

<i>Groovesizer MULTIBOARD BOM</i>		3/5/2014		
PART	VALUE	QUANTITY	MOUSER PART #	
1	Resistor	220Ω 1/4W 1%	42	660- MF1/4DCT52R220C
2	Resistor	10kΩ 1/4W 1%	41	660- MF1/4DCT52A1002
3	Resistor	3.3kΩ 1/4W 1%	8	660- MF1/4DC3301F
4	Resistor	1kΩ 1/4W 1%	3	660- MF1/4DCT52A1001
5	Resistor	100Ω 1/4W 1%	1	660- MF1/4DC1000F
6	Resistor	2.2kΩ 1/4W 1%	1	660- MF1/4DC2201F
7	Resistor	1MΩ 1/4W 1%	1	660- MF1/4DCT52A1004
8	Resistor	3.9kΩ 1/4W 1%	1	660- MF1/4DCT52R3901
9	Diode	1N4148	1	512-1N4148
10	Diode	1N4001	1	512-1N4001
11	XTAL	16MHz	1	815-ABL-16-B2
12	IC – Optocoupler	6N137	1	757-6N137F
13	IC – Multiplexer	CD4051BE	1	595-CD4051BE
14	IC – Shift Register	74HC595	5	595-SN74HC595N
15	IC – Shift Register	CD4021BE	5	595-CD4021BE
16	IC – Voltage Regulator	LM7805	1	512-LM7805CT
17	IC – DAC	MCP4901	1	579-MCP4901-E/P
18	IC – Amp	LM386	1	926-LM386N- 4/NOPB
19	IC – EEPROM	24LC256	1	579-24LC256-I/P
20	IC – MCU	Atmega 328P-PU 6pin dual	1	556- ATMEGA328P-PU
21	Header (Right Angle)	breakaway ICSP Phone Connector	1	571-826955-3
22	1/8" Mini jack	3.5mm	1	502- 35RAPC4BHN2
23	1/4" Jack	supplied with PCB	1	
24	DIP Socket	28p	1	571-1-390262-2
25	DIP Socket	8p	3	571-1825093-2
26	Tactile Switches	12mm	40	612-TL1100
27	Switch Caps	Black	24	642-AKTS22K
28	Switch Caps	Ivory	14	AKTSC22I (Apem) – not stocked by Mouser
29	Switch Caps	Blue	2	AKTSC22B (Apem) – not stocked by Mouser
30	Ceramic Disk Capacitor	0.1uF (104)	15	140-50V5-104Z- RC
31	Ceramic Disk Capacitor	0.001uF (102)	8	594- H102K25X7RL63J5
32	Ceramic Disk Capacitor	22pF (22)	2	140-50N5-220J- RC
33	Header	single breakaway 40p	1	571-41033210
34	Ceramic Capacitor	4.7nF	1	810- FK18X7R2A472K
35	DC Power Connector	9v 2.1mm	1	163-179PH-EX
36	Capacitor	100uF 16v	6	871- B41827A4107M000
37	Capacitor	10uF 16v	3	871- B41002A4106M000

38	Trimmer Resistor	10k Ω	1	72-T93XA-10K
39	MIDI Connectors	5-pin DIN	2	161-0504-E
40	Potentiometers	10k linear	6	688- RK09K1130AAU
41	Knobs	16mm D-Shaft	6	450-BA761
42	LEDs	red 3mm	40	604- WP710A10ID5V
43	LED standoffs	6mm	40	593-STD250B