

SCA A12B Bill of Material								Rev 1.3
Item	Qty	Ref	Value	Description	Manufacturer	Man's Number	Source	Cat Number
1	1	C7	22pF	C0G Ceramic	Kemet	C315C220J2G5TA	Digi-Key	399-4162-ND
2	1	C6	33pF	C0G Ceramic				
3	3	C3, C20, C21	100pF	C0G Ceramic	Kemet	C315C101J2G5TA	Digi-Key	399-4141-ND
4	1	C1	120pF	C0G Ceramic	Kemet	C315C121J1G5TA	Mouser	80-C315C121J1G
5	1	C4	150pF	C0G Ceramic				
6	1	C2	220pF	C0G Ceramic	Kemet	C315C221J1G5TA	Digi-Key	399-4163-ND
7	4	C10, C11, C12, C13	.1uF	X7R Ceramic	Kemet	C315C104M5U5TA	Digi-Key	399-4151-ND
8	2	C8, C9	100uF/35V	Radial Electrolytic				
9	2	C14, C15	22uF/35V	Radial Electrolytic	Panasonic	EEU-FC1V220	Digi-Key	P11230-ND
10	2	C18, C19	100uF/63V	Radial Electrolytic	Panasonic	EEU-FC1J101L	Digi-Key	P10342-ND
11	1	C5	470uF/10V	Radial Electrolytic	Panasonic	EEU-FC1A471	Digi-Key	P10221-ND
12	2	C16, C17	1000uF/35V	Radial Electrolytic				
13	1	CONN1		XLR-Female	Neutrik	NC3FBHR-2	Brill	NC3FBHR-2
14	1	CONN2		XLR-Male	Neutrik	NC3MBHR	Brill	NC3MBHR
15	0	CONN3						
16	0	CONN4						
17	1	J1		Header	Molex	26-60-4060	Digi-Key	WM4624-ND
18	6	D1-D6		Diode				
19	8	D7-D14		Diode	General Semi	1N4002	Digi-Key	1N4002-E3/54GICT-N
20	6	J2, J3, J5, J6, J7, J8		2 way Pin Header	Molex	22-28-4020	Digi-Key	WM6402-ND
21	6			Shorting jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
22	6	L1, L2, L3, L4, L5, L6	102J	Shielded Inductor				
23	2	Q1, Q4	MPSA18					
24	5	Q2, Q5, Q7, Q8, Q10	PN2484					
25	4	Q3, Q6, Q9, Q11	PN4250A					
26	1	Q12	MJE182					
27	1	Q13	MJE172					
28	1	Q14	MPSA06	NPN Bipolar	Fairchild	MPSA06	Digi-Key	MPSA06-ND
29	2	R29, R30	3R9	Metal Film Resistor 1/4W	Yageo			
30	1	R26	56	Metal Film Resistor 1/4W	Yageo			
31	1	R11	91	Metal Film Resistor 1/4W	Yageo		Digi-Key	
32	1	R28	100	Metal Film Resistor 1/4W	Yageo	MFR-25FBBF-100R	Digi-Key	100XBK-ND
33	1	R37	150	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
34	1	R12	162	Metal Film Resistor 1/4W	Yageo		Digi-Key	
35	2	R31, R34	200	Metal Film Resistor 1/4W	Yageo			
36	1	R14	287	Metal Film Resistor 1/4W	Yageo		Digi-Key	
37	1	R25	300	Metal Film Resistor 1/4W	Yageo			
38	1	R9	523	Metal Film Resistor 1/4W	Yageo		Digi-Key	
39	1	R43	604	Metal Film Resistor 1/4W	Yageo	MFR-25FBBF-604R	Digi-Key	604XBK-ND
40	1	R8	953	Metal Film Resistor 1/4W	Yageo			
41	2	R18, R23	1K00	Metal Film Resistor 1/4W	Yageo			
42	1	R6	1K74	Metal Film Resistor 1/4W	Yageo			
43	3	R15, R16, R20	3K00	Metal Film Resistor 1/4W	Yageo			
44	1	R5	3K32	Metal Film Resistor 1/4W	Yageo			

45	2	R32, R33	3K60	Metal Film Resistor 1/4W	Yageo		Digi-Key	
46	1	R22	6K04	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-6K04	Digi-Key	6.04KXBK-ND
47	2	R40, R41	6K65	Metal Film Resistor 1/4W	IRC	RC55LF-D-6K65-B-B	Mouser	66-RC55LF-D-6.65K
48	1	R3	6K81	Metal Film Resistor 1/4W	Yageo			
49	1	R24	7K68	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-7K68	Digi-Key	7.68KXBK-ND
50	1	R27	9K76	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-9K76	Digi-Key	9.76KXBK-ND
51	2	R2, R39	10K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-10K0	Digi-Key	10.0KXBK-ND
52	1	R21	10K7	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-10K7	Digi-Key	10.7KXBK-ND
53	2	R35, R36	15K	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-15K	Digi-Key	15KQBK-ND
54	1	R19	19K6	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-19K6	Digi-Key	19.6KXBK-ND
55	1	R17	34K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBB-34K0	Digi-Key	34.0KXBK-ND
56	3	R7, R10, R13	36K0	Metal Film Resistor 1/4W	Yageo			
57	1	R38	100K	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-100K	Digi-Key	100KQBK-ND
58	1	R1	10K	Potentiometer	Bourns	91A1A-B24-B15L	Digi-Key	91A1A-B24-B15L-ND
59	1	SW1		Rotary Switch	Grayhill	71BDF30-02-1-AJS	Grayhill	71BDF30-02-1-AJS
60	1	SW2		SPDT Switch	E-Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
61	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
62	1	T1a		Input transformer	CineMag	CMMI-8-PCA	CineMag	CMMI-8-PCA
63	1	T2		Output transformer	CineMag	CMOQ-2S	CineMag	CMOQ-2S
64	1	U1	LM317T	Voltage Regulator, Pos	National	LM317T	Digi-Key	LM317TNS-ND
65	1	U2	LM337T	Voltage Regulator, Neg	National	LM337T	Digi-Key	LM337TNS-ND
66	2			Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
67	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
68	2		#4-40 x 1"	Pan head machine screw			Olander	4C100PPMZR
69	6		#4-40 x 1/4"	Pan head machine screw, trilobe			Olander	4C25PPWZB
70	4		#4-40	Kepps nut			Olander	4CKNTZR
71	2			1/8" Nylon spacer			Olander	4N12RS4N
72	1			PCB	SCA		SCA	