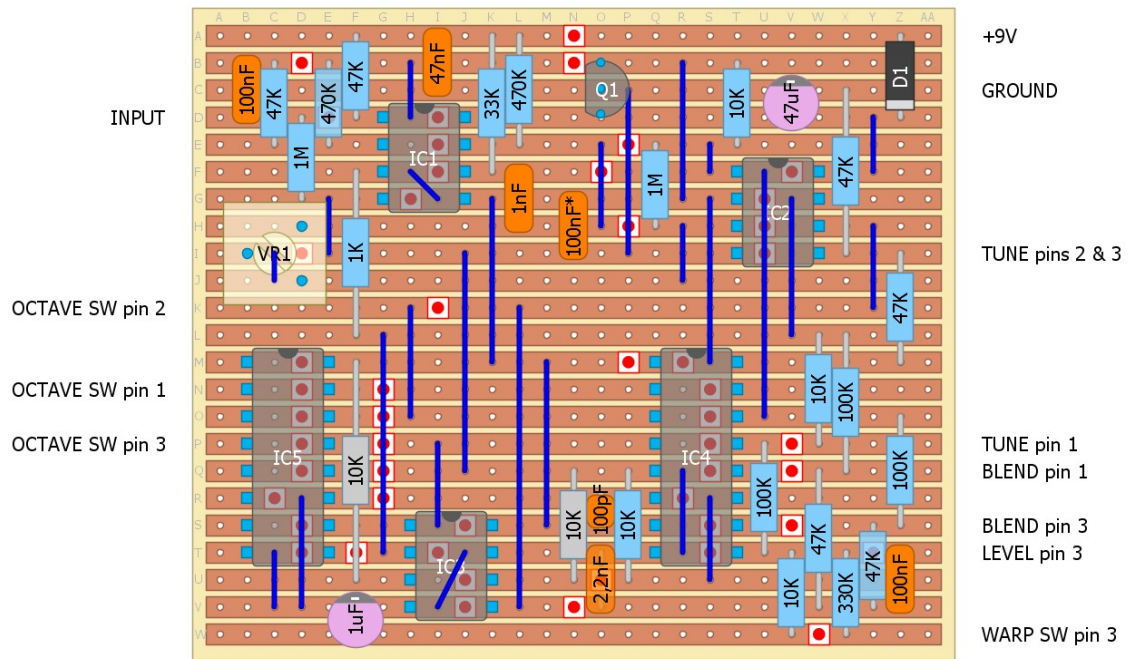


LIBERATION FREQUENCY FUZZ

www.parasitstudio.se

Verified

Fuzz / Guitar Synth with a tracking oscillator that can be tuned -
from one octave down to one octave up and anywhere in between



* multilayer ceramic capacitor

The circuit is designed for AD5220 digital pot IC. The 100K (BNZ100) version specificall
Any IC value can be used, but the two grey resistors needs to be scaled accordingly

VR1 (GATE) - 100K trimpot
TUNE - B100K POTENTIOMETER
BLEND - B50K POTENTIOMETER
LEVEL - A100K POTENTIOMETER

IC1 - TL072
IC2 - LM393
IC3 - AD5220 BNZ100
IC4 - CD4046
IC5 - CD4040

IC VALUE	RESISTORS
100K	10K
50K	4.7K
20K	2.2K
10K	1K

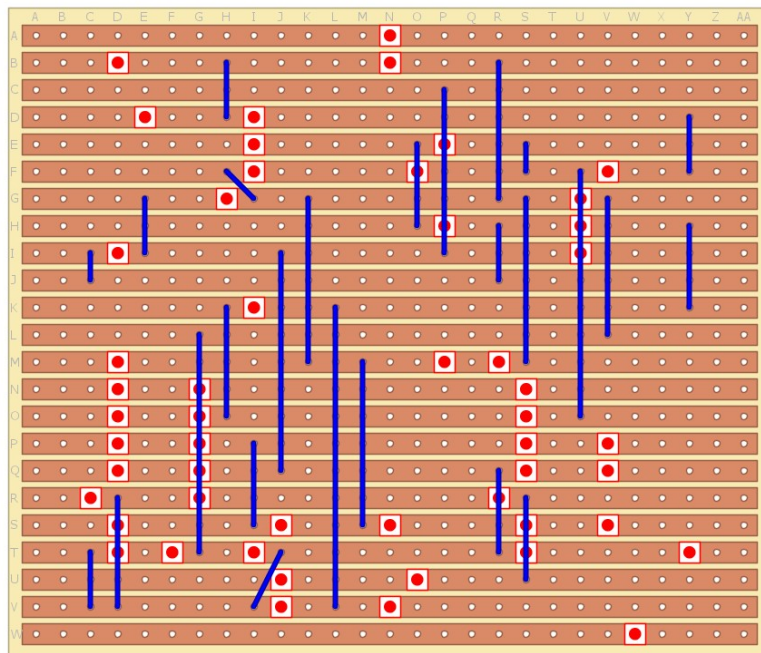
OCTAVE - SPST on/on SWITCH
WARP - SPST on/on SWITCH

Q1 - 78L05
D1 - 1N5817

The AD5220 can also be substituted for the DS1804 digital potentiometer IC
The DS1804 has a lower resolution, so it has a slightly more noticable stepped tuning
Both works fine. :)

WARP SWITCH pin 2 to GROUND
BLEND pin 2 to GROUND
LEVEL pin 1 to GROUND
LEVEL pin 2 to OUTPUT

27 wide, 23 tall, 52 cuts, 26 links



Mirror this image if you cut the traces on the copper side (I usually drill straight through).