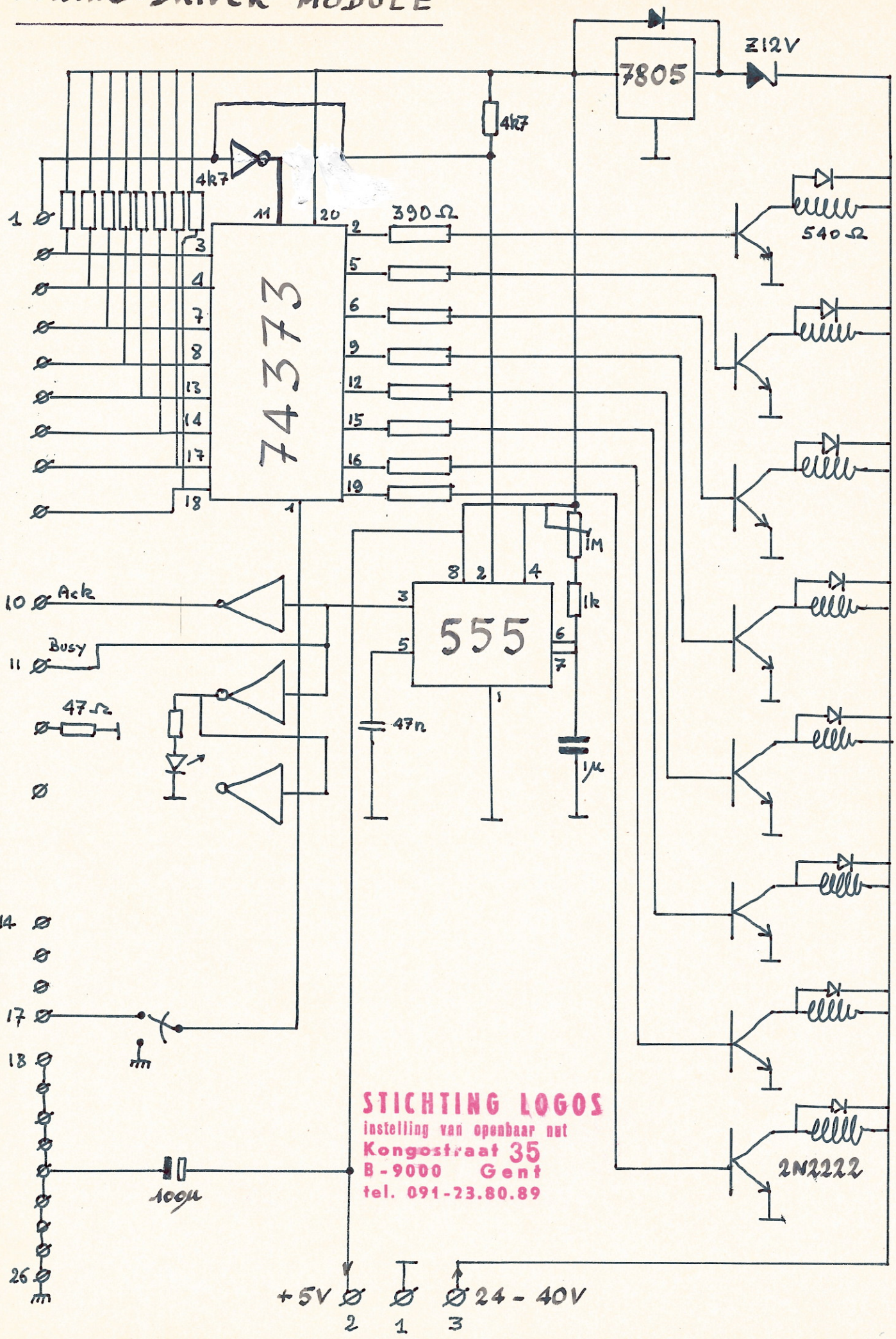


# STRING-DRIVER MODULE



**STICHTING LOGOS**  
 instelling van openbaar nut  
 Kongostraat 35  
 B-9000 Gent  
