SCA PS03 Bill of Material											
Item	Qty	Ref	Value	Code	Manufacturer	Manufacturer's No	Source				
1	1	C7	4700pF		Panasonic	ECU-S2A103KBA	Digi-Key	P4136-ND			
2	2	C1,C2	.1uF		Panasonic	ECQ-U2A104ML	Digi-Key	P10730-ND			
3	3	C8,C26,C31	.1uF		Kemet	C320C104K5R5CA	Digi-Key	399-2054-ND			
4	2	C11,C16	2200uF/35V		Nichicon	UHE1V222MHD6	Digi-Key	493-1597-ND			
5	1	C21	180uF/100V		Nichicon	UHE2A181MHD	Digi-Key	493-1672-ND			
6	1	C28	100uF/63V		Panasonic	EEU-FC1J101L	Digi-Key	P10342-ND			
7	1	C9	100uF/16V		Panasonic	ECA-1CHG101	Digi-Key	P5529-ND			
8	2	C5,C30	120uF/400V		Panasonic	ECO-S2GA121BA	Digi-Key	P6844-ND			
9	1	C24	1uF/50V		Panasonic	EEU-FC1H1R0	Digi-Key	P10312-ND			
10	2	C29,C32	3300pF		Panasonic	ECK-DNA332ME	Digi-Key	P10453-ND			
11	3	C10,C15,C20	470pF		Kemet	C315C471J1G5CA	Digi-Key	399-1903-ND			
12	4	C13,C14,C18,C19	220uF		Nichicon	UHE1V221MPD6	Digi-Key	493-1579-ND			
13	2	C22,C23	47uF		Nichicon	UHE2A470MPD	Digi-Key	493-1663-ND			
14	2	C25,C27	47uF/50V		Panasonic	EEU-FC1H470	Digi-Key	P10321-ND			
15	3	R16,R17,R18	0		Yageo	ZOR-25-B-52	Digi-Key	0.0QBK-ND			
16	1	R9	10		Yageo	CFR-25JB-10R	Digi-Key	10QBK-ND			
17	3	R6,R7,R8	8R2		Yageo	CFR-25JB-8R2	Digi-Key	8.2QBK-ND			
18		R12	47		Yageo	5093NW47R00JA8AFX	Digi-Key	PPC47W-3JCT-ND			
19	1	R24	143		Yageo	MFR-25FBF-143R	Digi-Key	143XBK-ND			
20	1	R10	150		Yageo	CFR-25JB-10R	Digi-Key	150QBK-ND			
21	1	R14	220		Yageo	CFR-25JB-10R	Digi-Key	220QBK-ND			
22	1	R19	470		Yageo	CFR-25JB-10R	Digi-Key	470QBK-ND			
23	1	R1	10R		Thermometrics	CL-60	Digi-Key	KC006L-ND			
24	4	R11,R22,R25,R26	1K00		Yageo	CFR-25JB-10R	Digi-Key	1.00KXBK-ND			
25	1	R13	1K2		Yageo	CFR-25JB-10R	Digi-Key	1.2KQBK-ND			
26	3	R29,R30,R31	750		Yageo	CFR-25JB-10R	Digi-Key	750QBK-ND			
27	1	R20	24K3		Yageo	CFR-25JB-10R	Digi-Key	24.3KXBK-ND			
28	1	R28	26K1		Yageo	CFR-25JB-10R	Digi-Key	26.1KXBK-ND			
29	1	R21	147		Yageo	CFR-25JB-10R	Digi-Key	147XBK-ND			
30	1	R27	133		Yageo	CFR-25JB-10R	Digi-Key	133XBK-ND			
30	1	R2	2M		Yageo	CFR-25JB-10R	Digi-Key	2.0MQBK-ND			
31	1	R5	3R3		Yageo	CFR-25JB-10R	Digi-Key	3.3QBK-ND			
32	1	R23	40K2		Yageo	CFR-25JB-10R	Digi-Key	40.2KXBK-ND			
33	2	R4,R15	8K2		Yageo	CFR-25JB-10R	Digi-Key	8.2KQBK-ND			
34	2	R32	68		Yageo	CFR-50JB-68R		68H-ND			
34	1	D1			Diodes, Inc.	GBU806	Digi-Key	GBU806DI-ND			
35	1	D2			ON Semi	MUR160RL	Digi-Key	MUR160RLOSCT-ND			
36	2	D3,D4			IR	8ETX06	Digi-Key	8ETX06-ND			
37	1	D5			Diodes, Inc.	UF1004-T		UF1004DICT-ND			
38	1	D6			Fairchild	1N4148		1N4148FS-ND			
39	1	D7			Diodes, Inc.	1N4002	,	1N4002GICT-ND			
40		H1,H2,H3			Aavid	513102B02500	_ ,	HS184-ND			
41		J1			Molex	26-60-4020		WM4620-ND			

42								
44	42	1	P1					
Molex	43	1		Molex	(26-60-4060	Digi-Key	WM4624-ND
Molex 09-50-8043 Digi-Key WM2113-ND	44	1		Molex	(09-50-8061	Digi-Key	WM2126-ND
Molex	45	1		Molex	(26-60-4040	Digi-Key	WM4622-ND
