

Ø ANTUMBRA

KNOT

NOTES

PCB V1.0

01. ABOUT

KNOT is a redesign of the now discontinued Mutable Instruments Braids module designed by Olivier Gillet.

The module was only resized, but the schematic stayed the same, so all the original functions and controls work like on the original. This means that the original firmware and alternative firmwares can be used with it without modifications.

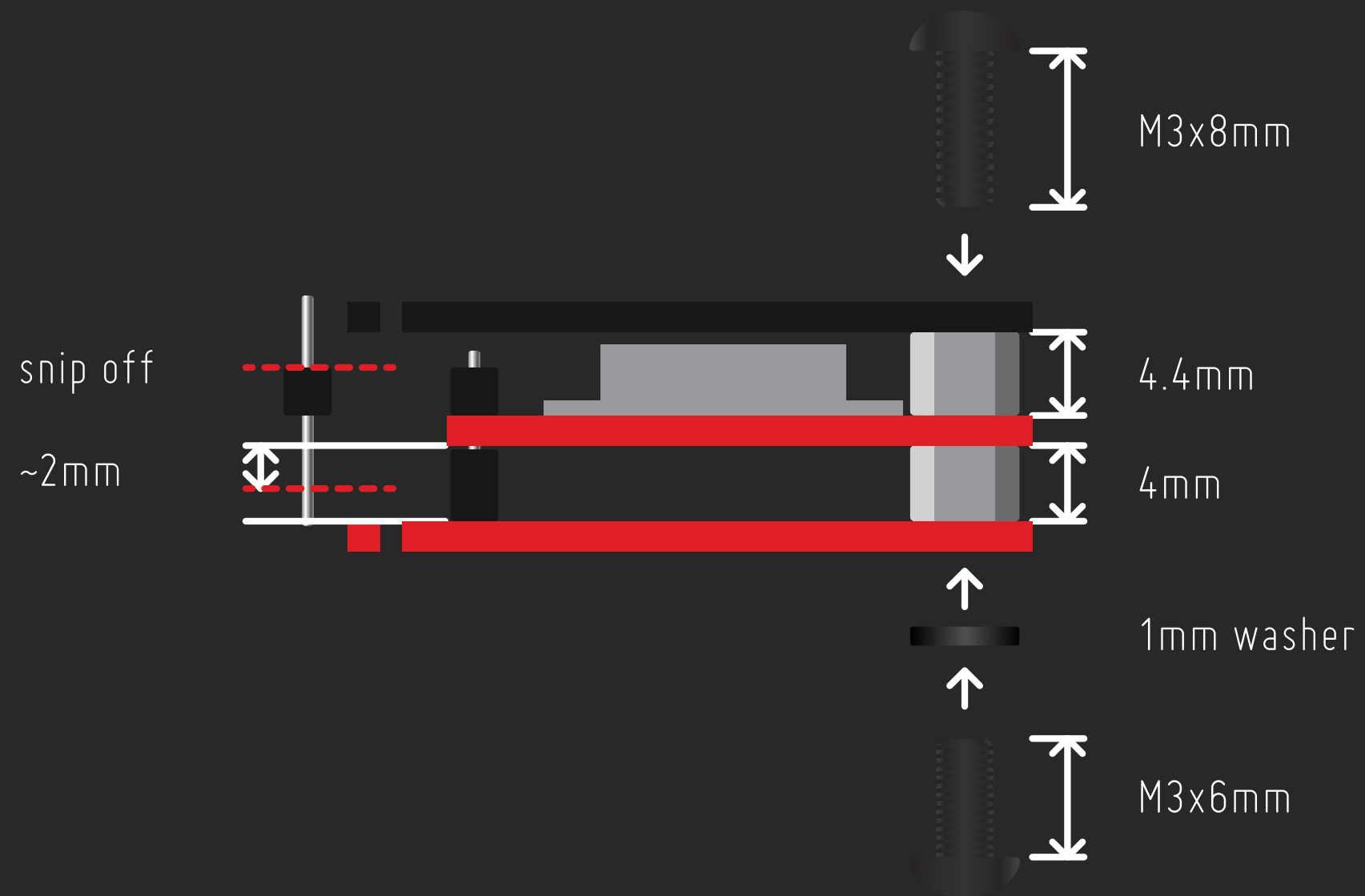
Note that due to the redesign some parts in the BOM changed.

