

KEVIN GILMORE - DIY DYNALO BOARD
(One Board = Stereo)

Item	Unit Qty	U/M	Description	Footprint	Mfg	Mfg P/N	Supplier	Supplier P/N	Est. Unit Cost	Est. Total Cost	References
1	1	ea	PCB - KG Dynamic Amp - Low Impedance Headphones (dynalo rev C)	3.925" x 6.3"	www.djgardner.com	Topside View	www.pcbnet.com		\$ 10.00	\$ 10.00	
2	2	ea	IC - Low Noise OP AMP	DIP-8	TI / Burr-Brown	OPA227PA	Digi-Key	OPA227PA-ND	\$ 2.36	\$ 4.72	U5, U6
3	2	ea	TRANS - FET - Silicon Monolithic P Chan Junction Type	7-PIN ZIP	Toshiba	2SJ109	MCM	2SJ109	\$ 4.35	\$ 8.70	U2, U4
4	2	ea	TRANS - FET - Silicon Monolithic N Chan Junction Type	7-PIN ZIP	Toshiba	2SK389	MCM	2SK389	\$ 3.09	\$ 6.18	U1, U3
5	12	ea	TRANS - Silicon PNP Epitaxial Type (PCT Process)	TO-92	Toshiba	2SA1015	MCM	2SA1015	\$ 0.23	\$ 2.76	Q1, Q3, Q6, Q8, Q10, Q12, Q13, Q15, Q18, Q20, Q22, Q24
6	12	ea	TRANS - Silicon NPN Epitaxial Type (PCT Process)	TO-92	Toshiba	2SC1815	MCM	2SC1815	\$ 0.15	\$ 1.80	Q2, Q4, Q5, Q7, Q9, Q11, Q14, Q16, Q17, Q19, Q21, Q23
7	4	ea	DIODE - Small Signal	0.300"	any stock	1N4148	Digi-Key	1N4148FS-ND	\$ 0.07	\$ 0.28	D3,D4,D7,D8
8	4	ea	LED - 1.6 Volt RED	0.100"	any stock		Mouser	351-5001	\$ 0.19	\$ 0.76	D1,D2,D5,D6
9	16	ea	RES - Metal Film, 24.9 ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60D4992FB14	Mouser	71-RN60D-F-24.9	\$ 0.21	\$ 3.36	R23-30, R53-60
10	4	ea	RES - Metal Film, 3.32K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60D3321FB14	Mouser	71-RN60D-F-3.32K	\$ 0.21	\$ 0.84	R18, R20, R48, R50
11	10	ea	RES - Metal Film, 200 ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C2002FB14	Mouser	71-RN60D-F-200	\$ 0.21	\$ 2.10	R3-6, R19, R33-36, R49
12	4	ea	RES - Metal Film, 499 ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C4990FB14	Mouser	71-RN60D-F-499	\$ 0.21	\$ 0.84	R11, R15, R41, R45
13	4	ea	RES - Metal Film, 7.5K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C7501FB14	Mouser	71-RN60D-F-7.5K	\$ 0.21	\$ 0.84	R12, R13, R42, R43
14	8	ea	RES - Metal Film, 4.99K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C4991FB14	Mouser	71-RN60D-F-4.99K	\$ 0.21	\$ 1.68	R1, R2, R8, R9, R31, R32, R38, R39
15	2	ea	RES - Metal Film, 15K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C1502FB14	Mouser	71-RN60D-F-15K	\$ 0.21	\$ 0.42	R22, R52
16	2	ea	RES - Metal Film, 1M ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C1004FB14	Mouser	71-RN60D-F-1M	\$ 0.21	\$ 0.42	R61, R62
17	6	ea	RES - Metal Film, 1K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C1001FB14	Mouser	71-RN60D-F-1.0K	\$ 0.21	\$ 1.26	R7, R17, R21, R37, R47, R51
18	2	ea	RES - Metal Film, 10K ohm, 1/4W, 1%	0.500"	Vishay-Dale	RN60C1002FB14	Mouser	71-RN60D-F-10K	\$ 0.21	\$ 0.42	R16, R46
19	4	ea	POT - 3296 - 3/8" Square Trimming Potentiometer	0.100" lead space	Bourns	3296W-1-103	Digi-Key	3296W-103-ND	\$ 2.50	\$ 10.00	R10, R14, R40, R44
20	2	ea	CAP - Monolithic Ceramic - 0.33uF, 25V or greater	7.5mm	any stock		Digi-Key	P4669-ND	\$ 0.24	\$ 0.48	C5, C18
21	4	ea	CAP - Monolithic Ceramic - 0.1uF, 25V or greater	0.150"	any stock				\$ 0.10	\$ 0.40	C6, C7, C19, C20
22	10	ea	CAP - Poly Film Type - 0.1uF, 25V or greater	7.5mm	WIMA or equiv				\$ 0.20	\$ 2.00	C1, C2, C3, C4, C12, C13, C14, C15, C16, C17
23	4	ea	CAP - Large Poly Film Type - 4.7uf, 25V or greater	22.5, 15, 7.5mm	WIMA or equiv				\$ 1.00	\$ 4.00	C10, C11, C21, C22
24	6	ea	CAP - Electrolytic Type - 100uf, 25V or greater	0.200", 5mm	Panasonic	EEU-FC1E101S	Digi-Key	P10269-ND	\$ 0.23	\$ 1.38	C8, C9, C23-26
25	1	ea	CONN - 3-position 5.08mm terminal block	0.200"	Phoenix	1729131	Digi-Key	277-1248-ND	\$ 1.14	\$ 1.14	J5
26	2	ea	CONN - 2-position 5.08mm terminal block	0.200"	Phoenix	1729128	Digi-Key	277-1247-ND	\$ 0.75	\$ 1.50	J2, J4
27	2	ea	SOCKET - Dip 8	DIP-8	any stock		Digi-Key	ED60000-ND	\$ 0.42	\$ 0.84	U5, U6
										\$ 69.12	