 tel. 091-23.80.89

+5V 2 1 3 24-40V

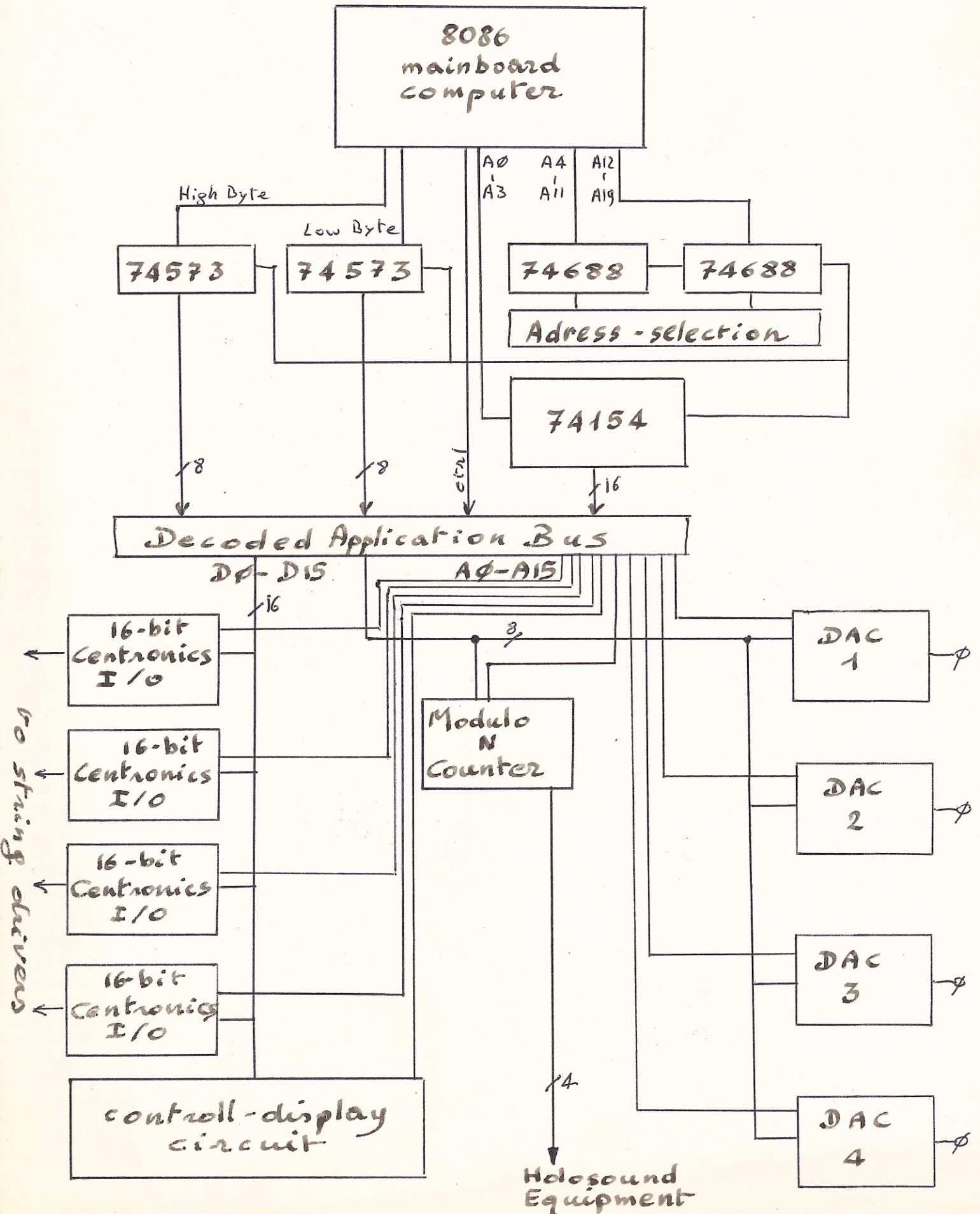
# STICHTING LOGOS

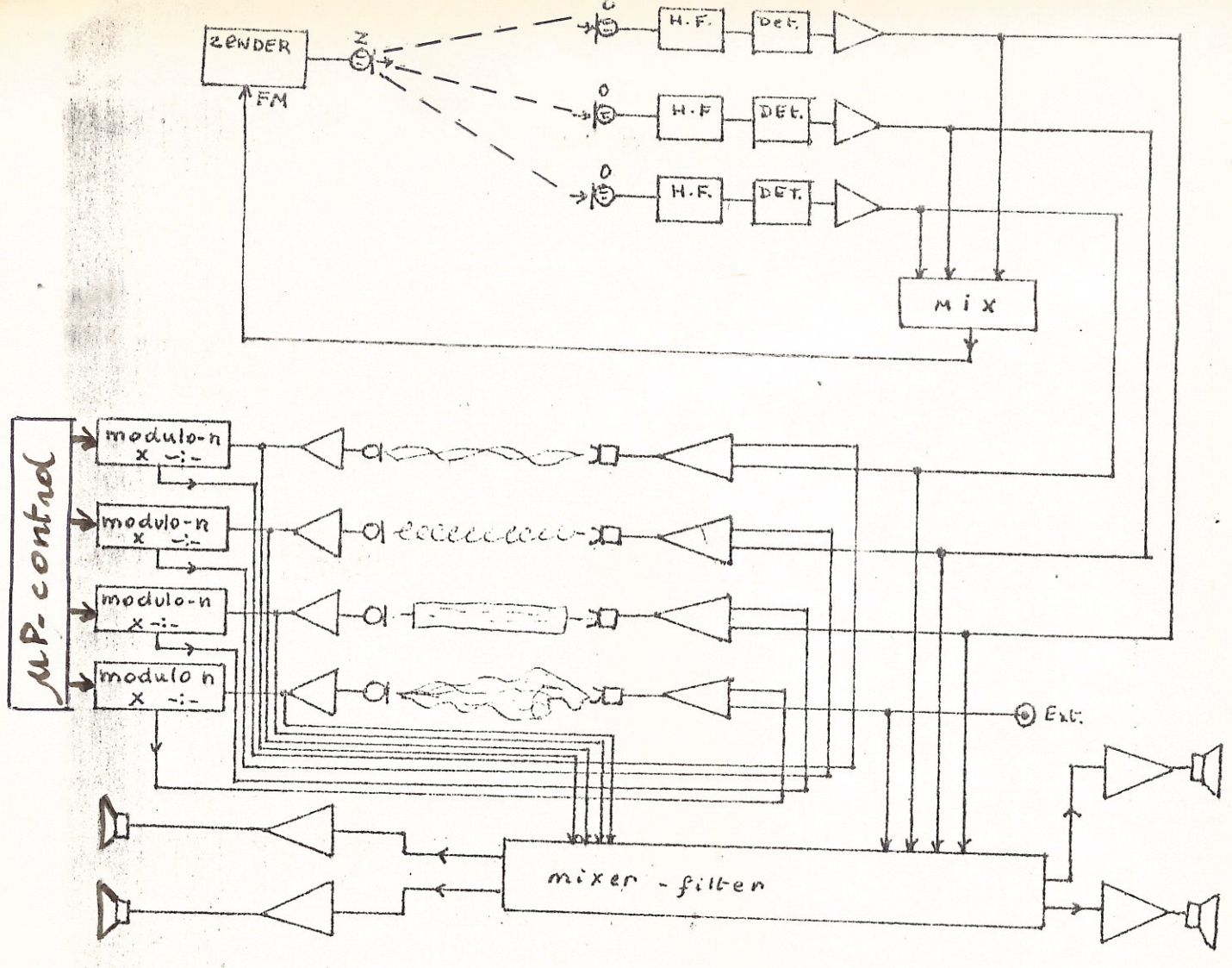
