- 8HP Eurorack Module
- Designed in E.U.

Shakmat Battering Ram Building Guide

Thank You for purchasing a Shakmat DIY Kit!

We spare no effort in our packaging process to prevent any mistakes or missing parts. In this document as well, we tried our best to describe the assembly process in the most practical and comprehensive way. Therefore, we strongly advised you to follow the steps as described in this guide.

If by any misfortune, there is a missing or damaged part in your kit, please contact us at shakmat.com/support.

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Content

Pack 1

- 3x 14 pin female headers
- 3x 14 pin male headers
- 1x 2x8 pin power header
- 1x Tactile switch
- 4x Metal potentimeters
- 1x Plastic potentimeter
- 8x Jack mono

Pack 2

- 3x Green LEDs
- 4x Amber LED push buttons
- 1x White LED push button
- 1x Green LED push button
- 1x Green/Red LED push button
- 8x Jack nuts
- 4x Metal potentiometer nuts
- 2x M3 metal screws
- 1x Tactile switch cap

Pack 3

- 1x Top PCB
- 1x Bottom PCB
- 1x Front panel

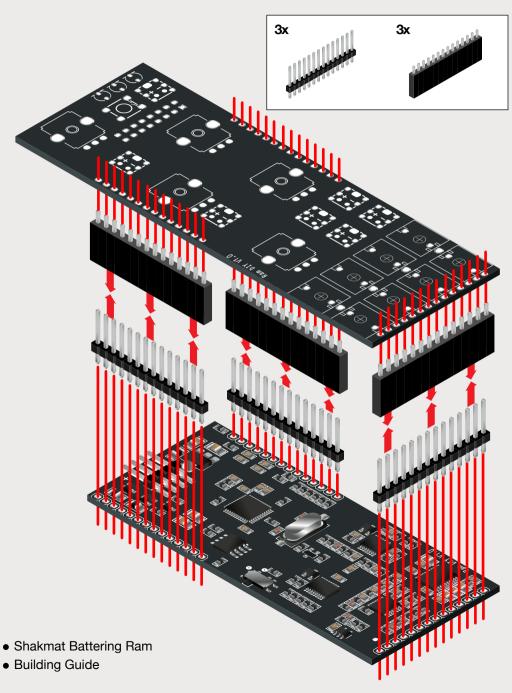
Loose parts

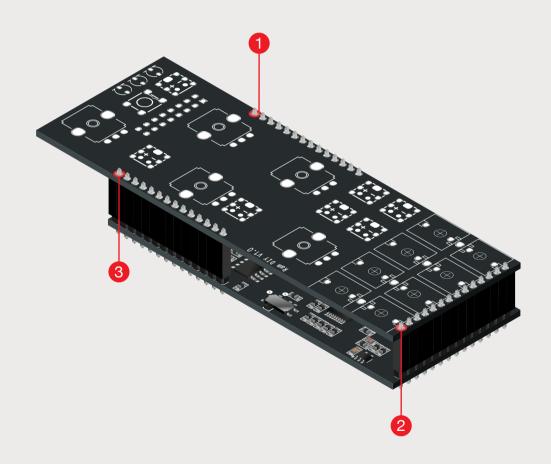
- 1x 16x16 power cable
- 4x Potentiometer caps
- 1x User manual

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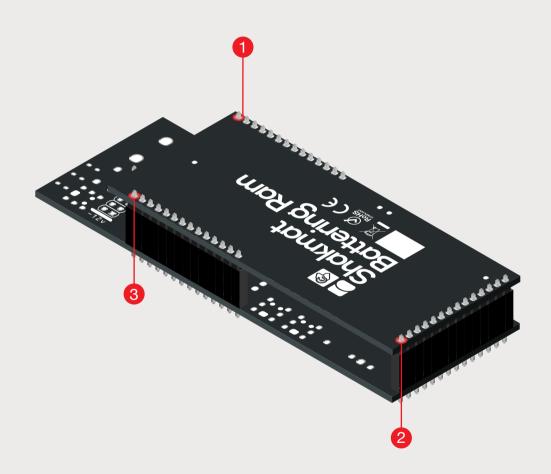
Assemble three pairs of headers with the two PCBs



