

Decware ZKit-1 Bill of Materials

Stereo x 2 watts with sourcing and current costs
as built by ***NikeofNargothrond*** on Wood Plinth
January 2026

<u>Original BOM</u>	<u>Description</u>	<u>Part Used</u>	<u>#</u>	<u>Each</u>	<u>Total</u>	<u>Comments</u>
ZKIT1-BO	Decware PCB	ZKIT1-BO	1	\$45.00	\$45.00	
Eagle Plastic Devices 561-L41.0	Circuit Board Hardware - PCB SPCR HEX 4- 40X1.0	RAF 1" Threaded Hex, Nylon Standoff, 4-40	9	\$0.63	\$5.67	Threaded Stud
None – PCB Mounting Hardware	4-40 x 3/8" SS Cap Screws	4-40 Fasteners	9	\$0.42	\$3.78	Local Hardware Store
6N1P-EV Power Tube	6N1P (warm), 6922 (dynamic), 6DJ8 (less bass, more detail)	6N1P-EV Tube	1	\$7.50	\$7.50	Caught a sale on these!
6P15P-EV Output Tubes	6P15P-EV or SV83 (speed, detail), EL84 or 6BQ5 (warmer)	6P15P-EV Tube	2	\$27.95	\$55.90	Also found Seller in Ukraine on Ebay
Power Transformer	Edcor XPWR107-120 (120vAC)	Edcor XPWR-008	1	\$169.26	\$169.26	Same but adds 5v 3a Tap + 200mA
Output Transformers	Edcor GXSE-6K-10W (6 Ohm Tap)	Edcor GXSE-6K- 10W	2	\$94.69	\$189.38	
None - Isolation and lift for wires	5/8" x 1/4" Rubber Spacer	Rubber Spacers for Transformers	12	\$0.53	\$6.36	Local Hardware Store
None – Transformer Mounting Hardware	6-32 x 1/2" SS Cap Screws	6-32 Fasteners	12	\$0.18	\$2.16	Local Hardware Store
None – Transformer Mounting Hardware	SS Flat Washers	SS Flat Washers	12	\$0.15	\$1.80	Local Hardware Store
Vishay 516D108M035PS6AE3 (Obsolete)	Aluminum Electrolytic Capacitors - Leaded 1000uF 35volts 20%	Vishay 30D108M035EH2A	1	\$7.93	\$7.93	
Nichicon TVX2W330MCD (Obsolete)	Aluminum Electrolytic Capacitors - Leaded 500volts 47uF 20%	Mundorf Mlytic HV 47uF 500v	2	\$14.25	\$28.50	47uF 500Vdc Mlytic HV Series Polar Axial

Vishay TVA1508	Aluminum Electrolytic Capacitors - Leaded 250V 20UF	Vishay TVA1508	2	\$7.81	\$15.62	
Cornell Dubilier 150104J400EC	Polyester Film Capacitors 400V .1UF METAL POLY (Coupling)	Mundorf MCap EVO Oil 0.1uf	2	\$18.00	\$36.00	650v 0.1uF Coupling Capacitor
Cornell Dubilier 150104J400EC	Polyester Film Capacitors 100V .1UF METAL POLY	Cornell Dubilier 150104J400EC	2	\$2.79	\$5.58	Non-Signal Path
Solen 3.3uF 400V	polypropylene capacitors 3.3uF 400V	Solen 3.3uF 400V	2	\$3.68	\$7.36	
Xicon 262-6.8K-RC	Metal Oxide Resistors 6.8Kohms 5% Tol	TE ROX5SSJ6K8	1	\$0.74	\$0.74	Upgraded to 5W!
Vishay CW0051K000JB12	Wirewound Resistors - Through Hole 5watts 1Kohms 5%	Vishay CW0051K000JB12	1	\$3.26	\$3.26	
Vishay RL20S272GRE5	Metal Film Resistors - Through Hole 1/2watt 1.5Kohms 2%	Vishay RL20S272GRE5	2	\$0.91	\$1.82	
Vishay RL20S272GRE6	Metal Film Resistors - Through Hole 1/2watt 2.7Kohms 2%	Vishay RL20S272GRE6	2	\$0.62	\$1.24	
Vishay RN65D1001FB14	Metal Film Resistors - Through Hole 1/2watt 1Kohms 1%	Vishay RN65D1001FB14	4	\$1.03	\$4.12	
Xicon 280-CR5-10K-RC	Wirewound Resistors - Through Hole 10Kohms 5% Tol	Xicon 280-CR5-10K-RC	2	\$0.95	\$1.90	
Vishay RGP10M-E3/54	Diodes (General Purpose, Power, Switching) 1.0 Amp 1000 Volt	Vishay RGP10M-E3/54	2	\$0.76	\$1.52	
Vishay CP0005150R0JE14 (Obsolete)	Wirewound Resistors - Through Hole 150ohms 5% 5watts	Vishay AC05AT0001500JAC00	1	\$1.33	\$1.33	AEC rated
IRC RC20GF473J	Carbon Composition Resistors 47K OHM 5%	IRC RC20GF473J	2	\$0.92	\$1.84	

