

## Sample BOM for 64V rail Wolverine Build

V1.0a - 19 March 2025 R. Thatcher

This table contains example part numbers and part recommendations. Any good quality similar parts will work with no detriment to the sound.

ID	Qty	Value	Digikey Part Number	Comment
<b>Power Supply Board</b>				
R1-16	16	0R – install wire jumpers		Class AB amps generally do NOT want resistors in the PSU assuming high PSRR and high peak current demands on PSU.
R17-20	4	2k2 5W (3k3 is also OK)	A102461-ND A131251-ND	Use TE Connectivity 5W Radial Resistors for this PCB 13.00mm x 9.00mm 5mm Lead Spacing
R21-24 (35-50V Rails)	4	47k 1/4W	13-MFR-25FRF52-47KCT-ND	"Rule of Thumb" - 1k Ohm per PSU volt Increase R for dimmer LED. No need to be exact.
R21-24 (60-75V Rails)	4	68k 1/4W	S68KCACT-ND	
<b>Filter Capacitor Options</b> - 10mm Lead Spacing, up to 35mm Diameter.				Voltage rating must be greater than rail voltage! Below are several options.
C1-12	12	10k uF, 80V	338-2677-ND 493-14392-ND	For reference, a 2 channel Adcom GFA-555 stereo amplifier (200WPC) has 4x 15kuF caps in the power supply. 30kuF per rail for both channels.
		12k uF, 80V	565-ESMH800VNN123MA63S-ND	
		17k uF, 80V	565-ESMH800VSS173MA70S-ND	
TH1-2	2	CL-60	KC006L-ND	
D1-4	4	LED	732-5019-ND	LEDs are both on positive rail. Use one for on-board and another for front panel
Other	14+	Quick Disconnect Blades	WM14275CT-ND 36-1287-ST-ND	
<b>CL-60 / AC Cap PCB</b>				
C1	2	3300pF, X1 Safety Rated	399-9513-1-ND	
TH1-2	4	CL-60	KC006L-ND	
Other	12	Quick Disconnect Blades	WM14275CT-ND 36-1287-ST-ND	
<b>Rectifiers / Snubber PCBs</b>				
Rectifier Bridges	4		GBPC3510-E4/51GI-ND 641-1380-ND	
Snubber C	4	FILM 10000PF / 10nF / .01uF	495-4975-1-ND	
Snubber C	4	FILM 150nF / .15uF	495-77011-1-ND	
Snubber R	4	Metal Film 1/4W - Value TBD	TBD if not using Antek	Use Quasimodo test jig to determine value
Snubber R for Antek	4	Metal Film 1/4W – 20-22R for Antek Transformers	RNF14FTD20R0CT-ND	Antek Transformers – use 20-22R