

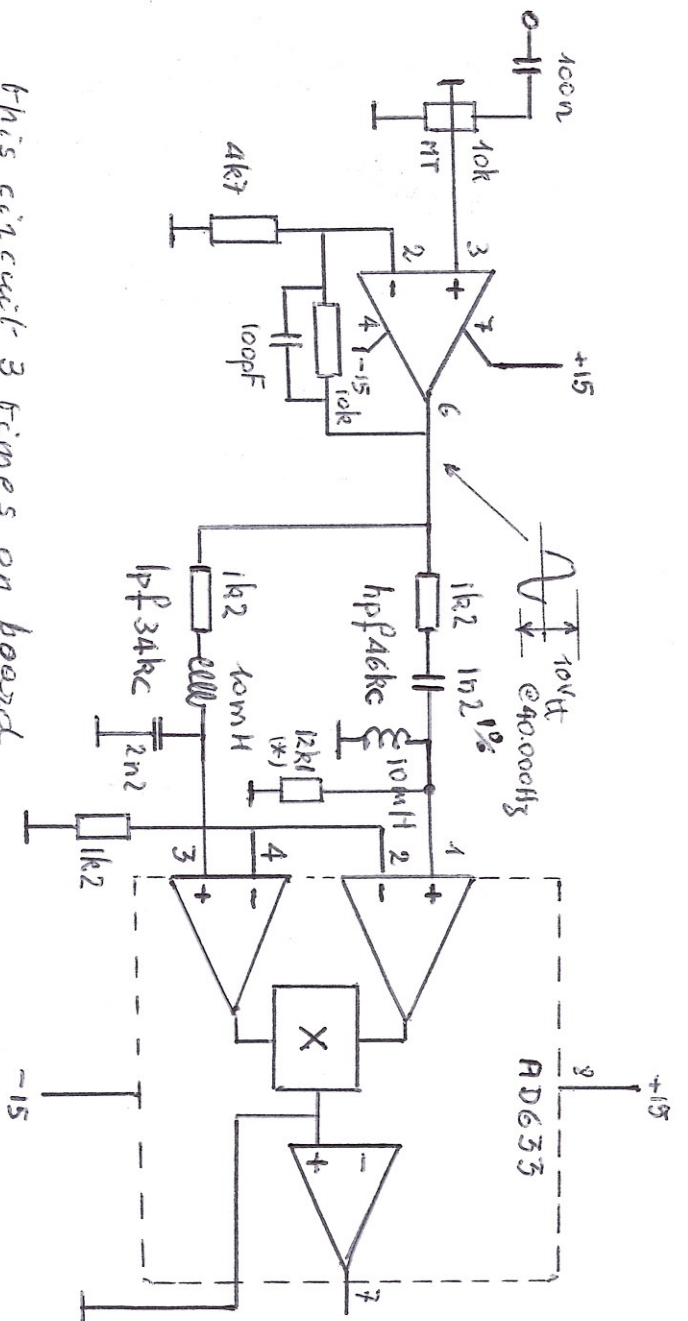
Holo sound - system
audio out installatie
V9708

