

SCA J99 Bill of Material

Item	Qty	Ref	Value	Description	Manufacturer	Manufacturer's No	Source	Catalog No.
1	2	C8,C9	680pF	681J	Kemet	C315C681J1G5TA	Digi-Key	399-4191-ND
2	2	C21,C22	100pF	101J	Kemet	C315C101J2G5TA	Digi-Key	399-4141-ND
3	2	C2,C11	47uF/50V	Radial Electrolytic	Panasonic	EEU-FC1H470	Digi-Key	P10321-ND
4	4	C28,C29,C30,C31	1uF/50V	Radial Electrolytic	Panasonic	EEU-FC1H1R0	Digi-Key	P10312-ND
5	2	C6,C16	1500uF/50V	Radial Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key	P7468-ND
6	4	C12,C14,C17,C19	470nF	474	Panasonic	ECQ-V1H474JL	Digi-Key	P4671-ND
7	2	C7,C23	100uF/63V	Radial Electrolytic	Panasonic	EEU-FC1J101	Digi-Key	P10342-ND
8	3	C1,C3,C10	.1uF	104K	Panasonic	ECU-S2A104KBA	Digi-Key	P4910-ND
9	6	C4,C5,C13,C15,C18,C20	10uF/35V	Tantalum Electrolytic	Kemet	T350G106K035AT	Digi-Key	399-3579-ND
10	11	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11	1N4002	Diode	General Semi	1N4002	Digi-Key	1N4002GICT-ND
11	1	CONN1	XLRF	XLR-Female	Neutrik	NC3FBHR-2	Brill	568-NC3FBHR-2
12	1	CONN2	XLRM	XLR-Male	Neutrik	NC3MBHR	Brill	568-NC3MBHR
13	1	J7		6 Position Header	Molex	26-60-4060	Digi-Key	WM4624-ND
14	1			6 Position Housing	Molex	09-50-8061	Digi-Key	WM2126-ND
15	6			Crimp Contacts	Molex	08-50-0106	Digi-Key	WM2300-ND
16	3	J1,J2,J5		2 Position Header	Molex	22-28-4020	Digi-Key	WM6402-ND
17	4	J3,J4,J6,J8		3 Position Header	Molex	22-28-4030	Digi-Key	WM6403-ND
18	7			Shorting Jumper	Sullins	STC02SYAN	Digi-Key	S9000-ND
19	1	R1	1K10	Brown-Brown-Black-Brown-Brown	PPC	5043ED1K100F12AF5	Digi-Key	PPC1.10KYCT-ND
20	1	R2	845	Gray-Yellow-Green-Black-Brown	PPC	5043ED845R0F12AF5	Digi-Key	PPC845YCT-ND
21	1	R3	1K50	Brown-Green-Black-Brown-Brown	PPC	5043ED1K500F12AF5	Digi-Key	PPC1.50KYCT-ND
22	1	R4	2K74	Red-Violet-Yellow-Brown-Brown	PPC	5043ED2K740F12AF5	Digi-Key	PPC2.74KYCT-ND
23	2	R5,R11	64R9	Blue-Yellow-White-Gold-Brown	Yageo	MFR-25FBB-64R9	Digi-Key	64.9XBK-ND
24	2	R6,R12	36R5	Orange-Blue-Green-Gold-Brown	PPC	5043ED36R50F12AF5	Digi-Key	PPC36.5YCT-ND
25	2	R7,R13	432	Yellow-Orange-Red-Black-Brown	PPC	5043ED432R0F12AF5	Digi-Key	PPC432YCT-ND
26	2	R8,R14	221	Red-Red-Brown-Black-Brown	PPC	5043ED221R0F12AF5	Digi-Key	PPC221YCT-ND
27	4	R9,R15,R29,R34	118	Brown-Brown-Gray-Black-Brown	PPC	5043ED118R0F12AF5	Digi-Key	PPC118YCT-ND
28	2	R10,R25	2K00	Red-Black-Black-Brown-Brown	PPC	5043ED2K000F12AF5	Digi-Key	PPC2.00KYCT-ND
29	1	R16	1K00	Brown-Black-Black-Brown-Brown	PPC	5043ED1K000F12AF5	Digi-Key	PPC1.00KYCT-ND
30	1	R17	1K	Potentiometer	Bourns	91A1A-B24-B10L	Newark	62K3311
31	10	R18,R19,R41-R44,R46-R49	1M00	Brown-Black-Black-Yellow-Brown	PPC	5043ED1M000F12AF5	Digi-Key	PPC1.00MYCT-ND
32	1	R20	15K0	Brown-Green-Black-Red-Brown	PPC	5043ED15K00F12AF5	Digi-Key	PPC15.0KYCT-ND
33	1	R21	10R0	Brown-Black-Black-Gold-Brown	PPC	5043ED10R00F12AF5	Digi-Key	PPC10.0YCT-ND
34	2	R22,R23	2M00	Red-Black-Black-Yellow-Brown	PPC	5043ED2M000F12AF5	Digi-Key	PPC2.00MYCT-ND
35	1	R24	200K	Red-Black-Black-Orange-Brown	PPC	5043ED200K0F12AF5	Digi-Key	PPC200KYCT-ND
36	1	R26	604	Blue-Black-Yellow-Black-Brown	PPC	5043ED604R0F12AF5	Digi-Key	PPC604YCT-ND
37	2	R27,R39	100	Brown-Black-Black-Black-Brown	PPC	5043ED100R0F12AF5	Digi-Key	PPC100YCT-ND
38	2	R28,R32	1K	Trimmer	Bourns	3296Y-1-102LF	Digi-Key	3296Y-102LF-ND
39	2	R45,R50	10K	Trimmer	Bourns	3296Y-1-103LF	Digi-Key	3296Y-103LF-ND
40	2	R30,R33	1K24	Brown-Red-Yellow-Brown-Brown	PPC	5043ED1K240F12AF5	Digi-Key	PPC1.24KYCT-ND
41	2	R31,R35	15K	Brown-Green-Orange-Gold	Yageo	CFR-25JB-15K	Digi-Key	15KQBK-ND
42	2	R36,R40	150	Brown-Green-Brown-Gold	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
43	2	R37,R38	6K65	55D 6K65 B	IRC	RC55LF-D-6K65-B-B	Mouser	66-RC55LF-D-6.65K
44	1	SW3	DPDT	Toggle Switch	E-Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
45	1	SW2	71BF30	Rotary Switch	Grayhill	71BDF30-03-1-AJS	Grayhill	71BDF30-03-1-AJS
46	1	SW1	SPDT	Toggle Switch	E-Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
47	1	T1	LL1538XL	Input Transformer	Lundahl	LL1538XL	Lundahl	LL1538XL

