

Qty	Description	Ref. Des	Manuf.	Manuf. PN	Mouser PN	Cost Ea	Cost Ext	Alternate Mouser PN	Notes
2	Capacitor, 470pF NPO ceramic 0.1"								
LS		C1, C8	Vishay	K471J15C0GF53L2	594-K471J15C0GF53L2	\$ 0.10	\$ 0.20	594-K471J15C0GF53L2	
6	Capacitor, 100uF 25V electrolytic, 5mm LS 8.5mm dia	C2, C6, C7, C12, C13, C15	Panasonic	EEU-FR1E101B	667-EEU-FR1E101B	\$ 0.44	\$ 2.64	667-EEU-FR1J101LB	
4	Capacitor, 0.1uF X7R ceramic 0.1" LS	C3, C5, C10, C11	Vishay	K104K15X7RF53L2	594-K104K15X7RF53L2	\$ 0.10	\$ 0.40	594-K104K15X7RF53L2	
4	Capacitor, 1000uF 25V electrolytic, 5mm LS 13mm dia	C4, C9, C14, C16	Nichicon	UVY1E102MPD	647-UVY1E102MPD	\$ 0.32	\$ 1.28	647-UVK1E102MPD	
1	LED, 3mm right angle	D1	Lite-On	LTL-4231NHBP	859-LTL-4231NHBP	\$ 0.20	\$ 0.20	696-SSF-LXH103GD	You can use other colors if you want
1	TVS Diode, 24V 600W bidirectional	D2	Vishay	P6KE24CA-E3/54	625-P6KE24CA-E3	\$ 0.59	\$ 0.59	576-P6KE24CA	Make sure you get bidirectional (CA) not uni (A)
1	DO-15/DO-204	D3, D4	Vishay	SB160-E3/54	625-SB160-E3	\$ 0.13	\$ 0.26	512-SB160	
2	Schottky diode, 60V 1A DO-41	J1	Neutrik	NRJ6HF	550-20311	\$ 0.59	\$ 0.59	550-20311AU	Alternate is gold plated
1	Jack, 1/4" TRS phone	at J1	Neutrik	NRJ-NUT-B	550-1005	\$ 0.14	\$ 0.14	550-1002	Alternate is metal
1	Nut for phone jack	J2	Switchcraft	722RA	502-722RA	\$ 2.80	\$ 2.80	502-L722RA	
1	Jack, 2.1mm power	J3	Kycon	STX-3150-5C	806-STX-3150-5C	\$ 1.51	\$ 1.51	502-35RAPC2BV4	
1	Jack, 3.5mm TRS phone	J4	Kobiconn	161-4218-E	161-4218-E	\$ 0.81	\$ 0.81	161-4220-E	Alternate is gold plated
1	Jack, horizontal dual RCA	PF1	Tyco	RXEF110	650-RXEF110	\$ 0.38	\$ 0.38	650-RXEF110K	
1	PTC Fuse, 1A								
2	Depletion-mode N-channel MOSFET	Q1, Q2	Ixys	CPC3703TR	849-CPC3703CTR	\$ 0.83	\$ 1.66	849-CPC3703C	
1	Resistor, 1/4W 4.7k	R1	KOA	MF1/4DC4701F	660-MF1/4DC4701F	\$ 0.12	\$ 0.12	71-CCF554K75FKE36	
2	Resistor, 1/4W 1.5 ohm	R2, R3	KOA	MF1/4DC1R50F	660-MF1/4DC1R50F	\$ 0.12	\$ 0.24	603-MFR-25FBF52-1R5	
4	Resistor, 1/4W 1K	R4, R5, R6, R9	KOA	MF1/4DC1001F	660-MF1/4DC1001F	\$ 0.12	\$ 0.48	71-CCF551K00FKE36	
2	Resistor, 1/4W 100 ohm	R7, R10	KOA	MF1/4DC1000F	660-MF1/4DC1000F	\$ 0.12	\$ 0.24	71-CCF55100RFKE36	
2	Resistor, 1/4W 1M	R8, R11	KOA	MF1/4DC1004F	660-MF1/4DC1004F	\$ 0.12	\$ 0.24	71-CCF551M00FKE36	
1	Pot, 10k stereo audio	RV1	Alpha	RV122F-20-15F-A10K	313-1240F-10K	\$ 3.16	\$ 3.16	RV122F-20-15F-A50K	
1	Knob, 6mm shaft	at RV1	Eagle Plastic	450-BA761	450-BA761	\$ 0.60	\$ 0.60	450-BA261	You can use a different one
1	Switch, DPDT latching push	SW1	C&K	F2UEE	611-F2UEE	\$ 1.66	\$ 1.66	611-F2UEEAU	Alternate is gold plated
1	Switch, DPST power push	SW2	E-switch	P227EE1CXC	612-P227EE1CXC	\$ 2.72	\$ 2.72	611-NE1845EE	
2	Cap, pushbutton	at SW1, SW2	C&K	21125	611-21125	\$ 0.49	\$ 0.98	612-TAG-BK	You can use different colors Many other choices - see website
2	Opamp, high current	U1, U3	TI	OPA552PA	595-OPA552PA	\$ 5.04	\$ 10.08	595-OPA551PA	
2	Socket, 8-pin DIP	at U1, U3	Mill-Max	110-99-308-41-001000	575-199308	\$ 0.27	\$ 0.54	575-144308	Optional, but a good idea
1	Linear regulator, -12V TO-220	U2	TI	LM2990T-12/NOPB	926-LM2990T-12/NOPB	\$ 3.22	\$ 3.22	926-LM79M12CT/NOPB	
1	Linear regulator, +12V TO-220	U4	TI	LM2940CT-12/NOPB	926-LM2940CT-12/NOPB	\$ 1.64	\$ 1.64	863-MC78M12CTG	
1	AC adapter 12VAC 500mA - 1A 2.1mm plug	none	Triad	WAU12-1000	553-WAU12-1000	\$ 16.68	\$ 16.68	553-WAU12-500	Need different adapter for non-US use
1	PC Board					\$ 20.00	\$ 20.00		stores.ebay.com/pmillett
							\$ 76.06		