

KEVIN GILMORE - DYNAHI POWER SUPPLY

Item	Unit Qty	U/M	Description	Footprint	Mfg	Mfg P/N	Supplier	Supplier P/N	Est. Unit Cost	Est. Total Cost	Notes
1	1	ea	PCB - Dynahi Power Supply = 20sq.in, 136hole, 3oz.	5.15" x 3.85"	K. Gilmore	dynahips4	PCBNet	dynahips4	\$ 10.00	\$ 10.00	proto pricing
2	1	ea	XFMR - 250VA - 2 x 38VAC(RMS) @ 1.5A each		Plitron				\$ -	\$ -	
3	2	ea	IC - High Power Monolithic Op Amp	11-pin Plastic Power	TI Burr-Brown	OPA541AP	Digikey	OPA541AP-ND	\$ 16.65	\$ 33.30	
4	2	ea	IC - 5A Adjustable Regulator	TO-220	National	LM338T	Digikey	LM338T-ND	\$ 2.11	\$ 4.22	
5	1	ea	IC - +5V Precision Voltage Reference	DIP-8	TI Burr-Brown	REF02BP	Digikey	REF02BP-ND	\$ 5.04	\$ 5.04	
6	8	ea	DIODE - Power Rectifier, Ultrafast, 600V 8A	TO-220	ON Semi	MUR860	Digikey	MUR860OS-ND	\$ 1.14	\$ 9.12	
7	2	ea	DIODE - Silicon Rectifier	0.500"	ON Semi	1N4004	Digikey	1N4004RLOSCT-ND	\$ 0.22	\$ 0.44	
8	6	ea	CAP - Electrolytic, 4700uF, 63V, 105C	D=25mm, L=50mm	Panasonic	ECOS1JA472CA	Digikey	P7485-ND	\$ 5.84	\$ 35.04	
9	8	ea	CAP - Monolithic Ceramic, 0.33uf, ??V				Digikey		\$ -	\$ -	
10	4	ea	CAP - Tantalum, 10uf, 50V, 10%, Radial	0.150"	Kemet	T350K106K050AS	Digikey	399-1451-ND	\$ 5.32	\$ 21.28	Optional for OPA541's
11	4	ea	CAP - Monolithic Ceramic, 0.1uf, 50V, Z5U	0.150"	BC Components	K104M15Z5UF5TH5	Digikey	BC1133CT	\$ 0.10	\$ 0.40	Optional for OPA541's
12	2	ea	RES - Thick Film Power, 0.20ohm, 30W, 1%	TO-220	Caddock	MP930-0.2-1%	Mouser	684-MP930-0.2	\$ 4.15	\$ 8.30	
13	2	ea	RES - Metal Film, 121ohm, 1/4W, 1%	0.400"	Vishay-Dale	RN60D1210FB14	Mouser	71-RN60D-F-121	\$ 0.21	\$ 0.42	
14	2	ea	RES - Metal Film, 3.57Kohm, 1/4W, 1%	0.400"	Vishay-Dale	RN60D3571FB14	Mouser	71-RN60D-F-3.57K	\$ 0.21	\$ 0.42	
15	1	ea	RES - Metal Film, 49.9Kohm, 1/4W, 1%	0.400"	Vishay-Dale	RN60D4992FB14	Mouser	71-RN60D-F-49.9K	\$ 0.21	\$ 0.21	
16	3	ea	RES - Metal Film, 10Kohm, 1/4W, 1%	0.400"	Vishay-Dale	RN60D1002FB14	Mouser	71-RN60D-F-10K	\$ 0.21	\$ 0.63	
17	2	ea	CONN - TERM BLOCK 3POS 5.08MM PCB	5.08mm	Phoenix Contact	1729131	Digikey	277-1248-ND	\$ 1.14	\$ 2.28	
18	1	ea	CONN - TERM BLOCK 4POS 5.08MM PCB	5.08mm	Phoenix Contact	1729144	Digikey	277-1249-ND	\$ 1.53	\$ 1.53	
19	1	ea	HEATSINK - 16 fin, W=2-3/8" L=4-9/16" H=29/32"	6 x 0.125 holes	?	?	Surplus Sales	(HSK) HS-TWS	\$ 5.00	\$ 5.00	
20	1	ea	SPREADER - Aluminum Angle Bracket				DIY		\$ -	\$ -	
21	2	ea	SINK PAD - 11 Pin Plastic Power				DIY		\$ -	\$ -	
22	4	ea	SINK PAD - TO-220				DIY		\$ -	\$ -	
23	1	a/r	HW - Miscellaneous Fasters / Standoffs				DIY		\$ -	\$ -	
										\$ 137.63	