

SCA N72 Bill of Material								Rev 3.0
Item	Qty	References	Value	Description	Manufacturer	Manufacturer's No	Source	Catalog No
1	2	C1, C7	100pF	101J C0G Ceramic	Kemet	C315C101J2G5TA	Digi-Key	399-4141-ND
2	1	C2	100uF/25V	Radial Electrolytic	Panasonic	EEU-FC1E101S	Digi-Key	P10269-ND
3	1	C3	470uF/25V	Radial Electrolytic	Panasonic	EEU-FC1E471	Digi-Key	P10275-ND
4	1	C4	.01uF	103 K X7R Ceramic	Kemet	C315C103K5R5TA	Digi-Key	399-4148-ND
5	4	C6, C12, C14, C16	22uF/16V	226 16 Tantalum	Kemet	T350F226K016AT	Digi-Key	399-3574-ND
6	1	C8	1500pF	152 J C0G Ceramic	Kemet	C320C152J1G5TA	Digi-Key	399-4269-ND
7	1	C9	680pF	681 J C0G Ceramic	Kemet	C315C681J1G5TA	Digi-Key	399-4191-ND
8	1	C10	22uF/25V	Radial Electrolytic	Panasonic	EEA-FC1E220	Digi-Key	P11213-ND
9	1	C11	150uF/6.3V	Radial Electrolytic	Panasonic	EEU-FC0J151	Digi-Key	P10196-ND
10	1	C13	1000pF	102J C0G Ceramic	Kemet	C320C102J1G5TA	Digi-Key	399-4257-ND
11	1	C15	470uF/6.3V	Radial Electrolytic	Panasonic	EEU-FC0J471	Digi-Key	P11169-ND
12	1	C17	220pF	221J C0G Ceramic	Kemet	C315C221J1G5TA	Digi-Key	399-4163-ND
13	1	C18	4700pF	472 K X7R Ceramic	Kemet	C315C472K5R5TA	Digi-Key	399-4186-ND
14	1	C19	330pF	331 J C0G Ceramic	Kemet	C315C331J1G5TA	Digi-Key	399-4173-ND
15	2	C20, C21	82uF/25V	Radial Electrolytic	Panasonic	EEU-FC1E820	Digi-Key	P11216-ND
16	1	C23	1500uF/50V	Snap-In Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key	P7468-ND
17	2	C24, C28	0.1uF	104K X7R Ceramic	Kemet	C320C104K5R5TA	Digi-Key	399-4264-ND
18	1	C25	47uF/ 50V	Radial Electrolytic	Panasonic	EEU-FC1H470	Digi-Key	P10321-ND
19	1	C26	22uF/35V	226 35 Tantalum	Kemet	T356K226K035AT	Digi-Key	399-3670-ND
20	2	C29, C30	100uF/ 63V	Radial Electrolytic	Panasonic	EEU-FC1J101	Digi-Key	P10342-ND
21	1	R1	499	Yellow-White-White-Black-Brown	Yageo	MFR-25FBF-499R	Digi-Key	499XBK-ND
22	2	R2, R30	390	Orange-White-Brown-Gold	Yageo	CFR-25JB-390R	Digi-Key	390QBK-ND
23	1	R3	680	Blue-Gray-Brown-Gold	Yageo	CFR-25JB-680R	Digi-Key	680QBK-ND
24	2	R4, R36	1K2	Brown-Red-Red-Gold	Yageo	CFR-25JB-1K2	Digi-Key	1.2KQBK-ND
25	3	R5, R29, R33	2K2	Red-Red-Red-Gold	Yageo	CFR-25JB-2K2	Digi-Key	2.2KQBK-ND
26	1	R6	56	Green-Blue-Black-Gold	Yageo	CFR-25JB-56R	Digi-Key	56QBK-ND
27	1	R7	27	Red-Violet-Black-Gold	Yageo	CFR-25JB-27R	Digi-Key	27QBK-ND
28	1	R8	330	Orange-Orange-Brown-Gold	Yageo	CFR-25JB-330R	Digi-Key	330QBK-ND
29	1	R9	120	Brown-Red-Brown-Gold	Yageo	CFR-25JB-120R	Digi-Key	120QBK-ND
30	1	R10	147	Brown-Yellow-Violet-Black-Brown	Yageo	MFR-25FBF-147R	Digi-Key	147XBK-ND
31	1	R11	6K34	Blue-Orange-Yellow-Brown-Brown	Yageo	MFR-25FBF-6K34	Digi-Key	6.34KXBK-ND
32	1	R12	825	Gray-Red-Green-Black-Brown	Yageo	MFR-25FBF-825R	Digi-Key	825XBK-ND
33	1	R13	316	Orange-Brown-Blue-Black-Brown	Yageo	MFR-25FBF-316R	Digi-Key	316XBK-ND
34	1	R14	270	Red-Violet-Brown-Gold	Yageo	CFR-25JB-270R	Digi-Key	270QBK-ND
35	2	R15, R38	18K	Brown-Gray-Orange-Gold	Yageo	CFR-25JB-18K	Digi-Key	18KQBK-ND
36	1	R16	604	Blue-Black-Yellow-Black-Brown	Yageo	MFR-25FBF-604R	Digi-Key	604XBK-ND
37	2	R17, R27	1K5	Brown-Green-Red-Gold	Yageo	CFR-25JB-1K5	Digi-Key	1.5KQBK-ND
38	1	R19	10K		Bourns	91A1A-B24-D15	Digi-Key	91A1A-B24-D15-ND
39	1	R20	0	Black	Yageo	ZOR-25-B	Digi-Key	0.0QBK-ND