board used in <slow sham rising > , 12.2000



ATLANTA - VERTICAL SUSPENSION FOLDER

FLITS | A4 | REF. A 6520-4



this circuit 3 times on board
X, Y & Z channels

(*) should be 12k8
cfr doppler.exe : holo sound '97 simulator

HOLOSOUND V9708

demodulator board

02.1997 : prototype board

used in 19" rack circuit

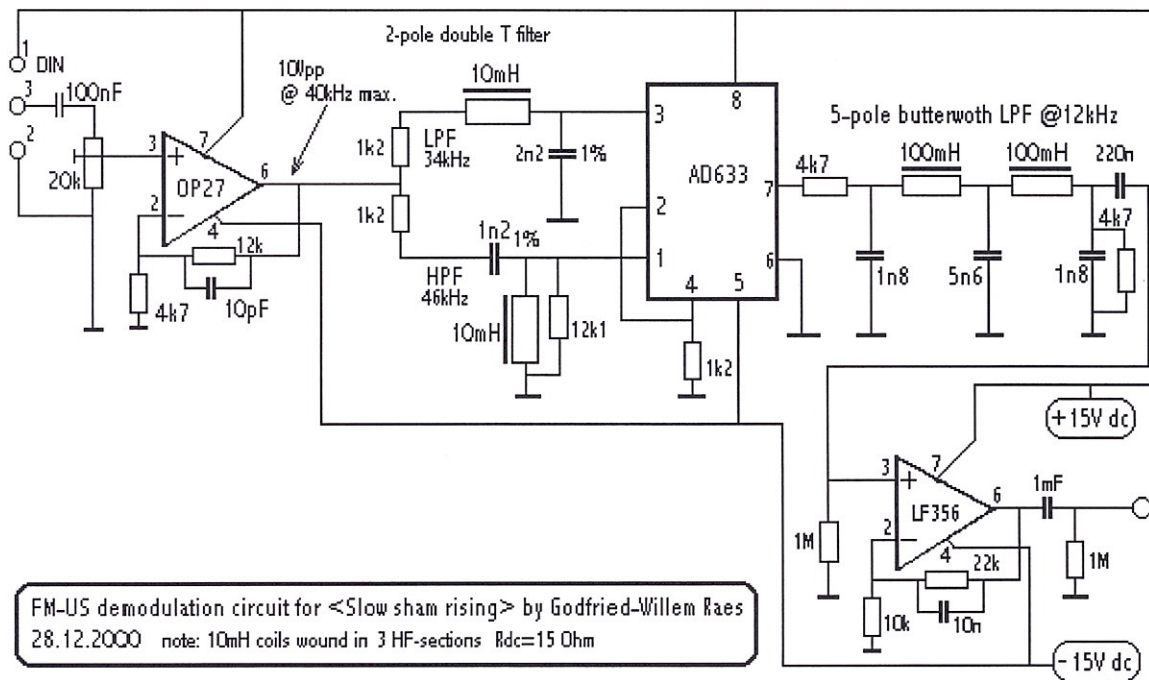
29.08.1997 : Balancing resistors 12k1

added

26.12.2000 : used in < Slow sham strings

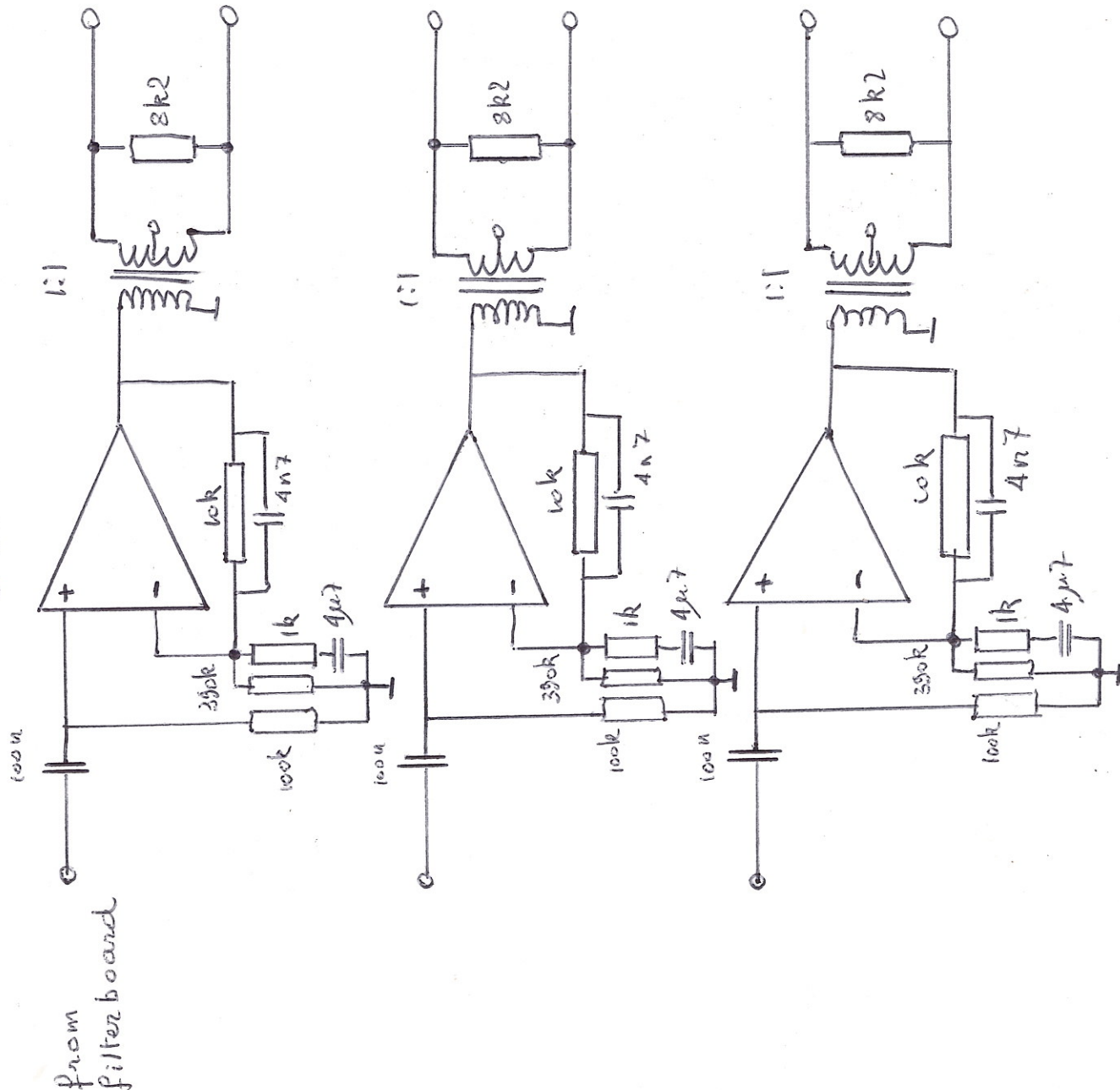
19" unit

dr. Godfried-Willem Raes



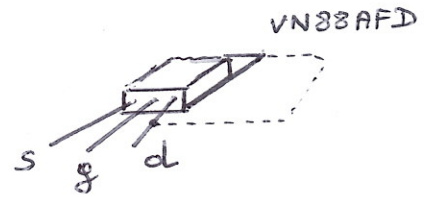
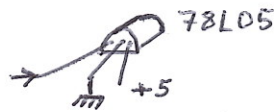
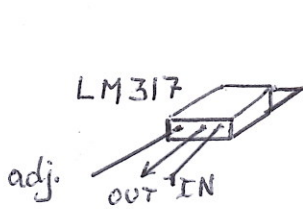
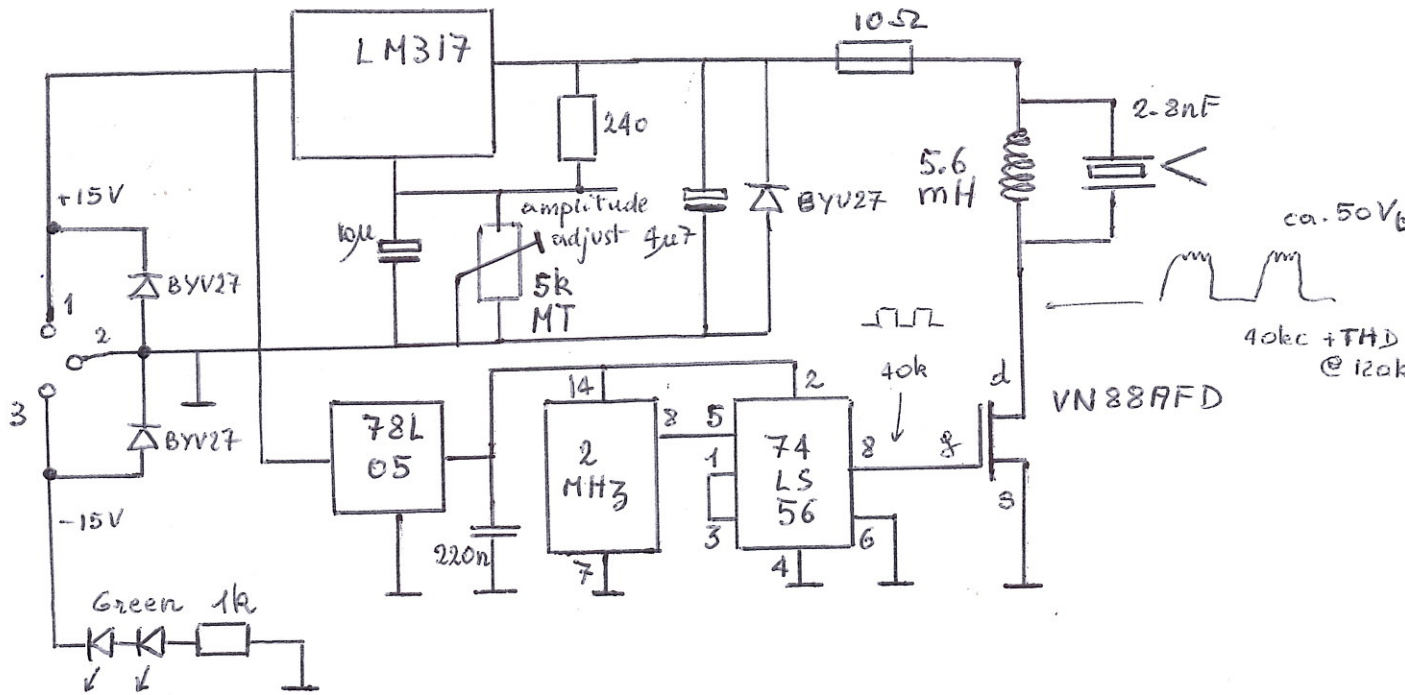
FM-US demodulation circuit for <Slow sham rising> by Godfried-Willem Raes
 28.12.2000 note: 10mH coils wound in 3 HF-sections Rdc=15 Ohm

LF356

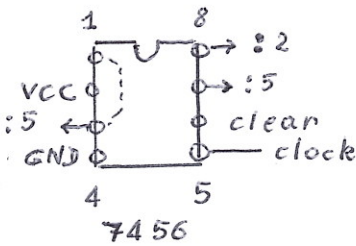


to XLR pins 2,3
 (pin 1 = ground)
 to 6.3mm jacks
 (tip, sleeve, ring)

MOLO SOUND V9708	
audio driver board	
26.08.97	Tested O.K.
dr. Godfried-Willem Raes	



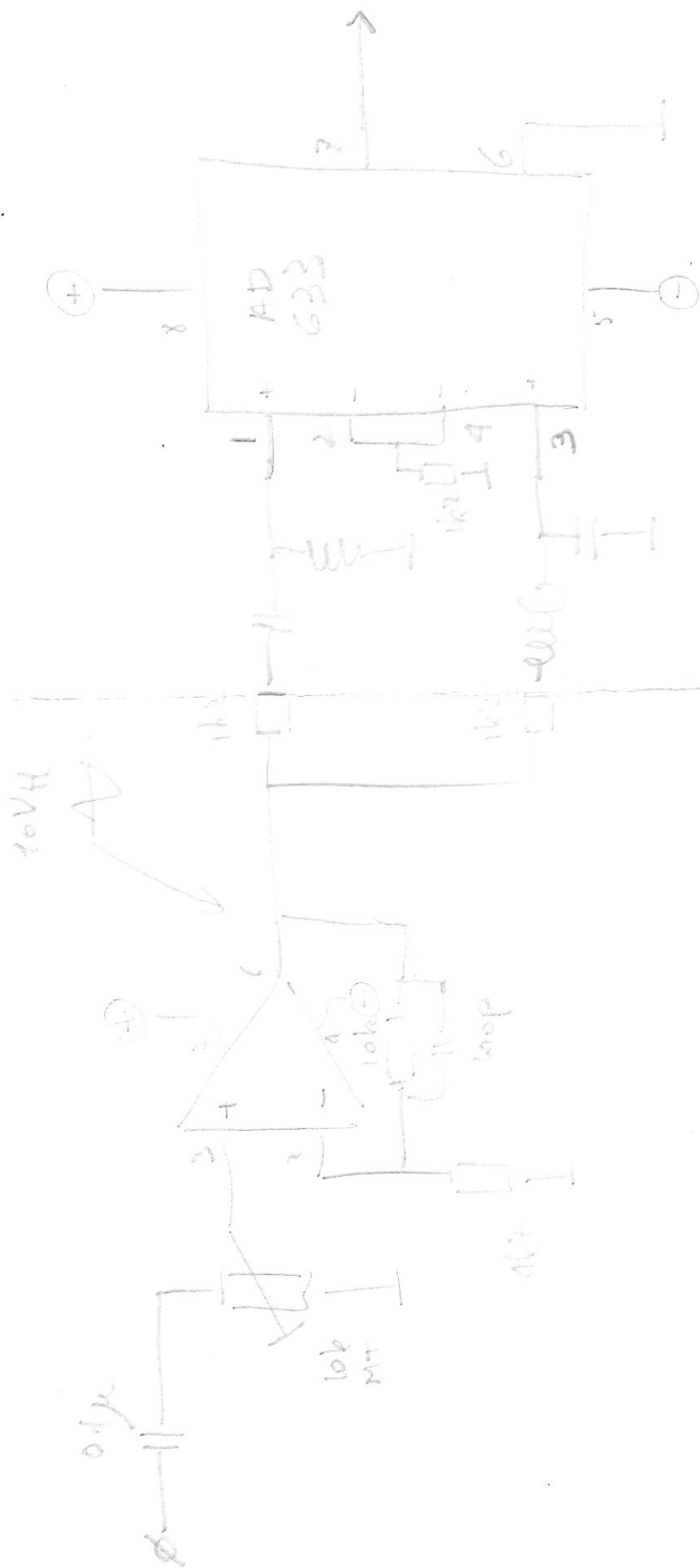
note: negative power only used for green LED's



