

SCA N72-500 Bill of Material

Rev. 1.0

Item	Qt	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, C23	0.1uF	104 K	X7R Ceramic	Kemet	C320C104K5R5TA
10	4	C6, C12, C14, C16	22uF/16V	22,616	Tantalum Electrolytic	Kemet	T350F226K016AT
11	1	C106	22uF/35V	22.635	Tantalum Electrolytic	Kemet	T356K226K035AT
12	1	C10	22uF/25V	22uF 25V	Radial Electrolytic	Panasonic	EEA-FC1E220
13	1	C25	22uF/35V	22uf 35V	Radial Electrolytic	Panasonic	EEU-FC1V220
14	2	C20, C21	82uF/25V	82uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E820
15	1	C2	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	1	C24	1000uF/50V	1000uF 50V	Radial Electrolytic	Panasonic	EEU-FM1H102
20	1	C104	1000pF/2000V	1000pF/2000V	Suppression Cap	Vishay	S102M33Z5UR63L6R
21	4	L3 - L6	1000pF	C102	Filter	Bourns	EMI102T-RC
	1	L101	4.7uH	4.7uH	Shielded Inductor	Bourns	CM322522-4R7JL
22	1	R20	0	Black	Zero-ohm Jumper	Yageo	ZOR-25-B-52
23	1	R16	10	Brown-Black-Black-Black-Gold	Metal Film Resistor 1/4W	Vishay	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	1	R14	270	Red-Violet-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-270R
30	1	R13	316	Orange-Brown-Blue-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-316R
31	1	R8	330	Orange-Orange-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-330R
32	2	R2, R30	390	Orange-White-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-390R
33	1	R26	470	Yellow-Violet-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-470R
34	1	R1	499	Yellow-White-White-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-499R
35	1	R18	604	Blue-Black-Yellow-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-604R
36	1	R3	680	Blue-Gray-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-680R
37	1	R12	825	Gray-Red-Green-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-825R
38	2	R4, R36	1K2	Brown-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K2
39	2	R17, R27	1K5	Brown-Green-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K5
40	1	R31	1K8	Brown-Gray-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K8
41	3	R5, R29, R33	2K2	Red-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-2K2
43	1	R37	3K3	Orange-Orange-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-3K3
44	1	R25	5K1	Green-Brown-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-5K1
45	1	R11	6K34	Blue-Orange-Yellow-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K34
46	2	R46, R47	6K65	Blue-Blue-Green-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K65

47	2	R28, R50	10K	Brown-Black-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-10K	
48	2	R15, R38	18K	Brown-Gray-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-18K	
49	1	R23	33K	Orange-Orange-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-33K	
50	1	R24	47K	Yellow-Violet-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-47K	
51	1	R34	56K	Green-Blue-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-56K	
52	2	R22, R35	68K	Blue-Gray-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-68K	
53	1	R48	100K	Brown-Black-Yellow-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-100K	
54	1	R21	127K	Brown-Red-Violet-Orange-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-127K	
55	1	R40	47	Yellow-Violet-Black-Gold	Metal Film Resistor 2W	Vishay	5083NW47R00J	
57	1	R39	5K	502	Potentiometer	Bourns	3296Y-1-502LF	
58	1	R19	10K	91A1A-B24-D15L	Potentiometer	Bourns	91A1A-B24-D15L	
59	5	Q1 - Q5	BC184C	BC184C	NPN Bipolar	Fairchild	BC184C	
60	1	Q6	2N3055	2N3055	NPN Power	On Semi	2N3055G	
61	1	Q7	MPSA06	NPN Bipolar	NPN Bipolar	Fairchild	MPSA06	
64	3	D2, D4, D5	1N4002	1N4002	Diode	General Semi	1N4002-E3/54	
65	1			TO-3 Heatsink	TO-3 Heatsink	Aavid	501503B00000	
70	3	J2, J5, J6		2-Pin Header	2-Pin Header	Molex	22-28-4020	
73	3	J2, J5, J6		Shorting jumpers	Shorting jumpers	Sullins	STC02SYAN	
74	1	S3	SW_DPDT	DPDT Toggle Switch	DPDT Toggle Switch	E Switch	100AWDP1T2B4M7RE	
75	1	S1	SW_SPDT	SPDT Toggle Switch	SPDT Toggle Switch	E Switch	100AWSP1T2B4M7RE	
76	1	S2	71BDF30-03-1-AJS	71BDF30-03-1-AJS	3-Deck Rotary Switch	Grayhill	71BDF30-03-1-AJS	
77	2				Fluted Knob	Cosmo	39-7747-001-00-3-10	
78	1	T1		VTB9045	Input Transformer	Carnhill	VTB9045	
79	1	T2		VTB1847	Output Transformer	Carnhill	VTB1847	
80	1	HARDWARE			Input Transformer Mounting Bracket			
	1	PCB		9045-500 PCB	Input Transformer Adapter PCB			
84	4	HARDWARE	#4-40 x 1 1/4"	Pan head machine screw	Pan head machine screw			
86	4	HARDWARE	#4-40	Keps nut	Keps nut			
87	2	HARDWARE	#6-32 x 3/8"	Pan head machine screw	Pan head machine screw			
88	2	HARDWARE	#6-32	Keps nut	Keps nut			
89	2	HARDWARE	#4-48 x 1/4"	For the input transformer	Pan head machine screw			
59	1	HARDWARE		500 Tray	SCA			
60	1	HARDWARE		500 Cover	SCA			
61	1	HARDWARE		N72-500 Faceplate	SCA			
62	8	HARDWARE	#4-40 x 1/8"	Flat head machine screw	MISC			
65	4	HARDWARE	#4-40 x 3/16"	HEX STANDOFF #4-40 ALUM 3/16"	MISC			
67	4	HARDWARE	#4-40 x 1-1/16"	1/4 HEX X 1-1/16" LENGTH Spacer	MISC			