

An effect which produces half the input frequency without any PLL or DSP.  
This effect works well for sinewave, for other waveforms, expect high distortion.

Petr Polasek

Sheet: /

File: guitar\_down\_octave.sch

Title: Octave down guitar effect

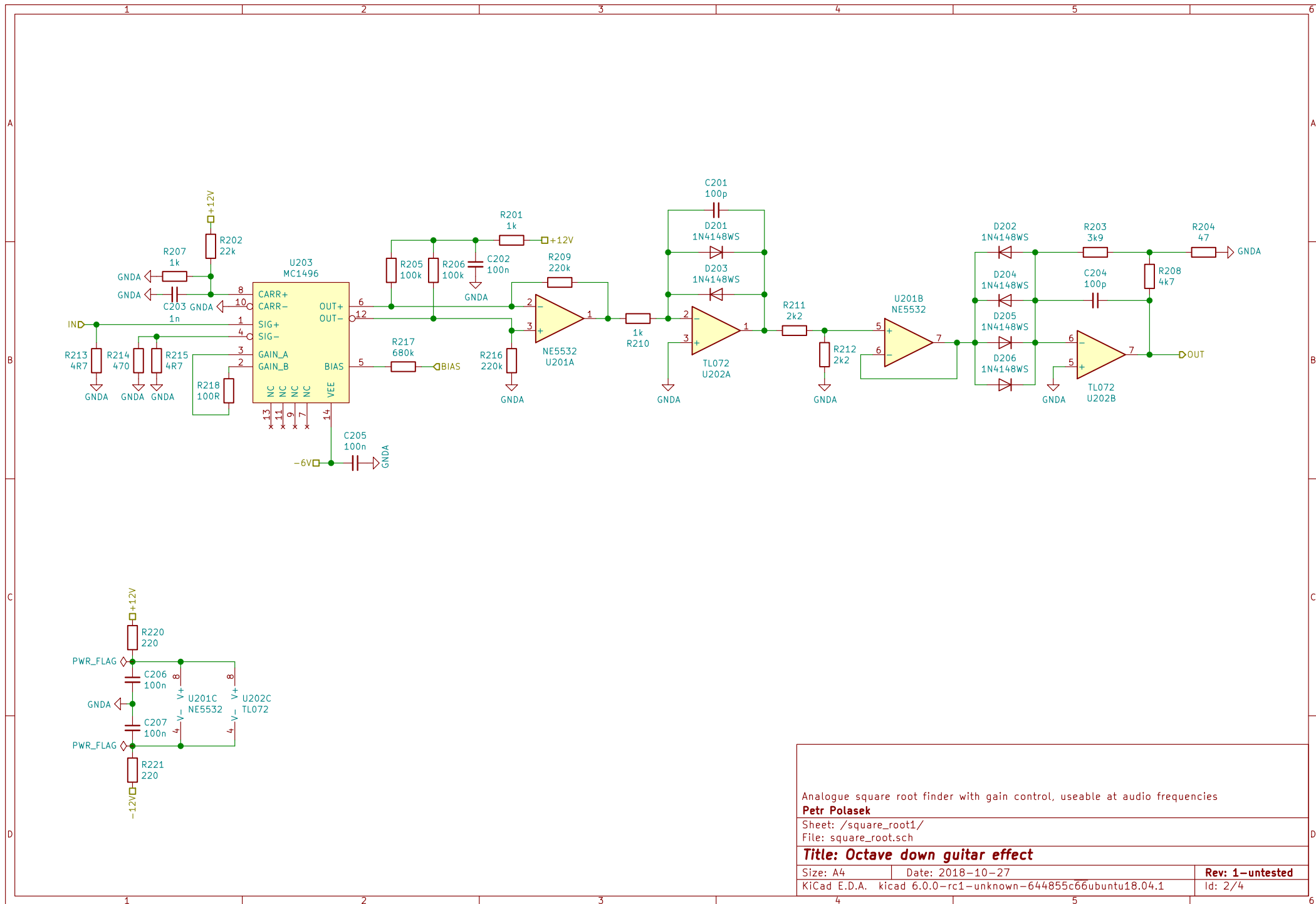
Size: A3

Date: 2018-10-27

Rev: 1-untested

KiCad E.D.A. kicad 6.0.0-rc1-unknown-644855c66ubuntu18.04.1

