

Item Quantity Reference Part Supplier Digikey unless specified..

---- ADA SIP board components ----

All from MOUSER for ADA SIP

1	4	C1,C2,C3,C4	10nF 50V COG 0805	CGA4C2C0G1H103J060AA
2	5	C5,C6,C7,C9,C10	220nF 25V 0603 X7R	Vishay VJ0603Y224KXXCW1BC
3	3	C8,C11,C12	4u7 16V X7R	GRM21BR71C475KE51L
4	1	H1	15 SIP MODULE HEADER	Mill-Max 399-10-115-10-009000
5	2	H2,H3	IN and OUT ADA	pcb connections (no parts)
6	4	L1,L2,L3,L4	FERRITE 0805 1k TDK	MMZ2012R102AT000
7	1	R1	54k9 0.1% 0805	ERA-6AEB5492V
8	1	R2	44k2 0.1% 0805	ERA-6AEB4422V
9	1	R3	1k 5% 0805	RR1220P-102-D
10	1	R4	75k 5% 0805	ERA-6AED753V
11	2	R5,R11	10k 5% 0805	ERA-6AED103V
12	2	R6,R8	10k 0.1% 0805	ERA-6VEB1002V
13	1	R7	3k48 0.1% 0805	ERA-6AEB3481V
14	1	R9	15k 0.1% 0805	ERA-6AEB153V
15	1	R10	300R 5% 0.5W 0805	ERJ-P06J301V
16	1	R12	620R 5% 0805	ERA-6AED621V
17	1	R13	22k 5% 0805	ERA-6AED223V
18	1	R14	10k 5% 0805	ERA-6AED103V (selected GAIN resistor)
19	1	U1	ADC 16-bit INL-1LSB MSOP	MAX11100EUB+
20	1	U2	Vref 5V SOT23	MAX6035BAUR50+T
21	2	U3,U5	OPAMP 36V RRIO SOT23-5	OPA990IDBVR
22	1	U4	DAC 16-bit INL-1LSB MSOP	LTC2641ACMS8-16#PBF
23	1	-	4 layers PCB	

---- Main board components ----

24	5	C15,C16,C17,C19,C21	0.1uf/50V	KEMET C315C104M5U5TA
25	5	C13,C14,C18,C20,C22	10uf/25V	Cornell Dubilier SK100M025ST
26	4	D1,D2,D4,D5	Red LED	Lumex SSL-LX5093ID (2V drop)
27	2	D3,D6	1N4148	ON Semi. 1N4148
28	1	H1	SUPPLY HEADER	TE Connectivity AMP MAT-156 640445-6
29	1	H2	ICD HEADER RJ 6 pins	Amphenol ICC 90512-001LF
30	2	H3,H4	15 pins SIP socket	Mill-Max 310-93-164-41-001000 (64pins broken to 2 x 15pins)
31	12	J1,J2,J3,J4,J5,J6	PHONO JACKS	(wired to both ADA SIP + mainboard)
		J7,J8,J9,J10,J11,J12		Switchcraft 112AX 1/4" phono jack available at www.synthcube.com Product Code: SINGLPRTJCK2AXN
32	2	L5,L6	FERRITE BEADS	Laird-Signal Integrity Products 28L0138-80R-10
33	2	P1,P2	100KB Alpha linear pot	(Mouser RV24AF-10-15R1-B100K)
34	2	Q1,Q3	2N3906	Micro Commercial Co #2N3906-AP
35	2	Q2,Q4	2N7000	ON Semiconductor 2N7000 N-channel MOSFET
36	1	R15	4K7 5%	Yageo CFR-25JB-52-4K7
37	4	R16,R17,R22,R23	220R 5%	Yageo CFR-25JB-52-220R
38	2	R18,R24	100K 5%	Yageo CFR-25JB-52-100K
39	2	R19,R25	1K0 5%	Yageo CFR-25JB-52-1K
40	2	R20,R26	270k 5%	Yageo CFR-25JB-52-270K
41	4	R21,R27,R28,R29	10K 5%	Yageo CFR-25JB-52-10K
42	1	U6	PIC16F1783	PIC16F1783-I/SP Microchip CPU
43	1	U7	23LC512	23LC512-I/P SPI SRAM 64k x 8

Hardware:

44	1	-	Silkscreened 5 mils thick artwork Front panel PCB	
45	2	-	Cosmo 7602 type 1" knobs	(Available at www.smallbear.com item item: 0808B) or and www.synthesizers.com item:794
46	4	-	Round Standoffs 4-40 .250"	KEYSTONE 3478
47	4	-	Stain. Steel screws 4-40 1/2"	Pièces machinerie Delisle
48	4	-	Locking hex nuts 4-40 nickel	Pièces mach. Delisle (SPAENAU N-180K-RC)
49	1	-	IC machined socket 8 pins	ASSMAN AR08-HZL-TT-R
50	1	-	IC machined socket 28 pins	ASSMAN AR 28-HZL/01/7-TT
51	1	-	Aluminium 1/16" thick front panel (1U Moog style)	
52	-	-	Wiring control voltage	Hookup wire AWG#22
53	-	-	Wiring: 10" Belden RG-174 coax	Canare L-2B2AT