

Input:  
 Tip - left -> A0  
 Ring1 - right -> A1  
 Ring2 - mic -> A2  
 Photodiode -> A3

X1 TRS4  
 LUMBERG JEITA RC-5325A

GA1A12S202

GND Sleeve

X2 TRS4  
 LUMBERG JEITA RC-5325A

Arduino  
 Micro  
 (Rev3)

LED3  
 Red (635nm)

LED2  
 Yellow (585nm)

LED1  
 Green (565nm)

S1 Momentarily Switch

R2  
 90Ω

VT1 NTE128

R1  
 180Ω

D1  
 1N4001

D2  
 1N4001

Output:  
 Tip - pump+  
 Ring1 - pump-  
 Ring2 - TTL (D9)  
 Sleeve - ground

Onboard LEDs:  
 green - D10  
 yellow - D9 (also  
 TTL out)  
 red - D8