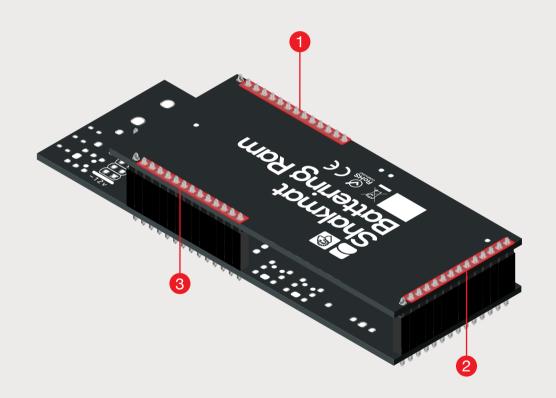




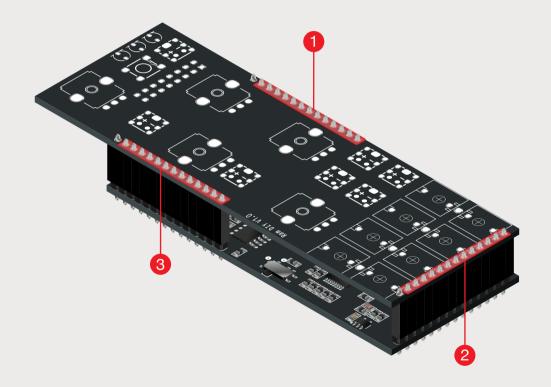
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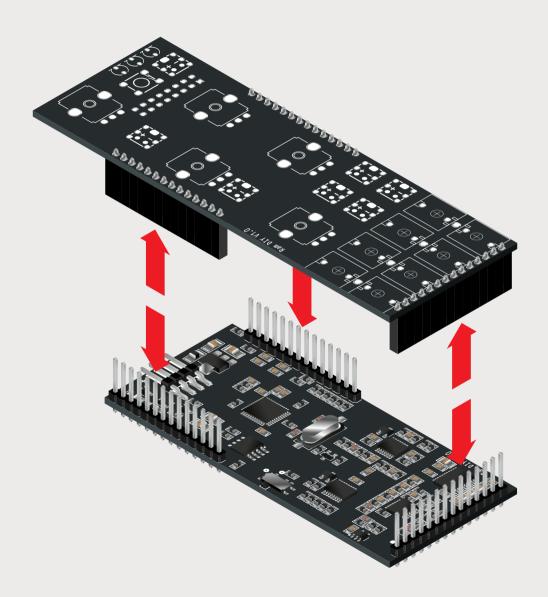
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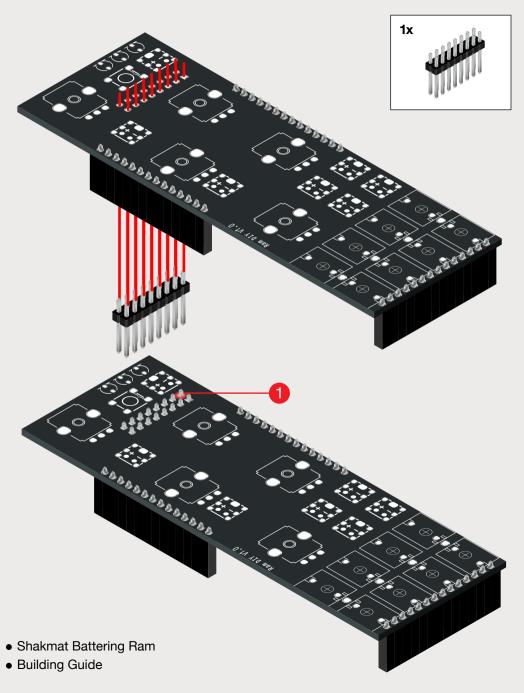
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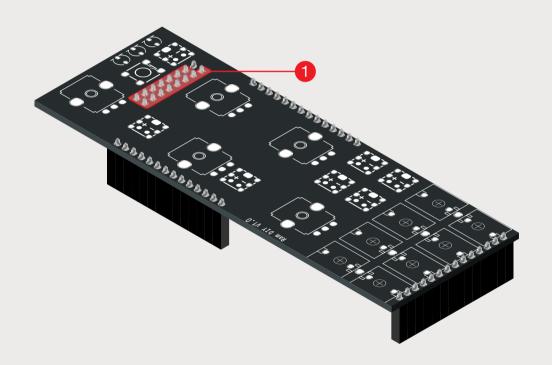
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Place the power header Solder one point



