



You can use 2 matched general purpose NPN transistors in place of U3 (LM394). If you don't have matched transistors 2 - 2N3904s will work to get you making sound (and may just work fine too).

U1 can be any of these:  
 LF442  
 LT1112  
 AD706

PT146 +3500 ppm/C  
 Temp Comp Res.  
 Precision Resistor Co.  
 for optimal temperature compensation.

Mount in physical contact with heat sink compound or other temperature transferring material.

NOTE!!  
 Mounting 20K resistors to ground on all CV input jacks is recommended

A plain old 2K carbon comp can be used in place of PT146 (R24). Temperature drift will be more pronounced however.

R37 designator is not used.

All diodes are 1N914 or 1N4148

Parts values changed from original design

- R46 475 ohms to 2K
- R69 100K to 1M
- R50 20K to 100K
- R70 100K to 39K
- C6 1000pF to 330pF
- R66 20K to 100K

MPF102 can be replaced with:  
 2N5457 or J210