

EEL 3111 Lab Kit – Parts List

- Your TA will give your kits to you on the first day of lab. Please check your kit to make sure it has all of the parts listed below. Put checks in the “Got it?” column and report to your TA any missing parts.
- Read the *Lab Safety* and the *Lab Rules and Policies* handouts.
- You should straighten the ends of the pins on your components before first inserting them. Tools are available in the lab for this purpose.
- All resistors in our kits have the following properties: radial, 1/4 Watt, $\pm 5\%$ tolerance, carbon film.
- All capacitors are polyester film type.
- You will also be given a myDAQ to use for the semester. You **MUST** return this device in the original box at the end of the semester.

Part Description	#	Got it?
100 Ω resistor	2	
270 Ω resistor	2	
330 Ω resistor	2	
470 Ω resistor	4	
1 k Ω resistor	3	
2.2 k Ω resistor	2	
3.3 k Ω resistor	2	
4.7 k Ω resistor	2	
5.6 k Ω resistor	2	
6.8 k Ω resistor	2	
8.2 k Ω resistor	2	
10 k Ω resistor	2	
15 k Ω resistor	2	
18 k Ω resistor	2	
33 k Ω resistor	3	
120 k Ω resistor	2	
220 k Ω resistor	3	
330 k Ω resistor	2	
1 M Ω resistor	2	

Part Description	#	Got it?
0.001 μ F Capacitor	4	
0.01 μ F Capacitor	2	
0.033 μ F Capacitor	3	
0.047 μ F Capacitor	2	
0.1 μ F Capacitor	1	
1N4148 Switching Transistor	4	
BPW77NB Photo Transistor	1	
PN222A NPN Transistor	2	
2.2 mH Inductor	1	
10 k Ω 1 turn ceramic trim potentiometer	1	
Trim Tool	1	
LNA2904L IR (Infrared) LED	1	
LEDRWCT13/4 Red Clear LED	2	
LM741N Operational Amplifier	2	
CD4013 Dual D-FF	1	
LM393N Dual Comparator	1	
NE555P 8-pin DIP Timer	1	
Wire kit	1	
Breadboard	1	
myDAQ (must be returned in original box)	1	