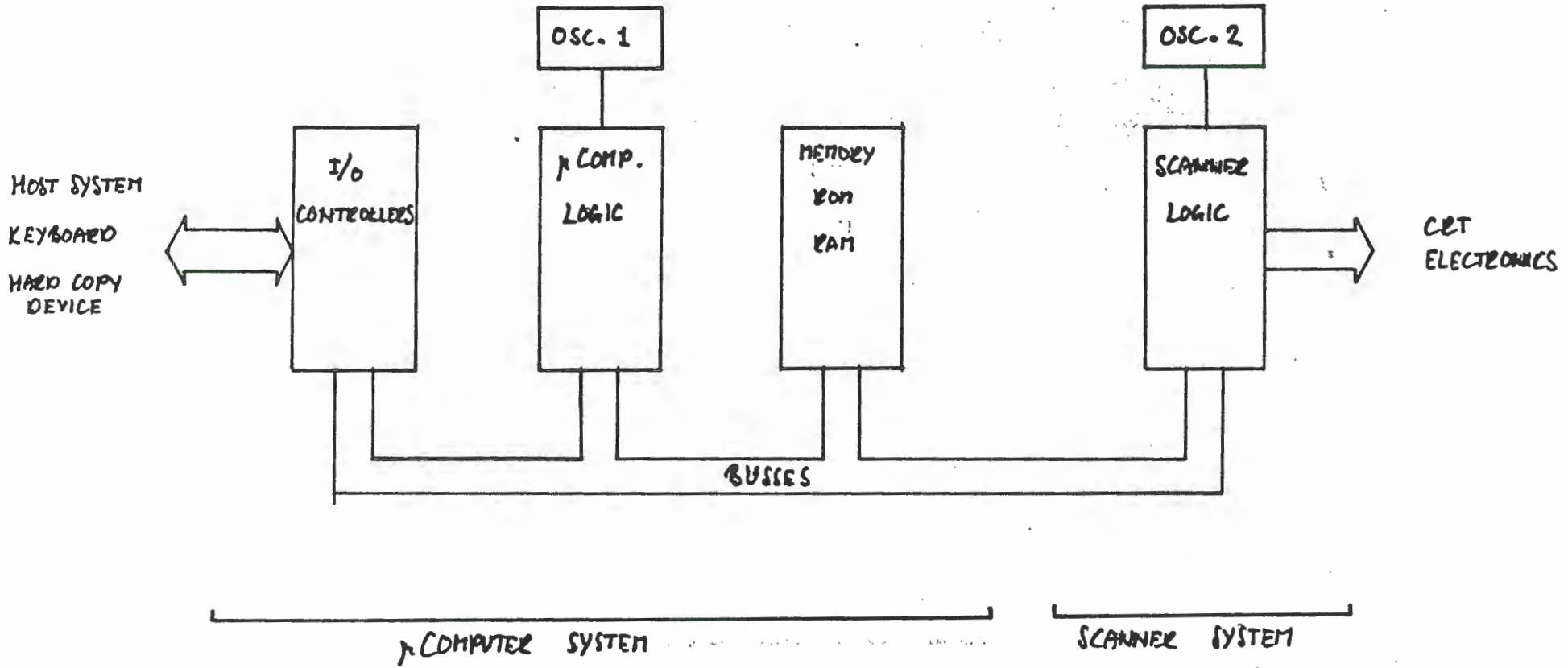
