

minimix bom

the minimix is flexible as far as resistance choices go. i found in this 10k pots and 20k resistors configuration i got the least amount of extraneous noise floor. but you can really use any resistor values twice the resistance of pots used. for instance you can use 100k pots and 200k resistors etc. the smd pot trims the overall gain, which should also be twice the value of whatever main pots are used.

Qty	Value	Device	Package	Parts
1	1k	RESISTOR.1	RES-VERT-.1	smallbear or mouser
5	20k	RESISTOR.1	RES-VERT-.1	smallbear or mouser
2	47pf	CAPACITOR(mlcc)	2.5mm straight lead spacing (mouser)	
2	0.1uf	CAPACITOR0805	2.5mm straight lead spacing (mouser)mlcc	
2	10uf	CAPACITOR-POL0805	4x5mm package	jameco
1	NE5532	OPAMP/DUALS0IC	8-S0IC (or TL072 or similar package)	mouser
2	1n4001	VERTDIODE	VERTDIODE	tayda
1	20k	POT/TRIMTC33X	TC33X(gain trim)	mouser
3	a10k(or b10k)	song huei trim pot	or alphatrim type	thonk,erthenvar,tayda,me
4	WQP-PJ301M-12	qingpu jack	4.5mm thread length	erthenvar,or me
1		JMP/5P/SIP	5 pin male header	