CRYSTAL CONTROLLED ULTRASOUND EMITTER

version 2.0 25.02.97 on perfoboard
prototype
for analog holosound
installation
moulded in transparent
epoxy resin
housing: brass tube

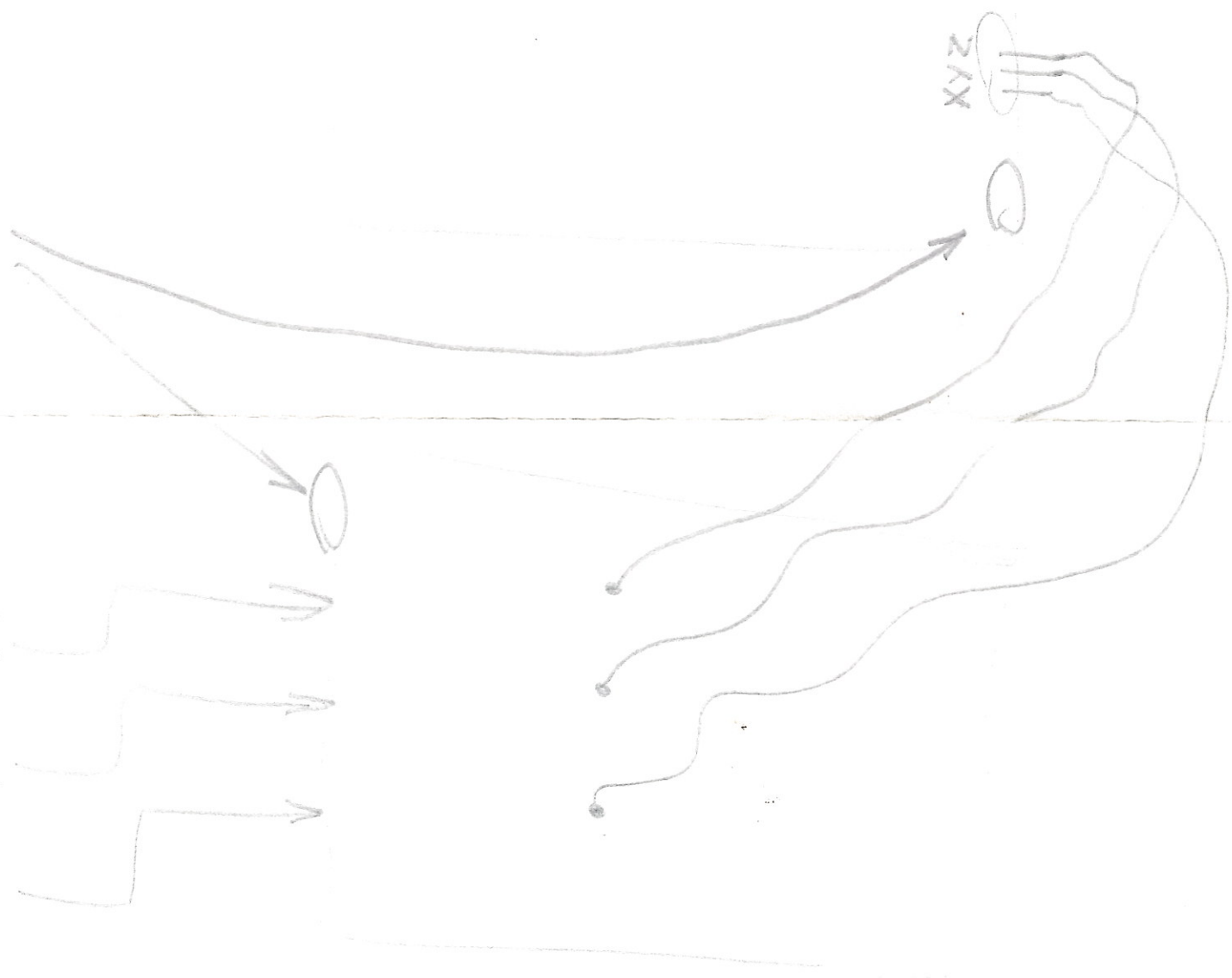
by
dr. Godfried-Willem Raes 1997



Power

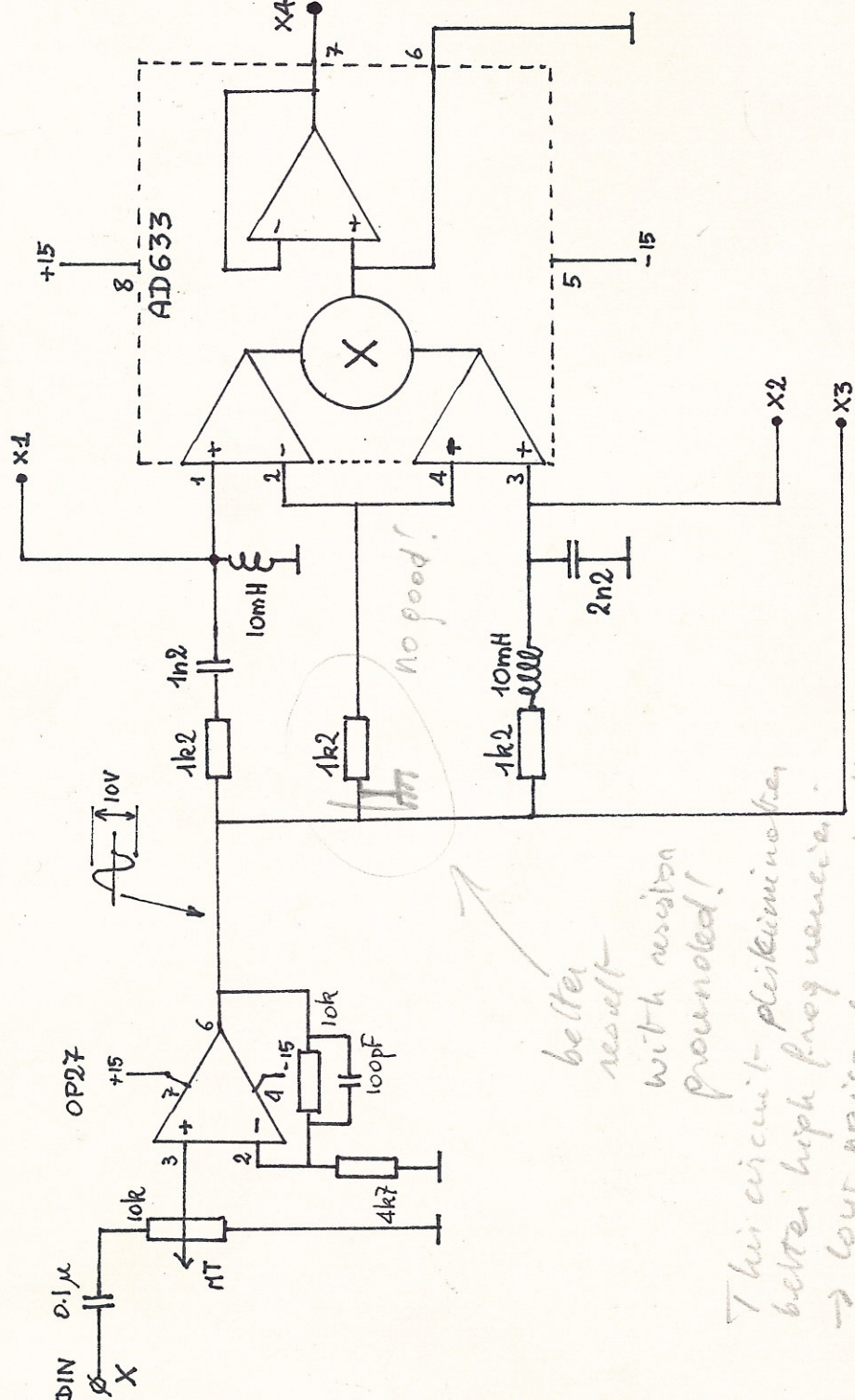
X
Y
Z

XYZ



BNC-5.