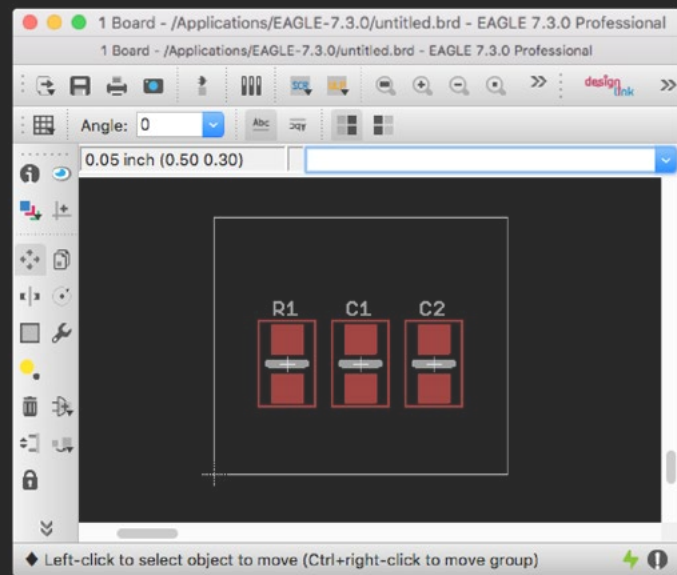
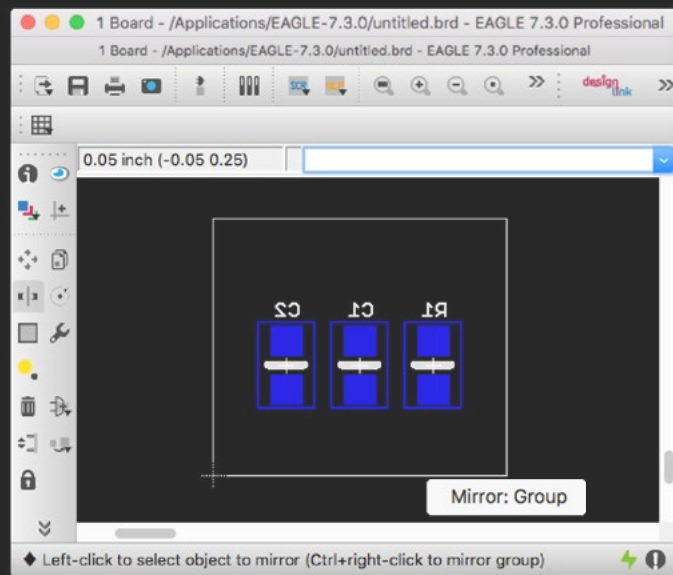
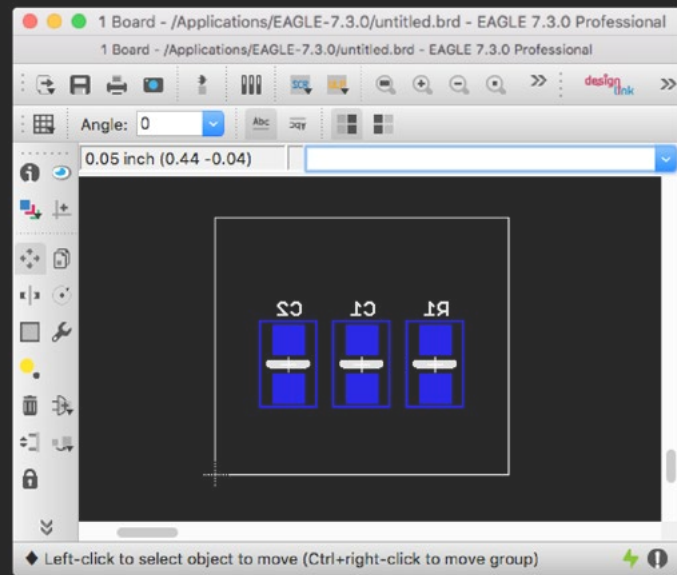
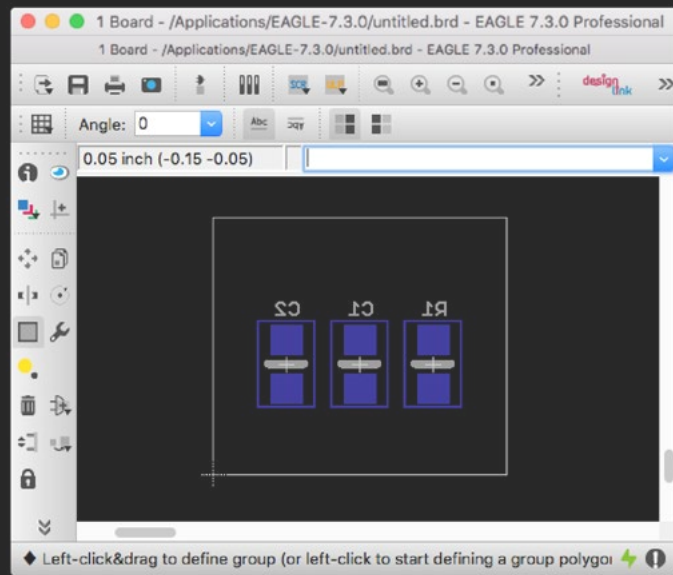
02. BUILD NOTES