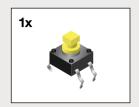


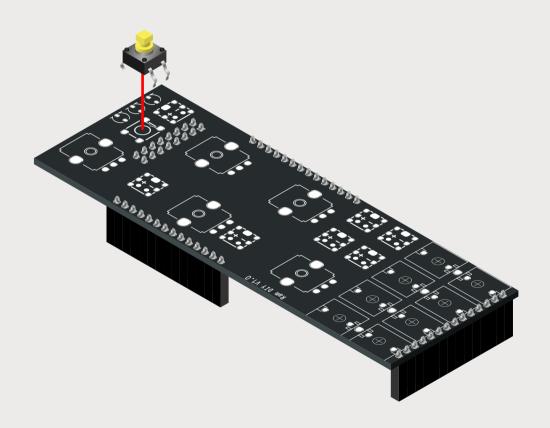
Chech header & PCB parralelism Solder remaining points



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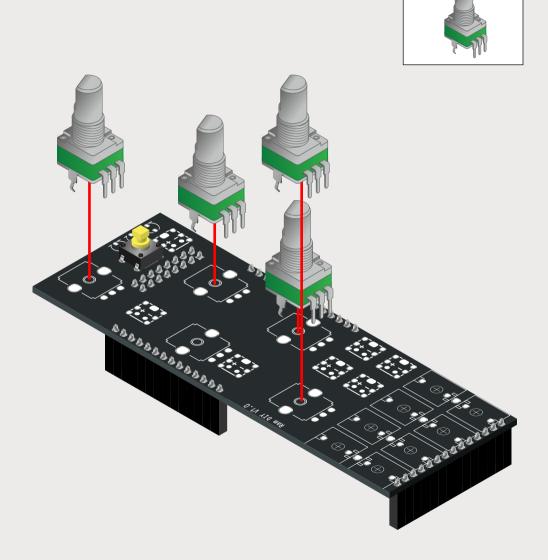
Place the tacticle switch Do not solder yet





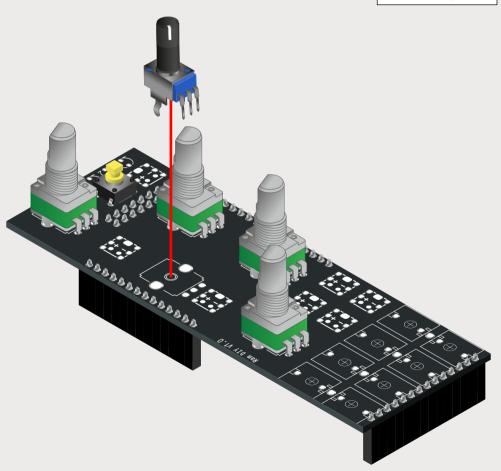
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4x

