

IEEE Lab-Kit Parts List

LAB I Parts: updated 9/14/09

Part Name	Part Value	Qty. Per Lab Kit	Price Each	Part Name	Part Value	Qty. Per Lab Kit	Price Each
Capacitors:				Integrated Circuit:			
	33 pF (33)	2	\$0.25		CD4007 Dual Complement Pair	2	\$0.50
	100 pF (101)	1	\$0.25		LF411 Bi-FET Low-Offset Op Amp	2	\$1.00
	330 pF (331)	1	\$0.25		LM311 Voltage Comparator	2	\$0.50
	560 pF (561)	1	\$0.25		LM723 Adjustable Voltage Regulator	1	\$1.00
	0.001 μ F (102)	1	\$0.25		(UA)LM741 High Performance Op Amp	1	\$2.00
	0.01 μ F (103)	4	\$0.25		SN74HC00 Quad NAND Gate	1	\$0.50
	0.033 μ F (333)	1	\$0.25		SN74LS00 Quad NAND Gate	1	\$0.50
	0.1 μ F (104)	2	\$0.25		TS7555 CMOS Timer Oscillator	1	\$0.50
	0.33 μ F (334)	1	\$0.20		CA3096 NPN/PNP Transistor Array	1	\$6.00
	1 μ F (105)	2	\$0.25		DG403 Dual SPDT CMOS Switch	1	\$3.50
	4.7 μ F	2	\$0.50				
	10 μ F	2	\$0.50	Transistors:			
	15 μ F	1	\$0.50		2N3904 NPN	4	\$0.25
	68 μ F	1	\$0.50		2N3906 PNP	4	\$0.25
	680 μ F	1	\$1.25		2N4401NPN	1	\$0.25
					2N5485 JFET	2	\$0.75
Inductor:					78L05 Regulator	1	\$0.50
	10 mH	2	\$1.25		IRF9510 P-Chnl MOSFET	1	\$1.00
					IRF510 N-Chnl MOSFET	1	\$1.00
Potentiometers:					PBW77 Phototransistor	1	\$2.50
	10 k Ω	1	\$1.25		LM317 Regulator	1	\$0.50
	50 k Ω	1	\$1.25		TYN408 SCR Thyristor	1	\$1.00
	100 k Ω	1	\$1.25				
				Other:			
Diodes:					BNC "T" Connector	1	\$2.00
	1N914	6	\$0.25		BNC to Alligator cable	1	\$4.00
	1N746	1	\$0.25		BNC cable	1	\$5.00
	1N752	1	\$0.25		Long-nose Pliers	1	\$3.00
					Oscilloscope Probe Set	1	\$20.00
Lamps:					Breadboard	1	\$10.00
	47 Bayonet Mount	1	\$0.50		Jump Wire Kit	1	\$5.00
	344 Miniature	1	\$0.50		Wire Stripper/Crimper Tool	1	\$4.00
					Digital Multimeter	1	\$15.00
					TO-92 Heat Sink	1	\$0.50
				Resistors:			
					Resistor Kit	1	\$10.00
					2 k Ω	5	\$0.10
					20 k Ω	5	\$0.10
					1 M Ω	2	\$0.10
					10M Ω	1	\$0.10