

SCA A12-500 Bill of Material

Rev 1.0

Item	Qty	Ref	Value	Description	Manufacturer	Man's Number
1	1	C7	22pF	COG Ceramic	Kemet	C315C220J2G5TA
2	1	C6	33pF	COG Ceramic	Kemet	C315C330J2G5TA
3	3	C3, C20, C21	100pF	COG Ceramic	Kemet	C315C101J2G5TA
4	1	C1	120pF	COG Ceramic	Kemet	C315C121J1G5TA
5	1	C4	150pF	COG Ceramic	Kemet	C315C151J2G5TA
6	1	C2	220pF	COG 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	C14, C15	22uF/35V	Radial Electrolytic	Panasonic	EEU-FC1V220
10	2	C18, C19	100uF/63V	Radial Electrolytic	Panasonic	EEU-FC1J101L
11	1	C5	470uF/10V	Radial Electrolytic	Panasonic	EEU-FC1A471
12	1	C16	1000uF/35V	Radial Electrolytic	Nichicon	UHE1V102MHD
13	2	C101, C102	1000pF/2KV	Suppression Cap	Vishay	S102M33Z5UR63L6R
14	6	D1-D6	1N4148	Glass Diode	Onsemi	1N4148
15	3	D11, D13-D14	1N4002	Diode	General Semi	1N4002
16	4	L1, L2, L3, L4	Blue	RF Filters	Bourns	EMI-102
17	1	L101	4.7uH	Shielded Inductor	Bourns	CM322522-4R7JL
18	2	Q1, Q4	MPSA18	Matched Pair	Fairchild	MPSA18
19	5	Q2, Q5, Q7, Q8, Q10	PN2484	NPN Bipolar Transistor	Fairchild	PN2484
20	4	Q3, Q6, Q9, Q11	PN4250A	PNP Bipolar Transistor	Fairchild	PN4250A
21	1	Q12	MJE182	NPN Bipolar Transistor	Onsemi	MJE182
22	1	Q13	MJE172	PNP Bipolar Transistor	Onsemi	MJE172
23	1	Q14	MPSA06	NPN Bipolar Transistor	Fairchild	MPSA06
24	2	R29, R30	3R9	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3.9R
25		R50, R51	10	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10R
26	1	R26	56	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-56R
27	1	R11	91	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-91R
28	1	R28	100	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-100R
29	1	R37	150	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-150R
30	1	R12	162	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-162R
31	1	R14	287	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-287R
32	1	R25	300	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-300R
33	1	R9	523	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-523R
34	1	R8	953	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-953R
35	2	R18, R23	1K00	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-1K00
36	1	R6	1K74	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-1K74
37	3	R15, R16, R20	3K00	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3K00
38	1	R5	3K32	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-3K32
39	1	R22	6K04	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K04
40	2	R40, R41	6K65	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K65
41	1	R3	6K81	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K81
42	1	R24	7K68	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-7K68
43	1	R27	9K76	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-9K76
44	2	R2, R39	10K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10K0
45	1	R21	10K7	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10K7
46	1	R35	15K	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-15K
47	1	R19	19K6	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-19K6
48	1	R17	34K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-34K0
49	3	R7, R10, R13	36K0	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-36K0
50	1	R38	100K	Carbon or Metal Film Resistor 1/4W	Yageo	CFR-25JB-100K
51	1	R1	10K	Potentiometer	Bourns	91A1A-B24-B15L
52	1	SW1		Rotary Switch	Grayhill	71BDF30-02-1-AJS
53	1	SW2		SPDT Switch	E-Switch	100AWSP1T2B4M7RE
54	1	SW3		DPDT Switch	E-Switch	100AWDP1T2B4M7RE
55	1	T1		Input transformer	CineMag	CMMI-8-PCA
56	1	T2		Output transformer	CineMag	CMOQ-2S
57	1	U1		DC-DC Converter	CUI	PDQE10-Q24-D24-D
58	2	HARDWARE		Fluted Knob	Cosmo	39-7747-001-00-3-10
59	1	HARDWARE		500 Tray	SCA	
60	1	HARDWARE		500 Cover	SCA	
61	1	HARDWARE		A12-500 Faceplate	SCA	
62	8	HARDWARE	#4-40 x 1/8"	Flat head machine screw	MISC	
63	2	HARDWARE	#4-40 x 1"	Cap head machine screw	MISC	
64	4	HARDWARE	#4-40	Kepps nut	MISC	
65	4	HARDWARE	#4-40 x 3/16"	HEX STANDOFF #4-40 ALUM 3/16"	MISC	
66	2	HARDWARE		1/16" Nylon spacer	MISC	
67	4	HARDWARE	#4-40 x 1-1/16"	1/4 HEX X 1-1/16" LENGTH Spacer	MISC	
68	4	HARDWARE	#4-40 x 1/4"	Cap head machine screw	MISC	