

# SCA A12 Bill of Material

Item	Qty	Ref	Value	Description	Manufacturer	Man's Number	Source	Cat Number
1	3	C11, C14, C17	.1uF	104K X7R 100	Panasonic	ECU-S2A104KBA	Digi-Key	P4910-ND
2	1	C7	120pF	121J C0G 50	Panasonic	ECU-S1H121JCA	Digi-Key	P4926-ND
3	2	C10, C13	1500uF/50V	Radial Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key	P7468-ND
4	1	C8	1uF/50V	Metal Film	Panasonic	ECQ-V1H105JL	Digi-Key	P4675-ND
5	1	C16	220uF/50V	Radial Electrolytic	Panasonic	EEU-FC1H221	Digi-Key	P10326-ND
6	1	C1	22pF	220J C0G 50	Panasonic	ECU-S2A220JCA	Digi-Key	P4841-ND
7	2	C4, C5	22uF/35V	Tantalum	Kemet	T356K226K035AS	Digi-Key	399-1362-ND
8	1	C3	470uF/10V	Radial Electrolytic	Panasonic	EEU-FC1A471	Digi-Key	P10221-ND
9	2	C12, C15	47uF/50V	Radial Electrolytic	Panasonic	EEU-FC1H470	Digi-Key	P10321-ND
10	1	CONN1		XLR-Female	Neutrik	NC3FBHR-2	Brill	NC3FBHR-2
11	1	CONN2		XLR-Male	Neutrik	NC3MBHR	Brill	NC3MBHR
12	1	J7		Header	Molex	26-60-4060	Digi-Key	WM4624-ND
13	1			Housing	Molex	09-50-8061	Digi-Key	WM2126-ND
14	6			Contacts	Molex	08-50-0106	Digi-Key	WM2300-ND
15	1	D1		LED	Lumex	SSL-LX5093HD	Digi-Key	67-1102-ND
16	6	D2, D3, D4, D5, D6, D7		Diode	General Semi	1N4002	Digi-Key	1N4002GICT-ND
17	1	J1, J2, J5, J6		2 way Pin Header	Molex	22-28-4020	Digi-Key	WM6402-ND
18	2	J3, J4		3 way Pin Header	Molex	22-28-4030	Digi-Key	WM6403-ND
19	3			Shorting jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
20	0	L1, L2		Load Isolator	Jensen	JT-OLI-3	Jensen	JT-OLI-3
21	2	R26, R30	118	BRN-BRN-GRY-BLK-BRN	Yageo	MFR-25FBF-118R	Digi-Key	118XBK-ND
22	1	R9	97R6	WHT-VIO-BLU-GLD-BRN	Yageo	MFR-25FBF-97R6	Digi-Key	97.6XBK-ND
23	1	R8	174	BRN-VIO-YEL-BLK-BRN	Yageo	MFR-25FBF-174R	Digi-Key	174XBK-ND
24	1	R7	309	ORN-BLK-WHT-BLK-BRN	Yageo	MFR-25FBF-309R	Digi-Key	309XBK-ND
25	1	R22	604	BLU-BLK-YEL-BLK-BRN	Yageo	MFR-25FBF-604R	Digi-Key	604XBK-ND
26	1	R3	6K04	BLU-BLK-YEL-BRN-BRN	Yageo	MFR-25FBF-6K04	Digi-Key	6.04KXBK-ND
27	2	R20, R21	100K	BRN-BLK-YEL-GLD	Yageo	CFR-25JB-100K	Digi-Key	100KQBK-ND
28	1	R16	10K	Potentiometer	Bourns	91A1A-B24-B15	Digi-Key	91A1A-B24-B15-ND
29	1	R19	10K	Potentiometer	Bourns	3296Y-1-103	Digi-Key	3296Y-103-ND
30	1	R10	7K50	VIO-GRN-BLK-BRN-BRN	Yageo	MFR-25FBF-7K50	Digi-Key	7.50KXBK-ND
31	1	R15	10K0	BRN-BLK-BLK-RED-BRN	Yageo	MFR-25FBF-10K0	Digi-Key	10.0KXBK-ND
32	1	R32	150	BRN-GRN-BRN-GLD	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
33	2	R24, R28	15K	BRN-GRN-ORN-GLD	Yageo	CFR-25JB-15K	Digi-Key	15KQBK-ND
34	2	R25, R29	1K	Potentiometer	Bourns	3296Y-1-102	Digi-Key	3296Y-102-ND
35	1	R2	7K68	VIO-BLU-GRY-BRN-BRN	Yageo	MFR-25FBF-7K68	Digi-Key	7.68KXBK-ND
36	1	R14	562	GRN-BLU-RED-BLK-BRN	Yageo	MFR-25FBF-562R	Digi-Key	562XBK-ND
37	2	R27, R31	1K24	BRN-RED-YEL-BRN-BRN	Yageo	MFR-25FBF-1K24	Digi-Key	1.24KXBK-ND
38	1	R4	10K7	BRN-BLK-VIO-RED-BRN	Yageo	MFR-25FBF-10K7	Digi-Key	10.7KXBK-ND
39	1	R13	1K02	BRN-BLK-RED-BRN-BRN	Yageo	MFR-25FBF-1K02	Digi-Key	1.02KXBK-ND
40	2	R17, R18	22K	RED-RED-ORG-GLD	Yageo	CFR-25JB-22K	Digi-Key	22KQBK-ND
41	1	R5	19K6	BRN-WHT-BLU-RED-BRN	Yageo	MFR-25FBF-19K6	Digi-Key	19.6KXBK-ND
42	1	R12	1K91	BRN-WHT-BRN-BRN-BRN	Yageo	MFR-25FBF-1K91	Digi-Key	1.91KXBK-ND
43	1	R6	34K0	ORN-YEL-BLK-RED-BRN	Yageo	MFR-25FBF-34K0	Digi-Key	34.0KXBK-ND

44	1	R11	3K65	ORN-BLU-GRN-BRN-BRN	Yageo	MFR-25FBF-3K65	Digi-Key	3.65KXBK-ND
45	2	R33, R34	6K65	BLU-BLU-GRN-BRN-BRN	Yageo	MFR-25FBF-6K65	Digi-Key	6.65KXBK-ND
46	1	R1	9K76	WHT-VIO-BLU-BRN-BRN	Yageo	MFR-25FBF-9K76	Digi-Key	9.76KXBK-ND
47	1	SW1		SPDT Switch	E-Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
48	1	SW2		Rotary Switch	Grayhill	71BDF30-02-1-AJS	Grayhill	71BDF30-02-1-AJS
49	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
50	1	T1a		Input transformer	CineMag	CMMI-8-PCA	CineMag	CMMI-8-PCA
51	1	T2		Output transformer	CineMag	CMOQ-2S	CineMag	CMOQ-2S
52	0	U1		Op-Amp	SCA	SC25	SCA	SC25KA
53	1	U2		Voltage Regulator, Pos	National	LM317T	Digi-Key	LM317TNS-ND
54	1	U3		Voltage Regulator, Neg	National	LM337T	Digi-Key	LM337TNS-ND
55	7			Pin Socket	Mill-Max	0328-0-15-01-3427100	Digi-Key	ED5017-ND
56	2			Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
57	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
58	2		#4-40 x 1"	Pan head machine screw			Olander	4C100PPMZZ
59	6		#4-40 x 1/4"	Pan head machine screw, trilobe			Olander	
60	4		#4-40	Kepps nut			Olander	
61	2			1/8" Nylon spacer			Olander	
62	1			PCB	SCA		SCA	