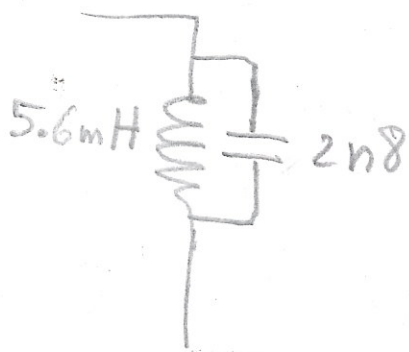
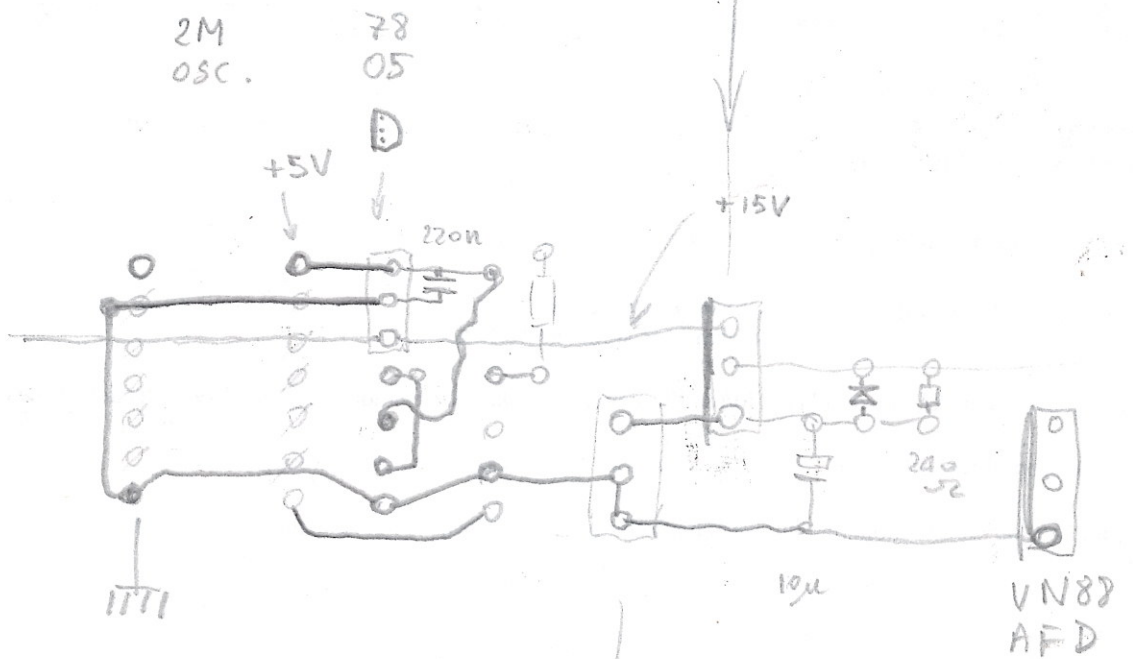
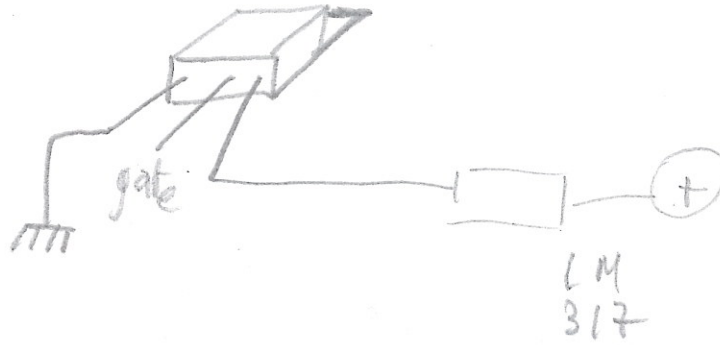


no good!

better result with resistor grounded!

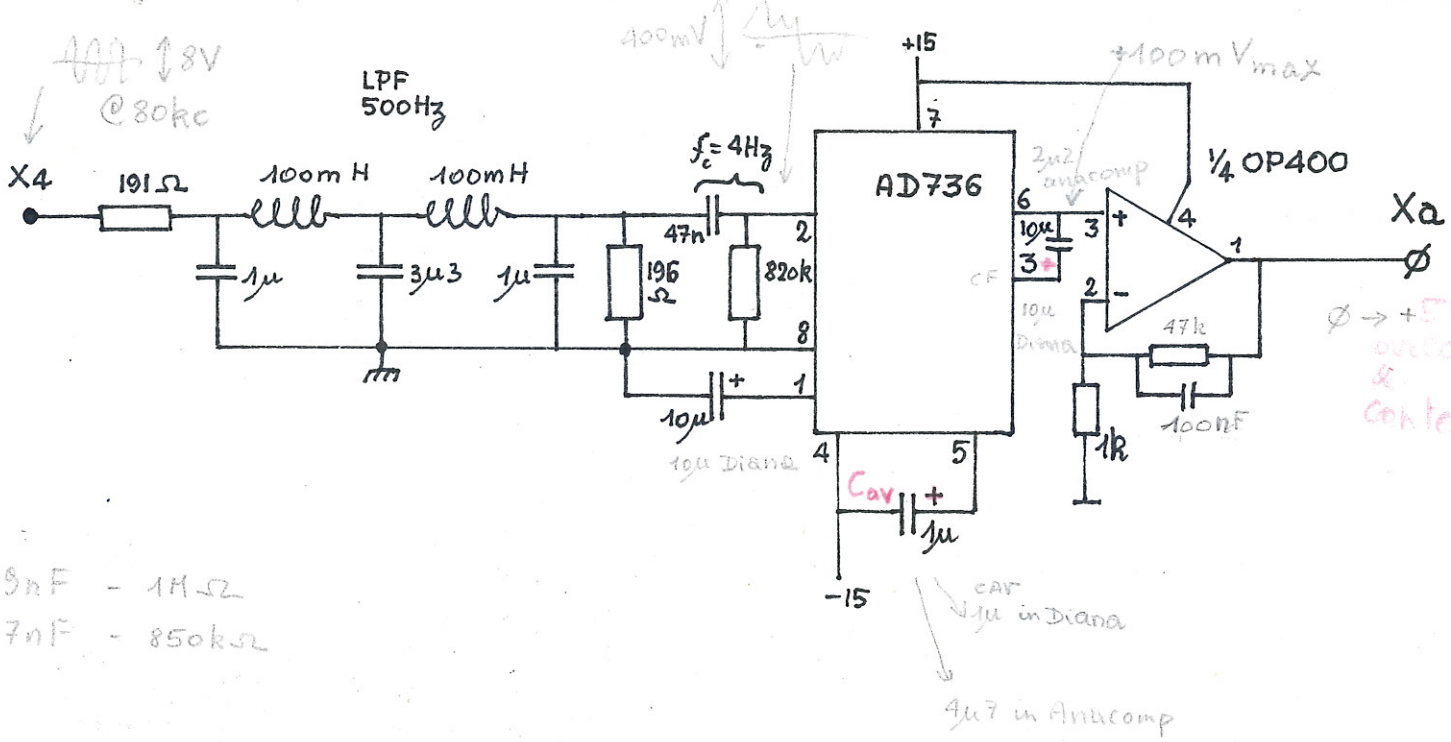
This circuit eliminates better high frequencies → low noise & uncontrolled movement is somewhat suppressed.

