

Falafular Batterizer Brainboard 0.3 BOM

Chippy side

resistors:
12 x pd * 0805 size

capacitors:
1 x bp ** 0805 size

ics:
1 x lm358
1 x cd4052bm
1 x cd4089b
1 x cd4012bm
2 x hef4013bt buy Philips or NXP, trust me
1 x lm324

Mic.:
4 x 2 pin single row header male
1 x 7 pin single row header male

Headery side

resistors:
1 x 15k 1206 size (can be 10k also, 0805 fits too)
5 x pd * 0805 size
1 x 10 ohm through hole, can also be a ferrite bead

capacitors:
6 x bp 0805 size
1 x 10uF electrolythic, 25V or more

Misc.:
10 pin "eurorack power" header ***
2 x 2 pin single row header male ***

* pd = pulldown resistor, anything from 10k to 100k will do

** bp = bypass capacitor, anything between 10n and 100n will do

*** when building the single channel version, this is required. See build documents