SCA N72 Bill of Material								Rev 3.2
Item	Qty		Value	Marking	Description	Manufacturer	Manufacturer's No	Source
1	2	C1, C7	100pF	101 J	C0G Ceramic	Kemet	C315C101J2G5TA	Digi-Key
2	1	C17	220pF	221 J	C0G Ceramic	Kemet	C315C221J1G5TA	Digi-Key
3	1	C19	330pF	331 J	C0G Ceramic	Kemet	C315C331J1G5TA	Digi-Key
4	6	C5, C22, C27, C28, C31, C32	470pF	471 J	C0G Ceramic	Kemet	C315C471J1G5TA	Digi-Key
5	1	C9	680pF	681 J	C0G Ceramic	Kemet	C315C681J1G5TA	Digi-Key
6	1	C13	1000pF	102 J	C0G Ceramic	Kemet	C320C102J1G5TA	Digi-Key
7	1	C8	1500pF	152 J	C0G Ceramic	Kemet	C320C152J1G5TA	Digi-Key
8	1	C18	4700pF	472 K	X7R Ceramic	Kemet	C315C472K5R5TA	Digi-Key
9	1	C4	.01uF	103 K	X7R Ceramic	Kemet	C315C103K1R5TA	Digi-Key
10	1	C24	0.1uF	104 K	X7R Ceramic	Kemet	C320C104K5R5TA	Digi-Key
11		C6, C12, C14, C16	22uF/16V	226 16	Tantalum Electrolytic	Kemet	T350F226K016AT	Digi-Key
12	1	C26	22uF/35V	226 35	Tantalum Electrolytic	Kemet	T356K226K035AT	Digi-Key
13	1	C10	22uF/25V	22uF 25V	Radial Electrolytic	Panasonic	EEA-FC1E220	Digi-Key
14		C25	22uF/35V	22uf 35V	Radial Electrolytic	Panasonic	EEU-FC1V220	Digi-Key
15		C20, C21	82uF/25V	82uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E820	Digi-Key
16		C2	100uF/25V	100uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E101S	Digi-Key
17		C29, C30	100uF/63V	100uF 63V	Radial Electrolytic	Panasonic	EEU-FC1J101L	Digi-Key
18		C11	150uF/6.3V	150uF 6.3V	Radial Electrolytic	Panasonic	EEU-FC0J151	Digi-Key
19		C15	470uF/10V	470uF 10V	Radial Electrolytic	Panasonic	EEU-FC1A471	Digi-Key
20		C3	470uF/25V	470uF 25V	Radial Electrolytic	Panasonic	EEU-FC1E471	Digi-Key
21		C23	1500uF/50V	1500uF 50V	Snap-In Electrolytic	Panasonic	ECO-S1HA152BA	Digi-Key
22	1	R20	0	Black	Zero-ohm Jumper	Yageo	ZOR-25-B-52	Digi-Key
23		R49	10	Brown-Black-Black-Gold	Metal Film Resistor 1/4W	Vishay	5073NW10R00J	Mouser
24			27	Red-Violet-Black-Gold	Carbon Film Resistor 1/4W	•	CFR-25JB-27R	Digi-Key
25		R6	56	Green-Blue-Black-Gold	Carbon Film Resistor 1/4W	Yageo Yageo	CFR-25JB-56R	Digi-Key Digi-Key
26		R9	120	Brown-Red-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-120R	Digi-Key
27		R10	147	Brown-Yellow-Violet-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-147R	Digi-Key
			150	Brown-Green-Brown-Gold				
28 29		R43, R45 R14	270	Red-Violet-Brown-Gold	Carbon Film Resistor 1/4W Carbon Film Resistor 1/4W	Yageo	CFR-25JB-150R CFR-25JB-270R	Digi-Key Digi-Key
		R13	316	Orange-Brown-Blue-Black-Brown		Yageo		
30		R8			Metal Film Resistor 1/4W	Yageo	MFR-25FBF-316R	Digi-Key
31			330	Orange-Orange-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-330R	Digi-Key
32		R2, R30	390	Orange-White-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-390R	Digi-Key
33		R26	470	Yellow-Violet-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-470R	Digi-Key
34		R1	499	Yellow-White-White-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-499R	Digi-Key
35		R16	604	Blue-Black-Yellow-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-604R	Digi-Key