48 1 J4 Qualtek 703W Digi-Key Q218-ND 49 6 L1,L2,L3,L5,L6,L7 JW Miller 6000-220K Digi-Key M6012-ND 50 1 L4 Panasonic ELF-21N Digi-Key MC102-ND 51 3 LED1,LED2,LED3 Lumex SSL-LX5093HD Digi-Key 67-1102-ND 52 1 Q1 ON Semi TIP31B Digi-Key 67-1102-ND 53 1 T1 Premier Magnetics TSD-2091 TSD-20	46	1	P3	Molex	(09-50-8043	Digi-Key	WM2113-ND
49 6 L1,L2,L3,L5,L6,L7 JW Miller 6000-220K Digi-Key M6012-ND 50 1 L4 Panasonic ELF-21N Digi-Key PLK1198-ND 51 3 LED1,LED2,LED3 Lumex SSL-LX5093HD Digi-Key 67-1102-ND 52 1 Q1 ON Semi TIP31B Digi-Key 67-1102-ND 53 1 T1 Premier Magnetics TSD-2091 TSD-2091 54 1 U1 Power Integrations TOP247Y Digi-Key LM317TNS-ND 55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H1A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key H14B17A-ND 58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 </td <td>47</td> <td>12</td> <td></td> <td>Molex</td> <td>(</td> <td>08-50-0106</td> <td>Digi-Key</td> <td>WM2300-ND</td>	47	12		Molex	(08-50-0106	Digi-Key	WM2300-ND
Panasonic ELF-21N Digi-Key PLK1198-ND	48	1	J4	Qualte	ek	703W	Digi-Key	Q218-ND
51 3 LED1,LED2,LED3 Lumex SSL-LX5093HD Digi-Key 67-1102-ND 52 1 Q1 ON Semi TIP31B Digi-Key TIP31BOS-ND 53 1 T1 Premier Magnetics TSD-2091 TSD-2091 54 1 U1 Power Integrations TOP247Y TOP247Y 55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-T 58 1 U7 Fairchild LM7805CT Digi-Key MC34161POS-T 58 1 U7 Littelfuse P6KE170 Mouser 576-P6KE170 59 1 ZD1 Microsemi 1N5253 Digi-Key LN5253DO35M 60 1 ZD2 Microsemi 1N5253 Digi-Key NV64860-ND 61	49	6	L1,L2,L3,L5,L6,L7	JW M	iller	6000-220K	Digi-Key	M6012-ND
52 1 Q1 ON Semi TIP31B Digi-Key TIP31BOS-ND 53 1 T1 Premier Magnetics TSD-2091 TSD-2091 54 1 U1 Power Integrations TOP247Y Digi-Key LM317TNS-ND 55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key LM7805CT-ND 58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key LN5253DO35M 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND <t< td=""><td>50</td><td>1</td><td>L4</td><td>Panas</td><td>sonic</td><td>ELF-21N</td><td>Digi-Key</td><td>PLK1198-ND</td></t<>	50	1	L4	Panas	sonic	ELF-21N	Digi-Key	PLK1198-ND
53 1 T1 Premier Magnetics TSD-2091 54 1 U1 Power Integrations TOP247Y 55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-1 58 1 U7 Fairchild LM7805CT Digi-Key MC34161POS-1 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads	51	3	LED1,LED2,LED3	Lume	х	SSL-LX5093HD	Digi-Key	67-1102-ND
54 1 U1 Power Integrations TOP247Y 55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-I 58 1 U7 Fairchild LM7805CT-ND LW7805CT-ND LW7805CT-ND LW7805CT-ND LW7805CT-ND LW7805CT-ND MC34161POS-I LW7805CT-ND MC34161POS-I LW7805CT-ND LW7805CT-ND MC34161POS-I LW	52	1	Q1	ON Se	emi	TIP31B	Digi-Key	TIP31BOS-ND
55 1 U2 National LM317T Digi-Key LM317TNS-ND 56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-I 58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key 1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key 283-2335-ND 63 2 Fuse holders Bergquist SP900S-54 Digi-Key 283-2335-ND 64 5 Thermal pads Keystone Steward Digi-Key 240-2124-N	53	1	T1	Premi	ier Magnetics	TSD-2091		
