

HEAD-AMP V2 BOM											
Notes	Ref	Description	Package	Value	Quantity	Manufacturer	Manufacturer PN	Supplier	Supplier PN	Cost Unit	Cost Total
CAPACITORS											
	C5, C16	MLCC 470pF 50V 5% C0G (NP0)	TH Radial	470pF	2	Vishay	K47UJ5C0GF53L2	Mouser	594-K47UJ5C0GF53L2	0.25 euros	0.50 euros
	C2, C4, C13, C15	MLCC 0.1uF 50V 10% X7R	TH radial	100nF	4	Vishay	K104K15X7RF53L2	Mouser	594-K104K15X7RF53L2	0.17 euros	0.68 euros
	C1, C3, C10, C11, C12, C14	Aluminium Electrolytic Capacitor 100uF 35V	TH Radial	100uF	6	Panasonic	EEU-FR1V101B	Mouser	667-EEU-FR1V101B	0.49 euros	3.00 euros
	C6, C7, C8, C9	Aluminium Electrolytic Capacitor 1000uF 25V	TH radial	1000uF	4	Nichicon	UVZ1E102MPD1TD	Mouser	647-UVZ1E102MPD1TD	0.63 euros	2.52 euros
RESISTORS & POT											
	R5, R11	Resistor, 1/4W 1.5 ohm	TH	1R5	2	KOA Speer	MF1/4DC1R50F	Mouser	660-MF1/4DC1R50F	0.36 euros	0.72 euros
	R2, R4, R7, R9	Resistor, 1/4W 100 ohm	TH	100R	4	KOA Speer	MF1/4DC1000F	Mouser	660-MF1/4DC1000F	0.26 euros	1.04 euros
	R3, R8	Resistor, 1/4W 1k	TH	1k	2	KOA Speer	MF1/4DC1001F	Mouser	660-MF1/4DC1001F	0.26 euros	0.52 euros
	R10	Resistor, 1/4W 4.7k	TH	4.7k	1	KOA Speer	MF1/4DC4701F	Mouser	660-MF1/4DC4701F	0.26 euros	0.26 euros
	VR3	Pot, 10k Stereo Audio D-Shaft Dual Gang	TH	10k	1	Alpha	RV122F-20-15F-A10K-0072	Mouser	313-I240F-10K	4.27 euros	4.27 euros
	R1, R6	Resistor, 1/4W 1M	TH	1M	2	KOA Speer	MF1/4DC1004F	Mouser	660-MF1/4DC1004F	0.26 euros	0.52 euros
CONNECTORS & SCREWS											
	J1	DC Power Connector, 2.1mm	TH		1	Switchcraft	722RA	Mouser	502-722RA	3.08 euros	3.08 euros
	J2	Jack, 3.5mm TRS phone	TH		1	Kycon	STX-3150-5C-1	Mouser	806-STX-3150-5C-1	1.28 euros	1.28 euros
	J3	Jack, horizontal dual RCA	TH		1	Kobiconn	I56-4218-E	Mouser	156-4218-E	0.80 euros	0.80 euros
	J4	Jack, 1/4" TRS phone	TH		1	Neutrik	NRJ6HF	Mouser	550-20311	0.80 euros	0.80 euros
		Nut for phone jack			1	Neutrik	NRJ-NUT-B	Mouser	550-1005	0.18 euros	0.18 euros
SWITCHES											
	S1	Switch, DPST power push	TH		1	C&K	NEI82AE6P6AMP	Mouser	611-NEI82AE6P6AMP	8.07 euros	8.07 euros
	S2	Switch, DPDT latching push	TH		1	C&K	F2UEEAU	Mouser	611-F2UEEAU	3.97 euros	3.97 euros
		Cap, pushbutton			2	C&K	F0201	Mouser	611-21125	0.49 euros	0.98 euros
		Knob, 16mm D-Shaft			1	Eagle Plastic	450-BA561	Mouser	450-BA561	1.63 euros	1.63 euros
POWER & PROTECTION											
	U1, U2	Opamp, high current	PDIP-8		2	Texas Instruments	OPA552PA	Mouser	595-OPA552PA	4.63 euros	9.26 euros
For Op Amps		Socket, 8-pin DIP			2	Mill-Max	110-99-308-41-001000	Mouser	575-199308	0.42 euros	0.84 euros
		Linear regulator, +12V TO-220	TH		1	Texas Instruments	LM2940CT-12/NOPB	Mouser	926-LM2940CT-12/NOPB	1.66 euros	1.66 euros
Substitute for LM2940CT-12/NOPB	VR1	Linear regulator, +12V TO-220	TH		1	ROHM	BAJ2CC0T	Mouser	755-BAJ2CC0T	1.92 euros	1.92 euros
	VR2	Linear regulator, -12V TO-220	TH		1	Texas Instruments	LM2990T-12/NOPB	Mouser	926-LM2990T-12/NOPB	3.24 euros	3.24 euros
	D1	TVS Diode 24V 600W Bidirectionnal	DO-204AC-2		1	Taiwan Semiconductor	P6KE24CA	Mouser	821-P6KE24CA	0.86 euros	0.86 euros
	D2, D3	Schottky diode, 60V 1A DO-41	DO-204AL-2		2	Vishay	SB160-E3/54	Mouser	625-SB160-E3	0.34 euros	0.68 euros
	D4	Green Led 3mm 10mA 2.1V Right Angle	TH Right Angle		1	Dialight	551-0201F ou 551-0301F ou 551-0401F	Mouser	645-551-0201F	1.03 euros	1.03 euros
	F1	PPTC Radial Lead 1.1A 72V 40A Imax	TH Radial	1.1A	1	Littlefuse	RXEF110	Mouser	650-RXEF110	0.43 euros	0.43 euros
	Q1, Q2	MOSFET N Ch Dep Mode FET 250V	SOT-89-3		2	IXYS	CPC3703CTR	Mouser	849-CPC3703CTR	0.69 euros	1.38 euros
		Power supply AC/AC Adapter 12VAC, 1.6A, Mascot		12VAC 1.6A	1	Mascot	8810125000	Distrielec	156-38-432	41,24 euros	41,24 euros
		Mascot 2.1 power supply connector			1	Mascot	3630	Distrielec	169-80-502	1,73 euros	1,73 euros