



INFO

BACKYARD BRAINS
NEUROSCIENCE FOR EVERYONE!

Release notes:

- 4 Filtering Stages: 2 HPF 2 LPF
- Notch Filter @ 60Hz
- Input referenced to ground
- Main vcc/2 with individual buffers
- Smartphone Output buffers
- 3.2W Speaker output amplifier
- 3 Ground Plains: Analog, Digital and USB

- MSP430H5522 Microprocessor
- Expandable Interface
- Individual power supply for each stage
- Power supply with electronic interaction(on/off)
- Supercap 1.5mF on TPA6211a1 regulator
- Input resistor on digital I/Os allowing 5v input
- 10s pull down resistor
- RGB LED with Status indicator
- Circuit isolated from USB computer with Adum 4168

REV 1

- Added Micro Speaker Holder
- Adjusted Resistor 100 Ohm on Expansion Port
- Replaced Diode Bridge with 1A current
- Updated USB Land PAD

Neuron SPIKERBOX PRO

*** U1 - May 2017 ***

REV1 FEB 2019