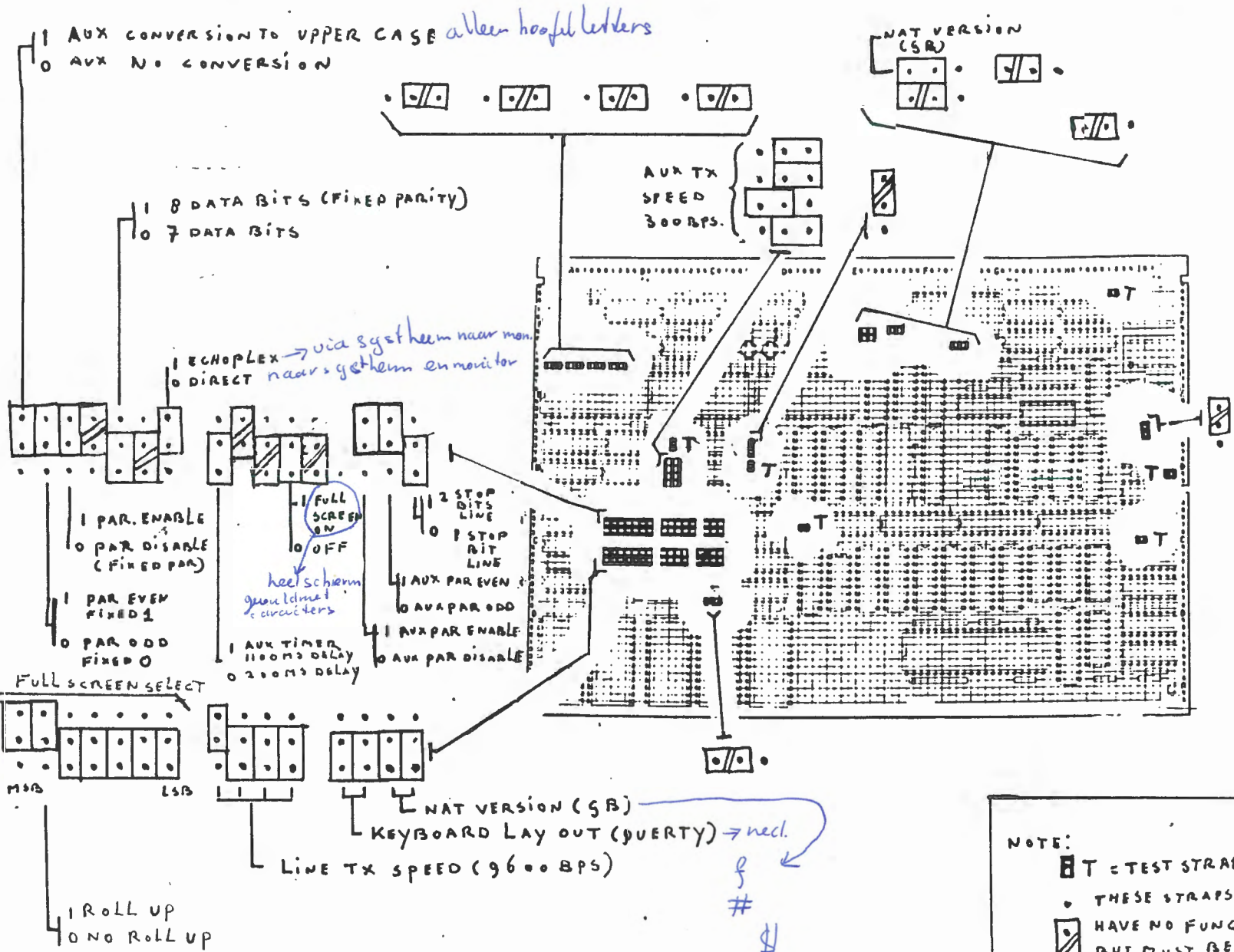


