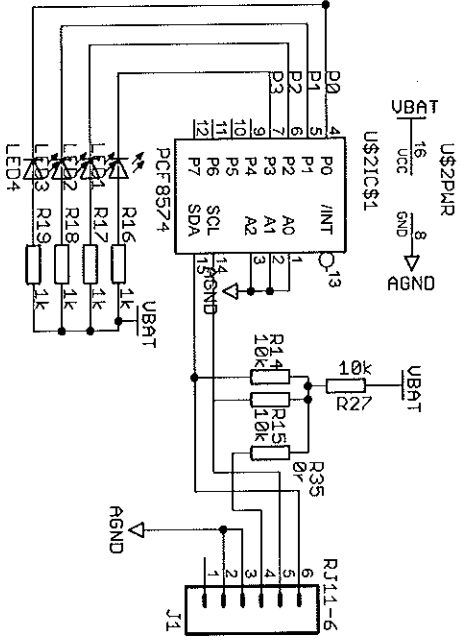
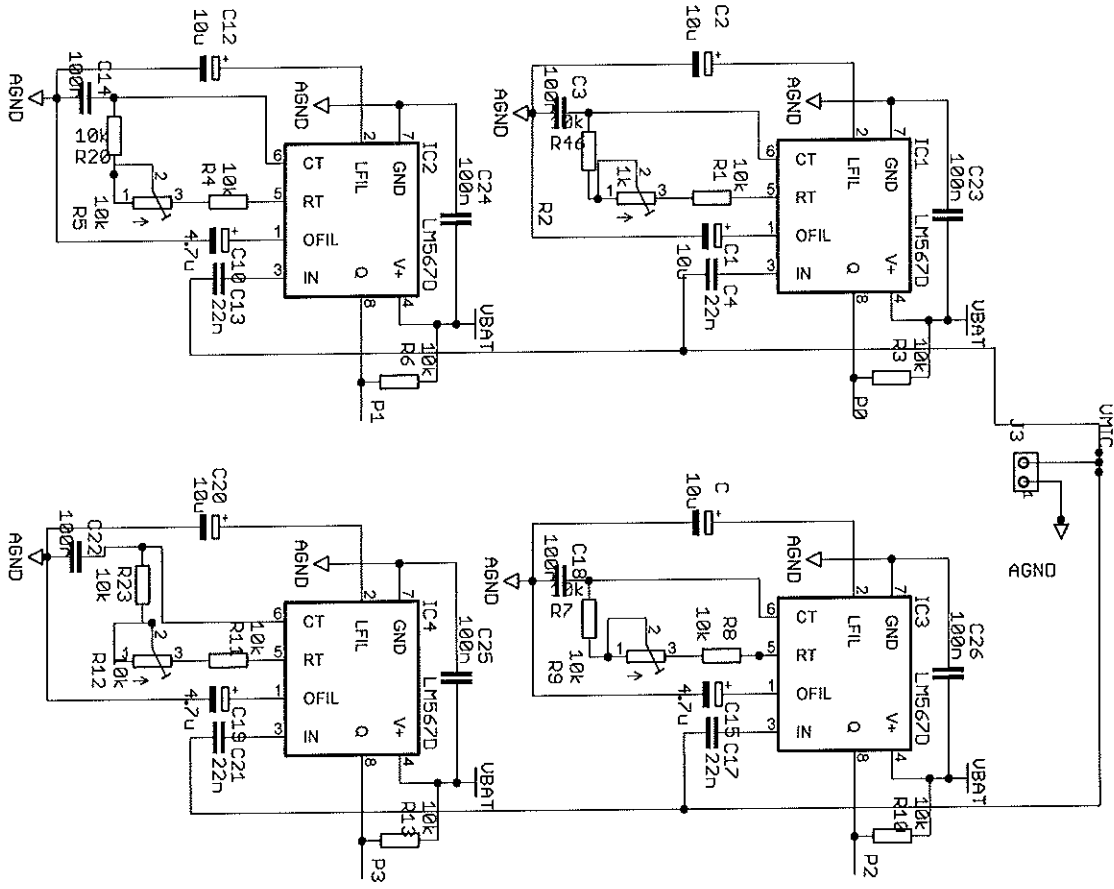
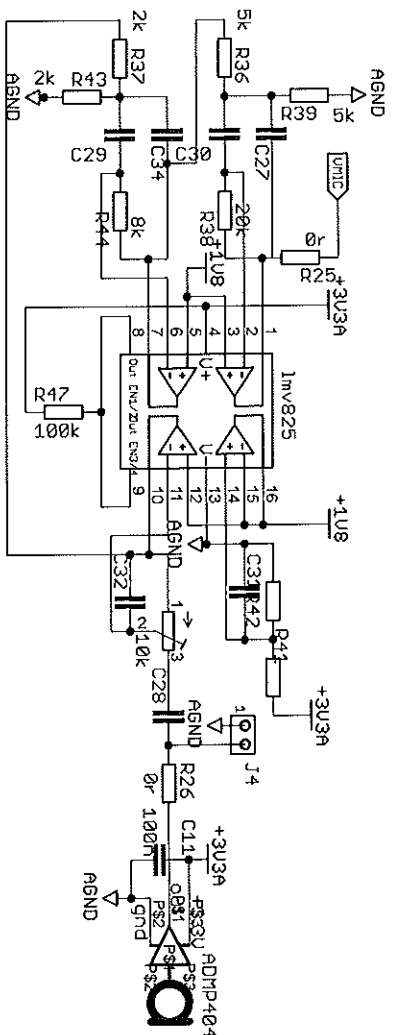
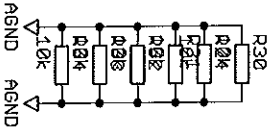
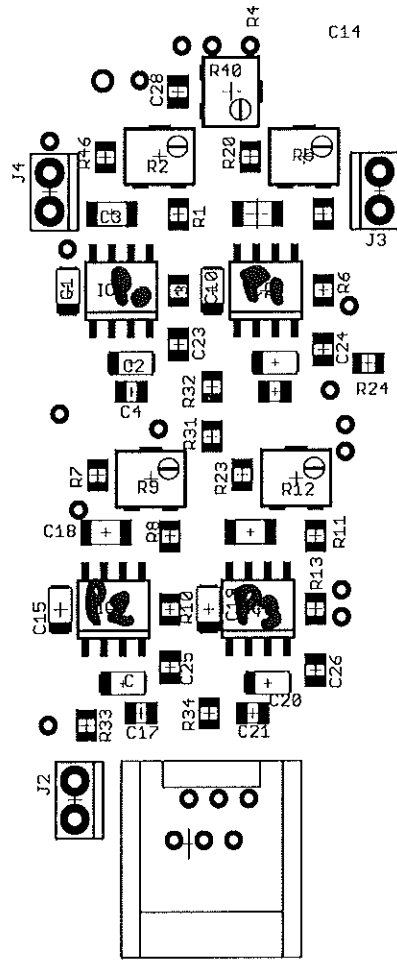
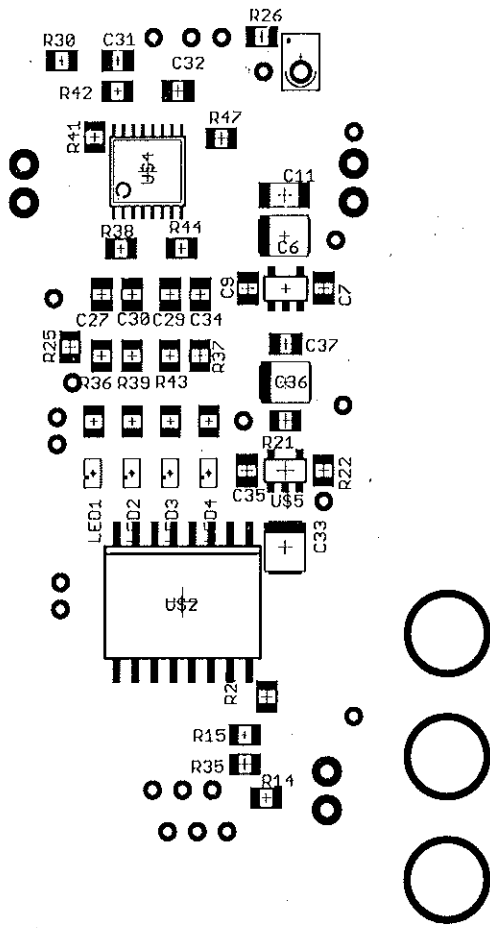


