

SCA C84 Bill of Material

Item	Qty	Ref	Value	Description	Manufacturer	Man's Number	Source	Cat Number
1	1	C1	220pF	221J C0G 50	Kemet	C315C221J1G5TA	Mouser	80-C315C221J1G5HA
2	4	C8,C10,C42,C43	1uF	Tantalum	Kemet	T350A105K035AT	Digi-Key	399-3529-ND
3	13	C9,C11,C12,C13,C14,C21,C27,C39,C40,C41,C44,C47,C48	100pF	101J C0G 50	Kemet	C315C101J2G5TA	Digi-Key	399-4141-ND
4	2	C2,C3	1000pF	102J C0G 50	Kemet	C315C102J1G5TA	Digi-Key	399-1905-ND
5	4	C17,C19,C23,C25	100uF/35V	Electrolytic	Panasonic	EEU-FC1V101	Digi-Key	P10294-ND
6	2	C35,C46	100uF/63V	Electrolytic	Panasonic	EEU-FC1J101	Digi-Key	P10342-ND
7	2	C4,C7	100uF/50V	Bi-Polar Electrolytic	Nichicon	UVP1H101MPD	Mouser	647-UVP1H101MPD
8	2	C16,C22	4700uF/6.3V	Electrolytic	Panasonic	EEU-FC0J472	Digi-Key	P10209-ND
9	2	C29,C32	1500uF/50V	Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key	P7468-ND
10	7	C30,C33,C36,C18,C20,C24,C26	0.1uF	104K X7R 100	Kemet	C320C104K5R5TA	Digi-Key	399-2054-ND
11	2	C31,C34	47uF/50V	Electrolytic	Panasonic	EEU-FC1H470	Digi-Key	P10321-ND
12	2	C37,C38	22uF/35V	Electrolytic	Kemet	T356K226K035AT	Digi-Key	399-3670-ND
13	2	C5,C6	1uF	Polypropylene	BC	2222 416 71005	Digi-Key	BC2076-ND
14	1	CONN1		XLR-F	Neutrik	NC3FBHR2	Brill	NC3FBHR2
15	1	CONN2		XLR-M	Neutrik	NC3MBHR	Brill	NC3MBHR
16	15	D1-D15		Diode	Fairchild	1N4002	Mouser	512-1N4002
17	1	J3		Header	Molex	26-60-4060	Digi-Key	WM4624-ND
18	1			Housing	Molex	09-50-8061	Digi-Key	WM2126-ND
19	6			Contacts	Molex	08-50-0106	Digi-Key	WM2300-ND
20	2	J1,J2		3 way Pin Header	Molex	22-28-4030	Digi-Key	WM6403-ND
21	2			Shorting jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
22	2	L1,L2		Load Isolator	Jensen	JT-OLI-3	Jensen	JT-OLI-3
23	1	L3		47mH Filter	Panasonic	ELF-18D235F	Digi-Key	PLK1248-ND
24	4	LED3,LED4,LED7,LED8		LED	Lumex	SSL-LX5093HD	Digi-Key	67-1102-ND
25	2	Q1,Q2		NPN Bipolar	National	LM394CH	Digi-Key	LM394CH-ND
26	2	Q6,Q13		NPN Bipolar	Fairchild	BC550	Mouser	512-BC550
27	2	Q5,Q12		PNP Bipolar	Fairchild	BC560	Mouser	512-BC560
28	2	Q8,Q15		NPN Power	Fairchild	MJE182	Mouser	511-MJE182
29	2	Q9,Q16		PNP Power	Fairchild	MJE172	Mouser	511-MJE172
30	2	R1,R2	6K65	Blue-Blue-Green-Brown-Brown	IRC	RC55-D-6K65-B-B	Mouser	66-RC55-D-6.65K
31	1	R10	187	Brown-Gray-Violet-Black-Brown	Yageo	MFR-25FBF-191R	Digi-Key	187XBK
32	1	R11	105	Brown-Black-Green-Black-Brown	Yageo	MFR-25FBF-105R	Digi-Key	105XBK
33	1	R12	57R6	Green-Violet-Blue-Gold-Brown	Yageo	MFR-25FBF-59R0	Digi-Key	57.6XBK
34	1	R13	32R4	Orange-Red-Yellow-Gold-Brown	Yageo	MFR-25FBF-33R2	Digi-Key	32.4XBK
35	1	R14	17R8	Brown-Violet-Gray-Gold-Brown	Yageo	MFR-25FBF-18R7	Digi-Key	17.8XBK
36	3	R15,R31,R32	10R0	Brown-Black-Black-Gold-Brown	Yageo	MFR-25FBF-10R5	Digi-Key	10.0XBK
37	1	R16	5R6	Green-Blue-Black-Gold	Yageo	CFR-25JB-5R6	Digi-Key	5.6QBK-ND
38	3	R17,R18,R19	1K00	Brown-Black-Black-Brown-Brown	Yageo	MFR-25FBF-1K00	Digi-Key	1.00KXBK
39	2	R20,R21	1K58	Brown-Green-Gray-Brown-Brown	Yageo	MFR-25FBF-1K58	Digi-Key	1.58KXBK
40	1	R7	1R0	Brown-Black-Gold-Gold	Yageo	CFR-25JB-1R0	Digi-Key	1.0QBK-ND
41	3	R26,R28,R30	2K40	Red-Yellow-Black-Brown-Brown	Xicon	271-2.4K	Mouser	271-2.4K
42	1	R29	10K	Potentiometer	Bourns	91A1A-B24-D15	Digi-Key	91A1A-B24-D15-ND
43	1	R33	2K	Potentiometer	Bourns	3296Y-1-202	Digi-Key	3296Y-202-ND
44	1	R36	100	Potentiometer	Bourns	3296Y-1-101	Digi-Key	3296Y-101-ND
45	2	R3,R4	750	Violet-Green-Black-Black-Brown	IRC	RC55-D-750R-B-B	Mouser	66-RC55-D-750
46	1	R34	10K7	Brown-Black-Violet-Red-Brown	Yageo	MFR-25FBF-10K7	Digi-Key	10.7KXBK
47	1	R35	37K4	Orange-Violet-Yellow-Red-Brown	Yageo	MFR-25FBF-37K4	Digi-Key	37.4KXBK
48	2	R75,R76	150	Brown-Green-Black-Gold	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
49	6	R22,R23,R39,R40,R53,R54	10K0	Brown-Black-Black-Red-Brown	Yageo	MFR-25FBF-10K0	Digi-Key	10.0KXBK
50	2	R41,R55	100	Brown-Black-Black-Black-Brown	Yageo	MFR-25FBF-100R	Digi-Key	100XBK