Id: 1/4

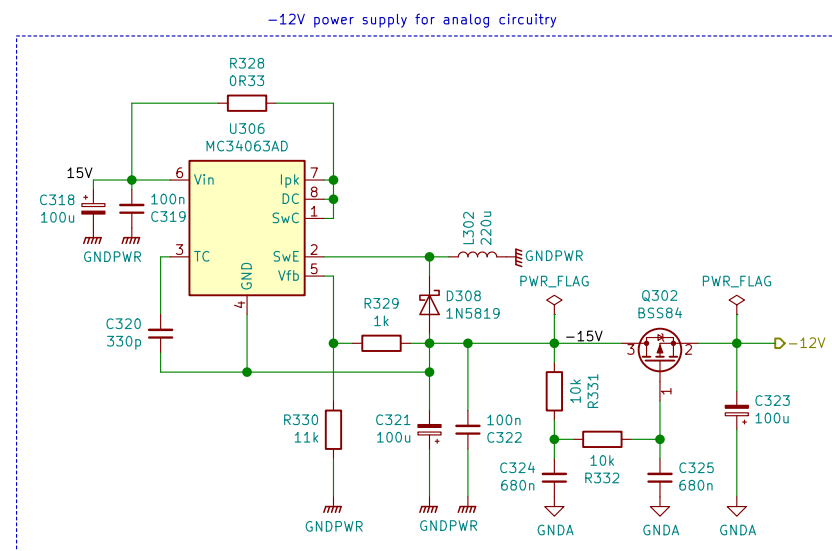
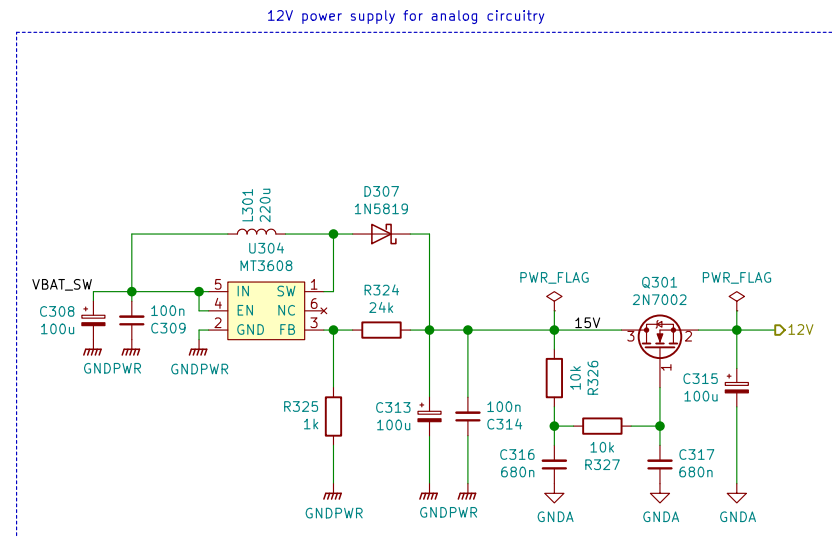
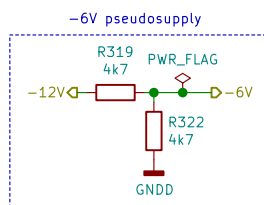
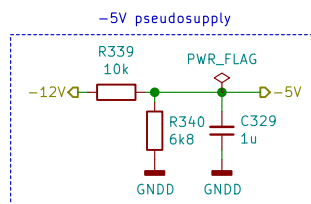
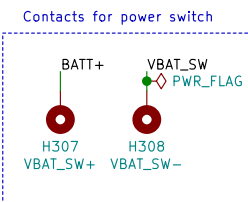
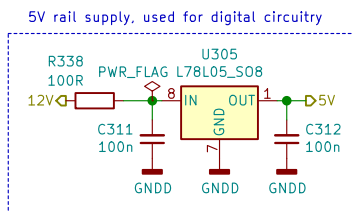
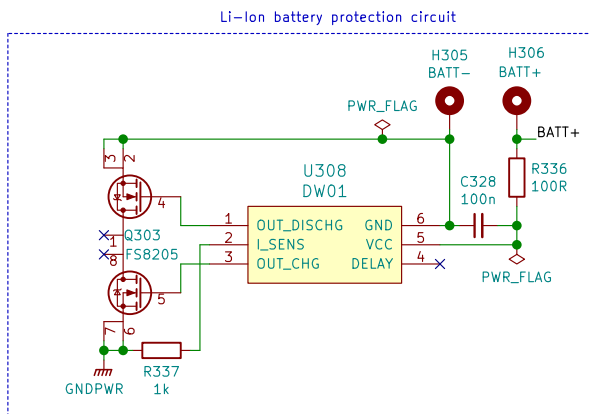
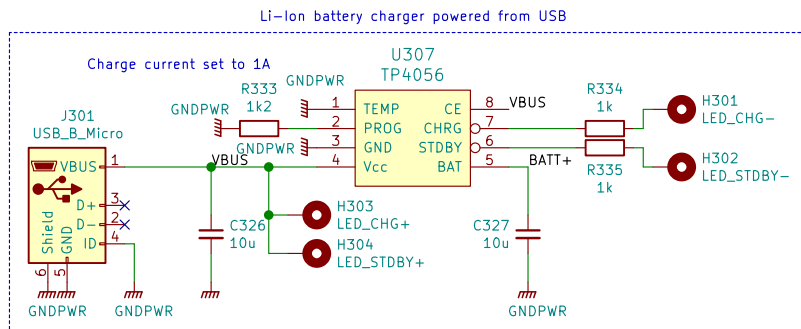