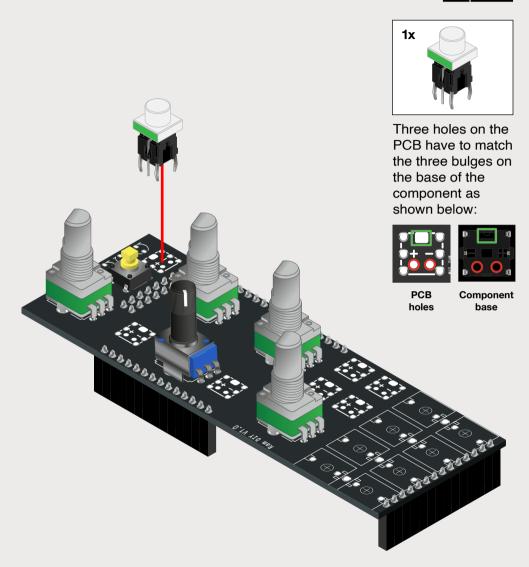


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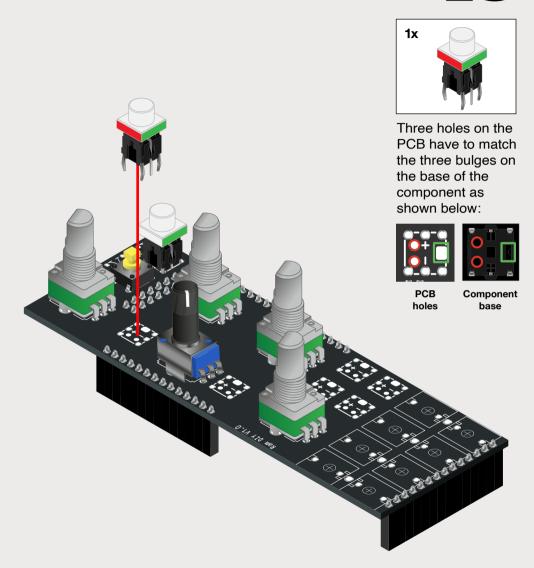




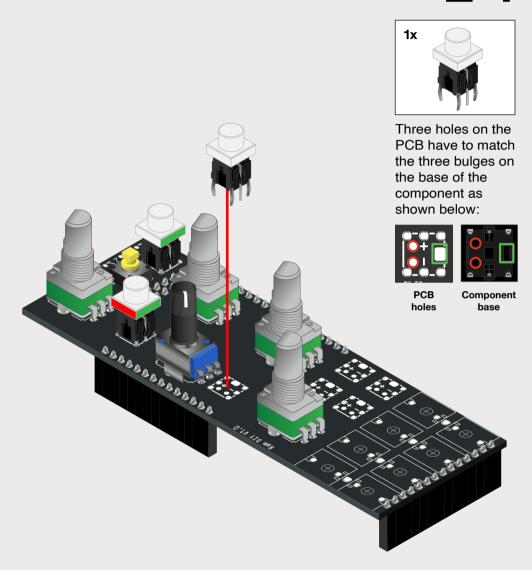
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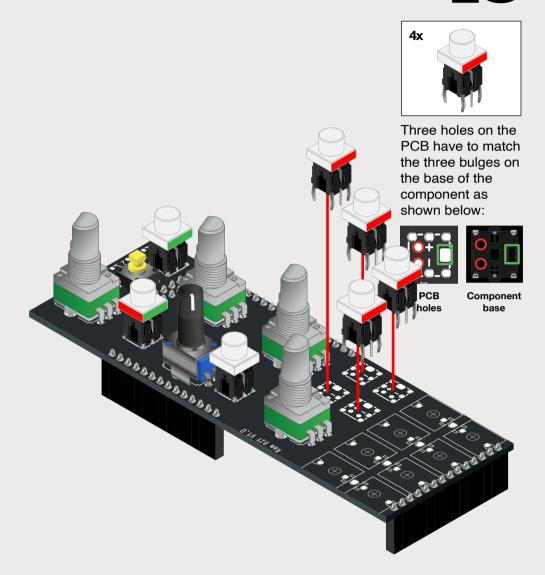
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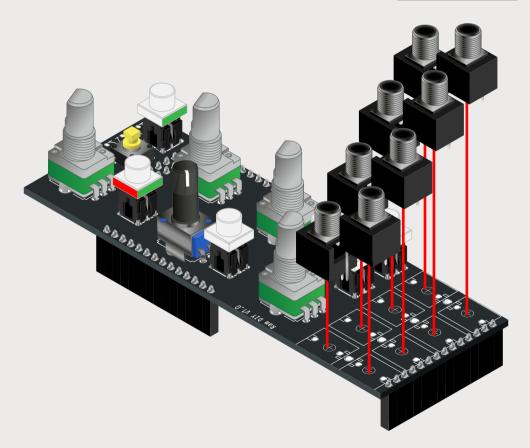