VN 88 AFD

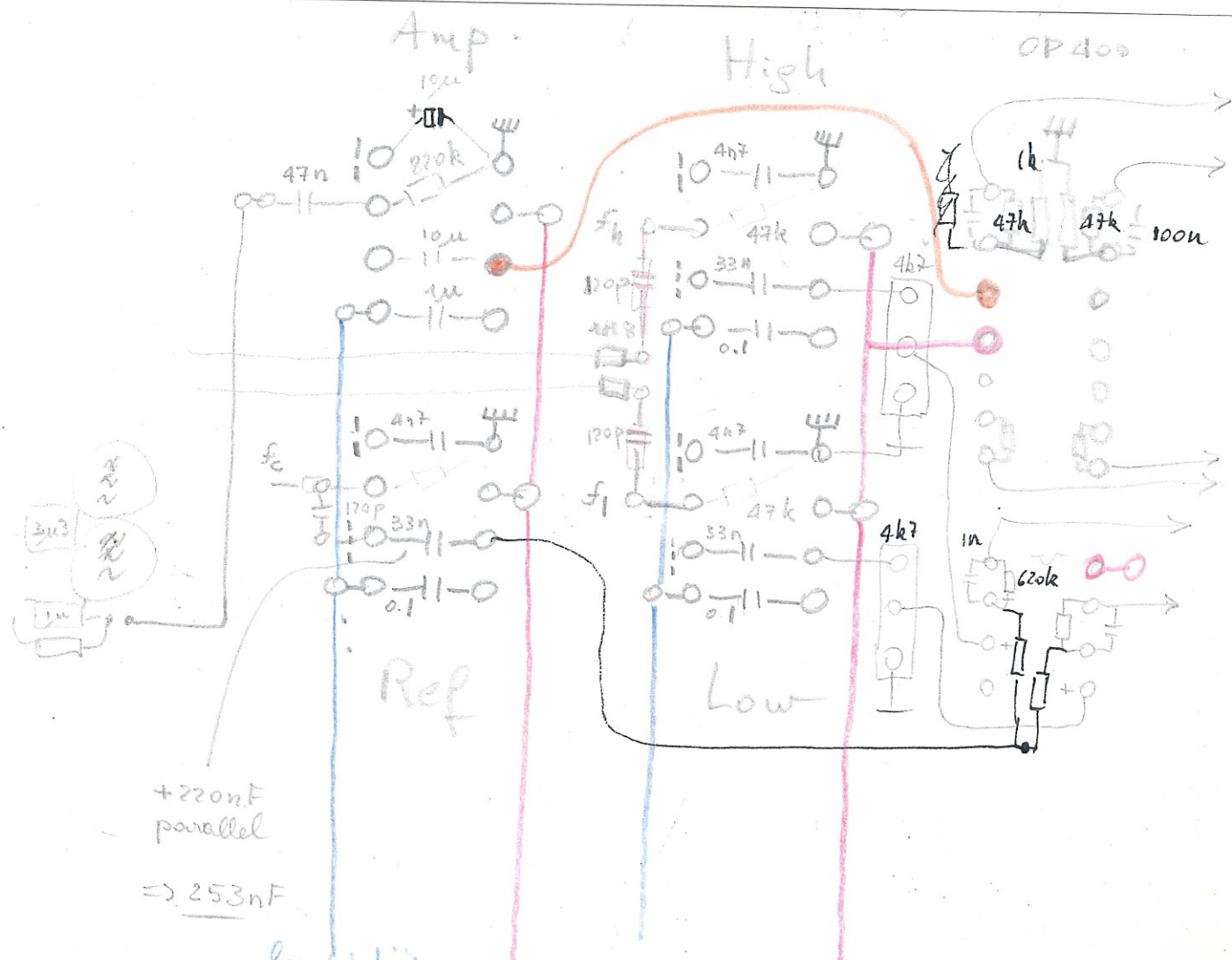


5k
Trim
MT

UST40T
transducer.
2n8



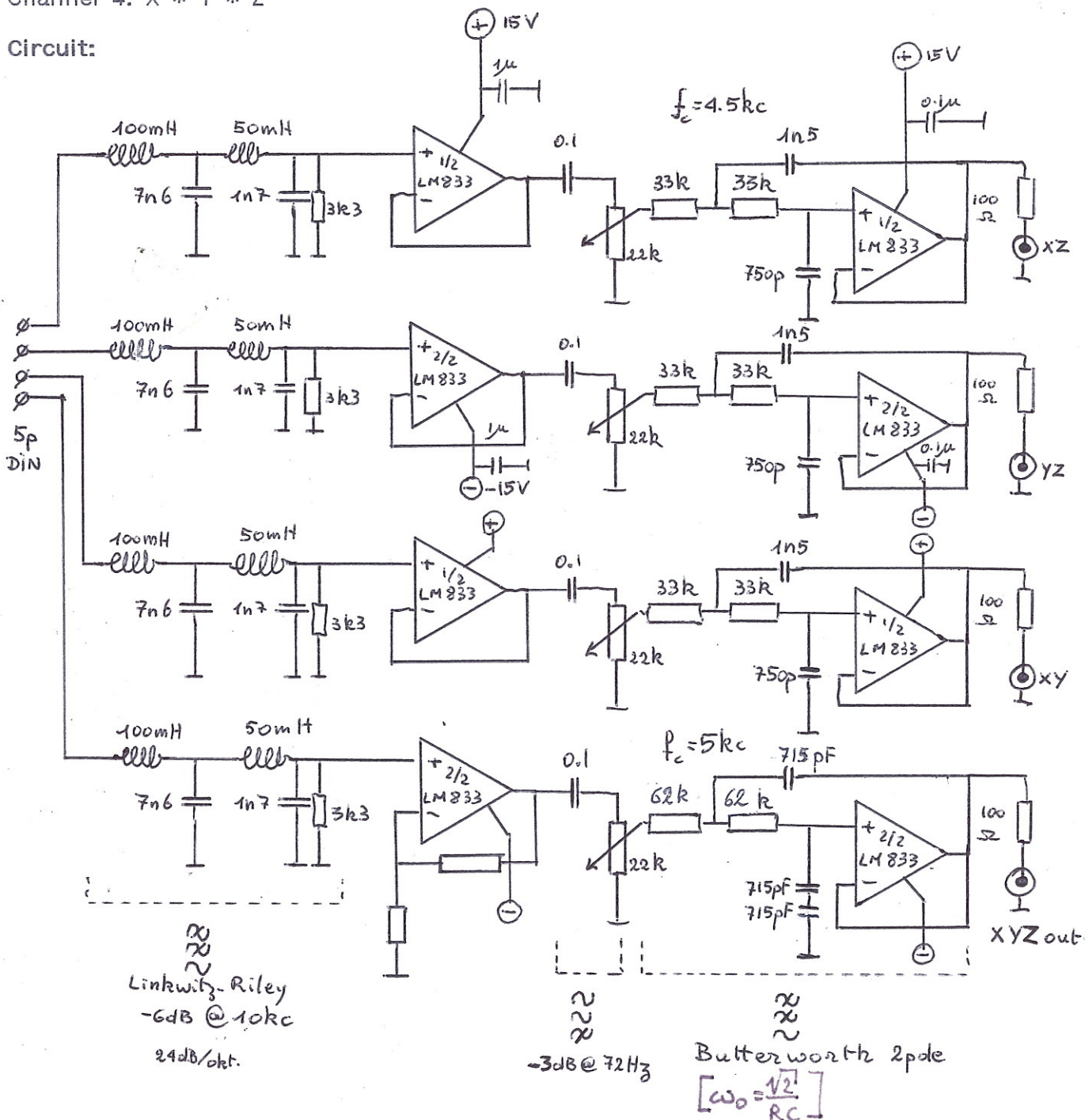
39nF - 1MΩ
 47nF - 850kΩ



Holosound analog audio board

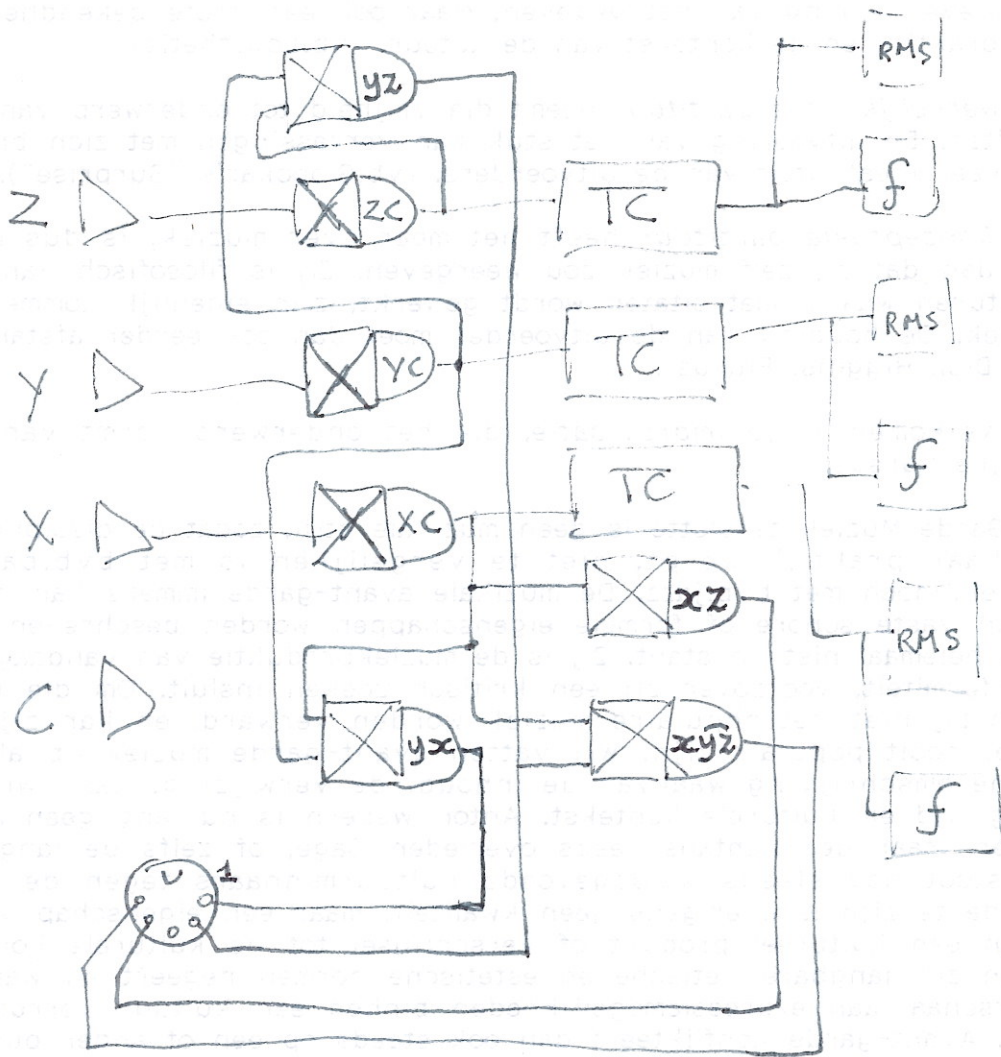
- Channel 1: X * Z
- Channel 2: Y * Z
- Channel 3: X * Y
- Channel 4: X * Y * Z

Circuit:



Board Map

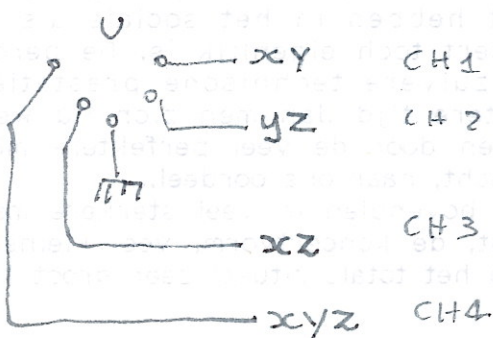
(Physical Layout)



WARNING:

These outputs are DC-coupled !!!

