Erica Synths DIY SWAMP
v1.2 June 2017
BOM

MAIN BOARD

Id	Designator	Quantity	Designation	Supplier and ref	
1	VC2,VC1,VC3	3	VTL5C3		
2	C8,C9,C10,C11,C12,C13,C14,C15,C17,C21,C23,C28,C32	13	0.1uF		
3	C16	1	1nF		
4	C24,C26	2	47nF		
5	C25	1	22nF FILM		
6	DA2,DA3,DA4	3	TL074		
7	DA6,DA5	2	CD4046BE		
8	DA7	1	ALPHA 1100CK2 (A or B)	comes with a kit	
9	DD1	1	LM555N		
10	JP1	1	JMP-PLD-3	comes with a kit	
13	VD11,VD12,VD13,VD18,VD19,VD20,VD21	7	1N4148		
14	VT1	1	2N3906		
15	VT2,VT3	2	2N3904		
17	XP2,XP3	2	PLS-20	come with a kit	
18	C18,C22	2	1uFx25V		
19	C20	1	3.3uFx25V	Non polarized!!!	
20	C27	1	2.2uFx25V		
21	C29,C30,C31	3	10uFx25V		
22	R16,R17,R30,R34,R45,R48,R57,R64,R65,R75,R78,R79,R80	13	100k	5% 250mW	
23	R18,R23,R26,R42,R47,R54,R59,R60,R61	9	20k	5% 250mW	
24	R19,R21,R32,R39	4	220k	5% 250mW	
25	R20	1	470k	5% 250mW	
26	R22,R24,R50,R53,R56,R58	6	1M	5% 250mW	
27	R25	1	5.6k	5% 250mW	
28	R27	1	47k	5% 250mW	
29	R28,R31,R36,R49	4	10k	5% 250mW	
30	R29	1	560 ohm	5% 250mW	
31	R33	1	330k	5% 250mW	
32	R37,R46,R55,R62,R63,R67,R68	7	33k	5% 250mW	
33	R41	1	82k	5% 250mW	
34	R43	1	6.8k	5% 250mW	
35	R44	1	7.5k	5% 250mW	
36	R52	1	8.2k	5% 250mW	
37	R69	1	10M	5% 250mW	
38	R70	1	4.7k	5% 250mW	
39	DIP14 IC socket	3			
40	DIP16 IC socket	2			

CONTROL BOARD

Id	Designator	Quantity	Designation	Supplier and ref
1	C1,C4,C5,C6,C7	5	0.1uF	
2	C19	1	47nF	
3	DA1	1	TL074	
4	L1,L2	2	100uH	
5	R1,R5,R6	3	B100k	Thonk Alpha pots
6	R2,R3,R4	3	B1M	Thonk Alpha pots
7	SW1,SW2	2	SPDT ON-OFF-ON switch	Thonk will work
8	VD1,VD2	2	LED-3mm	
9	VD3,VD4	2	1N4001	
10	VD5,VD6,VD7,VD8,VD9,VD10,VD14,VD15,VD16,VD17,VD22,VD23,VD24,VD25,VD26,VD27,VD28,VD29,VD30,VD31	20	1N4148	

11	VR1,VR2	2	Rersettable fuses	See Mouser cart	
12	VT4,VT5	2	2N3904		
13	XP1	1	IDC-10MS		
14	XS1,XS2,XS3,XS4,XS5,XS6,XS7,XS8,XS9,XS10	10	WQP-PJ301M-12	Thonkicon jacks	
15	XS11,XS12	2	PBS-20	come with a kit	
16	C2,C3	2	47uFx25V		
17	R7,R8,R9,R15	4	10k	5% 250mW	
18	R10	1	20k	5% 250mW	
19	R11	1	220k	5% 250mW	
20	R12,R13,R76,R77,R81,R82,R83,R84,R89,R91	10	100k	5% 250mW	
22	R35,R38,R51,R66,R85,R86,R87,R88	8	470 ohm	5% 250mW	
23	R40	1	47k	5% 250mW	
24	R71,R72,R73,R74	4	33k	5% 250mW	
25	R90,R92	2	22k	5% 250mW	
26	R93,R94	2	5.6k	5% 250mW	
27	R95	1	43k	5% 250mW	
28	DIP14 IC socket	1			

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