

Part	Price	Qty	Total	Vendor	Part #	Manufacturer	Manufacturer P/N	Description/Info
Semiconductors:								
NE5532	\$0.84	2	\$1.68	Digikey	296-7040-5-ND	Texas Instruments	NE5532AP	Dual, 8-DIP
NE5534	\$1.05	4	\$4.20	Digikey	296-7042-5-ND	Texas Instruments	NE5534AP	Dual, 8-DIP
TL072 (LF353)	\$0.56	1	\$0.56	Digikey	LF353NFS-ND	Fairchild Semiconductor	LF353N	Dual JFET HS, 8-DIP
TL074 (LF347)	\$0.76	1	\$0.76	Digikey	LF347NFS-ND	Fairchild Semiconductor	LF347N	Quad JFET HS, 14-DIP
DBX 2150/2151	\$5.00	3	\$15.00					Various Options for VCAs Quantity Needed: 6
IN4148 Silicon Diode	\$0.053	10	\$0.53	Digikey	1N4148MSCT-ND	Micro Commercial Co	1N4148	0.15A 75V DO-35
W04 - 1.5A 400V Bridge Rectifier	\$0.64	1	\$0.64	Digikey	W04GDI-ND	Diodes Inc	W04G	
Regulator 7815	\$0.52	1	\$0.52	Digikey	296-11113-5-ND	Texas Instruments	UA7815CKC	TO-220 15V 1.5A
Regulator 7915	\$1.01	1	\$1.01	Digikey	LM7915CT-ND	National Semiconductor	LM7915CT	TO-220 -15V 1.5A
Regulator 78L12	\$0.53	1	\$0.53	Digikey	AN78L12-ND	Panasonic - SSG	AN78L12	TO-92 12V 100mA
Regulator 79L12	\$0.52	1	\$0.52	Digikey	AN79L12-ND	Panasonic - SSG	AN79L12	TO-92 -12V 100mA
Red Chassis Mount Flat LED (4.9mm)	\$1.13	1	\$1.13	Digikey	67-1155-ND	Lumex Opto/Components	SSI-LXH387ID	
Resistors (Min Quantity 10):								
10R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-10	Xicon	271-10	Quantity Needed: 2
47R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-47	Xicon	271-47	Quantity Needed: 2
68R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-68	Xicon	271-68	Quantity Needed: 2
100R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-100	Xicon	271-100	Quantity Needed: 6
120R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-120	Xicon	271-120	Quantity Needed: 2
470R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-470	Xicon	271-470	Quantity Needed: 5
820R 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-820	Xicon	271-820	Quantity Needed: 1
1K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-1K	Xicon	271-1K	Quantity Needed: 7
2K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-2K	Xicon	271-2K	Quantity Needed: 1 If Behringer Meter is Used, No 2K is Needed
2K7 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-2.7K	Xicon	271-2.7K	Quantity Needed: 1
3K3 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-3.3K	Xicon	271-3.3K	Quantity Needed: 1 Only Needed if Behringer Meter is Used
3K9 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-3.9K	Xicon	271-3.9K	Quantity Needed: 3
8K2 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-8.2K	Xicon	271-8.2K	Quantity Needed: 1
10K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-10K	Xicon	271-10K	Quantity Needed: 10
15K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-15K	Xicon	271-15K	Quantity Needed: 5 If Unity Gain, QN: 3
20K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-20K	Xicon	271-20K	Quantity Needed: 3
22K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-22K	Xicon	271-22K	Quantity Needed: 8
27K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-27K	Xicon	271-27K	Quantity Needed: 1 If Unity Gain, QN: 3
33K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-33K	Xicon	271-33K	Quantity Needed: 1
47K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-47K	Xicon	271-47K	Quantity Needed: 6
56K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-56K	Xicon	271-56K	Quantity Needed: 1
68K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-68K	Xicon	271-68K	Quantity Needed: 1
82K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-82K	Xicon	271-82K	Quantity Needed: 1