CRK-1 PCB





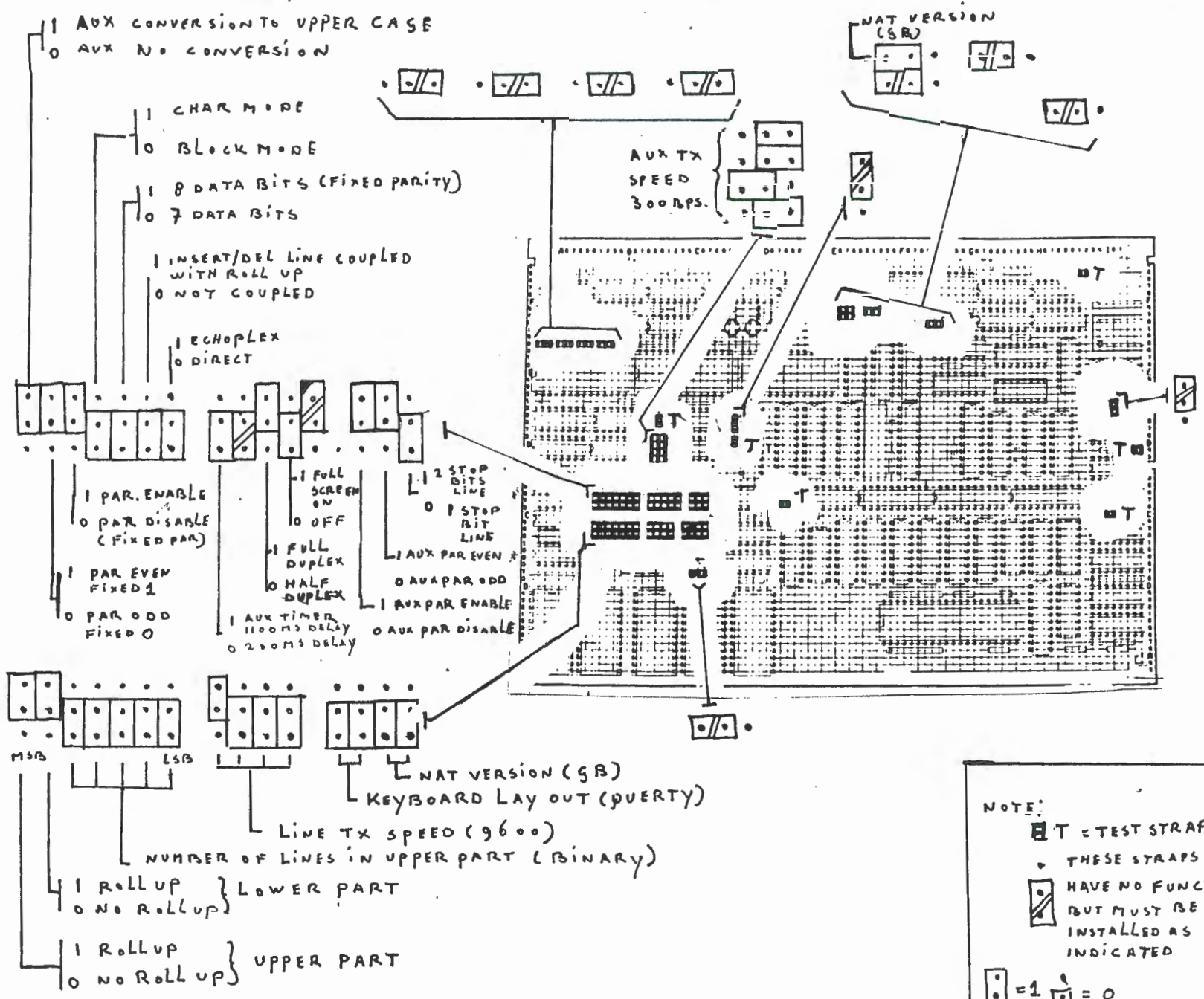
NOTE:

- T = TEST STRAP
- THESE STRAPS HAVE NO FUNCTION BUT MUST BE INSTALLED AS INDICATED

= 1 = 0

HO-2

CR4



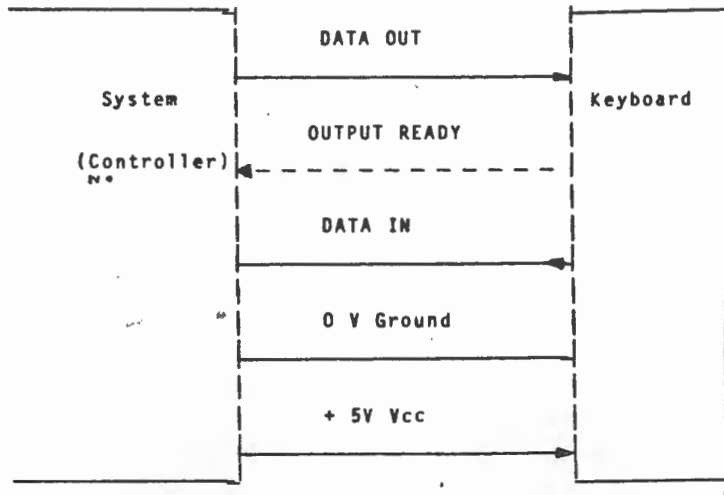
HO-3

NOTE:

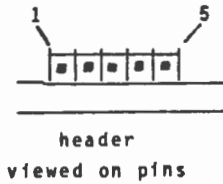
- ☐ T = TEST STRAP
- THESE STRAPS HAVE NO FUNCTION BUT MUST BE INSTALLED AS INDICATED

☐ = 1 ☐ = 0

CRK



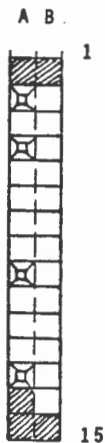
KEYBOARD PCB CONNECTOR



- 1 OUTPUT READY (not implemented)
- 2 + 5V Vcc
- 3 DATA OUT
- 4 DATA IN
- 5 0V ground return

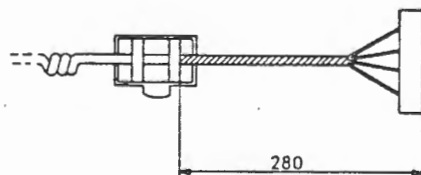
CONNECTION CABLE VDU SIDE

A suitable extraction tool shall be provided. This has to be fixed between A/B 1 and A/B 15.

