

## Sheet1

### Corny Rhythm 1.1 BOM

#### Side A

part	x?	package/ stuff
TL074	x1	soic14
MAXIM7221	x1	SO-24W
LM358	x1	soic8
Schotky diode	x2	Melf DO-213 AB
L4148	x3	Melf DO-213 AA
BC547	x9	SOT-23
LED 3mm	x9	THT
Bubble Display	x1	<a href="https://www.sparkfun.com/products/12710">https://www.sparkfun.com/products/12710</a>
100k/pd*	x16	0805 size
1k	x10	0805 size
10k	x10	0805 size
20k	x2	0805 size
56k**	x1	0805 size
rL***	x9	0805 size
Bp/100n***	x6	0805 size
22n0n	x1	0805 size
10uF electro****	x1	THT radial
Arduino Nano (clone)	x1	

#### Flipside

kobiconn		
16PJ138		<a href="http://www.mouser.com/ds/2/449/KC-300411-202203.pdf">http://www.mouser.com/ds/2/449/KC-300411-202203.pdf</a>
or these...	x13	<a href="http://www.tme.eu/en/details/fc6812/jack-connectors/cliff/fc6812-jyo-35/">http://www.tme.eu/en/details/fc6812/jack-connectors/cliff/fc6812-jyo-35/</a>
100k linear potentiometer		
9mm plastic shaft	x1	
100k linear potentiometer 9mm	x1	
E-switch 320.02e11.08	x2	<a href="http://www.digikey.nl/product-search/en?vendor=0&amp;keywords=320.02E11.08">http://www.digikey.nl/product-search/en?vendor=0&amp;keywords=320.02E11.08</a>
6x6x17mm tact switch	x3	<a href="http://www.ebay.com/itm/100-Pcs-6-x-6mm-x-17mm-PCB-Momentary-Tactil">http://www.ebay.com/itm/100-Pcs-6-x-6mm-x-17mm-PCB-Momentary-Tactil</a>
10mm standoff	x1	better get some appropriate screws with this one, the holes for them are 3mm diameter. Maybe get a few washers so stuff looks neat too.

\*100k/pd: pulldown resistors can be anything from 10k to 100k. If marked as 100k, just use 100k okay?

\*\*56k: This sets the brightness of the display, in case you want to do something there.

\*\*\*rL: these are the current limiting resistors for the 3mm LEDs, choose the value wisely or be blinded

\*\*\*\*10uF electro: Don't solder this in standing up because the Tumbadora board needs to be mounted.

in fact, better put this thing on the flipside, there is much more room for it there. Bend it down so it doesn't touch the frontpanel yeah?

**DON'T FORGET THIS MODULE ALSO NEEDS A FALAFULAR TUMBADORA VOICEBOARD TO WORK**

HAVE FUN!

[e-Tact-Push-Button-Switch-4-Pin-DIP-/230914918336?ssPageName=ADME:L:OU:NL:3160](#)