

## SCA D11 Bill of Material

Rev 1.2

Item	Qty	Ref	Value	Marking	Description	Mfg	Mfg Part Number	Source	Cat Number
1	2	C1, C11	.01uF	103	X7R Ceramic Capacitor	Kemet	C315C103K1R5TA	Digi-Key	C315C103K1R5TA
2	2	C22, C25	.1uF	104	X7R Ceramic Capacitor	Kemet	C320C104K5R5TA	Digi-Key	C320C104K5R5TA
3	2	C3, C13	470nF	474	Metallized Film Capacitor	Panasonic	ECQ-V1H474JL	Digi-Key	ECQ-V1H474JL
4	4	C4, C14, C23, C26	22uF	22uf 35V	Radial Electrolytic Capacitor	Panasonic	EEU-FC1V220	Digi-Key	EEU-FC1V220
5	2	C27, C28	100uF	100uF 35V	Radial Electrolytic Capacitor	Panasonic	EEU-FC1V101	Digi-Key	EEU-FC1V101
6	4	C2, C5, C6, C12, C15, C16	100uF	100uF 50V	Radial Electrolytic Capacitor	Nichicon	UHE1H101MPD	Digi-Key	UHE1H101MPD
7	4	C9, C10, C19, C20	100uF/100V NP	100uF 100V BP	Radial Electrolytic Capacitor	Nichicon	UVP2A101MHD	Mouser	UVP2A101MHD
8	4	C7, C8, C17, C18	220uF/35V	220uF 35V	Radial Electrolytic Capacitor	Panasonic	EEU-FC1V221	Digi-Key	EEU-FC1V221
9	2	C21, C24	1500uF	1500uF 50V	Radial Electrolytic Capacitor	Panasonic	ECO-S1HA152BA	Digi-Key	ECO-S1HA152BA
10	2	CONN1, CONN2			1/4" TRS Jack	Neutrik	NMJ6HCD2	Brill	NMJ6HCD2
11	2	CONN3, CONN4			XLR-Male	Neutrik	NC3MBHR	Brill	NC3MBHR
12	10	D1 - D10	1N4002	1N4002	Rectifier Diode	Fairchild	1N4002	Mouser	512-1N4002
13	3	J1, J2			2 Pin Header	Molex	22-28-4020	Digi-Key	WM6402-ND
14	4	J3, J4, J5, J6			3 Pin Header	Molex	22-28-4030	Digi-Key	WM6403-ND
15	6				Shorting Jumpers	Sullins	STC02SYAN	Digi-Key	S9000-ND
16	1	J7			6 Pin Header	Molex	26-60-4060	Digi-Key	WM4624-ND
17	2	L1, L2	100uH	Brown-Black-Brown-Gold	Axial Inductor	Fastron	MICC/N-101J-00	Mouser	434-22-101
18	2	Q1, Q4	2SK170	K170	Low-noise N-channel JFET	Toshiba	2SK170	Futurlec	2SK170BL
19	2	Q2, Q5	MJE182	MJE182	NPN Power Transistor	Fairchild	MJE182	Mouser	511-MJE182
20	2	Q3, Q6	MJE172	MJE172	PNP Power Transistor	Fairchild	MJE172	Mouser	511-MJE172
21	2	R43, R44	0R	Black	Zero-Ohm Jumper	Xicon	291-0-RC	Mouser	291-0-RC
22	4	R15, R16, R31, R32	100	Brown-Black-Black-Black-Brown	Metal Film Resistor 1/2W	Xicon	273-100-RC	Mouser	273-100-RC
23	2	R34, R36	200	Red-Black-Black-Black-Brown	Metal Film Resistor 1/4W	Xicon	271-200-RC	Mouser	271-200-RC
24	8	R9, R10, R11, R12, R25, R26, R27, R28	220	Red-Red-Black-Black-Brown	Metal Film Resistor 1/4W	Xicon	271-220-RC	Mouser	271-220-RC
25	4	R7, R8, R23, R24	2K4	Red-Yellow-Black-Brown-Brown	Metal Film Resistor 1/4W	Xicon	271-2.4K-RC	Mouser	271-2.4K-RC
26	2	R33, R37	3K6	Orange-Blue-Black-Brown-Brown	Metal Film Resistor 1/4W	Xicon	271-3.6K-RC	Mouser	271-3.6K-RC
27	4	R13, R14, R29, R30	4K7	Yellow-Violet-Black-Brown-Brown	Metal Film Resistor 1/2W	Xicon	273-4.7K-RC	Mouser	273-4.7K-RC
28	6	R3, R19, R39, R40, R41, R42	10K	Brown-Black-Black-Red-Brown	Metal Film Resistor 1/4W	Xicon	271-10K-RC	Mouser	271-10K-RC
29	2	R35, R38	15K	Brown-Green-Black-Red-Brown	Metal Film Resistor 1/4W	Xicon	271-15K-RC	Mouser	271-15K-RC
30	2	R4, R20	22K	Red-Red-Black-Red-Brown	Metal Film Resistor 1/4W	Xicon	271-22K-RC	Mouser	271-22K-RC
31	2	R5, R21	68K	Blue-Gray-Black-Red-Brown	Metal Film Resistor 1/4W	Xicon	271-68K-RC	Mouser	271-68K-RC
32	2	R1, R17	105K	Brown-Black-Green-Orange-Brown	Metal Film Resistor 1/4W	Xicon	271-105K-RC	Mouser	271-105K-RC
33	4	R2, R6, R18, R22	2M2	Red-Red-Black-Yellow-Brown	Metal Film Resistor 1/4W	Xicon	271-2.2M-RC	Mouser	271-2.2M-RC
34	2	SW1, SW2			SPDT Switch (ON-OFF-ON)	E-Switch	100AW SP3T2B4M7RE	Digi-Key	EG2438-ND
35	0	T1, T2 (Optional)			Transformer	Jensen	JT-MB-CPC	Jensen	JT-MB-CPC
36	1	U1		LM317T	Voltage Regulator, Pos	National	LM317T	Mouser	512-LM317T
37	1	U2		LM337T	Voltage Regulator, Neg	National	LM337T	Mouser	512-LM337T
38	2				Heatsink	Aavid	577202B00000	Digi-Key	HS107-ND
39	4		M2.5 x 6		Pan head machine screw, black			Olander	.25S6PPMZB
40	2		#4-40 x 1/4"		Pan head machine screw			Olander	4C25PPMZR
41	4		#4-40		Kepps nut		4CKNTZR	Olander	4CKNTZR
42	1			D11 Rev 1.2	PCB	SCA		SCA	