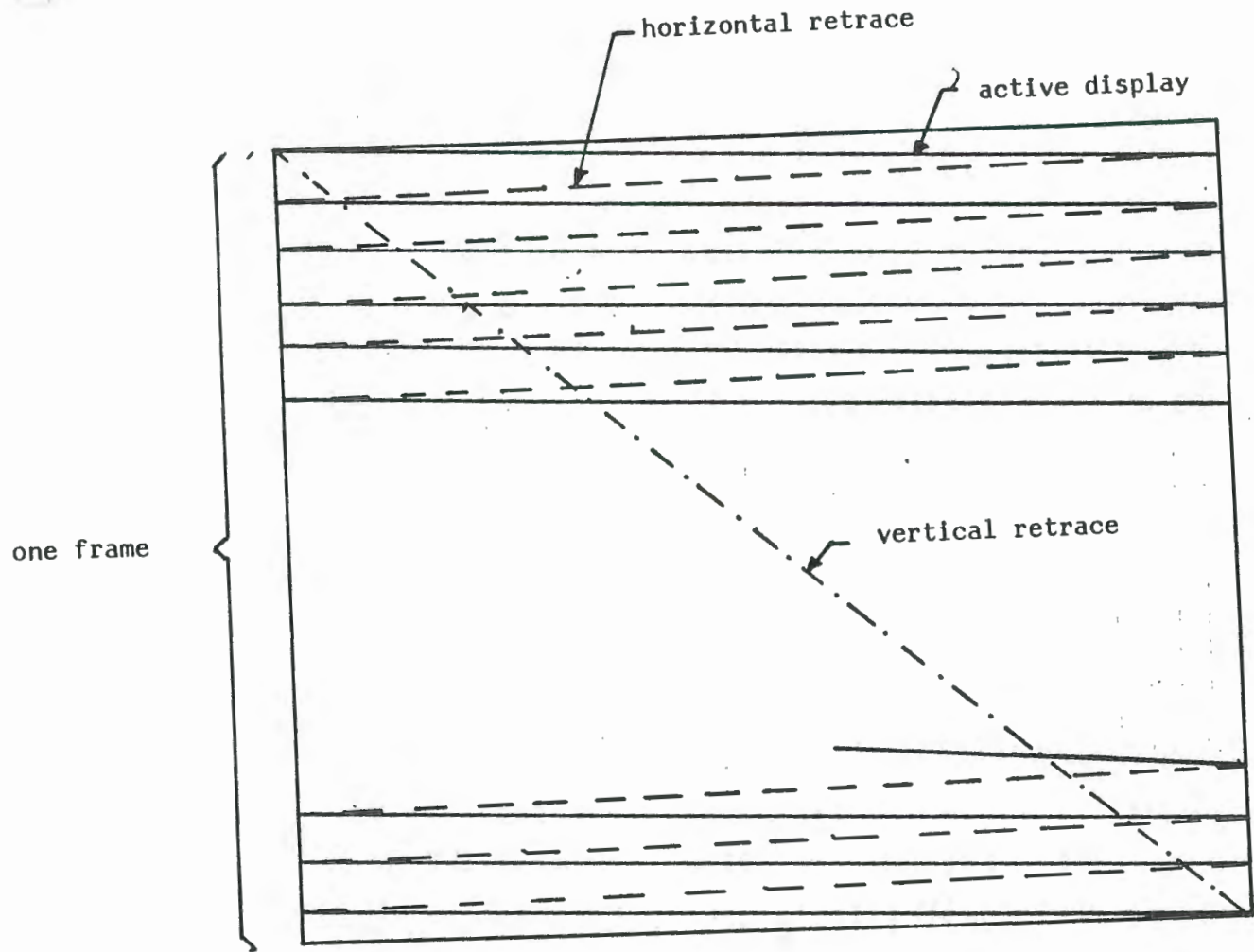


- A 2 DATA OUT
- A 4 DATA IN
- A 9 0V ground return
- A 13 + 5V Vcc
- A 1,14,15 lock
- B 1,15 lock