About the build the only tricky part is the screen:

You have to solder the pin header so that the longer pins are soldered from the bottom side, then you have to snip off the ends as shown in the picture to the left so that they fit in the female header.

This picture is the PCB from the right side.





03. BUILD TIPS

The easiest way to build this module is to get EAGLE CAD for your computer (you can open EAGLE files with the free version).

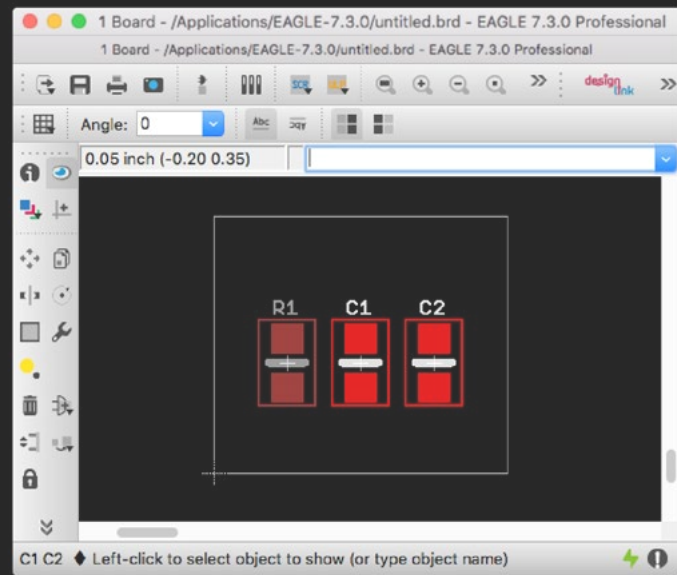
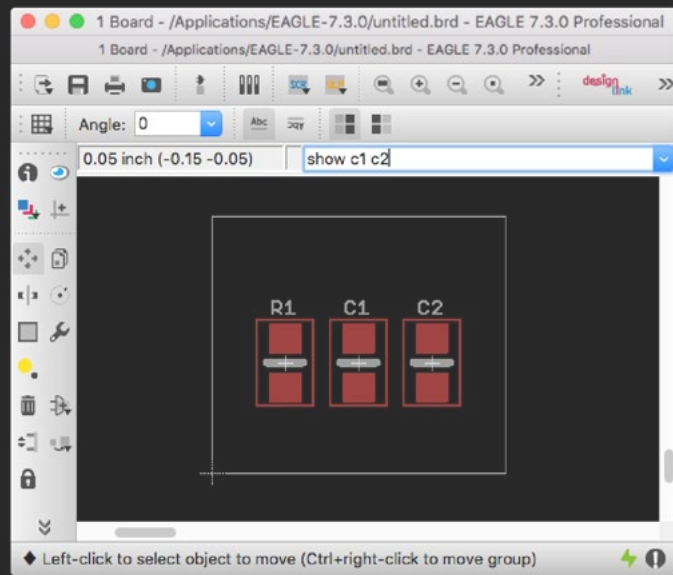
Open the .brd board file for the module.

Red is the top layer, blue is the bottom. So if you see blue SMD pads it's easier to just flip the whole board so that you won't get confused by the mirroring.

To do this:

- Select the group tool
- Select the whole board
- Select the mirror tool
- Right click next to the board
- Select Mirror: Group

Now what was red should be blue and vice versa.



03. BUILD TIPS

Now copy the part value(s) that you want to place from the BOM and type in the field above the viewer:

show [part number(s)]

eg.: show C1 C2

Now you have the parts that you wanted to place highlighted.



KNOT is based on the Mutable Instruments Braids module designed by Olivier Gillet.

Redesigned by David Szebenyi under Antumbra.

www.antumbra.eu

Manual by David Szebenyi (www.aman.hu)

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