SCA A12-500 Bill of Material

Rev 1.0

Item	Qty	Ref	Value	Description	Manufacturer	Man's Number		
1	1	C7	22pF	C0G Ceramic	Kemet	C315C220J2G5TA		
2	1	C6	33pF	C0G Ceramic	Kemet	C315C330J2G5TA		
3	3	C3, C20, C21	100pF	C0G Ceramic	Kemet	C315C101J2G5TA		
4	1	C1	120pF	C0G Ceramic	Kemet	C315C121J1G5TA		
5	1	C4	150pF	C0G Ceramic	Kemet	C315C151J2G5TA		
6	1	C2	220pF	C0G Ceramic	Kemet	C315C221J1G5TA		
7	4	C10, C11, C12, C13	.1uF	X7R Ceramic	Kemet	C315C104M5U5TA		
8	2	C8, C9	100uF/35V	Radial Electrolytic	Panasonic	EEU-FC1V101		
9	2	C18, C19	100uF/63V	Radial Electrolytic	Panasonic	EEU-FC1J101L		
10	1	C5	470uF/10V	Radial Electrolytic	Panasonic	EEU-FC1A471		
11	1	C16	1000uF/35V	Radial Electrolytic	Nichicon	UHE1V102MHD		
12	2	C101, C102	1000pF/2KV	Suppression Cap	Vishay	S102M33Z5UR63L6R		
13	6	D1-D6	1N4148	Glass Diode	Onsemi	1N4148		
14	3	D11, D13-D14	1N4002	Diode	General Semi	1N4002		
15	4	L1, L2, L3, L4	Blue	RF Filters	Bourns	EMI-102		
16	1	L101	4.7uH	Shielded Inductor	Bourns	CM322522-4R7JL		
17	2	Q1, Q4	MPSA18	Matched Pair	Fairchild	MPSA18		
18	5	Q2, Q5, Q7, Q8, Q10	PN2484	NPN Bipolar Transistor	Fairchild	PN2484		
19	4	Q3, Q6, Q9, Q11	PN4250A	PNP Bipolar Transistor	Fairchild	PN4250A		
20	1	Q12	MJE182	NPN Bipolar Transistor	Onsemi	MJE182		
21	1	Q13	MJE172	PNP Bipolar Transistor	Onsemi	MJE172		
22	1	Q14	MPSA06	NPN Bipolar Transistor	Fairchild	MPSA06		
23	2	R29, R30	3R9	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3.9R		
24	2	R50, R51	10	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10R		
25	1	R26	56	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-56R		
26	1	R11	91	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-91R		
27	1	R28	100	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-100R		
28	1	R37	150	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-150R		
29	1	R12	162	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-162R		
30	1	R14	287	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-287R		
31	1	R25	300	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-300R		
32	1	R9	523	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-523R		
33	1	R8	953	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-953R		
34	2	R18, R23	1K00	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-1K00		
35	1	R6	1K74	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-1K74		
36	3	R15, R16, R20	3K00	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3K00		
37	1	R5	3K32	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3K32		
38	1	R22	6K04	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K04		
39	2	R40, R41	6K65	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K65		
40	1	R3	6K81	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K81		
41	1	R24	7K68	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-7K68		
42	1	R27	9K76	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-9K76		
43	2	R2, R39	10K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10K0		
44	1	R21	10K7	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10K7		
45	1	R35	15K	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-15K		
46	1	R19	19K6	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-19K6		
47	1	R17	34K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-34K0		
48	3	R7, R10, R13	36K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-36K0		
49	1	R38	100K	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-100K		
50	1	R1	10K	Potentiometer	Bourns	91A1A-B24-B15L		
51	1	SW1		Rotary Switch	Grayhill	71BDF30-02-1-AJS		
52	1	SW2		SPDT Switch	E-Switch	100AWSP1T2B4M7RE		
53	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE		
54	1	T1		Input transformer	CineMag	CMMI-8-PCA		
55	1	T2		Output transformer	CineMag	CMOQ-2S		
56	1	U1		DC-DC Converter	CUI	PDQE10-Q24-D24-D		
57	2	HARDWARE		Fluted Knob	Cosmo	39-7747-001-00-3-10		
58	1	HARDWARE		500 Tray	SCA			
59	1	HARDWARE		500 Cover	SCA			
60	1	HARDWARE		A12-500 Faceplate	SCA			
61	8	HARDWARE	#4-40 x 1/8"	Flat head machine screw	MISC			
62	2	HARDWARE	#4-40 x 1"	Cap head machine screw	MISC			
63	4	HARDWARE	#4-40	Kepps nut	MISC			
64	4	HARDWARE	#4-40 x 3/16"	HEX STANDOFF #4-40 ALUM 3/16"	MISC			
65	2	HARDWARE		1/16" Nylon spacer	MISC			
66	4	HARDWARE	#4-40 x 1-1/16"	1/4 HEX X 1-1/16" LENGTH Spacer	MISC			
67	2	HARDWARE	#4-40 x 1/4"	Cap head machine screw	MISC			