instelling van openbaar nut

Kongstraat 35

B-9000 Gent

tel. 091-23.80.89



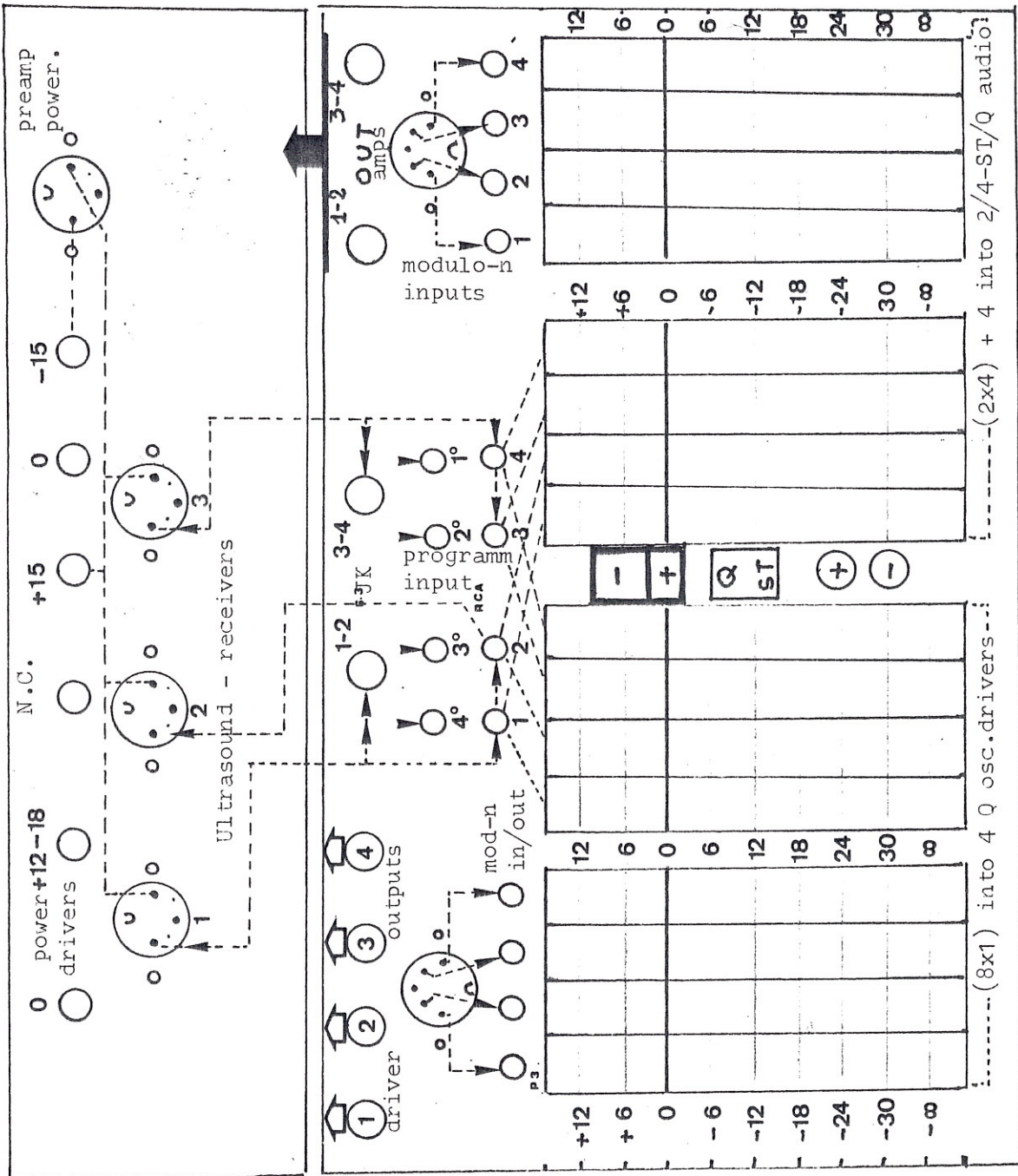


Holosound  
 general overview  
 schematic

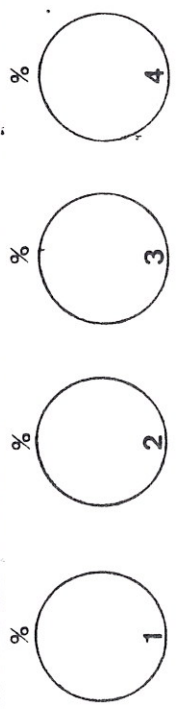
**STICHTING LOGOS**  
 instelling van openbaar nut  
 Kongostraat 35  
 B-9000 Gent  
 tel. 091-23.80.89

