

Component List

LYNX Power Amplifier main PCB v3.0 (updated 27.08.2007)

Resistors 0.6W: Size 7.5x2.5 mm, Pad distance on PCB: 10 mm
 2.0W: Size 12x4 mm, Pad distance on PCB: 16 mm
 5.0W: Size 17x6 mm, Pad distance on PCB: 22 mm

Item	Description	Mfr./Type	Alternatives	Notes
R101	1K, 0.6W			1%
R102	100K, 0.6W			1%
R103, 104, 107, 108	1K, 0.6W			1%
R105, 106	13K, 0.6W			1%
R109, 110	3.3K, 0.6W			1%
R111, 112	330R, 2W			Non-Inductive
R113	1K8, 0.6W			1-5%
R115	220R, 0.6W			1-5%
R116, 117	180R, 0.6W			1-5%
R118, 119	5R6, 2W		10-47R to reduce heat on drivers	Non-Inductive
R120	10K, 0.6W			1%
R121	390R, 0.6W			1-5%
R122, 123	2K7, 2W			Non-Inductive
R124, 125	100R, 0.6W			1-5%
R126, 127	80R, 0.6W			1%
R126 to 135	0R22 to 0R47, 5W			Non-Inductive
R136, 137	10R, 5W			Non-Inductive
R138 to 145	0 to 10R, 0.6W			1%
R114	5K potentiometer	Cermet, Bourns	Equivalent	10-24 turns
C101	330pF	WIMA FKP 2	Equivalent	5mm pin spacing
C102, C103	33pF	WIMA FKP 2	Equivalent	5mm pin spacing
C105, C106	22uF, 50V		Dia:8mm, P:3.5mm	Non-Polarity
C104, 107, 108, 112, 113	100nF, 63/100V	VISHAY MKP 1837	Equivalent	5mm pin spacing
C109	100pF	WIMA FKP 2	Equivalent	5mm pin spacing
C110	470uF, 16V	Panasonic EHG	Equivalent	5mm pin spacing
C111	100nF, 150V	Epcos		10mm pin spacing
U101	OPA627		OPA134	Low DC-Offset opamp
Q101, 108	MPSA42	OnSemi	Equivalent	
Q102, 109	MPSA92	OnSemi	Equivalent	
Q103, 107	MJE350	OnSemi	Equivalent	
Q104, 105, 106	MJE340	OnSemi	Equivalent	
Q110	MJE15032*	OnSemi	Equivalent	MJE15030
Q111	MJE15033*	OnSemi	Equivalent	MJE15031
Q112, 114, 116, 118	MJL21194	OnSemi	Equivalent	
Q113, 115, 117, 119	MJL21193	OnSemi	Equivalent	
D101 to 106	1N4148		Equivalent	
D107, 108	BAV21		Equivalent	
L101	2uH, 20A			16mm pad spacing
ZD101, ZD102	15V Zener, 0.5W			8mm pad distance
J101, 102	2-pin row			2.5mm pin spacing

* Beware of fakes (I had to scrap more than 100 transistors bought from a cheap supplier as the blew up in this amp)

As this amp is intended as a diy project, I take no responsibilities for looses caused by any information given.
 Please note that I also only are able to offer limited support!

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