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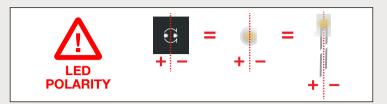


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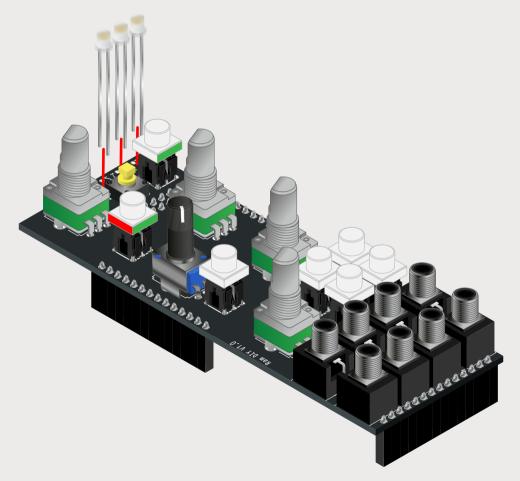




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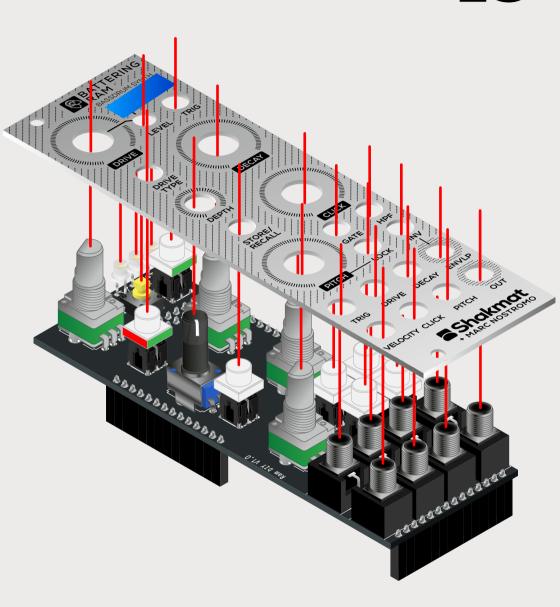


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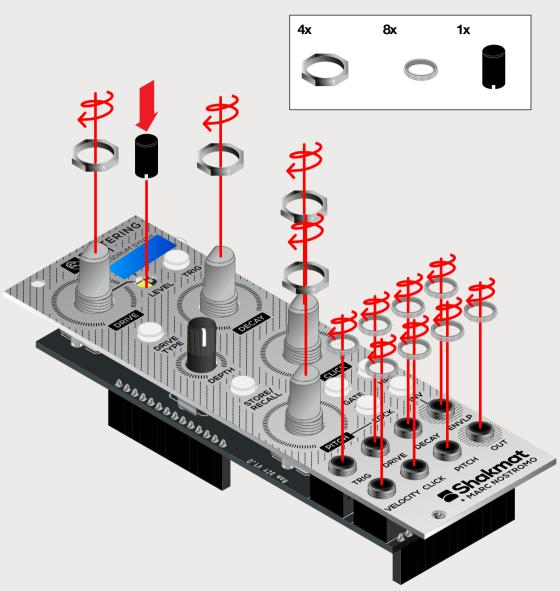


