

A	A	B	C	D	E	F	G	H	I	J	K
1	Item	Usage	Quantity	Manufacturer	Mfr Part Number	Source	Source Part Number	Order Qty	Cost Ea.	Total	Comment
2	Adapter, 3/8-16 male to 5/8-27 female	mic stand adapter	1	Beyerdynamic	AMS-NR216	Performance Audio		1	\$4.90	\$4.90	
3	Battery holders, 9-Volt alkaline, single	battery holders	2	Keystone	1290	Mouser Electronics	534-1290	2	\$1.92	\$3.84	
4	Battery, 9-Volt alkaline	B1, B2	2	Duracell	MN1604	Local supplier		2	\$1.71	\$3.42	
5	Capacitor, 22uF 16V electrolytic	C1,C4-5	12	Panasonic	ECA-1CM220	Digi-Key	P5135-ND	12	\$0.05	\$0.62	
6	Capacitor, 10uF 50V non-polar electrolytic	C10-11	8	Panasonic	ECE-A1HN100U	Digi-Key	P1280-ND	10	\$0.15	\$1.53	
7	Capacitor, 22uF 25V non-polar electrolytic	C3	4	Panasonic	ECE-A1EN220X	Digi-Key	P1177-ND	4	\$0.11	\$0.43	
8	Capacitor, 47pF ceramic	C13	4	Kemet	C320C470K2G5CA	Mouser Electronics	80-C320C470K2G5CA	4	\$0.18	\$0.72	.1" lead spacing
9	Capacitor, .047uF ceramic	C14	1	Kemet	C317C473M5U5CA	Mouser Electronics	80-C317C473M5U5CA	1	\$0.33	\$0.33	
10	Capacitor, 0.1uF ceramic	C2, C6-9, C12	24	Kemet	C320C104M5U5CA	Mouser Electronics	80-C320C104M5U5CA	25	\$0.30	\$7.50	.1" lead spacing
11	Connector, .1" shunt jumper	gain jumper	4	Molex	15-29-1025	Mouser Electronics	538-15-29-1025	4	\$0.31	\$1.24	
12	Connector, .1x.1 header, rt angle, breakaway	gain set block	2	TE Connectivity	1-826634-0	Mouser Electronics	571-1-826634-0	1	\$1.52	\$1.52	cut to 4-segment units
13	Connector, XLR 3-pin male	mic cable connector	4	Switchcraft	A3FSWI	Performance Audio	A3FSWI	4	\$3.19	\$12.76	
14	Diode, 1N4148	D4-7	16	Fairchild	1N4148	Mouser Electronics	512-1N4148	25	\$0.02	\$0.50	price break at 25
15	Diode, 1N5231B 5.1V zener	D1	4	Fairchild	1N5231B	Mouser Electronics	512-1N5231B	4	\$0.05	\$0.20	
16	Diode, 1N5240B 10v zener	D2-3	8	Fairchild	1N5240B	Mouser Electronics	512-1N5240B	8	\$0.06	\$0.48	
17	Enclosure, electronic	housing	2	Context Engineering	2506H-4.3N	Fry's Electronics	2090760	2	\$10.99	\$21.98	
18	Epoxy, 2-part fast setting	tetrahedral and LED	1			Local hardware store		1	\$0.00	\$0.00	
19	FR-4, 2.5" x 3.0" (copper clad OK)	mount for battery holders	1	MG Chemicals	MG 503	Mouser Electronics	590-503	1	\$3.30	\$3.30	5"x3" single side clad
20	Glue, super (cyanoacrylate)	mic cable	1	Super Glue		Local hardware store		1	\$0.00	\$0.00	use the regular liquid, not the gel type
21	Grommet	mic cable grommet	1	Halex	21691	Home Depot	5141121697	1	\$2.49	\$2.49	grommet from strain relief cord connector
22	IC, THAT 1512P08-U	U1	4	THAT	1512P08-U	Mouser Electronics	887-1512P08-U	4	\$5.31	\$21.24	
23	Lamp nipple, 3/8"-27 (1/4" ips), 3" long	tetrahedral support	1			Lamp parts store		1	\$1.00	\$1.00	brass all-thread
24	Lamp socket cap, medium-base	tetrahedral flange adapter	1	Leviton	X-3347 or X-2740	Lamp parts store	ref. Leviton 10065 socket	1	\$1.25	\$1.25	keyless fixture lampholder cap
25	LED - yellow T-1	D8	1	Lumex	SSL-LX3044LYD	Digi-Key	67-1072-ND	1	\$0.38	\$0.38	any T-1 through-hole yellow LED will work
26	Microphone capsule	M1	4	Panasonic	WM-55A103	Digi-Key	P9961-ND	4	\$2.23	\$8.92	strongly suggest you buy 10
27	Nut, 2-56 stainless	battery mount to plate	8			BoltDepot.com	5577	10	\$0.05	\$0.50	a few spares
28	Nut, 4-40 k-nut	fasten enclosures and flange	6			BoltDepot.com	12018	10	\$0.08	\$0.80	a few spares
