

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	0805
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	0805
2	C3,C9	47n polyester	
2	C4,C13	1n polyester	1206
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	LM13700
2	U2,U3	LM324	
1	U4	741	
1	U100	7805	
2	Q1,Q2	BC550, 2SC945 , any NPN transistor	BC850
1	Q3	BC550, 2SC945 ...	
2	D1,D2	1N4148 Diode	

Miscellaneous

1	RV1	50k trimmer single turn or 47K Lin Pot - (trigger input sensitivity)	TRIM
5	47K	potentiometers (4 Log , 1 Lin)	PAN (LIN), SWEEP, MODE, VCO, LEVEL
1	2M2 LIN	carbon or plastic potentiometer	RATE
1	470k to 1M Lin or Log	carbon or plastic potentiometer	DECAY
1	Piezzo cell or Buzzer or a Jack chassis 6.35 or 3.5		TRIGGER IN
1	Jack 6.35 or 3.5		OUT, CVIN
1	9V battery	power supply connector	