56 1 U3 Fairchild H11A817A Digi-Key H11A817A-ND 57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-1 58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M: 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2124-ND	54	1	U1	Power	r Integrations	TOP247Y		
57 3 U4,U5,U6 ON Semi MC34161P Digi-Key MC34161POS-F 58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key 283-2335-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 5 #4-40 x 3/8" Pan head machine screw Keystone Olander	55	1	U2	Nation	nal	LM317T	Digi-Key	LM317TNS-ND
58 1 U7 Fairchild LM7805CT Digi-Key LM7805CT-ND 59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	56	1	U3	Fairch	nild	H11A817A	Digi-Key	H11A817A-ND
59 1 ZD1 Littelfuse P6KE170 Mouser 576-P6KE170 60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M: 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 Kepps nut Keystone Olander	57	3	U4,U5,U6	ON Se	emi	MC34161P	Digi-Key	MC34161POS-ND
60 1 ZD2 Microsemi 1N5253 Digi-Key 1N5253DO35M3 61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	58	1	U7	Fairch	nild	LM7805CT	Digi-Key	LM7805CT-ND
61 1 ZD3 Fairchild 1N5255B Mouser 512-1N5255B 62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	59	1	ZD1	Littelfu	use	P6KE170	Mouser	576-P6KE170
62 1 F1 Wickmann 1981300000 Digi-Key WK4860-ND 63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	60	1	ZD2	Micros	semi	1N5253	Digi-Key	1N5253DO35MSCT-ND
63 2 Fuse holders Cooper BK/1A5018-10 Digi-Key 283-2335-ND 64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	61	1		Fairch	nild	1N5255B	Mouser	512-1N5255B
64 5 Thermal pads Bergquist SP900S-54 Digi-Key BER175-ND 65 3 Shoulder washer 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	62	1	F1	Wickn	mann	1981300000	Digi-Key	WK4860-ND
65 3 Shoulder washer Keystone 3049 Digi-Key 3049K-ND 66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	63	2	Fuse holders	Сооре	er	BK/1A5018-10	Digi-Key	283-2335-ND
66 1 Ferrite, Clamp-On Steward Digi-Key 240-2124-ND 67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	64	5	Thermal pads	Bergq	uist	SP900S-54	Digi-Key	BER175-ND
67 1 Ferrite Steward Digi-Key 240-2279-ND 66 5 #4-40 x 3/8" Pan head machine screw Keystone Olander 67 5 #4-40 Kepps nut Keystone Olander	65	3	Shoulder washer	Keysto	one	3049	Digi-Key	3049K-ND
665#4-40 x 3/8" Pan head machine screwKeystoneOlander675#4-40 Kepps nutKeystoneOlander	66	1	Ferrite, Clamp-On	Stewa	ard		Digi-Key	240-2124-ND
67 5 #4-40 Kepps nut Keystone Olander	67	1	Ferrite	Stewa	ard		Digi-Key	240-2279-ND
	66	5	#4-40 x 3/8" Pan head machine screw	Keysto	one		Olander	
68 4 #6-32 x 3/4" Standoff Keystone Digi-Key 3488K-ND	67	5	#4-40 Kepps nut	Keysto	one		Olander	
	68	4	#6-32 x 3/4" Standoff	Keysto	one		Digi-Key	3488K-ND
69 4 #6-32 x 3/8" Pan head machine screw Keystone Olander	69	4	#6-32 x 3/8" Pan head machine screw	Keysto	one		Olander	
70 1 PCB AC SCS	70	1	PCB	AC			SCS	