29	Nut, 3/8"-16 jam	for mic stand adapter	1			BoltDepot.com	4122	1	\$0.18	\$0.18	a jam nut is thinner than a standard nut
30	Printed circuit boards	PCBs	2	ExpressPCB	Exp2 v1.32	ExpressPCB	Exp2 v1.32	1	\$75.00	\$75.00	MiniBoardPro Service for 3 pc boards
31	Resistor, 1/8w 10k 1%	R1, R2, R4	12	Xicon	270-10K-RC	Mouser Electronics	270-10K-RC	12	\$0.15	\$1.80	suggest ordering 20 for \$2.20
32	Resistor, 1/8w 4.7k 1%	R3	4	Xicon	270-4.7K-RC	Mouser Electronics	270-4.7K-RC	4	\$0.15	\$0.60	suggest ordering 10 for \$1.10
33	Resistor, 1/4w 162 ohm 1%	R5A	4	Xicon	271-162-RC	Mouser Electronics	271-162-RC	4	\$0.13	\$0.52	suggest ordering 10 for \$0.90
34	Resistor, 1/4w 523 ohm 1%	R5B	4	Xicon	271-523-RC	Mouser Electronics	271-523-RC	4	\$0.13	\$0.52	suggest ordering 10 for \$0.90
35	Resistor, 1/4w 1.87k 1%	R5C	4	Xicon	271-1.87K-RC	Mouser Electronics	271-1.87K-RC	4	\$0.13	\$0.52	suggest ordering 10 for \$0.90
36	Resistor, 1/4w 10k 1%	R5D, R10	5	Xicon	271-10K-RC	Mouser Electronics	271-10K-RC	5	\$0.13	\$0.65	suggest ordering 10 for \$0.90
37	Resistor, 1/4w 51ohm 1%	R6, R9	8	Xicon	271-51-RC	Mouser Electronics	271-51-RC	8	\$0.13	\$1.04	suggest ordering 10 for \$0.90
38	Resistor, 1/4w 20k 1%	R7, R8	8	Xicon	271-20K-RC	Mouser Electronics	271-20K-RC	8	\$0.13	\$1.04	suggest ordering 10 for \$0.90
39	Screw 2-56 x 1/4" stainless	battery mount to plate	8			BoltDepot.com	7651	10	\$0.05	\$0.50	a few spares
40	Screw 4-40 x 5/16" stainless	connect enclosures, flange to enclosure	10			BoltDepot.com	9628	10	\$0.05	\$0.50	a few spares
41	Shrink tube, 1/8" x 3" black	battery compartment, mic connectors	1	3M	FP301 1/8 BLACK 48" BK	Mouser Electronics	5174-1181	1	\$1.07	\$1.07	4-foot length
42	Shrink tube, 3/8" x 12" black	tetrahedral pipette, mic cable strain relief	1	3M	FP301 3/8 BLACK 48" BK	Mouser Electronics	5174-1381	1	\$1.80	\$1.80	4-foot length
43	Shrink tube, 1/2" x 12" black	mic cable strain relief	1	3M	FP301 1/2 BLACK 48" BK	Mouser Electronics	5174-1121	1	\$2.05	\$2.05	4-foot length
44	Switch, DPDT, miniature	power switch	1	TE Connectivity	A201SYZQ04	Digi-Key	450-1533-ND	1	\$2.78	\$2.78	
45	Tie-wraps - black (small as possible)	tetrahedral wiring	2			Local hardware store		2	\$0.00	\$0.00	
46	Tube, plastic, 1/8" ID, 1/4" OD	XLR boot inserts	1	possibly Tygon		Local hardware store		1	\$0.00	\$0.00	need 4 pieces 1" long
47	Washer, lock, #2 stainless	battery mount to plate	12			BoltDepot.com	4085	15	\$0.05	\$0.75	a few spares
48	Washer, lock, 3/8-inch internal	for mic stand adapter	1			BoltDepot.com	4094	1	\$0.09	\$0.09	
49	Wind screen, foam	WindTech SG-200 Foam Windscreen	1	WindCutter		TheWindcutter.com		1	\$25.95	\$25.95	order as a set with furry windscreen
50	Wind screen, furry	SoundMaster WindCutter furry windscreen	1	WindCutter		TheWindcutter.com		1	\$45.95	\$45.95	order as a set with foam windscreen
51	Wire, #12AWG bare solid copper	tetrahedral form (about 12 inches)	1			Local hardware store		1	\$0.00	\$0.00	
52	Wire, black/white/orange, 24-gauge	power (about 24 inches of each color)	1 each			Local hardware store		1	\$0.00	\$0.00	3 wires, one of each color
53	Wire, 4-pair microphone snake cable	tetrahedral and mic cable	25	Mogami	2931	Performance Audio	W2931	25	\$1.71	\$42.75	suggest 25 feet
54	28-Feb-2012						Approximate total cost:			\$307.92	Shipping and taxes not included