SCA A12 Bill of Material

Rev 1.6

Item	Qty	Ref	Value	Description	Manufacturer	Man's Number	Source	Cat Number
1	1	C1	22pF	220J C0G Ceramic	Panasonic	ECU-S2A220JCA	Digi-Key	P4841-ND
2	0	C2	220pF	221J C0G Ceramic	Kemet	C315C221J1G5TA	Digi-Key	0
3	1	C6	120pF	121J C0G Ceramic	Panasonic	ECU-S1H121JCA	Digi-Key	P4926-ND
4	0	C7	100pF	101J C0G Ceramic	Kemet	C315C101J2G5TA	Digi-Key	399-4141-ND
5	3	C20, C21, C22	470pF	471J C0G Ceramic	Kemet	C315C471J1G5TA	Digi-Key	399-4182-ND
6	4	C11, C12, C14, C15, C18, C19	.1uF	104K X7R Ceramic	Kemet	C315C104M5U5TA	Digi-Key	399-4151-ND
7	1	C8, C9	470nF	474 Polyester Film	Panasonic	ECQ-V1H474JL	Digi-Key	P4671-ND
8	2	C4, C5	22uF/35V	Tantalum	Kemet	T356K226K035AT	Digi-Key	399-3670-ND
9	2	C16, C17	100uF/63V	Aluminum Electrolytic	Panasonic	EEU-FC1J101	Digi-Key	P10342-ND
10	1	C3	470uF/10V	Radial Electrolytic	Panasonic	EEU-FC1A471	Digi-Key	P10221-ND
11	2	C10, C13	1500uF/50V	Radial Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key	P7468-ND
12	1	CONN1		XLR-Female	Neutrik	NC3FBHR-2	Brill	NC3FBHR-2
13	1	CONN2		XLR-Male	Neutrik	NC3MBHR	Brill	NC3MBHR
14	1	J7		Header	Molex	26-60-4060	Digi-Key	WM4624-ND
15	1			Housing	Molex	09-50-8061	Digi-Key	WM2126-ND
16	6			Contacts	Molex	08-50-0106	Digi-Key	WM2300-ND
17	1	D1		LED	Lumex	SSL-LX5093HD	Digi-Key	67-1102-ND
18	7	D2, D3, D4, D5, D6, D7, D8		Diode	General Semi	1N4002	Digi-Key	1N4002GICT-ND
19	1	J1, J2, J5, J6		2 way Pin Header	Molex	22-28-4020	Digi-Key	WM6402-ND
20	2	J3, J4		3 way Pin Header	Molex	22-28-4030	Digi-Key	WM6403-ND
21	3			Shorting jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
22	0	L1, L2		Load Isolator	Jensen	JT-OLI-3	Jensen	JT-OLI-3
23	3	L1, L2, R19	0	Black	Yageo	ZOR-25-B	Digi-Key	0.0QBK-ND
24	1	Q1	MPSA06	NPN Bipolar	Fairchild	MPSA06	Mouser	512-MPSA06
25	1	Q2	MPSA56	PNP Bipolar	Fairchild	MPSA56	Mouser	512-MPSA56
26	1	R1	562	Green-Blue-Red-Black-Brown	Yageo	MFR-25FBF-562R	Digi-Key	562XBK-ND
27	1	R2	1K02	Brown-Black-Red-Brown-Brown	Yageo	MFR-25FBF-1K02	Digi-Key	1.02KXBK-ND
28	1	R3	1K91	Brown-White-Brown-Brown-Brown	Yageo	MFR-25FBF-1K91	Digi-Key	1.91KXBK-ND
29	1	R4	3K65	Orange-Blue-Green-Brown-Brown	Yageo	MFR-25FBF-3K65	Digi-Key	3.65KXBK-ND
30	1	R5	7K50	Violet-Green-Black-Brown-Brown	Yageo	MFR-25FBF-7K50	Digi-Key	7.50KXBK-ND
31	1	R6	34K0	Orange-Yellow-Black-Red-Brown	Yageo	MFR-25FBF-34K0	Digi-Key	34.0KXBK-ND
32	1	R7	19K6	Brown-White-Blue-Red-Brown	Yageo	MFR-25FBF-19K6	Digi-Key	19.6KXBK-ND
33	1	R8	10K7	Brown-Black-Violet-Red-Brown	Yageo	MFR-25FBF-10K7	Digi-Key	10.7KXBK-ND
34	1	R9	6K04	Blue-Black-Yellow-Brown-Brown	Yageo	MFR-25FBF-6K04	Digi-Key	6.04KXBK-ND
35	1	R10	7K68	Violet-Blue-Gray-Brown-Brown	Yageo	MFR-25FBF-7K68	Digi-Key	7.68KXBK-ND
36	1	R11	97R6	White-Violet-Blue-Gold-Brown	Yageo	MFR-25FBF-97R6	Digi-Key	97.6XBK-ND
37	1	R12	174	Brown-Violet-Yellow-Black-Brown	Yageo	MFR-25FBF-174R	Digi-Key	174XBK-ND
38	1	R13	309	Orange-Black-White-Black-Brown	Yageo	MFR-25FBF-309R	Digi-Key	309XBK-ND
39	2	R14, R15	22K	Red-Red-Orange-Gold	Yageo	CFR-25JB-22K	Digi-Key	22KQBK-ND
40	3	R17, R18, R34	100K	Brown-Black-Yellow-Gold	Yageo	CFR-25JB-100K	Digi-Key	100KQBK-ND
41	0	R19, R20	1M00	Brown-Black-Black-Yellow-Brown	Yageo	MFR-25FBF-1M00	Digi-Key	1.00MXBK-ND
42	1	R21	9K76	White-Violet-Blue-Brown-Brown	Yageo	MFR-25FBF-9K76	Digi-Key	9.76KXBK-ND
43	0	R22	100	Brown-Black-Black-Black-Brown	Yageo	MFR-25FBF-100R	Digi-Key	100XBK-ND
44	2	R23, R35	10K0	Brown-Black-Black-Red-Brown	Yageo	MFR-25FBF-10K0	Digi-Key	10.0KXBK-ND
45	2	R26, R30	118	Brown-Brown-Gray-Black-Brown	Yageo	MFR-25FBF-118R	Digi-Key	118XBK-ND

