

SCA PS03 Bill of Material

Item	Qty	Ref	Value	Code	Manufacturer	Manufacturer's No	Source	Catalog No.
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	1	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	Digi-Key	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	Digi-Key	UF1004DICT-ND
38	1	D6			Fairchild	1N4148	Digi-Key	1N4148FS-ND
39	1	D7			Diodes, Inc.	1N4002	Digi-Key	1N4002GICT-ND
40	3	H1,H2,H3			Aavid	513102B02500	Digi-Key	HS184-ND
41	1	J1			Molex	26-60-4020	Digi-Key	WM4620-ND

42	1	P1			Molex	09-50-8021	Digi-Key	WM2122-ND
43	1	J2			Molex	26-60-4060	Digi-Key	WM4624-ND
44	1	P2			Molex	09-50-8061	Digi-Key	WM2126-ND
45	1	J3			Molex	26-60-4040	Digi-Key	WM4622-ND
46	1	P3			Molex	09-50-8043	Digi-Key	WM2113-ND
47	12				Molex	08-50-0106	Digi-Key	WM2300-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	PLK1198-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		
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-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	1N5253DO35MSCT-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	
68	4	#6-32 x 3/4" Standoff			Keystone		Digi-Key	3488K-ND
69	4	#6-32 x 3/8" Pan head machine screw			Keystone		Olander	
70	1	PCB			AC		SCS	