









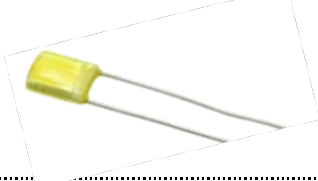



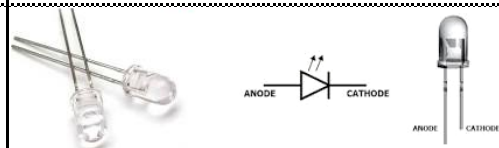
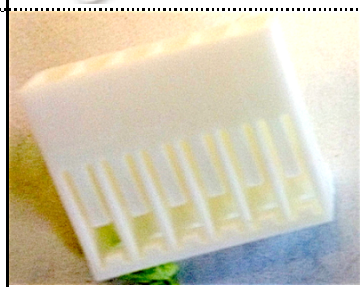


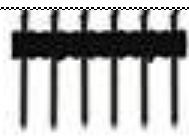



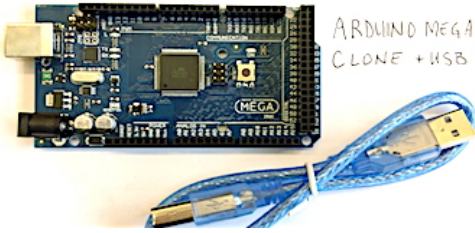




PCB Assembly Components	Qty/Kit	Qty	Description	Notes
LM4562 Audio Op Amp 8-Pin DIP	2			
8-pin DIP Socket	2			
2SK4017Q-ND FET Regulator	9			
Microphone Breakout Assy	1			
1K Resistor	11			
220K Resistor	1		See Above - color bands vary only	
12K Resistor	1		See Above - color bands vary only	
330K Resistor	1		See Above - color bands vary only	
510 Resistor	1		See Above - color bands vary only	
51 Resistor	1		See Above - color bands vary only	
470K Resistor	1		See Above - color bands vary only	
27K Resistor	1		See Above - color bands vary only	
680K Resistor	1		See Above - color bands vary only	
10K Resistor	3		See Above - color bands vary only	
1.5K Resistor	2		See Above - color bands vary only	
LM350 Adj. Voltage Regulator	3			
LM7805 5V Voltage Regulator	1			
LM350 Regulator Heatsink	3			
2.2uF Capacitor	2			
10000pF (0.01uF) (10nF) Capacitor	2			

1000pF (0.001uF) (1nF) Capacitor	2		
0.33uF Capacitor	2		
1uF Capacitor	6		
0.1uF Capacitor	3		
LED, 5mm, Thru hole	1		
6 Pin Female Header, AMP Connectivity	3		
8 Pin Female Header, AMP Connectivity	1	Same as above w/ 8 Pins	
8 Pin Male Header, Molex 0.100" Pitch	1		
6 Pin Male Header, Molex 0.100" Pitch	3	Same as above w/ 6 pins	
3 Pin Female Header	1		
6-Pin Male Header	1		
8-Pin Male Header	3	Same as above w 8 pins	
3-Pin Male Header, Right Angle	1		
<b>Off Board Components</b>	Qty/Kit	Qty	
Regulated 12VDC Power Supply, 5A 60W rated	1		

LED Star Heatsinks	3			
Arduino Mega 2560 Compatible Micro Board & USB Cable	1			
5K Potentiometer, Linear Taper, Panel Mount	1			
DC Power Jack, Chass Mnt, 2.1mm ID, 5.5mm OD	1			
Rocker Switch, Panel Mount, Round	1			
Crimps	25			
RGB LED, 3 watt, 350mA, 20mm Star PCB	3			
<b>Hardware</b>	Qty/Kit	Qty		
#6 x .375 inch Nylon Spacer	4			
#6 x .5 Nylon Spacer	6		Similar to above	
#6-32 x .25 Phillips Cap Head Machine Screw	3			
#6-32 x .75 Phillips Cap Head Machine Screw	4			
#4 x .375 Countersink Phillips Sheet Metal Screw	6			
#6-32 x 1.5 Black, Phillips Machine Screw	6			
#6-32 Nut	13			
#6 Star Lock Washer	13			
#6-32 x .375 Phillips Sheet Metal Screw	6			

I have completed inventory of my IME156 lab kit and have noted any discrepancies above.

**Sign:**

**Date:**