46	2	R27, R31	1K24	Brown-Red-Yellow-Brown-Brown	Yageo	MFR-25FBF-1K24	Digi-Key	1.24KXBK-ND
47	2	R28, R32	15K	Brown-Green-Orange-Gold	Yageo	CFR-25JB-15K	Digi-Key	15KQBK-ND
48	1	R33	150	Brown-Green-Brown-Gold	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
49	2	R36, R37	6K65	55D 6K65 B	IRC	RC55LF-D-6K65-B-B	Mouser	66-RC55LF-D-6.65K
50	1	R38	604	Blue-Black-Yellow-Black-Brown	Yageo	MFR-25FBF-604R	Digi-Key	604XBK-ND
51	1	R16	10K	Potentiometer	Bourns	3296Y-1-103LF	Digi-Key	3296Y-103LF-ND
52	2	R25, R29	1K	Potentiometer	Bourns	3296Y-1-102LF	Digi-Key	3296Y-102LF-ND
53	1	R24	10K	Potentiometer	Bourns	91A1A-B24-B15L	Digi-Key	91A1A-B24-B15L-ND
54	1	SW1		Rotary Switch	Grayhill	71BDF30-02-1-AJS	Grayhill	71BDF30-02-1-AJS
55	1	SW2		SPDT Switch	E-Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
56	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
57	1	T1a		Input transformer	CineMag	CMMI-8-PCA	CineMag	CMMI-8-PCA
58	1	T2		Output transformer	CineMag	CMOQ-2S	CineMag	CMOQ-2S
59	0	U1		Op-Amp	SCA	SC25	SCA	SC25KA
60	0	U2	AD797AN	Op-Amp	Analog Devices	AD797AN	Digi-Key	AD797AN-ND
61	0	U3	LT1013CP	Dual Op-Amp	Texas Instruments	LT1013CP	Digi-Key	296-1399-5-ND
62	1	U4		Voltage Regulator, Pos	National	LM317T	Digi-Key	LM317TNS-ND
63	1	U5		Voltage Regulator, Neg	National	LM337T	Digi-Key	LM337TNS-ND
64	0	U6	LM78L12	Voltage Regulator, Positive	National	LM78L12ACZ	Digi-Key	LM78L12ACZ-ND
65	0	U7	LM79L12	Voltage Regulator, Negative	National	LM320LZ-12	Digi-Key	LM320LZ-12
66	7			Pin Socket	Mill-Max	0328-0-15-15-34-27-10-0	Digi-Key	ED90082-ND
67	2			Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
68	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
69	2		#4-40 x 1"	Pan head machine screw			Olander	4C100PPMZR
70	6		#4-40 x 1/4"	Pan head machine screw, trilobe			Olander	4C25PPWZZ
71	4		#4-40	Kepps nut			Olander	4CKNTZR
72	2			1/8" Nylon spacer			Olander	4N12RS4N
73	1			PCB	SCA		SCA	