

EMG SpikerShield Board

(your board color may be different)

Note: many sections are left unpopulated for your own custom mods!

C8= 560 μ F
(561 label)

C7= 0.47 μ F
(474 label)

One 3 pin
male header
with jumper

R15, R14, R9
= 47 k Ω
(yellow purple orange)

R6 = 33 k Ω
(orange orange orange)

RCA input
(white inside)

RCA input
(black inside)

RCA input
(red inside)

Two 3 pin
male headers with
Jumper (AI_SEL)*

8 pin female headers

5 pin female headers

R5 = 390 Ω
(orange white brown)

R8= 220 k Ω
(red red yellow)

R7 = 1 k Ω
(brown black red)

potentiometer

R1, R2 = 10 k Ω
(brown black orange)

C1, C2, C10
= 10 μ F
(106 label)

Audio
Out

LED

EMG SpikerShield
Backyard Brains
<http://backyardbrains.com>

Make sure all chips face towards RCA inputs (notice circle or half-circle mark in corner of chip)

*You can change the jumper position to 1, 2, or 3 to select Arduino Analog In 0, 1, or 2 for your EMG signal.