40	1	R21	127K	Brown-Red-Violet-Orange-Brown	Yageo	MFR-25FBF-127K	Digi-Key	127KXBK-ND
41	2	R22, R35	68K	Blue-Gray-Orange-Gold	Yageo	CFR-25JB-68K	Digi-Key	68KQBK-ND
42	1	R23	33K	Orange-Orange-Orange-Gold	Yageo	CFR-25JB-33K	Digi-Key	33KQBK-ND
43	1	R24	47K	Yellow-Violet-Orange-Gold	Yageo	CFR-25JB-47K	Digi-Key	47KQBK-ND
44	1	R25	5K1	Green-Brown-Red-Gold	Yageo	CFR-25JB-5K1	Digi-Key	5.1KQBK-ND
45	1	R26	470	Yellow-Violet-Brown-Gold	Yageo	CFR-25JB-470R	Digi-Key	470QBK-ND
46	1	R28	10K	Brown-Black-Orange-Gold	Yageo	CFR-25JB-10K	Digi-Key	10KQBK-ND
47	1	R31	1K8	Brown-Gray-Red-Gold	Yageo	CFR-25JB-1K8	Digi-Key	1.8KQBK-ND
48	2	R34, R42	56K	Green-Blue-Orange-Gold	Yageo	CFR-25JB-56K	Digi-Key	56KQBK-ND
49	1	R37	3K3	Orange-Orange-Red-Gold	Yageo	CFR-25JB-3K3	Digi-Key	3.3KQBK-ND

50	1	R39	5K	502	Bourns	3296Y-1-502	Digi-Key	3296Y-502-ND
51	1	R40	47	470 J	Panasonic	ERG-1SJ470	Digi-Key	P47W-1BK-ND
52	1	R41	3K9	Orange-White-Red-Gold	Yageo	CFR-50JB-3K9	Digi-Key	3.9KH-ND
53	3	R43, R45, R48	150	Brown-Green-Brown-Gold	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND
54	1	R44	2K7	Red-Violet-Red-Gold-Gold	Yageo	CFR-25JB-2K7	Digi-Key	2.7KQBK-ND
55	2	R46, R47	6K65	55D 6K65 B	IRC	RC55LF-D-6K65-B-B	Mouser	66-RC55LF-D-6.65K
56	5	Q1, Q2, Q3, Q4, Q5	BC184C	NPN Bipolar	Fairchild	BC184C	Mouser	512-BC184C
57	1	Q6	2N3055	NPN Power	On Semi	2N3055G	Digi-Key	2N3055GOS-ND
58	1	U1	LT1085CT	Voltage Regulator	Linear	LT1085CT	Digi-Key	LT1085CT-ND
59	4	D1, D2, D3, D4	1N4002	Diode	General Semi	1N4002-E3/54	Digi-Key	1N4002-E3/54GICT-ND
60	1			TO-3 Heatsink	Aavid	501503B00000	Digi-Key	HS248-ND
61	1			TO-220 Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
62	1	CONN1		XLR F	Neutrik	NC3FBHR-2	Brill	568-NC3FBHR-2
63	1	CONN2		XLR M	Neutrik	NC3MBHR	Brill	568-NC3MBHR
64	1	J1		6-Pin Header	Molex	26-60-4060	Digi-Key	WM4624-ND
65	6			Contacts	Molex	08-50-0106	Digi-Key	WM2300-ND
66	1			Housing	Molex	09-50-8061	Digi-Key	WM2126-ND
67	3	J2, J5, J6		2-Pin Header	Molex	22-28-4020	Digi-Key	WM6402-ND
68	2	J3, J4		3-Pin Header	Molex	22-28-4030	Digi-Key	WM6403-ND
69	5			Shorting jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
70	1	S3	SW_DPD	DPDT Toggle Switch	E Switch	100AWDP1T2B4M7RE	Digi-Key	EG2444-ND
71	1	S1	SW_SPDT	SPDT Toggle Switch	E Switch	100AWSP1T2B4M7RE	Digi-Key	EG2435-ND
72	1	S2	71BDF30-03-1-AJS	3-Deck Rotary Switch	Grayhill	71BDF30-03-1-AJS	Grayhill	71BDF30-03-1-AJS
73	2			Fluted Knob	Cosmo	39-7747-001-00-3-10	Cosmo	39-7747-001-00-3-10
74	1	T1		Input Transformer	Carnhill	VTB9045	Carnhill	VTB9045
75	1	T2		Output Transformer	Carnhill	VTB1847	Carnhill	VTB1847
76	1			Mounting Bracket	Hub		SCA	
77	1			Insulator	PSF		SCA	
78	4		#4-40 x 1 1/4"	Pan head machine screw			Olander	4C125PPMZR
79	5		#4-40 x 1/4"	Pan head machine screw, trilobe			Olander	4C25PPWZZ
80	5		#4-40	Kepps nut			Olander	4CKNTZR
81	2		#6-32 x 3/8"	Pan head machine screw			Olander	6C37PPMZR
82	2		#6-32	Kepps nut			Olander	6CKNTZR
83	2		#4-48 x 1/4"	Pan head machine screw			Olander	4F25PPMS
84	4			1/8" Nylon spacer			Olander	4N12RS4N
85	1		12"	Hookup wire 26 AWG Solid			NTE	WHS26-04-100
86	1		Printed Circuit Board	Printed Circuit Board	AC		SCA	