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Seppoman's SSM2164 PCB (work in progress...)

## **Parts List**

Value	Reichelt No.
220 uF	RAD 220/25
560 pF	KERKO 560P
100nF	Z5U-2,5 100N
100pF	NPO-2,5 100P
470nF	Z5U-5 470N (*2)
SSM2164PZ	(*)
TL074	TL 074 DIL
10k	64W-10K
27k	METALL 27,0K
27k	
470	METALL 470
5.6k	METALL 5,60K
	220 uF 560 pF 100nF 100pF 470nF SSM2164PZ TL074 10k 27k 27k 470

(IC sockets, pin headers, flat ribbon cable etc are omitted)

Reichelt Public Shopping Cart

## Where to get the SSM2164

(\*) There are quite a few places where you can buy the SSM2164. Feel free to add your finds to this section :)

Shop	Order Code	Price	<b>Date Price Checked</b>	
Europe:				
Farnell	1438744	6.33 EUR + VAT	(2010/07/14)	
RS	427-250	6.33 EUR + VAT	(2010/07/14)	
USA:				
Digikey	SSM2164PZ-ND	6.00 USD	(2010/07/14)	
Newark	19M9009	6.06 USD	(2010/07/14	

Note that Farnell only delivers to professional customers and university members.

## Value of C17..C20

(\*2) These capacitors are part of a low pass filter that smoothes out noise/DAC steps etc from the CV input signal. There's a tradeoff between best cancellation of any zipper/background noise and a very snappy VCA on the other side. The value of 470nF stated in the parts list above is more on the "Silence" side of things. If you prefer a faster response of the VCA in return for some noise in certain situations, you can try lower values in this place. e.g. 220nF is a usable compromise, but you can go lower to 100nF, 10nF or even leave out the capacitor altogether. I suggest you might try out what suits you best with one single channel before stuffing all four caps.

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