No 40kc filtering neither !!!



Anacomp

Meting Ruckwitz - Riley filter:

Meetpunt:

0 dB van 0 Hz
-6 dB @ 10 kc



20 kc

Signal IN: 20 V_{pk}

$$20 \text{ kc} = 1.4 \text{ V}_{pk}$$

$$25.5 \text{ kc} = 0.6 \text{ V}_{pk}$$

$$40 \text{ kc} = 100 \text{ mV}_{pk}$$

$$20 \text{ V} = 0 \text{ dB}$$

$$10 \text{ V} = -6$$

$$5 \text{ V} = -12$$

$$2.5 = -18$$

$$1.25 = -24$$

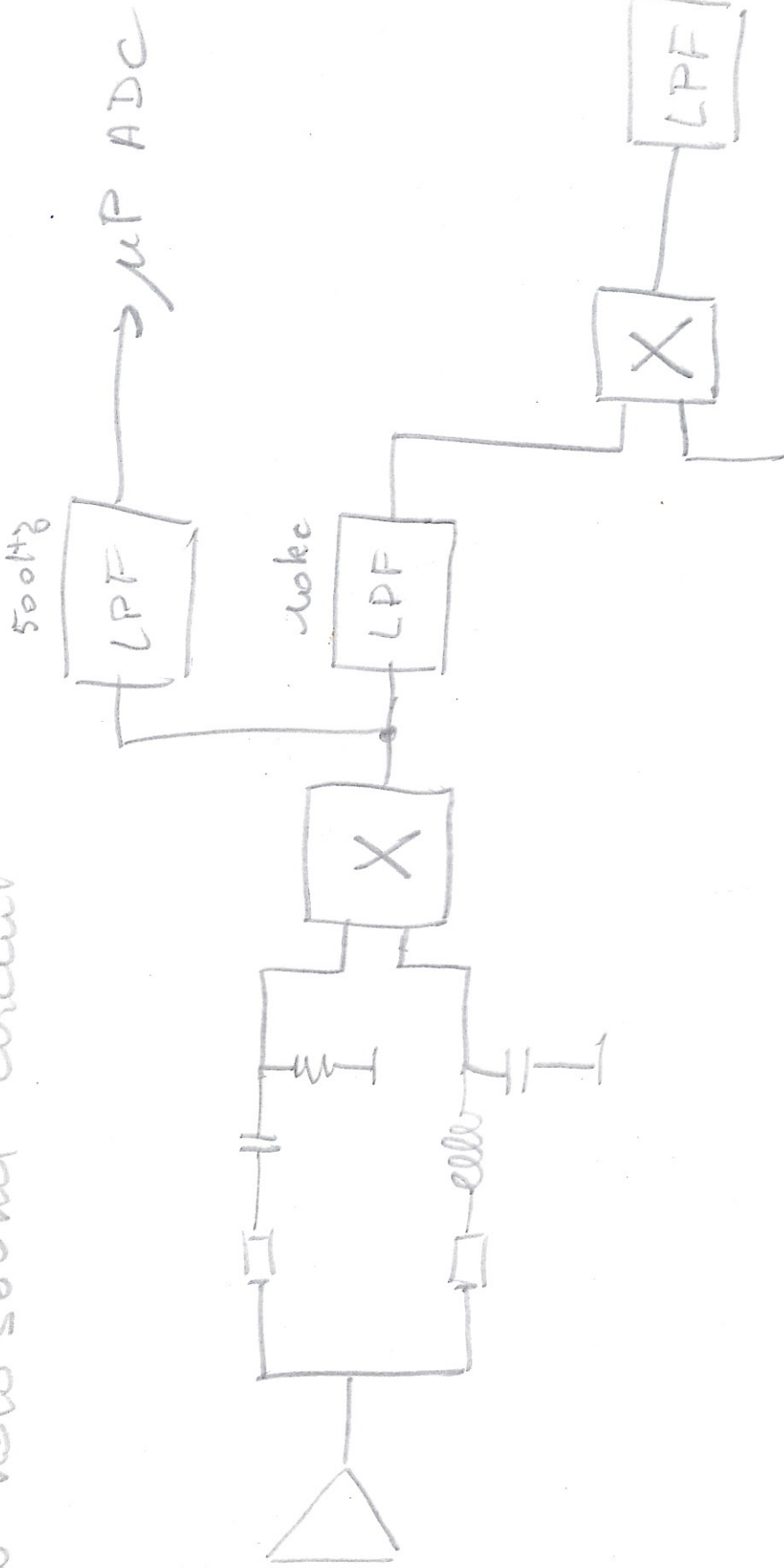
$$0.625 = -30 \quad 25 \text{ kc}$$