36		R3	680	Blue-Gray-Brown-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-680R	Digi-Key
37		R12	825	Gray-Red-Green-Black-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-825R	Digi-Key
38		R4, R36	1K2	Brown-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K2	Digi-Key
39		R17, R27	1K5	Brown-Green-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K5	Digi-Key
40		R31	1K8	Brown-Gray-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-1K8	Digi-Key
41		R5, R29, R33	2K2	Red-Red-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-2K2	Digi-Key
42		R44	2K7	Red-Violet-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-2K7	Digi-Key
43		R37	3K3	Orange-Orange-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-3K3	Digi-Key
44		R25	5K1	Green-Brown-Red-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-5K1	Digi-Key
45		R11	6K34	Blue-Orange-Yellow-Brown-Brown	Metal Film Resistor 1/4W	Yageo	MFR-25FBF-6K34	Digi-Key
46		R46, R47	6K65	55D 6K65 B	Metal Film Resistor 1/4W	IRC	RC55LF-D-6K65-B-B	Mouser
47		R28, R50	10K	Brown-Black-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-10K	Digi-Key
48		R15, R38	18K	Brown-Gray-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-18K	Digi-Key
49		R23	33K	Orange-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-33K	Digi-Key
50	1	R24	47K	Yellow-Violet-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-47K	Digi-Key

52 2 R22, R35 68K Blue-Gray-Orange-Gold Carbon Film Resistor 1/4W Yageo CFR-25IB-86K Dig/-Key 31 1 R848 100K Brown-Betc-Violet-Orange-Brown Carbon Film Resistor 1/4W Yageo CFR-25IB-100K Dig/-Key 54 1 R21 127K Brown-Red-Violet-Orange-Brown Metal Film Resistor 1/4W Yageo MFR-25FB-127K Dig/-Key 55 1 R40 47 Yellow-Violet-Back-Gold Metal Film Resistor 2W Vishay 5083NM/37800.01 Mouser 56 1 R41 3K9 Orange-White-Red-Gold Metal Film Resistor 2W Vishay 5083NM/37800.01 Mouser 57 1 R39 5K 502 Potentioneter Bourns 918-Key 502 Potentioneter Bourns 918-Key 502 Potentioneter Bourns 614C Mouser Mouser 60 1 CO Scill-RED-BACK Mouser 60 1 CO Scill-RED-BACK Mouser 60 1 CO Resided BC14AC Mouser 60 1 CO <				1		T= . =	T	I	T=
1 R48	51			56K	Green-Blue-Orange-Gold	Carbon Film Resistor 1/4W	Yageo	CFR-25JB-56K	Digi-Key
1 R21	52								Digi-Key
1 R40	53								
1	54					Metal Film Resistor 1/4W		MFR-25FBF-127K	Digi-Key
1	55					Metal Film Resistor 2W			
1 R19	56					Metal Film Resistor 2W			
59 5 01 - 05 BC184C BC184C BC184C NPN Bipolar Fairchild BC184C Mouser M	57								
1 06 2N3055 2N3055 2N3055 NPN Power On Semi 2N3055G Digi-Key	58	1	R19		91A1A-B24-D15L	Potentiometer	Bourns	91A1A-B24-D15L	Digi-Key
61 1 Q7 MPSA06 NPN Bjoolar Fairchild MPSA06 Digi-Key 62 1 Q8 MPSA56 PN PB Bpolar PNP Bpolar Fairchild MPSA56 Digi-Key 63 1 U1 LM317T LM317T Voltage Regulator National LM317TNS Digi-Key 64 4 D1, D2, D3, D4 1N4002 1N4002 Diode General Semi 1M4002-E3/54 Digi-Key 65 1 C TO-3 Heatsink Aavid 57502000000 Digi-Key 66 1 C TO-3 Heatsink Aavid 577020800000 Digi-Key 67 1 CONN1 XLR F Neutrik NC3FBHR-2 Brill 68 1 CONN2 XLR F Neutrik NC3FBHR-2 Brill 69 1 J1 Molex 22-26-04060 Digi-Key 71 2 J3, J4 Molex 22-28-4020 Digi-Key 71 2 J3, J4<	59				BC184C	NPN Bipolar			
