

All \*-ND are Digi-Key part codes (Digi-key.com)  
 All resistors: 0805 SMD, 1/8W, 5%  
 311- (value)ARCT-ND, Yageo eg. 311-1.0KARCT-ND  
 All caps <2.2uF are 0805 SMD 10%, X7R 16-25V, caps 2.2-10uF are 10-16V X5R  
 0805 ceramic caps, CL21B<value>K Samsung eg. 0.1uF (104) CL21B104K  
 Caps C29/C34=1206 SMD X5R, 100uF CL31A107M, 10uF CL31A106K  
 IC1: SSM2167 MSOP-10  
 Audio input: line level or headphone/earphone  
 REG1: 78L05, 5.0V, SOT-89, L78L05A 0.1A  
 D1/D2: diode, 0.2A, SOD-123

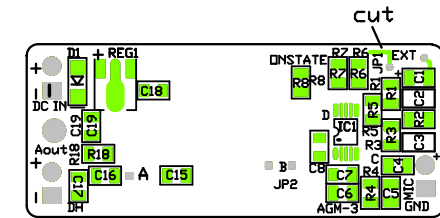
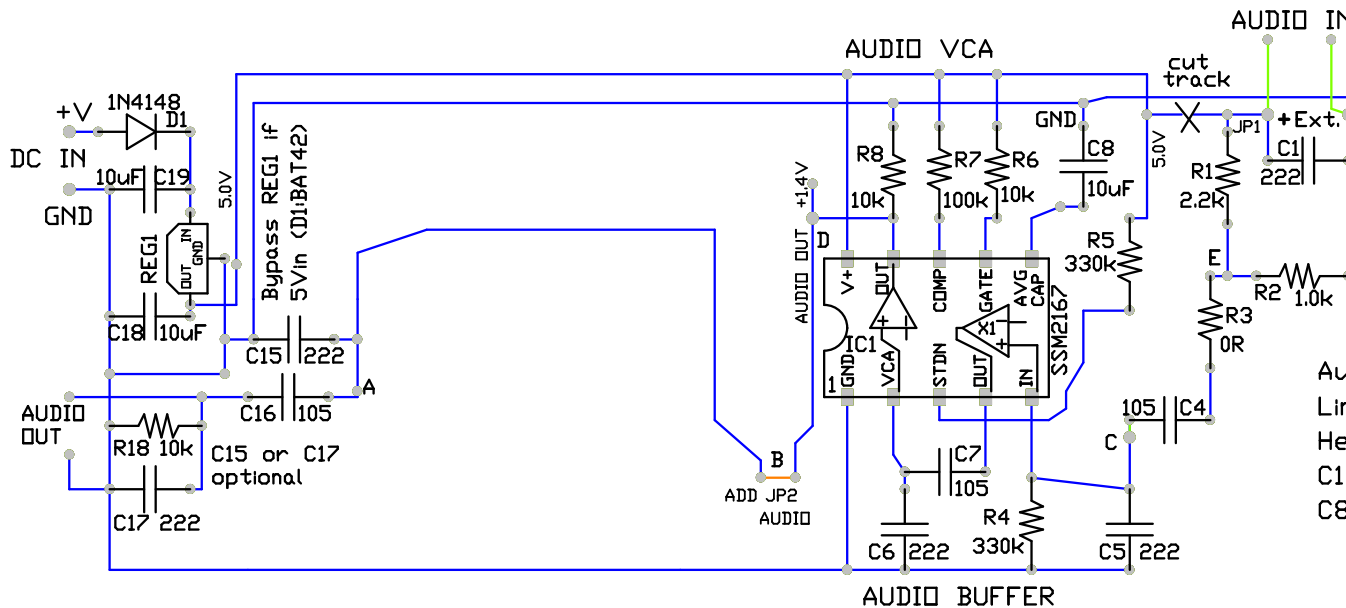
# VCA AGC Microphone Circuit

Microphone: COMP/AGC



Part: PEAGM-3 (C)2017  
 AUDIO AMPLIFIER

## Basic Circuit Line-Level Input



Audio input:  
 Line level: 0.1V-1.0V, R1=2.2k-4.7k  
 Headphone: R1=0.47k-3.3k, R6=47k  
 C1: Audio input noise filter  
 C8/C18/C19: 4.7-10uF