

HEXINVERTER.NET

presents

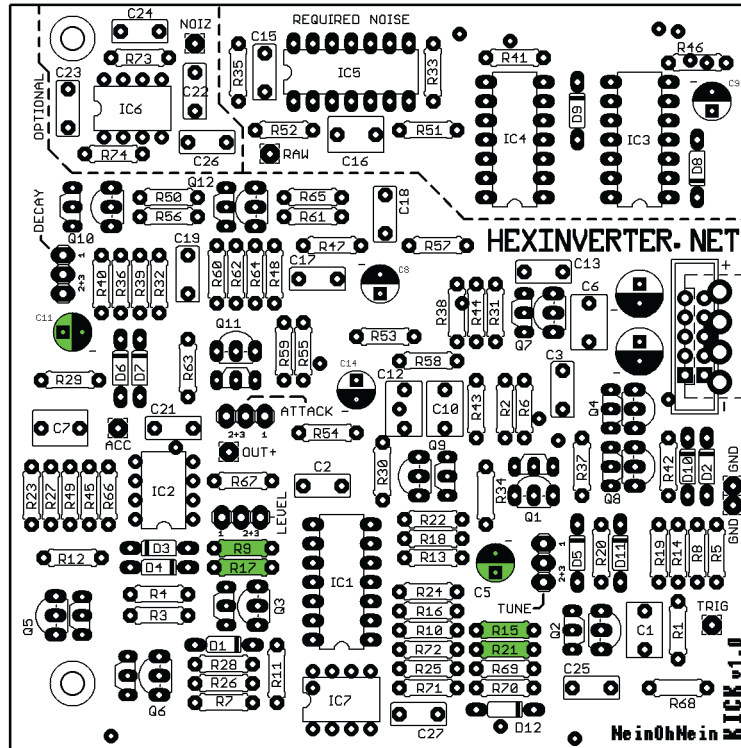
NEINOHNEIN KICK v1.0

MODIFICATION GUIDE

Introduction

This short but sweet guide serves as an accompaniment to the main build guide for the NeinOhNein KICK PCB offered by hexinverter.net -- it shows you how to wire the modifications discussed over in the other guide.

For your convenience, here are the modifications again. Following these written explanations is a diagram showing how to wire in the mods.



Pitch Mod

This modification is extremely useful, and allows you to change the pitch of the drum. I highly recommend it:

REPLACE R17 WITH A 47K POT AND 4.7K RESISTOR IN SERIES WITH THE POT

Extended Decay

This mod extends the decay control so you have much more control over the decay length:

REPLACE C11 WITH A 1.5uF. The value is not too critical. Anything around 1 to 2uF should give good results!

Extended Tune

This mod extends the tune control so you have much more control over the pitch-sweep envelope that makes that “Oooonnnn” sound we all love:

REPLACE C5 WITH A 1.5uF. The value is not too critical. Anything around 1 to 2uF should give good results!

ALSO REPLACE R15 WITH 470R, AND R21 WITH 4.7K

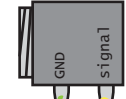
Overdrive

You can oversaturate the diode sine waveshapers by driving more of the signal into them. This level can be varied with a pot, so:

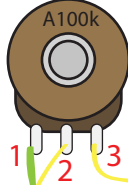
REPLACE R9 WITH A 10K POT AND 1K RESISTOR IN SERIES WITH THE POT.

(Wiring diagram on following page)

Noise Out



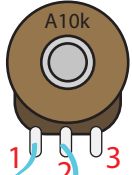
Noise Output Level



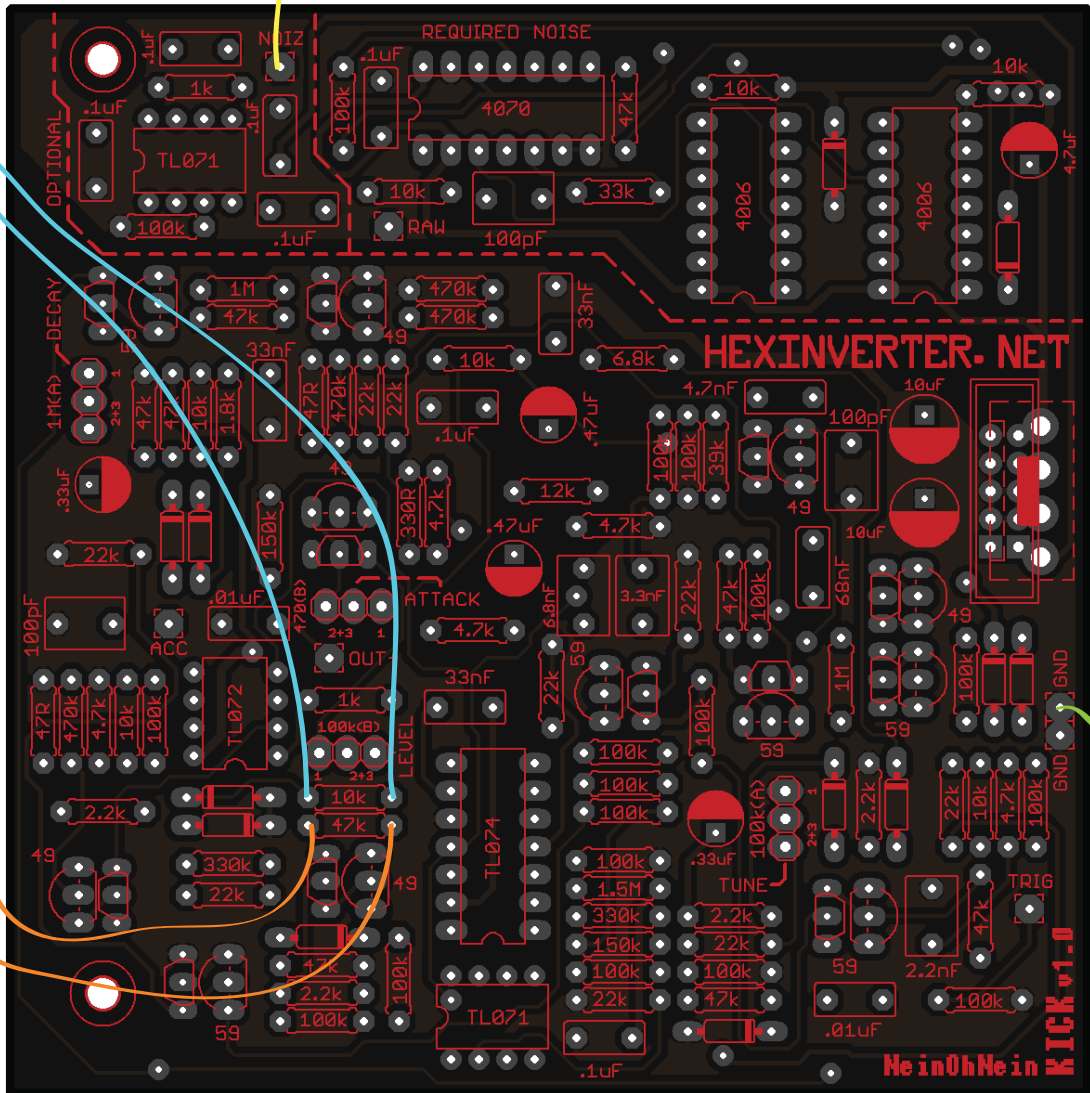
Wiring Diagram

(potentiometers viewed from front)

Overdrive



Pitch



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