48	1	T2	CMOB-2H	Output Transformer	CineMag	CMOB-2H	Cinemag	CMOB-2H
49	2	U1,U2	AD797AN	Op-Amp	Analog Devices	AD797AN	Digi-Key	AD797AN-ND
50	1	U3	LT1013CP	Dual Op-Amp	Texas Instruments	LT1013CP	Digi-Key	296-1399-5-ND
51	1	U4	LM317	Voltage Regulator, Positive	National	LM317TNS	Digi-Key	LM317TNS-ND
52	1	U5	LM337	Voltage Regulator, Negative	National	LM337TNS	Digi-Key	LM337TNS-ND
53	1	U6	LM78L12	Voltage Regulator, Positive	National	LM78L12ACZ	Digi-Key	LM78L12ACZ-ND
54	1	U7	LM79L12	Voltage Regulator, Negative	National	LM320LZ-12	Digi-Key	LM320LZ-12
55	2	L1,L2	JT-OLI-3	Load Isolator	Jensen	JT-OLI-3	Jensen	JT-OLI-3
56	14			Socket	Mill-Max	0328-0-15-01-3427100	Digi-Key	ED5017-ND
57	2			Socket	Mill-Max	110-44-308-41-001000	Digi-Key	ED90048-ND
58	2			Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
59	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
60	6		#4-40 x 1/4"	Pan head machine screw, trilobe		Machine screw	Olander	4C25PPWZZ
61	2		#4-40 x 1"	Pan head machine screw		Machine screw	Olander	4C100PPMZR
62	2			1/8" Nylon spacer		Nylon spacer	Olander	4N12RS4N
63	4		#4-40	Kepps nut		Kepps nut	Olander	4CKNTZR
64	1			PCB	AC		SCA	