HOLOSOUND

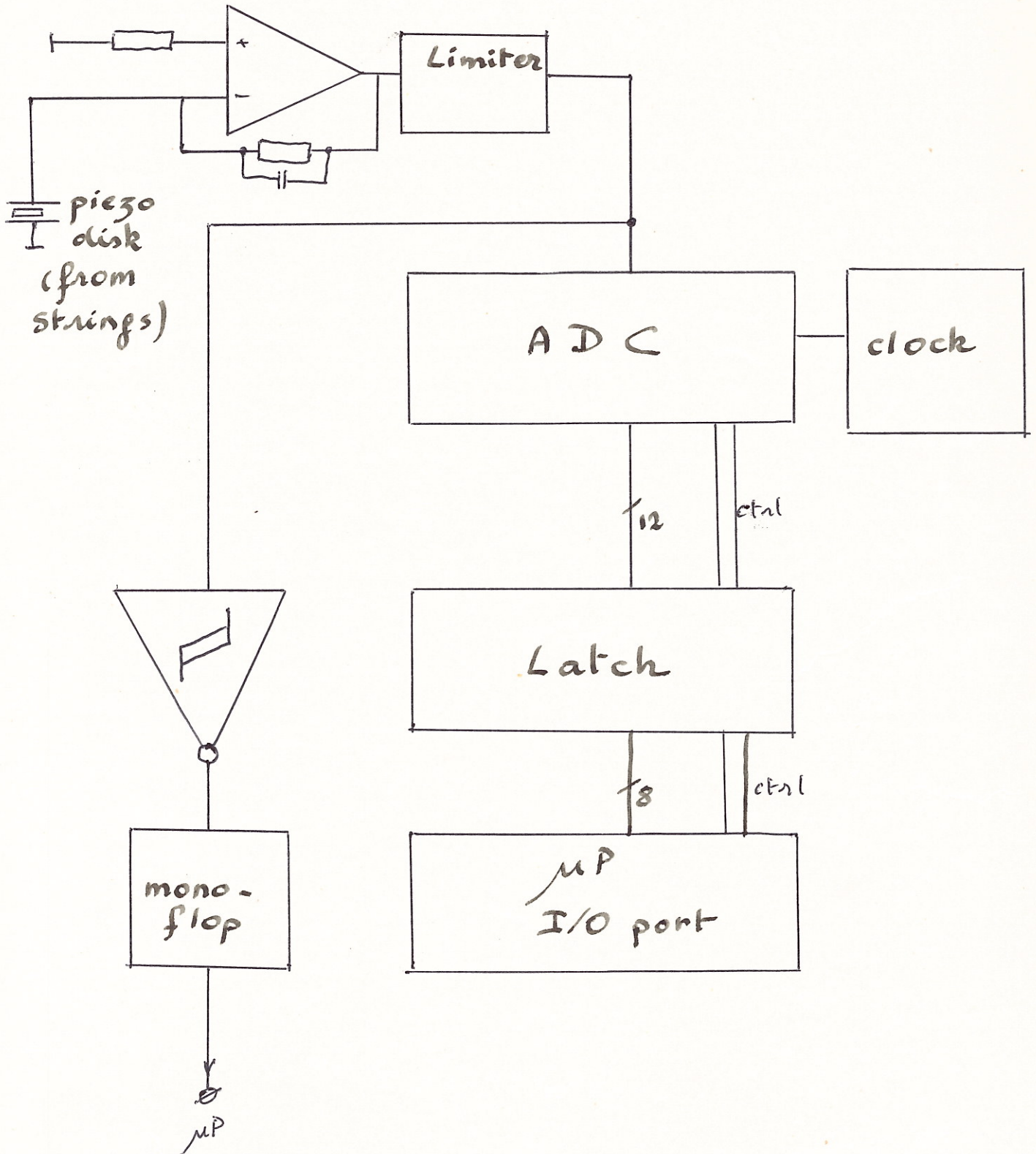
patchpaper for scoring

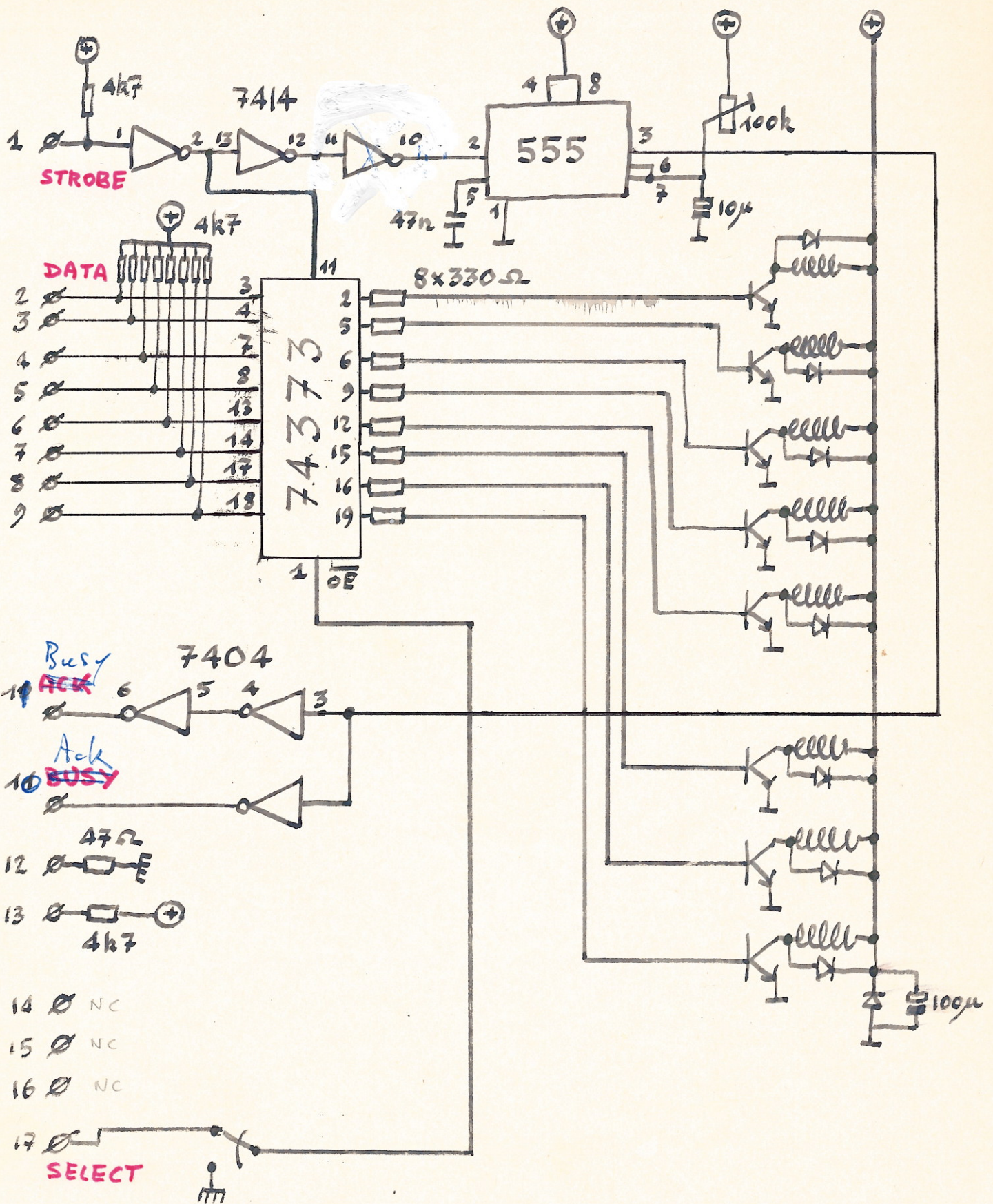


logotronics 84



modulo-n dividers - programming switches



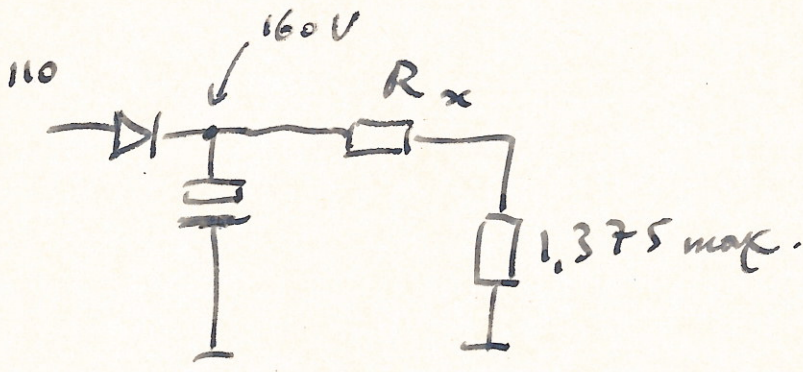
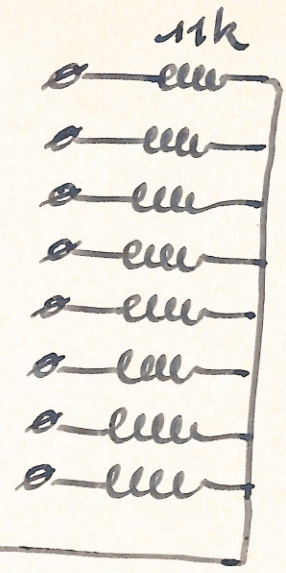
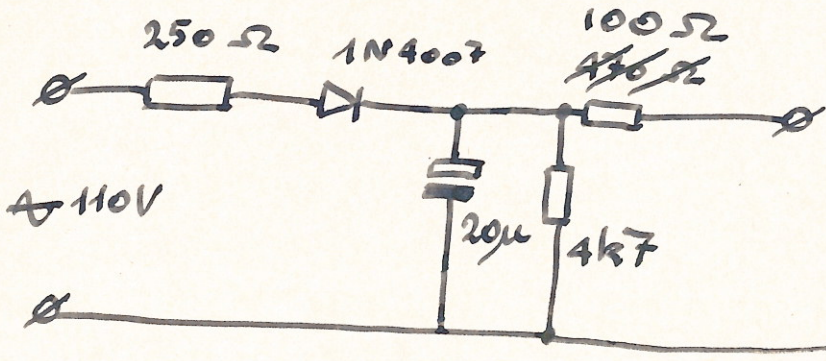


Production: STICHTING LOGOS  
 Kongostraat 35  
 B-9000 Gent, BELGIUM

PRINT / MODULE II

- Hamersturing -

# HAMERTJES



1 load = 1k  $\Omega$   
 8 loads = ~~8~~  $\frac{11}{5}$  k  $\Omega$   
 = 1,375.

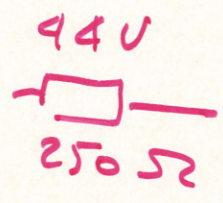
$$\frac{160}{R_x + 1,375} = \frac{100}{1,375}$$