Connector viewed on receptacle openings

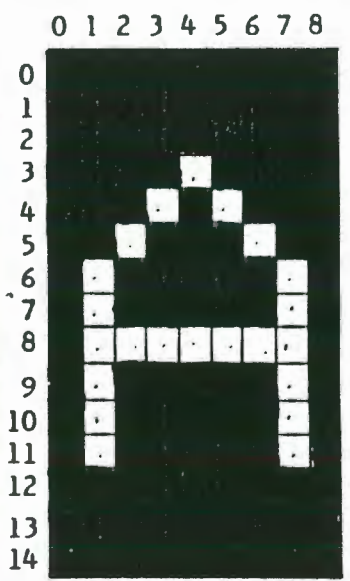
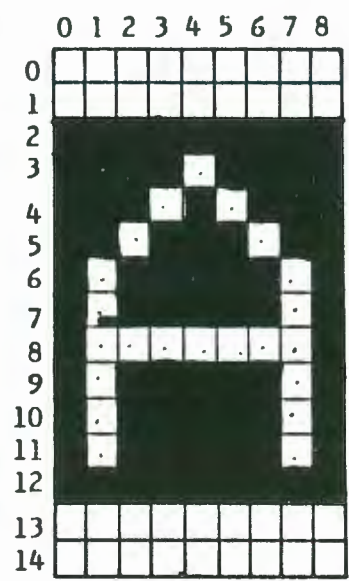
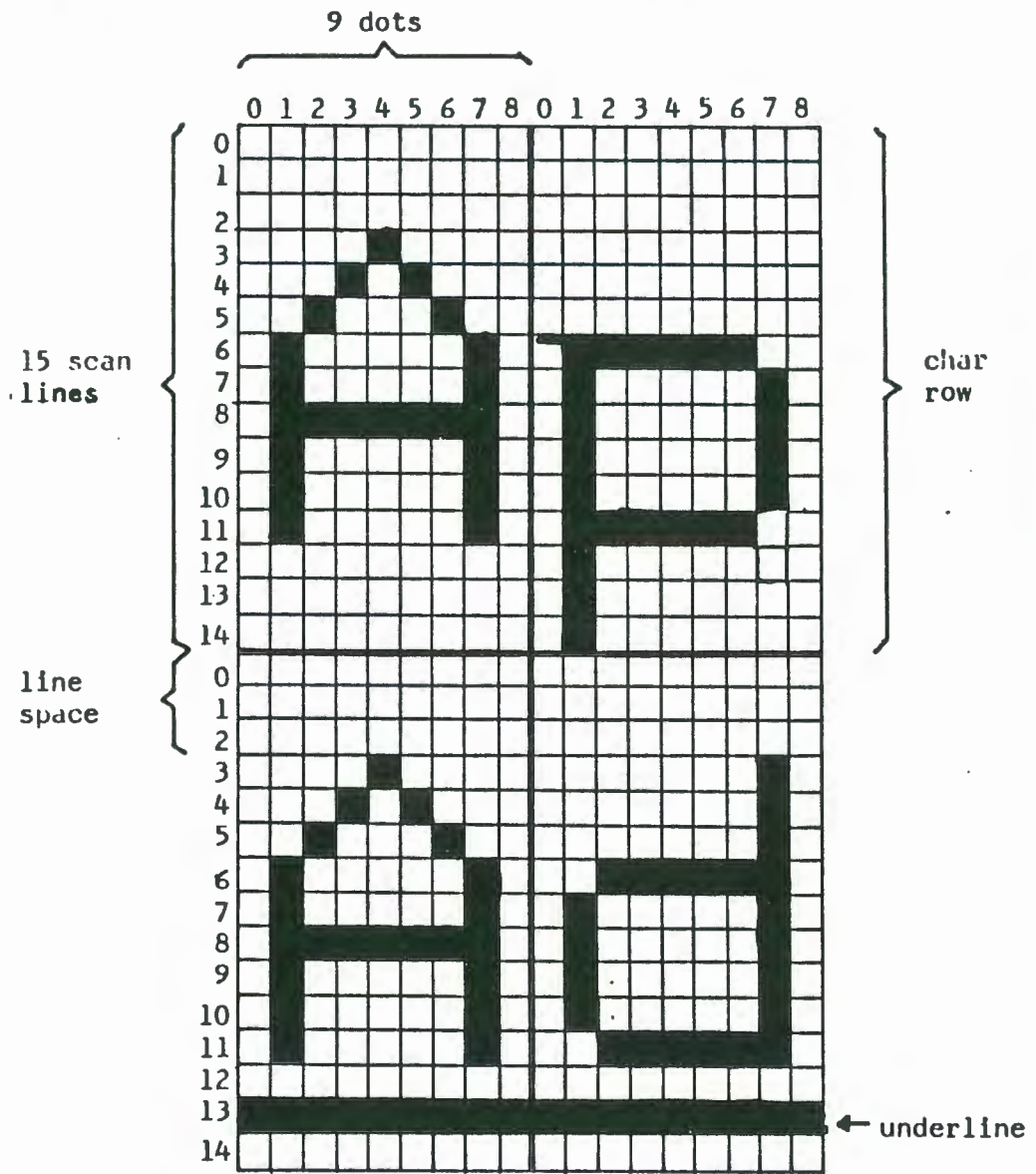