KOA Speer MO2CT631R102J (Obsolete)	Metal Oxide Resistors 2W 1K 5%	Vishay WR404140A1001J4 100	2	\$0.48	\$0.96	AEC rated
Xicon 273-330K-RC (Obsolete)	Metal Film Resistors - Through Hole 1/2watt 330Kohms 1%	Vishay VR37000003303FA 100	2	\$0.57	\$1.14	AEC rated
Vishay RN65D1000FB14	Metal Film Resistors - Through Hole 1/2watt 100ohms 1% 100ppm	Vishay RN65D1000FB14	2	\$1.61	\$3.22	
None – Tube Sockets	PC mount 9-pin miniature ceramic tube socket. Gold plated pins.	9 Pin Ceramic PCB GZC9-B-Gld Tube Socket	3	\$2.21	\$6.63	
Dual Binding Posts	Standard .75" dual binding for chassis mounting – 1/8" studs	SCI R1-19B-2P	2	\$4.67	\$9.35	
Phono (RCA) Connectors PHONO R/A PCB	Red	Keystone 937	1	\$2.45	\$2.45	
Phono (RCA) Connectors PHONO R/A PCB	White	Keystone 936	1	\$2.45	\$2.45	
Alpha RV122F-20-15F- A100K	Panel Mount Potentiometer Audio D- Shaft 100K, 2 channel	Alpha RV122F-20- 15F-A100K-0072	1	\$4.24	\$4.24	
None - AC Power Entry Modules C14 IEC FUSED INLET	Fused with LED Switch	Bulgin BZH01/Z0000/02	1	\$11.71	\$11.71	
None - 3A Fuses	5x20mm, Glass, slo-blo	Littlefuse 0239003.MXP	2	\$1.12	\$2.24	One spare
None - AC Power Cord for Power Supply	Black, right angled, 10a, 6ft	SameSky AC-C13-R NA	1	\$4.75	\$4.75	Right angle for my setup
None – 18awg Hookup Wire for Ground	18awg, Solid Core, 600v	TE 44AO111-18-0- MX	2	\$1.76	\$3.52	By the foot
None - ¾" x 24" x 8" Red Oak Board for Plinth	Red Oak or whatever you'd like	Unfinished Red Oak Board	1	\$18.70	\$18.70	Check Local Suppliers or Marketplace!
Cornell Dubilier 940C6P1K-F	Film Capacitors 0.1uF 600V 10%	Cornell Dubilier 940C6P1K-F	5	\$3.52	\$17.60	Anniversary Mod

Cornell Dubilier 940C6P47K-F	Film Capacitors 0.47uF 600V 10%	Cornell Dubilier 940C6P47K-F	2	\$4.37	\$8.74	Anniversary Mod
Vishay SFR16S0002203FR500	Metal Film Resistors - Through Hole 1/2watt 220Kohms 1%	Vishay SFR16S0002203FR 500	2	\$0.25	\$0.50	Anniversary Mod

<i>Total Materials Costs</i>	\$703.77	
<i>Total Shipping Costs</i>	\$109.60	
<i>Total Tarriff Costs</i>	\$12.13	
Total Project Costs		\$825.50