

BILL OF MATERIALS DS8 DRUM SYNTH

Revision: 1.0 Created: 06-Oct-04

Resistors 1/4W 5% carbon film

7	R1,R7,R20,R25,R26,R32,R101	10K
2	R2,R38	1M
1	R3	22K
2	R4,R12	39k
9	R5,R6,R13,R15,R16, R18,R30,R33,R36	100K
1	R8	3k3 or 22k (see text)
2	R9,R100	68k
1	R10	22
1	R11	220
1	R14	4K7
7	R17,R19,R21,R22, R23,R24,R27	47K
2	R28,R29	220
1	R31	NC
1	R34	33k
1	R35	470k
1	R37	15k
1	R39	330

Capacitors

2	C1,C2	3u3/16V tantalum or chemical
2	C3,C9	47n polyester
2	C4,C13	1n polyester
1	C5	22pF ceramic (optional)
1	C6	1uF/16V tantalum or chemical
2	C7,C8	1uF/16V tantalum or chemical
2	C10,C12	10n polyester
1	C11	4n7 polyester
1	C100	100uF/25V chemical
1	C101	10uF/16V tantalum or chemical

Integrated Circuits

1	U1	CA3080
2	U2,U3	LM324
1	U4	741
1	U100	7805
2	Q1,Q2	BC550, 2SC945 , any NPN transistor
1	Q3	BC550, 2SC945 ...
2	D1,D2	1N4148 Diode

Miscellaneous

1	RV1	50k trimmer single turn or 47K Lin Pot - (trigger input sensitivity)
5	47K	potentiometers (4 Log , 1 Lin)
1	2M2 LIN	carbon or plastic potentiometer
1	470k to 1M Lin or Log	carbon or plastic potentiometer
1	Piezzo cell or Buzzer	or a Jack chassis 6.35 or 3.5
1	Jack 6.35 or 3.5	
1	9V battery	power supply connector