$$220 = 100R_x + 137,5$$

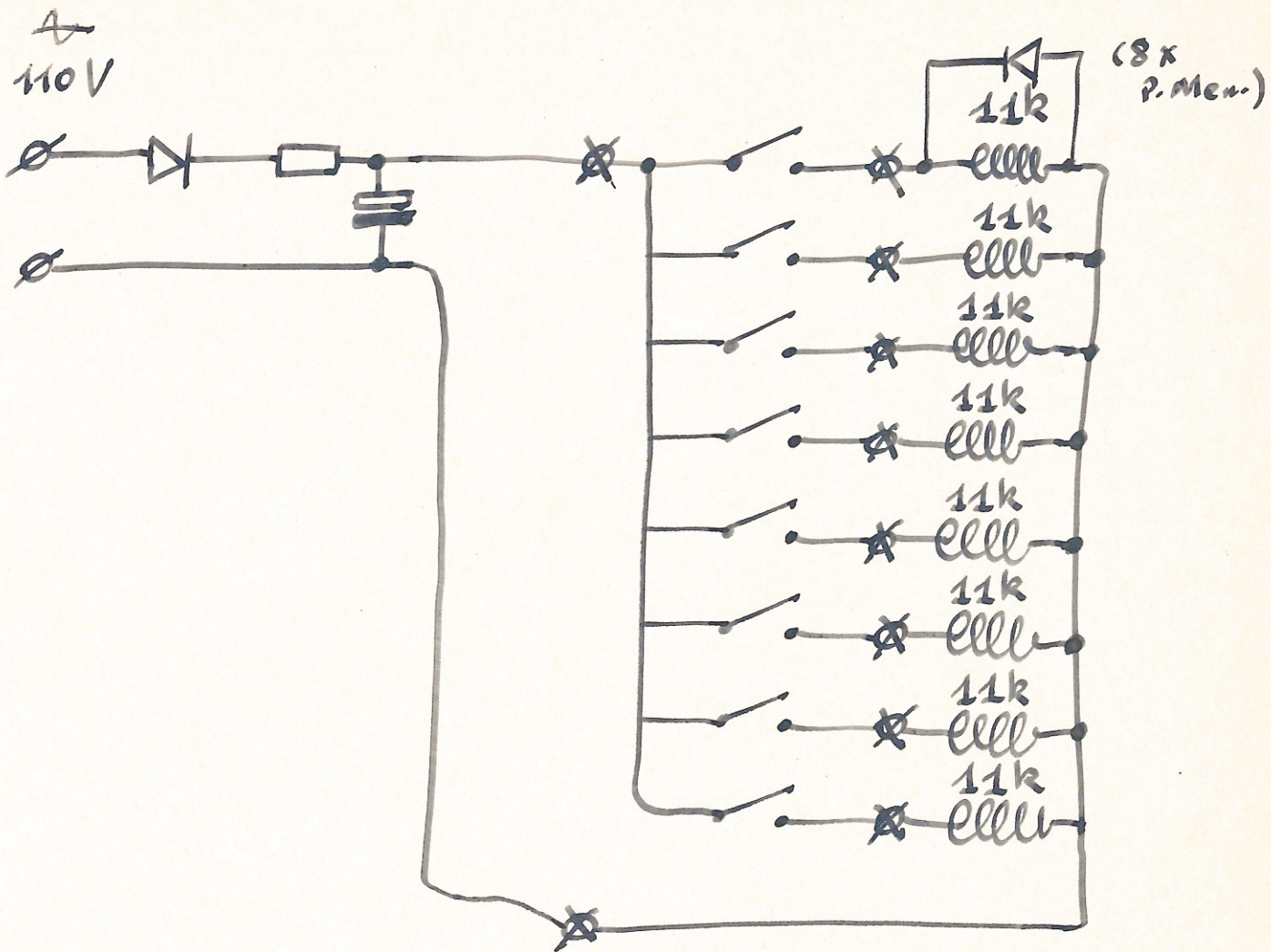
$$100R_x = 82,5$$

$$R_x = 0,825$$

$$= \underline{\underline{825 \Omega}}$$







worst case load:  $1,375k\Omega$

$$I_{\max} = \underline{\underline{80\text{mA}}}$$

## MODULE I

8-Kanaals I/O  
Kaart met Relais

Specs :- I/O adres: LPT 1  
PRN

- Centronics ;

- 1 byte + - Strobe  
- Ack  
- Busy  
- Select

Brukbare I/O adresser:

2H00C0 - 0041

Sound generation  
on Tandy 1000

2H00E0 - 01FF

Joystick: 0200 - 02FF

2H0330 - 036F ; Not assigned

# "STR&MYT"

---

---

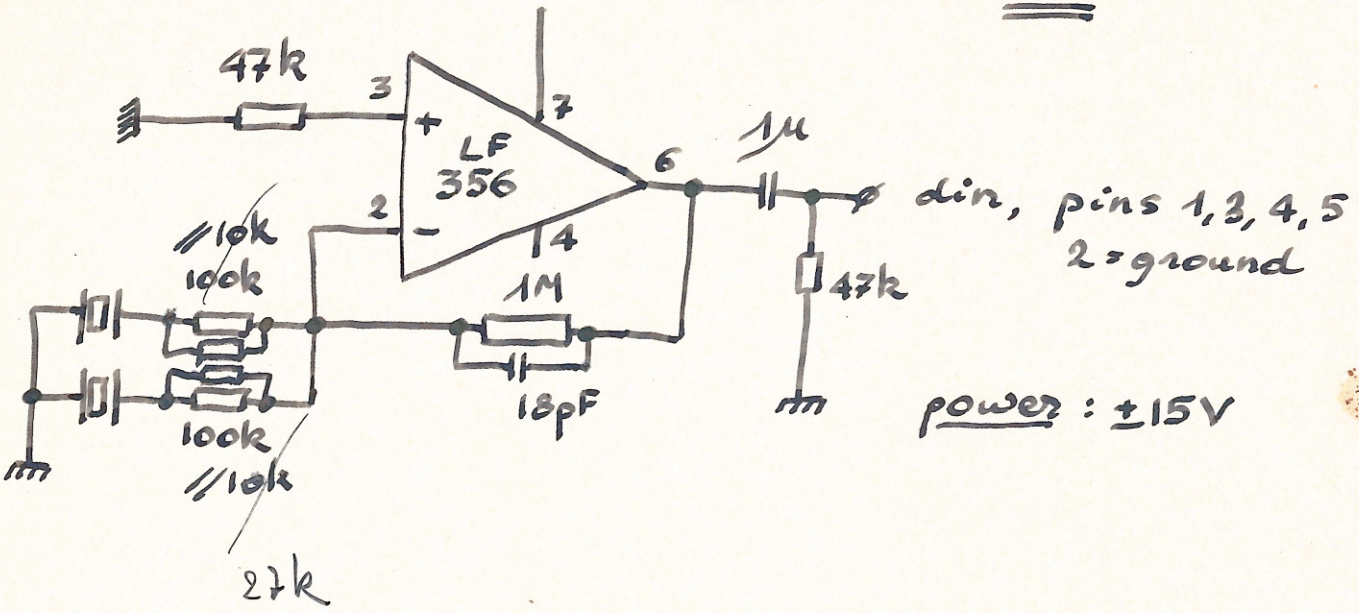
Strings and Mythes  
for computer-harp and  
poetry.

10/1986

Production: STICHTING LOGOS  
Kongostraat 35  
B-9000 Gent, BELGIUM

# Piezoelectric receiver print

4x



# Adressen printerpoort

1/ Tandy 1000

		Printer data latch	
&H 378	:	data byte	LPT 1
		bit 0 = LSB	
		bit 7 = MSB	
&H 379	:	printer, read status	LPT 1
bit 0	-		
1	-		
2	-		
3	-	Error if 0	
4	1	= printer selected	
5	0	= End of form	
6	0	= Acknowledge	
7	0	= Busy	
&H 37A	:	printer control latch	LPT 1
bit 0	0	= strobe	
1	0	= Auto FD XT	
2	0	= Initialize	
3	0	= Select printer	
4	1	= Enable Interrupt	
5	0	= Enable Output Data	
6	-		
7	-		
&H 37B	:	Printer, not used	LPT 1
&H 37C	:	Printer, Data latch	LPT 2
&H 37D	:	Printer, Read Status	LPT 2
&H 37E	:	Printer, Control latch	LPT 2
&H 37F	:	Printer, not used	LPT 2

# IBM - Centron. connector D 25.

## Pin

1	Strobe	act. = $\emptyset$
2		
1		
9	Data	$\emptyset \rightarrow 7$
10	Ack	act = $\emptyset$
11	Busy	act = 1
12	Paper end	act = 1
13	Print. Select	act = 1
14	PrintLFastackR	act = $\emptyset$
15	Printer Error	act = $\emptyset$
16	Initialise prt.	act = $\emptyset$
17	Select in	act = $\emptyset$
18	Ground OV	
25	Ground OV	

## I/O Programme.

```
FOR ONTIME = 0 TO 64
FOR OFFTIME = 64 TO 0 STEP -1
FOR X = 0 TO 255
```

```
[ FOR A = 0 TO ONTIME
  LPRINT CHR$(X);
  FOR B = 0 TO OFFTIME
    LPRINT CHR$(0);
  NEXT B
NEXT A
```

```
NEXT X
NEXT OFFTIME
NEXT , ONTIME
```

```
STROBE = INP(&H37A)
OUT(&H378), (X) OUT
GOSUB 1000.
```

```
1000 ' strobe generator
1001 OUT(&H37A), (STROBE + 1)
1002 OUT(&H37A), (STROBE)
1003 RETURN
```



Transfo  
AC spanning

DC out  
na regelster

9V

5V

16V

12V

18V

14V

$\mu$ P-XT Voeding - specs.

5V	15 Amp	5%
12V	4,2 Amp	5%
-5	500 mA	10%
-12	500 mA	10%

IBM - originele PC voeding :

5V	7 A	-
12V	2 A	
-5	300 mA	
-12	250 mA	

2 floppy's + mobler board = 3A / 5V

→ rest 4A voor expansie.