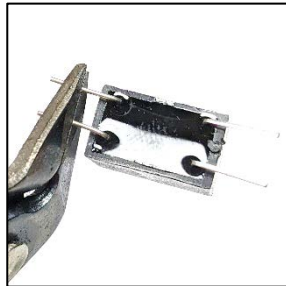
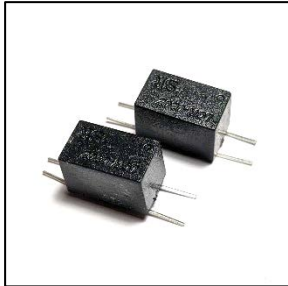
¹ The build is easy and the parts are common. The trickiest part is soldering the optocouplers flat on the board, this justifies the 2/5-stars rating.

² <https://www.youtube.com/watch?v=VxMV6wGS3NY>

optocouplers

Straighten them as shown in the pictures and then cut the leads in half.

Proceed soldering the optocouplers on the back of the board matching the dot on top of them with the thick white line on the PCB.



2 U5, U6	LCR-0202
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now flip the module

momentary switch, faders, jack sockets

Place the momentary switch, the two faders and the jack sockets in place.

Check if they are aligned with the board and then proceed soldering them.

1 SW1	SW_push12mm
2 RV1, RV2	10k_bourns
6 J2, J4, J5, J6, J7, J8	PJ301BM



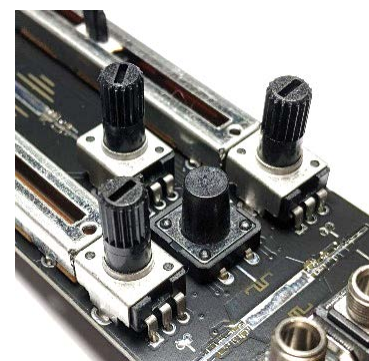
potentiometers

Place the 3 potentiometers matching the holes on the PCB.

To make sure that they are aligned with the board, solder at first just one of the pins.

Then be sure that the body of the potentiometer is aligned with the PCB and proceed soldering.

3 RV3, RV4, RV5	10k_alpha
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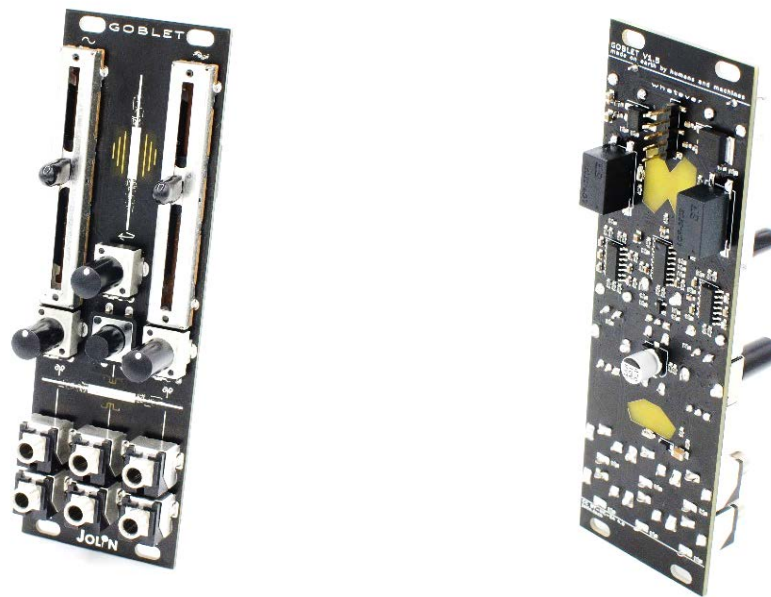


caps and knobs

Fit the two caps on the faders and the three knobs on the potentiometers shaft.



check if everything is in place and properly soldered.



done! enjoy your new
GOBLET

find us:

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build group ⇒ [JolinLab - STUFF](#)

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