

Leach Amp Building Accessories BOM		http://users.ece.gatech.edu/~mleach/lowtim/					
Description	Use	Quantity	Source	Part Number	Each	Total	
Electrical Recommended							
100 ohm 2 Watt resister	discharging capacitors	1	Mouser	279-CFR200J100R	\$0.05	\$0.05	
100 ohm 1/4 Watt resister	across fuses during testing	5	Mouser	291-100-RC	\$0.10	\$0.50	
8.2k 1/4 watt	Bias/transister matching @ 15v	4	Mouser	660-CFS1/4CT52R822G	\$0.32	\$1.28	
4.7k 1/4 watt	Bias/transister matching @ 9v	4	Mouser	660-CFS1/4CT52R472G	\$0.32	\$1.28	
51k 1/4watt	Microamps current masurements	4	Mouser	291-51K-RC	\$0.10	\$0.40	
Electrical Optional							
#10 Ring Terminal (100pack)	Electrical Connections	1	Amazon	#10 Ring Terminals	\$7.24	\$7.24	
STUD 5/16 Ring Terminal (10pack)	Electrical Connections	1	Amazon	5/16 Ring Terminals	\$7.25	\$7.25	
#20 Wire	Green Hookup Wire	1	Mouser	602-3053/1-100-04	\$26.35	\$26.35	
#22 Wire	Blue Hookup Wire	1	Mouser	602-3051/1-100-06	\$23.23	\$23.23	
#18 Wire	Black Hookup Wire	1	Mouser	565-6734-0	\$12.24	\$12.24	
#18 Wire	Red Hookup Wire	1	Mouser	565-6734-2	\$12.24	\$12.24	
#20 Wire	Orange Hookup Wire	1	Mouser	602-3053/1-100-08	\$26.35	\$26.35	
# 22 AWG, 100' Yellow	Yellow Hookup Wire	1	Amazon	part	\$0.00	\$11.46	
Mechanical Recommended							
Loctite		1	Amazon	01-24200	\$6.54	\$6.54	
Tie wraps		1	Amazon	TEKTON 6235	\$7.57	\$7.57	
Heatshrink tube		1	Amazon	Vktech 150pcs	\$7.90	\$7.90	
Tools - Examples, Not Required							
Jigsaw with metal cutting saw blade	Dewalt	1	Amazon	DW317K	\$100.00	\$100.00	
Drill Press	WEN	1	Amazon	4208	\$90.00	\$90.00	
Hand-held Drill	Dewalt	1	Amazon	DCD790B	\$120.00	\$120.00	
Soldering Iron	Weller	1	Amazon	WES51	\$100.00	\$100.00	
Heat-gun	Generic	1	Amazon	Generic	\$25.00	\$25.00	
Wire strippers	Generic	1	Amazon	Generic	\$20.00	\$20.00	
Wire cutters	Hakko	1	Amazon	CHP-170	\$5.00	\$5.00	
Ruler	Helix	1	Amazon	18 inch	\$11.56	\$11.56	
Drill Bits	Dewalt	1	Amazon	7/32,1/8,5/32,3/16	\$19.97	\$19.97	
long nose pliers	Generic	1	Amazon	Generic	\$5.05	\$5.05	
Arctic Silver Thermal Paste	Arctic Silver	1	Amazon	Arctic Silver 5	\$7.87	\$7.87	
#2 Phillips head screwdriver	Generic	1	Amazon	Generic	\$5.00	\$5.00	
#0 Phillips head screwdriver	Generic	1	Amazon	Generic	\$5.00	\$5.00	
Variac (Optional)	20Amp	1	Amazon	Generic	\$200.00	\$200.00	
Current limiting Cable (instead of Variac)	Wire Nuts	1	Amazon	Generic	\$3.00	\$3.00	
Current limiting Cable (instead of Variac)	25 Watt Incandescent light bulb	1	Amazon	Generic	\$5.00	\$5.00	
Current limiting Cable (instead of Variac)	40 Watt Incandescent light bulb	1	Amazon	Generic	\$5.00	\$5.00	
Current limiting Cable (instead of Variac)	Power Cord	2	Amazon	Generic	\$5.00	\$10.00	
Current limiting Cable (instead of Variac)	Clamp light	1	Amazon	Generic	\$10.00	\$10.00	

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Tools - Examples, Not Required - Continued						
Dremel tool with grinding wheel	Dremel	1	Amazon	Dremel	\$77.99	\$77.99
Automatic Center Punch	Generic	1	Amazon	Generic	\$7.00	\$7.00
Breadboard	Generic	1	Amazon	Generic	\$25.00	\$25.00
Multimeter	Fluke	1	Amazon	115	\$120.00	\$120.00
Power supply	12V, 5V, 3V		DIY	DIY		