SCA N72-500 Bill of Material								Rev 2.1
Item	Qty	Ref	Value	Marking	Description	Manufacturer	Manufacturer's No	
1	4	C1, C7, C27, C32	100pF	101 J	C0G Ceramic	Kemet	C315C101J2G5TA	
2	1	C17	220pF	221 J	C0G Ceramic	Kemet	C315C221J1G5TA	
3	1	C19	330pF	331 J	C0G Ceramic	Kemet	C315C331J1G5TA	
4	1	C9	680pF	681 J	C0G Ceramic	Kemet	C315C681J1G5TA	
5	1	C13	1000pF	102 J	C0G Ceramic	Kemet	C320C102J1G5TA	
6	1	C8	1500pF	152 J	C0G Ceramic	Kemet	C320C152J1G5TA	
7	1	C18	4700pF	472 K	X7R Ceramic	Kemet	C315C472K5R5TA	
8	1	C4	.01uF	103 K	X7R Ceramic	Kemet	C315C103K1R5TA	
9	2	C2, C25	0.1uF	104 K	X7R Ceramic	Kemet	C320C104K5R5TA	
10	4	C6, C12, C14, C16	22uF/16V	22,616	Tantalum Electrolytic	Kemet	T350F226K016AT	
11	1	C31	22uF/35V	22,635	Tantalum Electrolytic	Kemet	T356K226K035AT	
12	1	C10	22uF/25V	22uF 25V	Radial Electrolytic	Panasonic	EEA-FC1E220	
13	2	C23, C24	22uF/35V	22uf 35V	Radial Electrolytic	Panasonic	EEU-FC1V220	
14	2	C20, C21	82uF/25V	82uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E820	
15	1	C5	100uF/25V	100uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E101S	
16	2	C29, C30	100uF/63V	100uF 63V	Radial Electrolytic	Panasonic	EEU-FC1J101L	
17	1	C11	150uF/6.3V	150uF 6.3V	Radial Electrolytic	Panasonic	EEU-FC0J151	
18	1	C15	470uF/10V	470uF 10V	Radial Electrolytic	Panasonic	EEU-FC1A471	
19	1	C3	470uF/25V	470uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E471	
20	4	C22, C26, C28, C33	100uF/35V	100uF 35V	Radial Electrolytic	Panasonic	EEU-FC1V101	
21	4	L3 - L6	1000pF	C102	Filter	Bourns	EMI102T-RC	
22	1	R20	0	Black	Zero-ohm Jumper	Yageo	ZOR-25-B-52	
23	1	R44	10	Brown-Black-Black-Gold-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-10R	
24	1	R7	27	Red-Violet-Black-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-27R	
25	1	R6	56	Green-Blue-Black-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-56R	
26	1	R9	120	Brown-Red-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-120R	
27	1	R10	147	Brown-Yellow-Violet-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-147R	
28	1	R45	150	Brown-Green-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-150R	
29	2	R16, R43	200	Red-Black-Black-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-200R	
30	1	R14	270	Red-Violet-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-270R	
31	1	R13	316	Orange-Brown-Blue-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-316R	
32	1	R8	330	Orange-Orange-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-330R	
33	2	R2, R30	390	Orange-White-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-390R	
34	1	R26	470	Yellow-Violet-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-470R	
35	1	R1	499	Yellow-White-White-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-499R	
36	1	R49	604	Blue-Black-Yellow-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-604R	
37	1	R3	680	Blue-Gray-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-680R	
38	1	R12	825	Gray-Red-Green-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-825R	
39	2	R4, R36	1K2	Brown-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K2	
40	2	R17, R27	1K5	Brown-Green-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K5	
41	2	R32, R41	1K74 PCB says 1K72	Brown-Violet-Yellow-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-1K74	
42	1	R31	1K8	Brown-Gray-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K8	
43	3	R5, R29, R33	2K2	Red-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-2K2	