1 08 MPSA56 PNP Bjpolar PNP Bjpolar Fairchild MPSA56 Digi-Key	60				2N3055	NPN Power			
1	61								
64 4 D1, D2, D3, D4 1N4002 1N4002 1N4002 Diode General Semi 1N4002-E3/54 Digi-Key TO-3 Heatsink Aavid 501503800000 Digi-Key Digi-Key TO-3 Heatsink Aavid 501503800000 Digi-Key Digi-Key TO-220 Heatsink Aavid 501503800000 Digi-Key TO-220 Heatsink Aavid 501503800000 Digi-Key TO-220 Heatsink Aavid 501503800000 Digi-Key TO-220 Heatsink Nashida S01503800000 Digi-Key TO-220 Heatsink Nashida TO-220 Heatsink TO-220 Heatsink Nashida TO-220 Heatsink Nashida TO-220 Heatsink Nashida TO-220 Heatsink Nashida TO-220 Heatsink TO-220 Heatsink Nashida TO-220 Heatsink TO-220 Heatsink Nashida TO-220 Heatsink TO	62	1	Q8	MPSA56	PNP Bipolar	PNP Bipolar	Fairchild		
TO-3 Heatsink	63	1	U1	LM317	LM317T	Voltage Regulator	National	LM317TNS	Digi-Key
TO-220 Heatsink	64	4	D1, D2, D3, D4	1N4002	1N4002	Diode	General Semi	1N4002-E3/54	Digi-Key
CONN1	65	1				TO-3 Heatsink	Aavid	501503B00000	Digi-Key
ALR M	66	1				TO-220 Heatsink	Aavid		Digi-Key
1	67	1	CONN1			XLR F	Neutrik	NC3FBHR-2	Brill
2-Pin Header	68	1	CONN2			XLR M	Neutrik	NC3MBHR	Brill
3-Pin Header	69	1	J1			6-Pin Header	Molex	26-60-4060	Digi-Key
Shorting jumpers Sullins STC02SYAN Digi-Key	70	3	J2, J5, J6			2-Pin Header	Molex	22-28-4020	Digi-Key
Shorting jumpers Sullins STC02SYAN Digi-Key	71	2	J3, J4			3-Pin Header	Molex	22-28-4030	Digi-Key
74 1 S1 SW_SPDT SPDT Toggle Switch E Switch 100AWSP172B4M7RE Digi-Key 75 1 S2 71BDF30-03-1-AJS 3-Deck Rotary Switch Grayhill 71BDF30-03-1-AJS Grayhill 76 2 Fluted Knob Cosmo 39-7747-001-00-3-10 Cosmo 77 0 T1 VTB9045 Input Transformer Carnhill VTB9045 Carnhill 78 0 T2 VTB1847 Output Transformer Carnhill VTB1847 Carnhill 79 1 Mounting Bracket Hub SCA SCA 80 1 Mounting Bracket Hub SCA SCA 81 4 M2.5 x 6 Pan head machine screw, black 2.2556PPMZB Olander 82 4 #4-40 x 11/4" Pan head machine screw 4C125PPMZR Olander 84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6CKNTZR	72	5				Shorting jumpers	Sullins	STC02SYAN	Digi-Key
74 1 S1 SW_SPDT SPDT Toggle Switch SPDT Toggle Switch E Switch 100AWSP1T2B4M7RE Digi-Key 75 1 S2 71BDF30-03-1-AJS 3-Deck Rotary Switch Grayhill 71BDF30-03-1-AJS Grayhill 76 2 Fluted Knob Cosmo 39-7747-001-00-3-10 Cosmo 77 0 T1 VTB9045 Input Transformer Carnhill VTB1847 Carnhill 78 0 T2 VTB1847 Output Transformer Carnhill VTB1847 Carnhill 79 1 Mounting Bracket Hub SCA SCA 80 1 M2.5 x 6 Pan head machine screw, black 25S6PPMZB Olander 81 4 M2.5 x 6 Pan head machine screw 4C125PPMZR Olander 82 4 #4-40 x 1/4" Pan head machine screw 4C25PPMZR Olander 84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan	73	1	S3	SW_DPDT	DPDT Toggle Switch		E Switch	100AWDP1T2B4M7RE	
