Falafular Spaeterneisa BOM

Panelcomponenboard 1.1

Rear side			*Front side*		
resistors:			resistors:		
7 x pd *	0805 size		5 x rL *****	0805 size	
1 x rX **	0805 size				
1 x rY ***	0805 size		capacitors:		
			1 x 10n ****	0805 size	
capacitors:					
4 x 10n****	0805 size		semiconductors:		
			4 x bc847	SOT-23	
semiconductors:			5 x LED	3mm THT	
2 x bc847	SOT-23				
11 x L4148	mini MELF		miscellaneous:		
			5 x tact switch 13mm high		
miscellaneous:			7x kobiconn 16pj138 or Thonkiconn		
1 x 7 pin single row header, female					
4 x 2 pin single row header, female					

* pd = pulldown resistor, anything from 10k to 100k will do
** rX = output impedance, 1K k is good for me
*** rY = pulldown/ output voltage divider 100k, lower if the output voltage is too hot
**** switch debouncing, anything between 10n and 100n will do
***** rL = LED current limiting resistor, choose a nice value, don't burn your eyes

In earlier versions of this board you may find a 100n mark at the top without a
component footprint, ignore this
Also in V1.0 there is an unmarked resistor at the top, this is a pulldown resistor

Falafular Patternizer Brainboard 1.0

Chippy side		*Headery side*	
resistors:		resistors:	
12 x pd *	0805 size	1 x 15k	1206 size (can be 10k also, 0805 fits too)
		5 x pd *	0805 size
capacitors:		1 x 10 ohm	through hole, can also be a ferrite bead
1 x bp **	0805 size		
		capacitors:	
Ics:		6 x bp	0805 size
1 x lm358		1 x 10uF	electrolythic, 25V or more
1 x cd4052bm			
1 x cd4089b		Misc.:	
1 x cd4012bm		10 pin "eurorack power" header ***	
2 x hef4013bt	buy Philips or NXP, tru	2 x 2 pin single row header male ***	
1 x lm324			

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

Ignore the "In" and "Out" connection headers, they were a bad idea...