

EMG SpikerShield Board

(your board color could be different)

Note1: Many sections have been left unpopulated for you to do your custom mods!

Note2: The position of the components could be different depending on the model of your board.

C8= 560 uF
(label 561)

C7= 0.47 uF
(label 474 or 4742)

R15, R14, R4
= 47 kΩ

(yellow purple orange)

R6 = 33 kΩ

(orange orange orange)

8 pin female headers

Bank of LEDs

R1, R2 = 10 kΩ
(brown black orange)

C1, C2, C10
= 10 uF
(label 106)

RCA input
(interior white)

RCA input
(interior black)

RCA input
(interior red)

potentiometer

Audio Output

LED

6 pin female headers

R5 = 390 Ω
(orange white brown)

R8= 220 kΩ
(red red yellow)

R7, R3 = 1 kΩ
(brown black red)

Two 3 pin male headers with jumper (AI_SEL)*

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.