Analogue square root finder with gain control, useable at audio frequencies  
**Petr Polasek**

Sheet: /square\_root1/  
File: square\_root.sch

**Title: Octave down guitar effect**

Size: A4	Date: 2018-10-27	Rev: 1-untested
KiCad E.D.A. kicad 6.0.0-rc1-unknown-644855c66ubuntu18.04.1	Id: 2/4	



Power supplies and battery management

Petr Polasek

Sheet: /supply/

File: supply.sch

Title: Octave down guitar effect

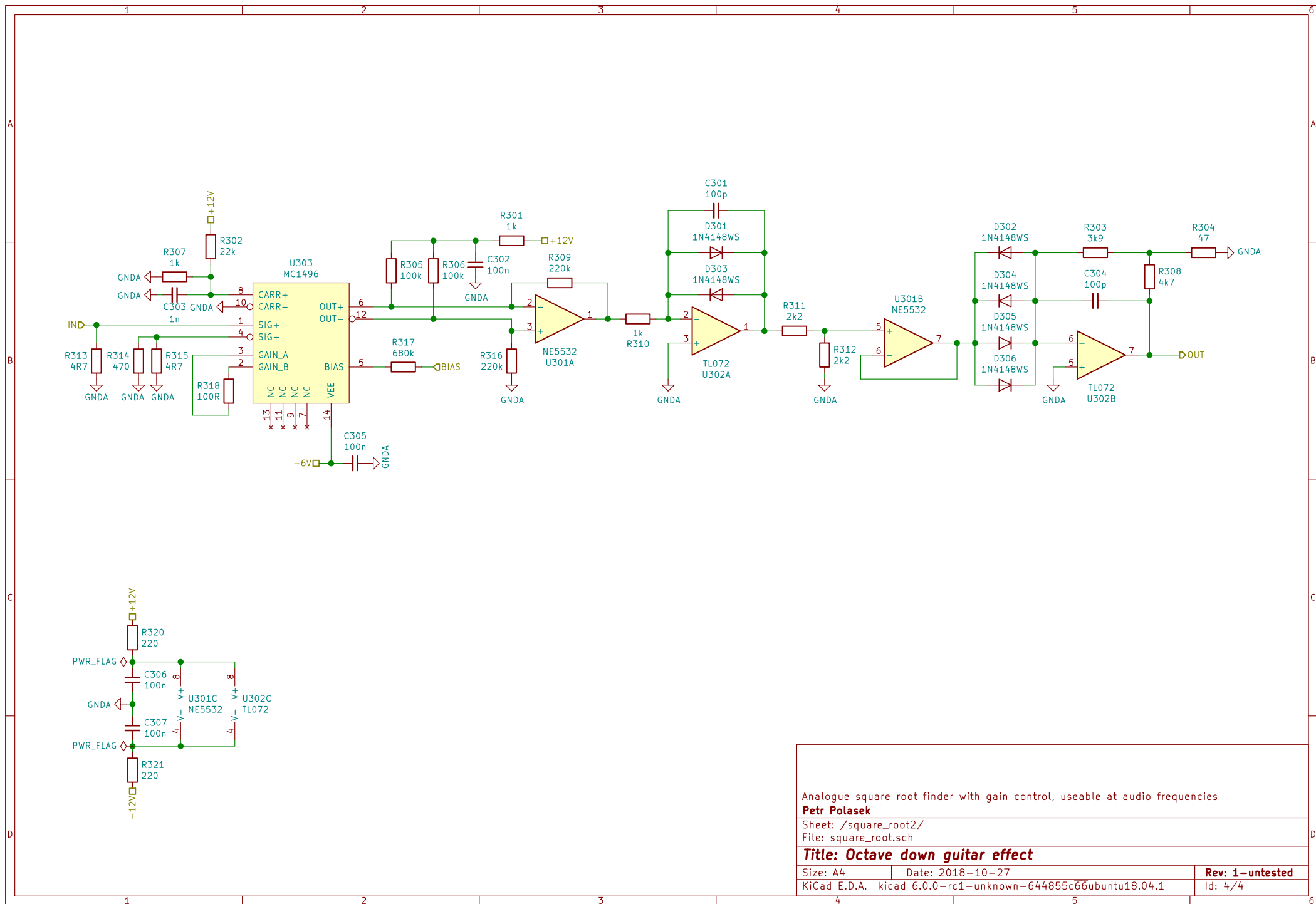
Size: A4

Date: 2018-10-27

Rev: 1-untested

KiCad E.D.A. kicad 6.0.0-rc1-unknown-644855c66ubuntu18.04.1

Id: 3/4



Analogue square root finder with gain control, useable at audio frequencies  
**Petr Polasek**

Sheet: /square\_root2/  
 File: square\_root.sch

**Title: Octave down guitar effect**

Size: A4	Date: 2018-10-27	Rev: 1-untested
KiCad E.D.A. kicad 6.0.0-rc1-unknown-644855c66ubuntu18.04.1		Id: 4/4