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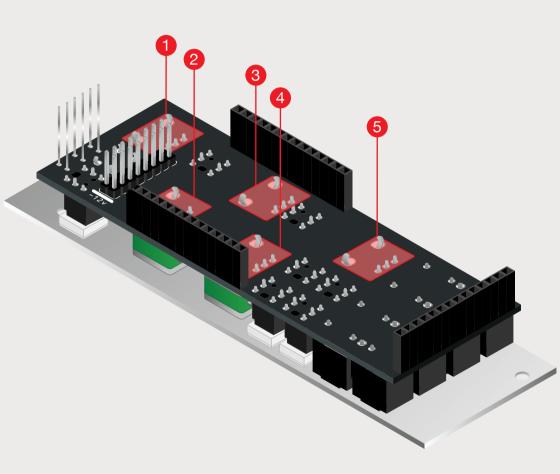


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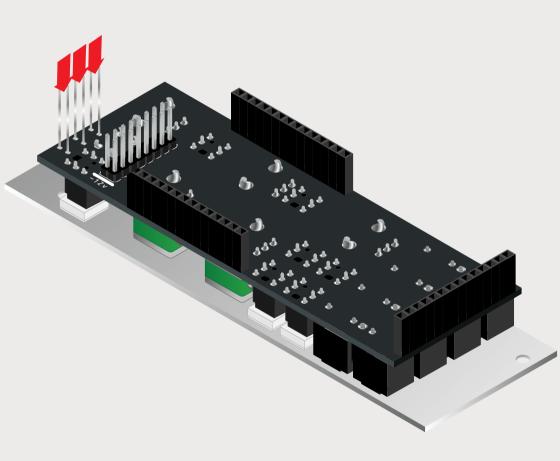