$$0.312 = -36$$

$$0.155 = -42$$

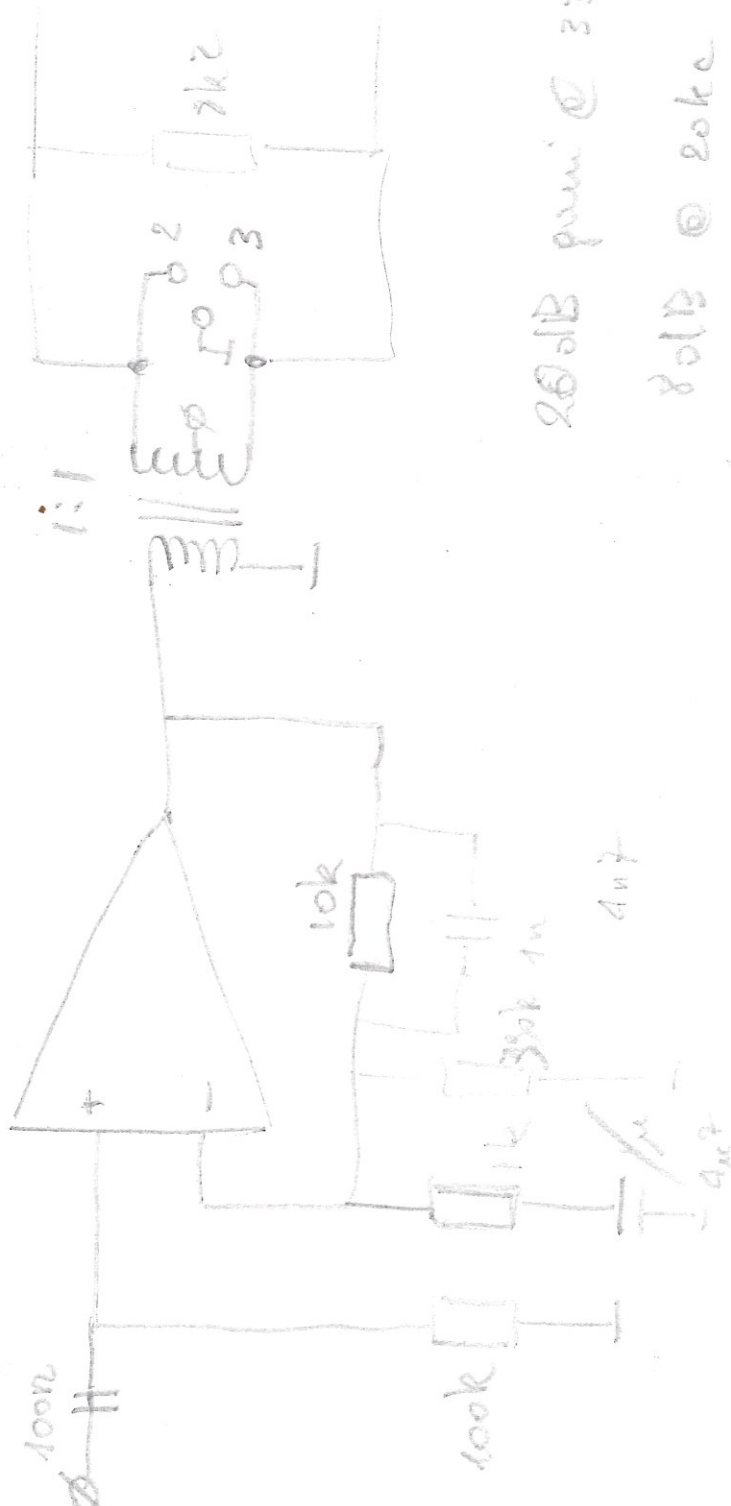
$$0.075 = -48 \text{ dB}$$

New holo sound circuit



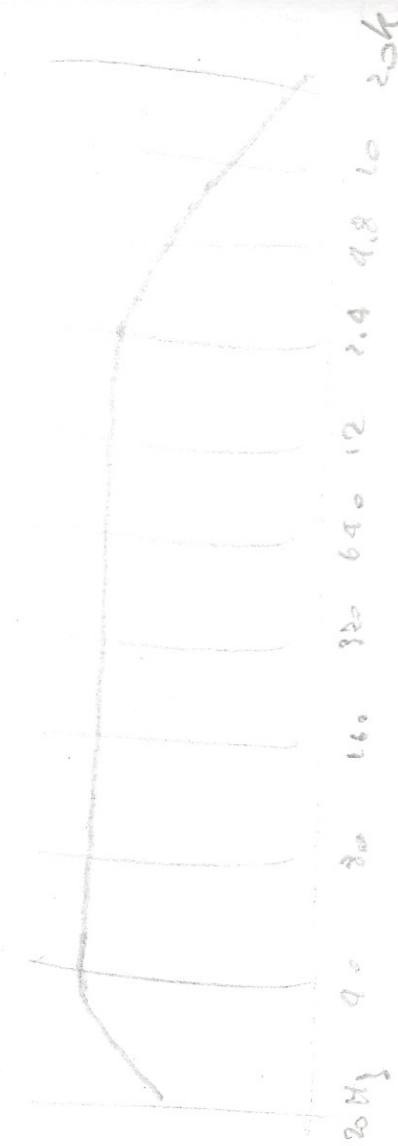
LF356

$100\mu\text{A}$ 20Hz
(82H)



20dB gain @ 335Hz

80dB @ 20kHz

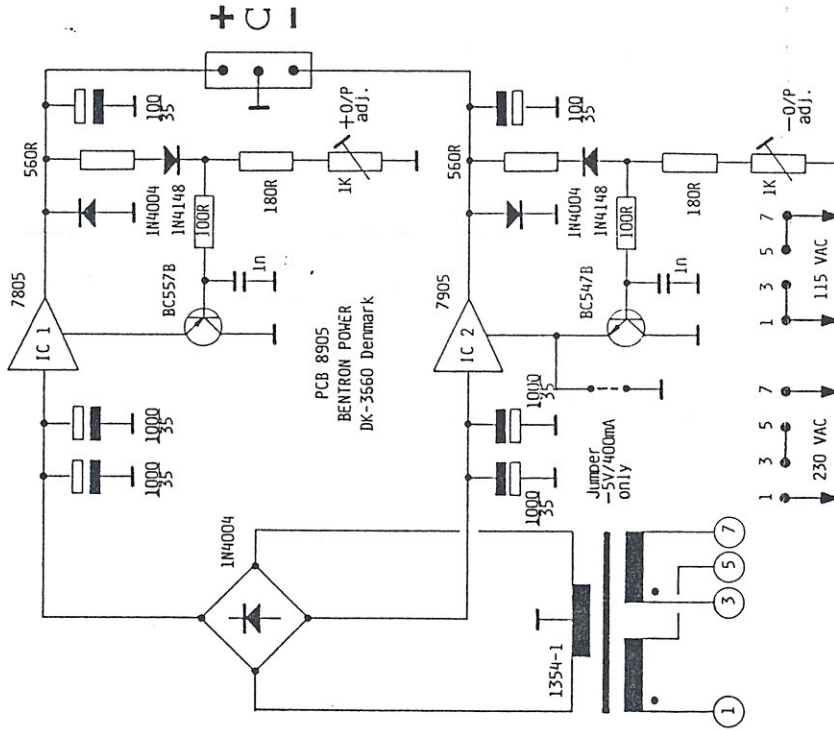
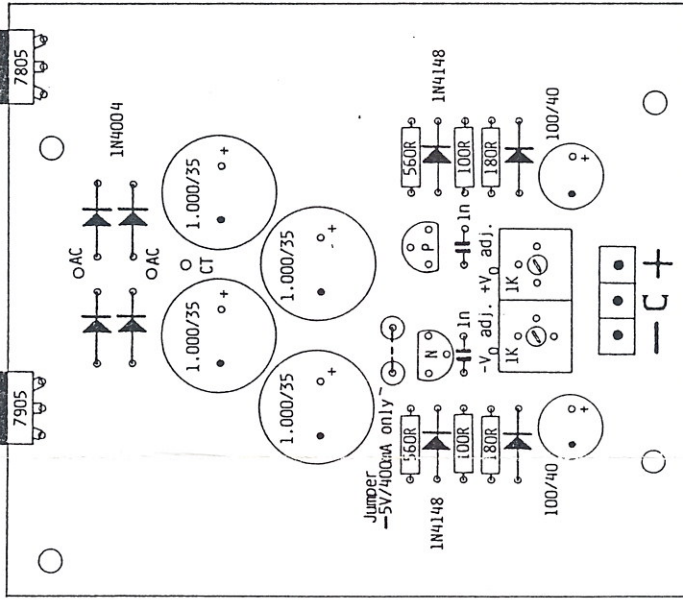


Bentron Power

used

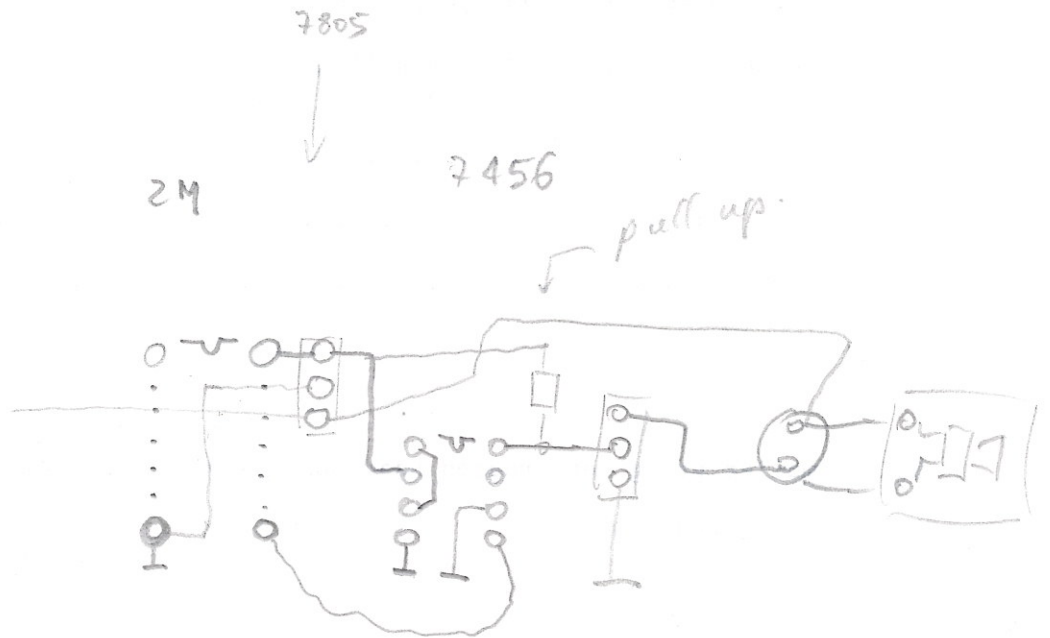
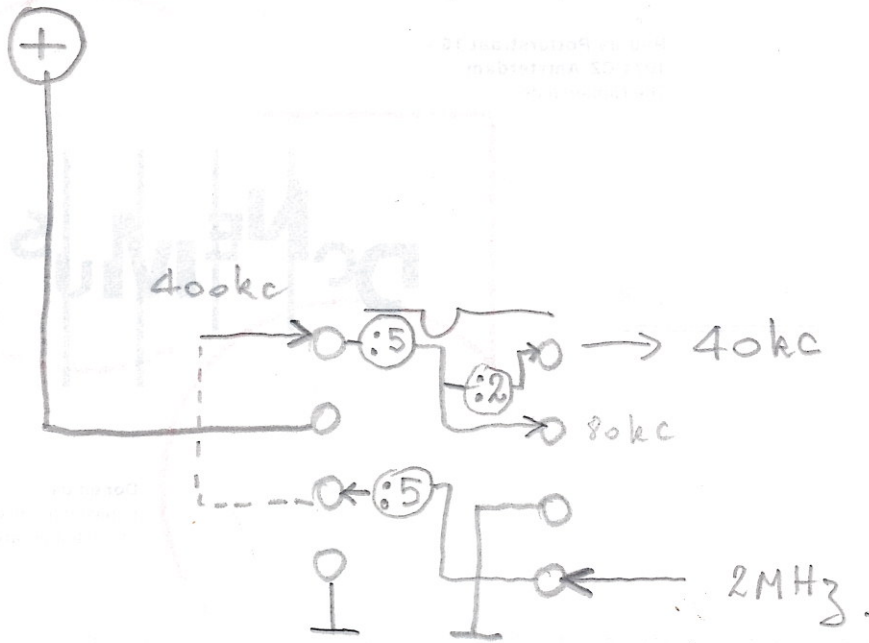
BENTRON POWER
DA-12/1