free length between strain relief and outer edge of latch housing: 280 mm



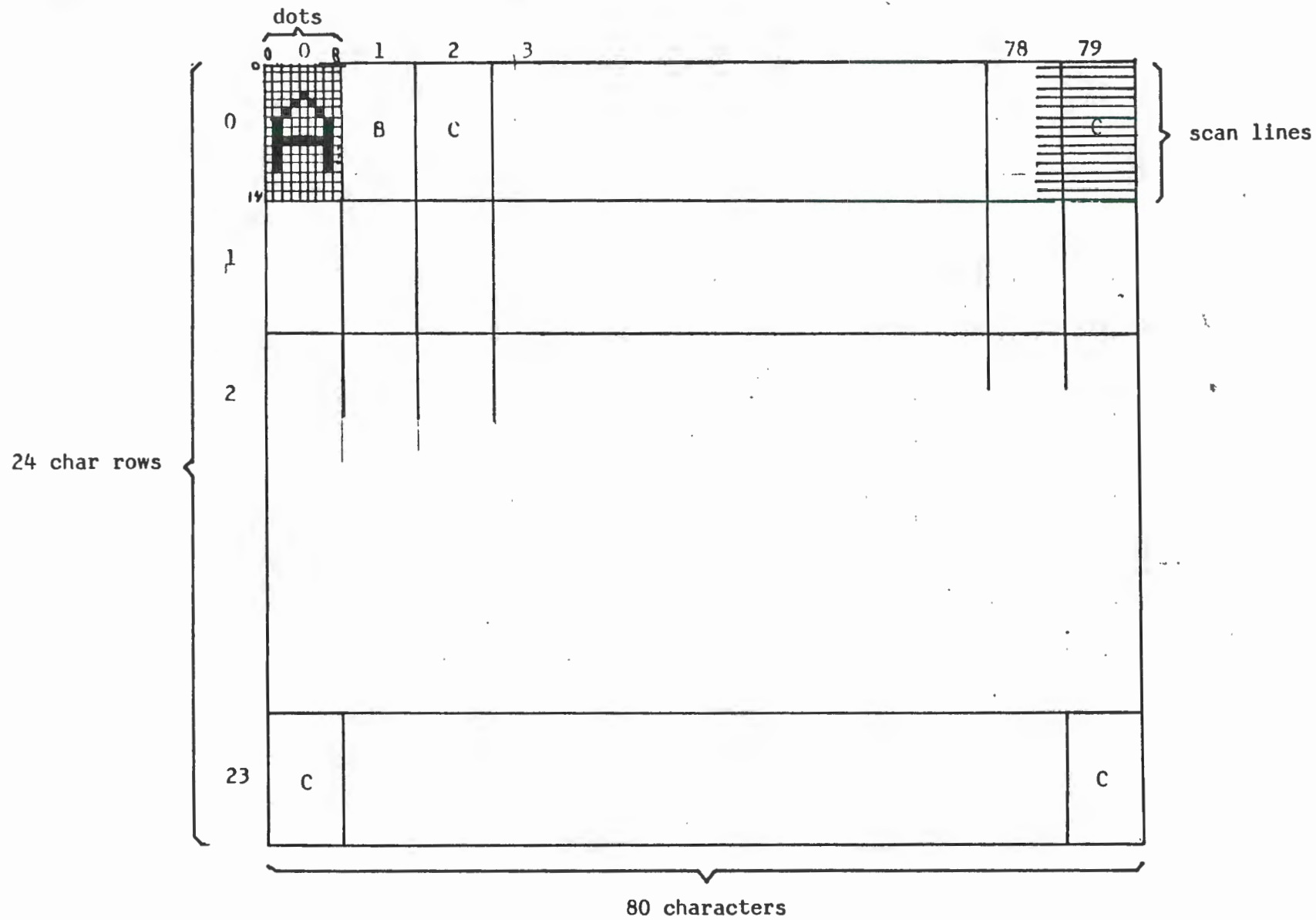
non interlace raster scan system

110.6



STANDARD WIDTH

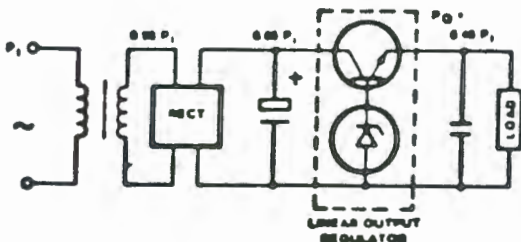
Mo-7



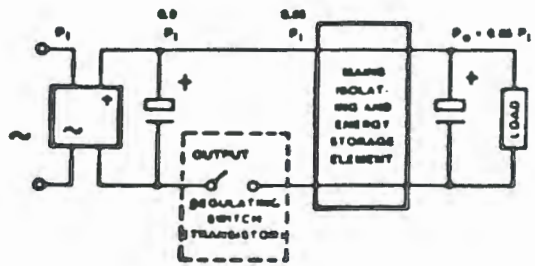
CRT SCREEN FORMAT