Fluted Knob Cosmo 39-7747-001-00-3-10 Cosmo 77 0 T1 VTB9045 Input Transformer Carnhill VTB9045 Carnhill VTB9045 Carnhill VTB1847 Output Transformer Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill Carnhill VTB1847 Carnhill VTB1847 Carnhill Mounting Bracket Hub SCA SCA Insulator PSF SCA Insulator PSF SCA Insulator PSF SCA Olander VTB1847 Olander VTB1847 Olander VTB1847 Olander VTB1847 Olander VTB1847 Olander VTB1847 VTB1847 VTB1847 Olander VTB1847 VTB1847	74	1	S1	SW_SPDT	SPDT Toggle Switch		E Switch	100AWSP1T2B4M7RE	Digi-Key
Fluted Knob Cosmo 39-7747-001-00-3-10 Cosmo 77 0 T1 VTB9045 Input Transformer Carnhill VTB9045 Carnhill VTB1847 Output Transformer Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill VTB1847 Carnhill SCA Insulator PSF SCA Insulator PSF SCA Insulator PSF SCA Olander VTB1847 VTB184	75	1	S2	71BDF30-03-1-AJS	71BDF30-03-1-AJS	3-Deck Rotary Switch	Grayhill	71BDF30-03-1-AJS	Grayhill
78 0 T2 VTB1847 Output Transformer Carnhill VTB1847 Carnhill 79 1 Mounting Bracket Hub SCA 80 1 Insulator PSF SCA 81 4 M2.5 x 6 Pan head machine screw, black .25S6PPMZB Olander 82 4 #4-40 x 1 1/4" Pan head machine screw 4C125PPMZR Olander 83 1 #4-40 x 1/4" Pan head machine screw 4CKNTZR Olander 84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1	76	2						39-7747-001-00-3-10	
Mounting Bracket Hub SCA	77	0	T1		VTB9045	Input Transformer	Carnhill	VTB9045	Carnhill
Insulator PSF SCA SCA	78	0	T2		VTB1847	Output Transformer	Carnhill	VTB1847	Carnhill
Insulator PSF SCA	79	1				Mounting Bracket	Hub		SCA
82 4 #4-40 x 1 1/4" Pan head machine screw 4C125PPMZR Olander 83 1 #4-40 x 1/4" Pan head machine screw 4C25PPMZR Olander 84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	80	1					PSF		SCA
83 1 #4-40 x 1/4" Pan head machine screw 4C25PPMZR Olander 84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	81	4		M2.5 x 6		Pan head machine screw, black		.25S6PPMZB	Olander
84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	82	4		#4-40 x 1 1/4"		Pan head machine screw		4C125PPMZR	Olander
84 5 #4-40 Keps nut 4CKNTZR Olander 85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	83			#4-40 x 1/4"		Pan head machine screw			Olander
85 2 #6-32 x 3/8" Pan head machine screw 6C37PPMZR Olander 86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	84	5							
86 2 #6-32 Keps nut 6CKNTZR Olander 87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	85								
87 2 #4-48 x 1/4" Pan head machine screw 4F25PPMS Olander 88 4 1/8" Nylon spacer 4N12RS4N Olander 89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	86								Olander
88 4 89 4 90 1 10 1/8" Nylon spacer 4N12RS4N Olander FWN-4-250-062 Olander Hookup wire 26 AWG Solid WHS26-04-100 NTE	87								
89 4 1/16" Nylon spacer FWN-4-250-062 Olander 90 1 12" Hookup wire 26 AWG Solid WHS26-04-100 NTE	88					I and the second			
90 1 Hookup wire 26 AWG Solid WHS26-04-100 NTE	89	4							Olander
	90	1		12"					NTE
	91	1			N72 Rev 3.2		AC		