91K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-91K	Xicon	271-91K	Quantity Needed: 1
100K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-100K	Xicon	271-100K	Quantity Needed: 3

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180K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-180K	Xicon	271-180K	Quantity Needed: 1
220K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-220K	Xicon	271-220K	Quantity Needed: 1
270K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-270K	Xicon	271-270K	Quantity Needed: 3
470K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-470K	Xicon	271-470K	Quantity Needed: 1
510K 1/4W 5% Carbon Film	\$0.07	10	\$0.70	Mouser	291-510K	Xicon	291-510K	Quantity Needed: 1
560K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-560K	Xicon	271-560K	Quantity Needed: 1
620K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-620K	Xicon	271-620K	Quantity Needed: 2
750K 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-750K	Xicon	271-750K	Quantity Needed: 1
1M 1/4W 1% Metal Film	\$0.09	10	\$0.90	Mouser	271-1.0M	Xicon	271-1.0M	Quantity Needed: 3
1M2 1/4W 5% Carbon Film	\$0.07	10	\$0.70	Mouser	291-1.2M	Xicon	291-1.2M	Quantity Needed: 2
1M8 1/4W 5% Carbon Film	\$0.07	10	\$0.70	Mouser	291-1.8M	Xicon	291-1.8M	Quantity Needed: 1
3M3M 1/4W 5% Carbon Film	\$0.07	10	\$0.70	Mouser	291-3.3M	Xicon	291-3.3M	Quantity Needed: 1
3M9 1/4W 5% Carbon Film	\$0.07	10	\$0.70	Mouser	291-3.9M	Xicon	291-3.9M	Quantity Needed: 1
Capacitors:								
<u>Ceramic:</u>								
10p 100V 5% Monolithic	\$0.38	1	\$0.38	Digikey	P4837-ND	Panasonic - ECG	ECU-S2A100JCA	
22p 100V 5% Monolithic	\$0.38	2	\$0.76	Digikey	P4841-ND	Panasonic - ECG	ECU-S2A220JCA	
33p 100V 5% Monolithic	\$0.38	4	\$1.52	Digikey	P4843-ND	Panasonic - ECG	ECU-S2A330JCA	
100p 100V 5% Monolithic	\$0.256	10	\$2.56	Digikey	P4849-ND	Panasonic - ECG	ECU-S2A101JCA	Price Break at 10 -- Cheaper Quantity Needed: 9
<u>Polyester: (B Series)</u>								
100n 5mm 50V	\$0.18	30	\$5.40	Digikey	P4593-ND	Panasonic - ECG	ECQ-B1H104JF	Quantity Needed: 25
<u>Electrolytic:</u>								
1000u 63V	\$2.43	2	\$4.86	Digikey	P5586-ND	Panasonic - ECG	ECA-1JHG102	NHG Series - PS Caps
100u 25V	\$0.36	4	\$1.44	Digikey	493-1820-ND	Nichicon	UPW1E101MED	PW Series - Output Caps
22u 25V	\$0.187	14	\$2.62	Digikey	P11213-ND	Panasonic - ECG	EEA-FC1E220	FC Series - Input/PS Caps
<u>Tantulums:</u>								
0.47u 50V	\$0.51	5	\$2.55	Digikey	P2071-ND	Panasonic - ECG	ECS-F1HE474	
6.8u 50V	\$0.88	1	\$0.88	Digikey	399-1359-ND	Kemet	T356F685K035AS	
Potentiometers:								
50K Linear 6mm	\$1.25	2	\$2.50	Mouser	31VA405	Alpha (Taiwan)	RV24A-10-15R1-B54	
50K Trim 5x10mm	\$0.51	2	\$1.02	Digikey	U262R503B-ND	CTS	U262R503B	
Switches:								
Lorlin CK 4x3 Switch, PCB Mount	\$2.57	1	\$2.57	Mouser	10WA137	Lorlin	10WA137	Ratio
Lorlin CK 2x6 Switch, PCB Mount	\$2.57	2	\$5.14	Mouser	10WA135	Lorlin	10WA135	Attack, Release
Lorlin CK 4x3 Switch, Solder Lugs	\$2.57	2	\$5.14	Mouser	10WA167	Lorlin	10WA167	Bypass, On/Off
Miscellaneous:								
Printed Circuit Board	\$20.00	1	\$20.00					
19", 1u Chassis	\$42.50	1	\$42.50			Par-Metal	10-19082B	Black 1RU Chassis
Power Supply Transformer (Toroid)	\$16.25	1	\$16.25	Digikey	TE62063-ND	Amveco Magnetics	62063	15V-0-15V, 0.832A -- 25VA

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Fused IEC 5x20mm	\$2.42	1	\$2.42	Digikey	Q201-ND	Qualtek	719W-00/02		
Male XLR Chassis Connector	\$2.62	2	\$5.24	Parts Express	092-034	Neutrik	NC3MD-L-1	I bought in group of 10 to get that price.	
