

M103A VCO driver Revised: Wednesday, January 05, 2011
 ArcEnSon Revision: JPD

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Item	Quantity	Reference	Part	Supplier
1	8	C1,C4,C5,C7,C9,C10,C11, C12	0.1uf	(Digikey 399-4151-ND)
2	3	C2,C3,C6	10uf/25V	(Digikey 338-1697-ND)
3	1	C8	100pf/200v	(Digikey 399-4141-ND)
4	1	C13	220pf/200v	(Digikey 399-4164-ND)
5	1	H1	6 pins 0.156"	Tyco connector (Digikey A1973-ND)
6	3	H2,H3,H4	3 pins 0.100"	Tyco connector (Digikey A19470-ND)
7	5	J1,J2,J3,J4,J5	Switchcraft 112AX 1/4"	jack phone
8	2	L1,L2	FERRITE bead core	(Digikey P9820BK-ND)
9	2	S1	MOOG ROCKER SWITCH WHITE #SWT-01-000-0005	
10	1	P1	Pot 10KB 2% linearity 360deg rotation	
11	2	P2,P4	5K0 trim pot CERMET 21 trns	(Digikey T93YA-5.0K-ND)
12	1	P3	10K0 trim pot CERMET 21 trns	(Digikey T93YA-10K-ND)
13	1	P5	50K0 trim pot CERMET 21 trns	(Digikey T93YA-50K-ND)
14	1	P6	100KB Alpha linear pot	(Mouser RV24AF-10-15R1-B100K)
15	1	R1	49K9 1%	
16	1	R2	47K0 1%	
17	1	R3	20K0 1%	
18	1	R4	22K6 1%	
19	1	R5	100K 1%	
20	1	R6	147K 1%	
21	4	R7,R16,R18,R20	100K 0.1%	
22	1	R8	330 5%	
23	1	R9	42K2 1%	
24	1	R10	75K 5%	
25	1	R11	24K9 1%	
26	3	R12,R13,R15	47K 5%	
27	1	R14	270K 5%	
28	3	R17,R19,R24	100K 5%	
29	3	R21,R22,R23	100 5%	
30	1	U1	REF01 10V. prec. voltage reference	(Digikey REF01HPZ-ND)
31	2	U2,U3	OPA2277PA prec. dual opamp	Burr-Brown
32	1	U4	TL072 dual opamp	Texas Instrument
33	1	U5	TL074 quad opamp	Texas Instrument

Hardware:

34	4	Machined IC sockets gold 8pos.	.300" DIP	(Digikey ED3308-ND)
35	1	Machined IC sockets gold 14pos.	.300" DIP	(Digikey ED3314-ND)
36	2	Cosmo 7602 type 1" knobs	(Available at www.smallbear.com item item: 0808B or and www.synthesizers.com item:794)	
37	4	Round Standoffs 4-40 .250"	Digikey 3478K-ND	(KEYSTONE 3478)
38	2	Round Standoffs 4-40 0.75"	Digikey 1547DK-ND	
39	2	hex nuts 4-40 nickel		
40	2	Phillips Flat head 4-40 3/16"	Pièces mach.	Delisle (SPAENAU MS-1241P)
41	4	SS Phillips Flat head 4-40 1/2"	Pièces machinerie	Delisle
42	4	Locking hex nuts 4-40 nickel	Pièces mach.	Delisle (SPAENAU N-180K-RC)
43	-	Wiring AWG#22		
44	1	Aluminium 1/16" thick front panel (1U Moog style)		
45	1	Auto-adhesive silkscreen front panel artwork		