BENTRON DA 12/1
PCB 8905
11/8/89

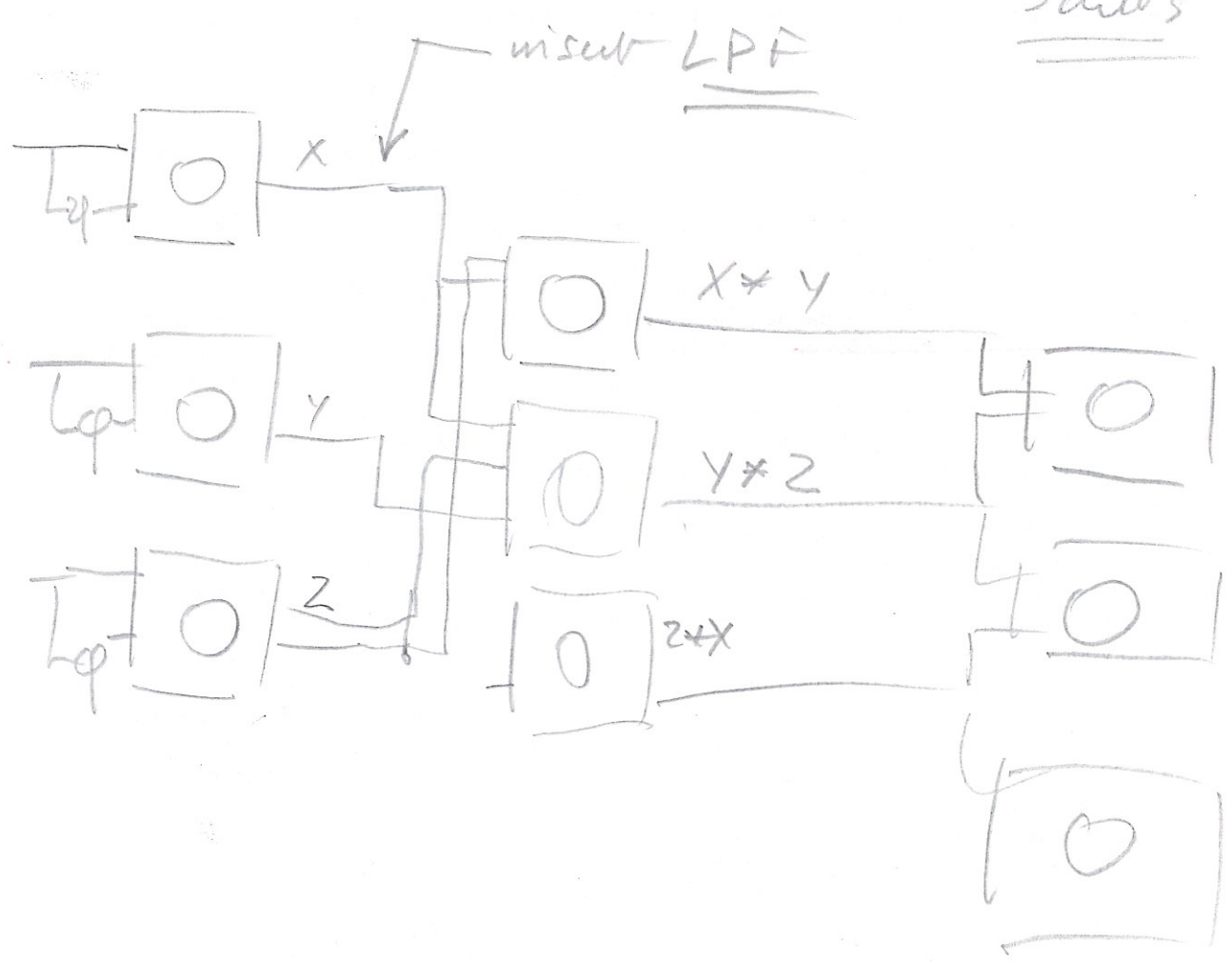


Both output rails are adjustable independently from 8V....15V. The negative rail can be programmed to give -5V output (fixed) and 400 mA. Just solder a jumper between the 2 solderlugs on the printed circuit board.

OUTPUT 1	OUTPUT 2
+12V 1.0A	-12V 1.0A
+15V 0.8A	-15V 0.8A
+12V 1.0A	-5V 0.4A
+15V 0.8A	-5V 0.4A

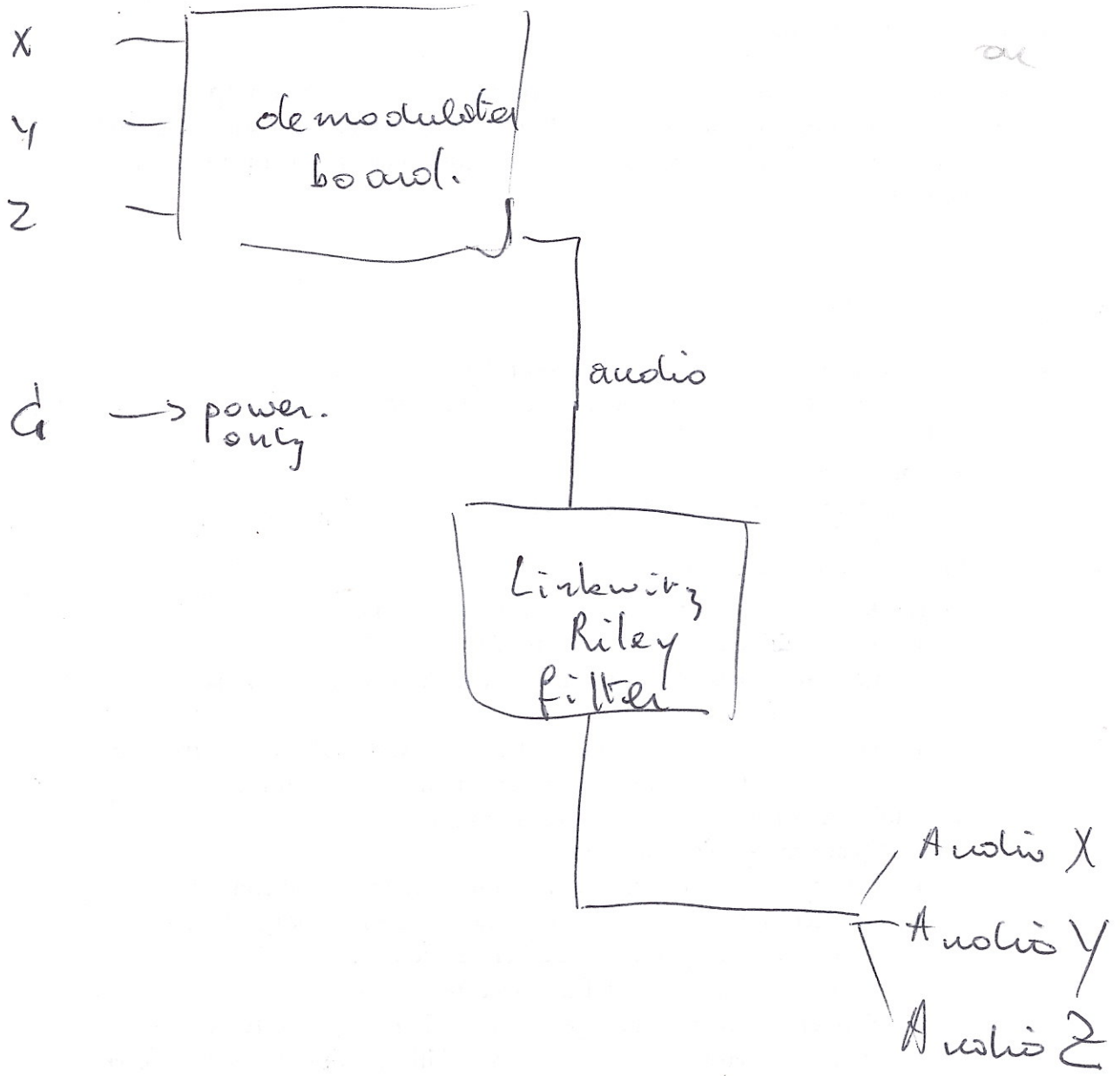


Schritt 5



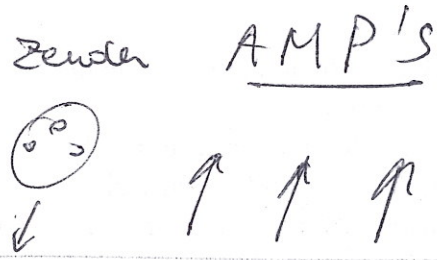
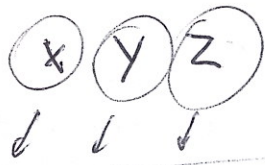
x	$x * y$	$x \cdot y^2 \cdot z$	$x^2 y^3 z^3$
y	$y * z$	$y \cdot z^2 \cdot x$	$y^2 \cdot x^3 \cdot z^3$
z	$z * x$	$z \cdot x^2 \cdot y$	$z^2 \cdot y^3 \cdot x^3$

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Conner
Conner

(sol)
no maximum i/e domain



br
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