44	1	R37	3K3	Orange-Orange-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-3K3	
45	1	R25	5K1	Green-Brown-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-5K1	
46	1	R11	6K34	Blue-Orange-Yellow-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K34	
47	2	R46, R47	6K65	Blue-Blue-Green-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K65	
48	2	R28, R50	10K	Brown-Black-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-10K	
49	2	R18, R42	15K	Brown-Green-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-15K	
50	2	R15, R38	18K	Brown-Gray-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-18K	
51	1	R23	33K	Orange-Orange-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-33K	
52	1	R24	47K	Yellow-Violet-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-47K	
53	1	R34	56K	Green-Blue-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-56K	
54	2	R22, R35	68K	Blue-Gray-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-68K	
55	1	R48	100K	Brown-Black-Yellow-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-100K	
56	1	R21	127K	Brown-Red-Violet-Orange-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-127K	
57	1	R40	47	Yellow-Violet-Black-Gold	Metal Film Resistor 2W	Vishay	5083NW47R00J	
58	1	R39	5K	502	Potentiometer	Bourns	3296Z-1-502LF	
59	1	R19	10K	91A1A-B24-D15L	Potentiometer	Bourns	91A1A-B24-D15L	
60	5	Q1 - Q5	BC184C	BC184C	NPN Bipolar	Fairchild	BC184C	
61	1	Q6	2N3055	2N3055	NPN Power	On Semi	2N3055G	
62	1	Q7	MPSA06	A06	NPN Bipolar	Fairchild	MPSA06	
63	8	D1, D2, D3, D4, D5, D7, D8, D10	1N4002	1N4002	Diode	General Semi	1N4002-E3/54	
64	1	U1	LM317	LM317	Positive Adj. Voltage Regulator	National	LM317T	
65	1	U2	LM337	LM337	Negative Adj. Voltage Regulator	National	LM337T	
66	1	Q6		TO-3 Heatsink	TO-3 Heatsink	Aavid	501503B00000	
67	1	CONN3		2-Pin Header	2-Pin Header	Molex	22-28-4020	
68	1	CONN3		Shorting jumper	Shorting jumper	Sullins	STC02SYAN	

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Item	**Qty**	**Ref**	**Value**	**Marking**	**Description**	**Manufacturer**	**Manufacturer's No**	
69	1	J10			Card edge contacts - part of PCB, nothing to fit			
70	1	SW1	71BDF30-03-1-AJS	71BDF30-03-1-AJS	3-Deck Rotary Switch	Grayhill	71BDF30-03-1-AJS	
71	1	SW2	SW_SPDT	SPDT Toggle Switch	SPDT Toggle Switch	C&K	7101MD9AV2QE	
72	2	SW3, SW4	SW_DPDT	DPDT Toggle Switch	DPDT Toggle Switch	C&K	7201MD9AV2QE	
73	2	HARDWARE	Fluted Knob	Fluted Knob	Fluted Knob	SCA		
74	1	T1		VTB9045	Input Transformer	Carnhill	VTB9045	
75	1	T2		VTB1847	Output Transformer	Carnhill	VTB1847	
		T2 Header		8-pin Molex	8-pin Molex	Molex	26604080	
76	1	HARDWARE		9045-Bracket	Input Transformer Mounting Bracket	SCA	9045-Bracket	
77	1	T1/9045-500 PCB		6-pin header Right Angle	CONN HEADER R/A 6POS 2.54MM	Amphenol	68016-406HLF	
78	1	PCB		9045-500 PCB	Input Transformer Adapter PCB			
79	1	PCB		N72-500 PCB	Main N72-500 PCB			
80	2	HARDWARE		#4-40 x 1/4"	Pan head machine screw			
81	4	HARDWARE		#4-40 x 1 1/4"	Pan head machine screw			
82	6	HARDWARE		#4-40	Keps nut			
83	2	HARDWARE		#6-32 x 3/8"	Pan head machine screw			
84	2	HARDWARE		#6-32	Keps nut			
85	2	HARDWARE		#4-48 x 1/4" (input xfmr)	Pan head machine screw			
86	1	HARDWARE		500 Tray	SCA			
87	1	HARDWARE		500 Cover	SCA			
88	1	HARDWARE		N72-500 Faceplate	SCA			
89	8	HARDWARE		#4-40 x 1/8"	Flat head machine screw	MISC		
90	4	HARDWARE		#4-40 x 3/16"	HEX STANDOFF #4-40 ALUM 3/16"	MISC		
91	4	HARDWARE		#4-40 x 1-1/16"	1/4 HEX X 1-1/16" LENGTH Spacer	MISC		
92	4	HARDWARE		1/16" Nylon Spacer	1/16" Nylon Spacer	MISC		