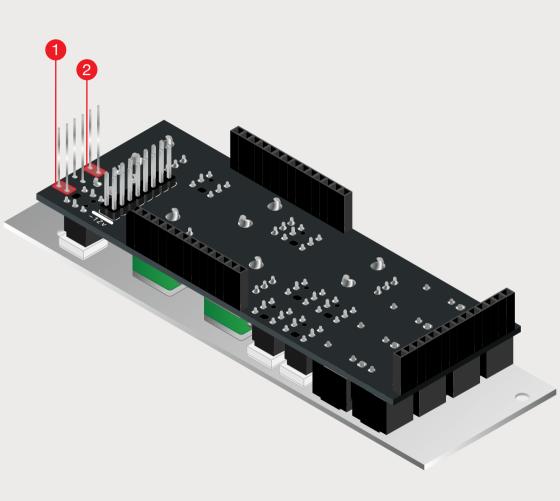
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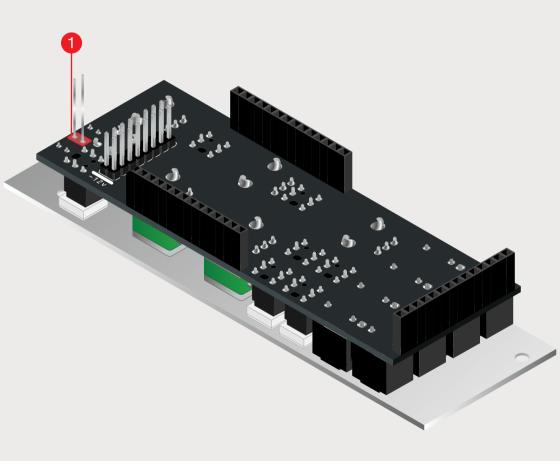
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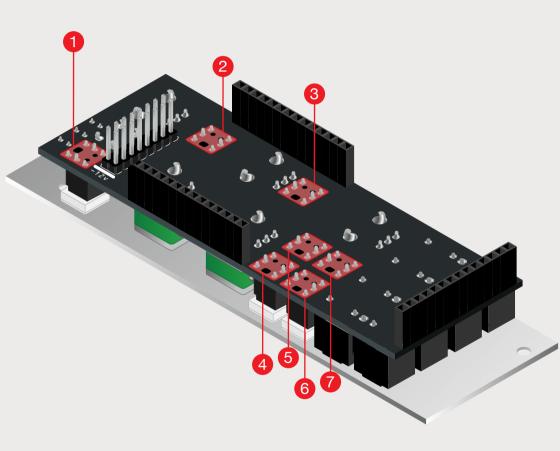
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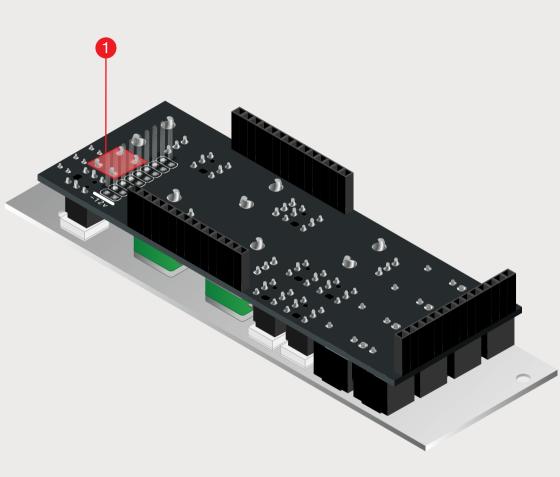
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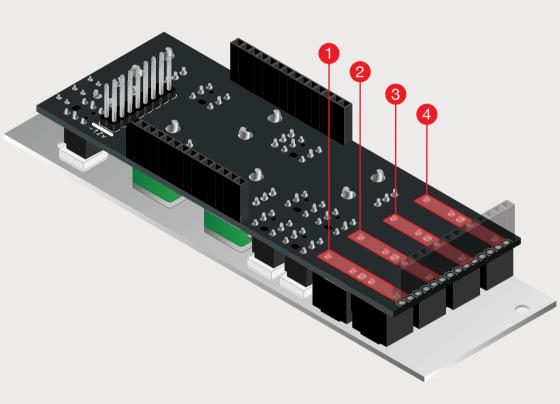
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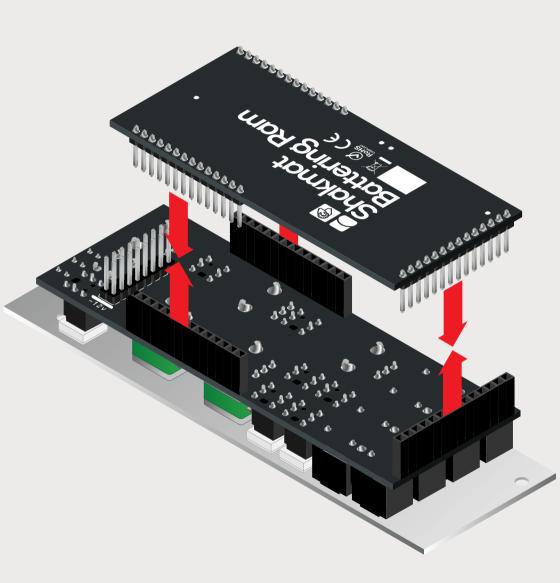
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FIRST START-UP ROUTINE

This routine erases all EEPROM, then goes to calibration

Power up the module

- Wait until all 4 amber LED push buttons are lit
- Power down the module and wait for 2 seconds

Power up the module again

- Wait until Lock & Inv LED push buttons are lit
- Press the Inv LED push buttons to enter calibration procedure
- Wait until Gate LED push buttons is blinking
- Make sure no patch cable is inserted
- Press Gate LED push button to launch the 0v calibration
- Wait until HPF LED push button is blinking
- Insert 2v into Pitch CV input and press HPF LED push button
- Wait until HPF LED push button blinks again
- Insert 4v into Pitch CV input and press HPF LED push button
- Wait until Lock LED push button is blinking
- Patch the Decay CV input to Envelope CV input
- Press the Lock LED push button
- Wait until the process is complete

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