Female XLR Chassis Connector	\$2.38	2	\$4.76	Parts Express	092-063	Neutrik	NC3FD-L-1	I bought in group of 10 to get that price.	
Behringer VU Tube Series	\$20.00	1	\$20.00			dBm Pro Parts	0PLA-128	1mA	
Sockets:									
8 Pin IC Socket	\$0.289	10	\$2.89	Digikey	ED60000-ND	Mill-Max Manufacturing	210-93-308-41-001000	Price Break at 10 -- Cheaper Quantity Needed: 7	
14 Pin IC Socket	\$0.73	1	\$0.73	Digikey	ED60001-ND	Mill-Max Manufacturing	210-93-314-41-001000		
16 Pin IC Socket	\$0.83	2	\$1.66	Digikey	ED60002-ND	Mill-Max Manufacturing	210-93-316-41-001000		
Knobs:									
Medium Knob (Threshold, Ratio, Attack, Release, Makeup Gain)	\$3.01	5	\$15.05	Newark InOne	57F2348	Tyco/Alcoswitch (PKES Series)	5-1437625-3		
Small Knob (Bypass, On/Off)	\$2.62	2	\$5.24	Newark InOne	57F2347	Tyco/Alcoswitch (PKES Series)	5-1437624-2		
Headers:									
Spacing: 0.100" (2.54mm)									
3 Pin Straight-Friction Lock Header	\$0.39	1	\$0.39	Digikey	WM4201-ND	Molex	22-23-2031	Tranny Secondaries to PCB	
5 Pin Straight-Friction Lock Header	\$0.54	2	\$1.08	Digikey	WM4203-ND	Molex	22-23-2051	I/O Terminals	
10 Pin Straight-Friction Lock Header	\$0.87	1	\$0.87	Digikey	WM4208-ND	Molex	22-23-2101		
3 Pin Center Crimp Terminal Housing	\$0.27	1	\$0.27	Digikey	WM2012-ND	Molex	22-01-2037		
5 Pin Center Crimp Terminal Housing	\$0.38	2	\$0.76	Digikey	WM2014-ND	Molex	22-01-2057		
10 Pin Center Crimp Terminal Housing	\$0.66	1	\$0.66	Digikey	WM2019-ND	Molex	22-01-2107		
Crimp Terminals (Min Quantity 10)	\$0.067	20	\$1.34	Digikey	WM2200-ND	Molex	08-50-0114		
PARTS TOTAL:			\$241.73	(Shipping Not Included)					
Revision History:									
Revision 1: Original Spreadsheet (07.09.04)									
Revision 2: 3 Pin Headers Added (07.15.04)									
Revision 3: Resistor Quantity Update, Electrolytic Cap Descriptions Added (09.07.04)									
Revision 4: Tantulums updated									