RE3=294Hz R=34k
 FA3=350Hz R=28.5k
 SOL=390Hz R=25.65k
 LA3=440Hz R=22.5k





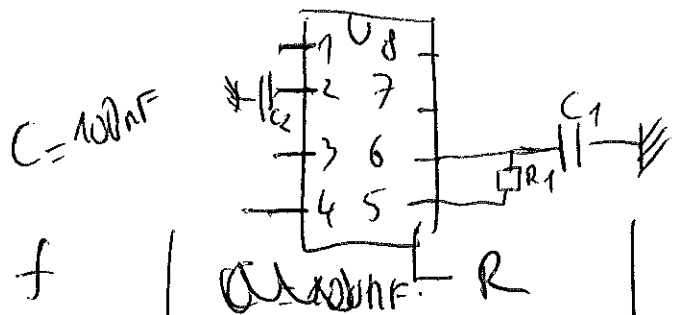


$$f_0 = \frac{1}{2\pi R_1 C_1}$$

Δf

	f	Δf		
D_0	262	32Hz	262	32
$\rightarrow Re$	294	36Hz	294	36
\underline{MFT}	330	19Hz	330	19
$\rightarrow Fa$	349	43Hz	349	+20%
Sol	392	48Hz	392	$\pm 20\%$
$\rightarrow la$	440	54Hz	440	$\pm 20\%$
$\rightarrow si$	494	29Hz	494	$\pm 20\%$
do	523			

$C = 1$



$$BW = 1090 \times \sqrt{\frac{V_i}{f_0 \cdot C_2}}$$

f	R	BW pour $V_i = 20 \text{ mV rms}$ $C_2 = 4.4 \mu F$	$\% \Delta f_0$	$\% f_0$ $BV \text{ pour } V_i = 500 \text{ mV}$ $C_2 = 4.4 \mu F$
494	3.5k 18k	$\sim 1 \times 10^{-2}$	10%	5.8% 2.0%
444	3.5k 20k	$\sim 1 \times 10^{-2}$	10%	5.8% 5%
392	4k 23k	$\sim 1 \times 10^{-2}$	10%	
349	4.7k 26k	$\sim 1 \times 10^{-2}$	10%	

4.4M

$$22 \times 10^5 \times 10^{-12}$$

$$\frac{22 \times 10^7}{220 \times 220 \times 10^{-6}}$$