51	2	R56,R77	13K0	Brown-Orange-Black-Red-Brown	Yageo	MFR-25FBF-13K0	Digi-Key	13.0KXBK
52	2	R51,R65	14K0	Brown-Yellow-Black-Red-Brown	Yageo	MFR-25FBF-14K0	Digi-Key	14.0KXBK
53	4	R45,R46,R59,R60	4K75	Yellow-Violet-Green-Brown-Brown	Yageo	MFR-25FBF-4K75	Digi-Key	4.75KXBK
54	4	R48,R49,R62,R63	4R7	Yellow-Violet-Gold-Gold	Yageo	CFR-25JB-4R7	Digi-Key	4.7QBK-ND
55	1	R5	3R3	Orange-Orange-Gold-Gold	Yageo	CFR-25JB-3R3	Digi-Key	3.3QBK-ND
56	2	R52,R66	49R9	Yellow-White-White-Gold-Brown	Yageo	MFR-25FBF-49R9	Digi-Key	49.9XBK
57	1	R6	1R8	Brown-Gray-Gold-Gold	Yageo	CFR-25JB-1R8	Digi-Key	1.8QBK-ND
58	2	R67,R71	15K	Brown-Green-Orange-Gold	Yageo	CFR-25JB-15K	Digi-Key	15KQBK-ND
59	2	R68,R72	1K	Potentiometer	Bourns	3296Y-1-102	Digi-Key	3296Y-102-ND
60	2	R69,R73	118	Brown-Brown-Gray-Black-Brown	Yageo	MFR-25FBF-118R	Digi-Key	118XBK
61	2	R70,R74	1K24	Brown-Red-Yellow-Brown-Brown	Yageo	MFR-25FBF-1K24	Digi-Key	1.24KXBK
62	1	R8	680	Blue-Gray-Black-Black-Brown	Xicon	271-680	Mouser	271-680
63	1	R9	350	Orange-Green-Black-Black-Brown	Xicon	271-350	Mouser	271-350
64	1	SW1		Rotary Switch	Grayhill	71BDF30-02-1-AJS	Grayhill	71BDF30-02-1-AJS
65	1	SW2		SPDT Switch	E-Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
66	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
67	2	U1,U3		Dual CMOS Op Amp	Burr-Brown	OPA2604AP	Digi-Key	OPA2604AP-ND
68	1	U4		Voltage Regulator, Pos	National	LM317T	Digi-Key	LM317TNS-ND
69	1	U5		Voltage Regulator, Neg	National	LM337T	Digi-Key	LM337TNS-ND
70	2			Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
71	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
72	6		#4-40 x 1/4"	Pan head machine screw, trilobe			Olander	4C25PPWZZ
73	2		#4-40	Kepps nut			Olander	4CKNTZR
74	1			PCB	SCA		SCA	