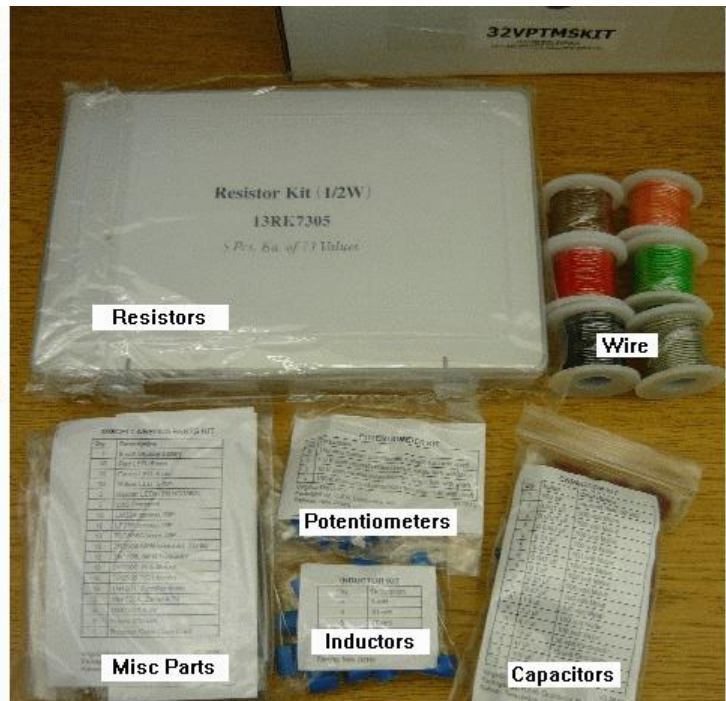


ECE 2054/2074 Lab00B Parts Check

Name:

Submit this completed check list as a **pdf** to Assignment 00B!

NOTE: Your name is required! No Name = 0, no credit!



Place "x" in the [] bracket if item has been checked and is **complete**.

Place "-", "I", or the **quantity** in the [] bracket if item has been checked but is **incomplete**.

Resistor Kit (plastic box) - see the color code chart in Miscellaneous parts

[] 5 of each carbon film resistor value

1Ω, 1.2Ω, 1.5Ω, 1.8Ω, 2.2Ω, 2.7Ω, 3.3Ω, 3.9Ω, 4.7Ω, 5.6Ω, 6.8Ω, 8.2Ω

10Ω, 12Ω, 15Ω, 18Ω, 22Ω, 27Ω, 33Ω, 39Ω, 47Ω, 56Ω, 68Ω, 82Ω

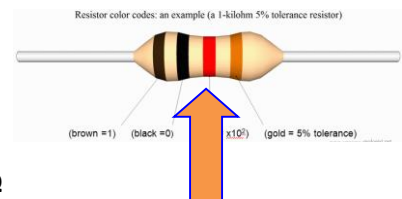
100Ω, 120Ω, 150Ω, 180Ω, 220Ω, 270Ω, 330Ω, 390Ω, 470Ω, 560Ω, 680Ω, 820Ω

1kΩ, 1.2kΩ, 1.5kΩ, 1.8kΩ, 2.2kΩ, 2.7kΩ, 3.3kΩ, 3.9kΩ, 4.7kΩ, 5.6kΩ, 6.8kΩ, 8.2kΩ

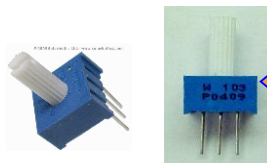
10kΩ, 12kΩ, 15kΩ, 18kΩ, 22kΩ, 27kΩ, 33kΩ, 39kΩ, 47kΩ, 56kΩ, 68kΩ, 82kΩ

100kΩ, 120kΩ, 150kΩ, 180kΩ, 220kΩ, 270kΩ, 330kΩ, 390kΩ, 470kΩ, 560kΩ, 680kΩ, 820kΩ

1MΩ



Potentiometer (bag)



the 3 digit code gives the value

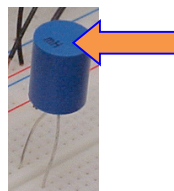
5 of each value

[] 100Ω (marked 101), [] 1.0kΩ (marked 102), [] 10kΩ (marked 103)

Inductor Kit (bag) the value is marked on the top

5 of each value

[] 1mH (marked 1 mH), [] 100mH (marked 100 mH)



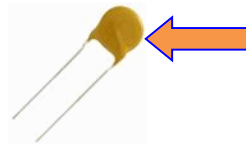
Place "x" in the bracket if item has been checked and is **complete**.

Place "-", "I", or the **quantity** in the bracket if item has been checked but is **incomplete**.

Capacitor Kit (bag) see <http://www.wikihow.com/Read-a-Capacitor>

Ceramic Disk or Monolithic Capacitor (5 of each value)

100pF (marked 101)



Mylar Film Capacitor (5 of each value)

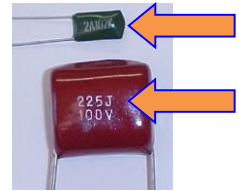
0.001μF (marked 102), 0.0022μF (marked

222),

0.0047μF (marked 472)

0.01μF (marked 103), 0.022μF (marked 223), 0.047μF (marked 473)

0.1μF (marked 104), 0.22μF (marked 224), 0.47μF (marked 474)



Either Mylar Film or Non-Polar Electrolytic Capacitor (5 of each value) (ONLY ONE TYPE)

Mylar: 1.0μF (marked 105), 2.2μF (marked 225), 4.7μF (marked 475)

Electrolytic: 1.0μF (marked 1μF), 2.2μF (marked 2.2μF), 4.7μF (marked 4.7μF)

Electrolytic Capacitor (5 of each value)

10μF (marked 10μF), 47μF (marked 47μF),

100μF (marked 100μF)



Wire Kit (bag or loose in box)


(6 spools total) 25' spool each of Red, Black, and four other colors.



Miscellaneous parts (bag or brown box)

Place an "x" in the yellow "Check" column if the item has been checked and is **complete**.

Place a "-" (dash), an "I", or the **quantity** in the "Check" column if the item has been checked but is **incomplete**.

Check	Qty	Part	Image
<input type="checkbox"/>	1	9 volt alkaline battery	
<input type="checkbox"/>	5	Red LED	

	5	Green LED	
	5	Yellow LED	
	2	08LHG3362 Bi-Polar LED	
	2	CDS003-7004 Photo cell	
	5	LM311 Comparater	
	10	LF356N 8 pin op amp	
	5	TLC555C 8 pin timer	
	5	2N3904 NPN Transistor	
	5	2N3906 PNP Transistor	
	5	2N7000 N-MOSFET	
	5	TP0606 P-MOSFET	
	5	1N4001 Silicone rectifier diode	
	5	1N4731 4.3V Zener Diode	
	5	F 200mA 250V fuse	
	1	Resistor Color Code Card	

Submit this completed worksheet as a **pdf** to Assignment 00B before the deadline!