Mo-8

LOSSES IN REGULATED POWER SUPPLIES



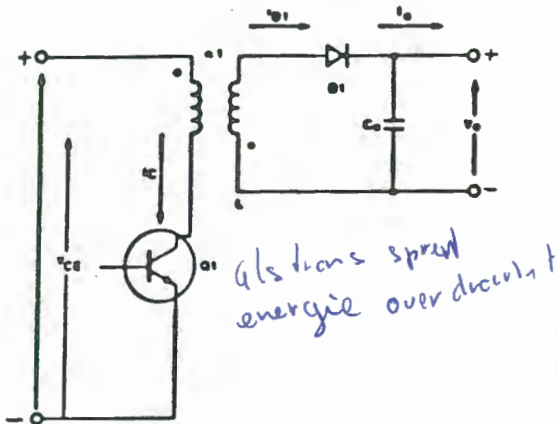
(a) CONVENTIONAL SUPPLY - 45% EFFICIENCY



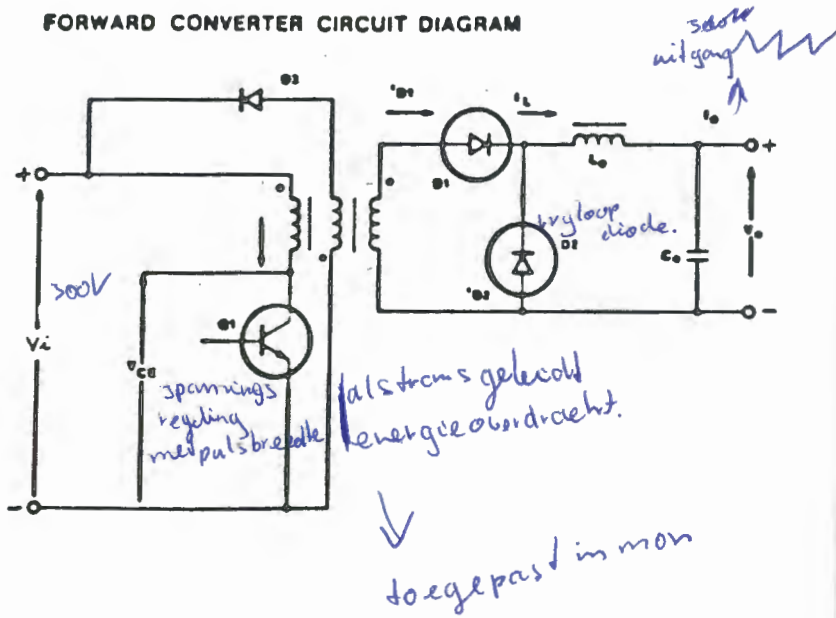
(b) SWITCHED-MODE SUPPLY - 80% EFFICIENCY

minder vermogen nodig (kleine trafo)

FLYBACK CONVERTER CIRCUIT

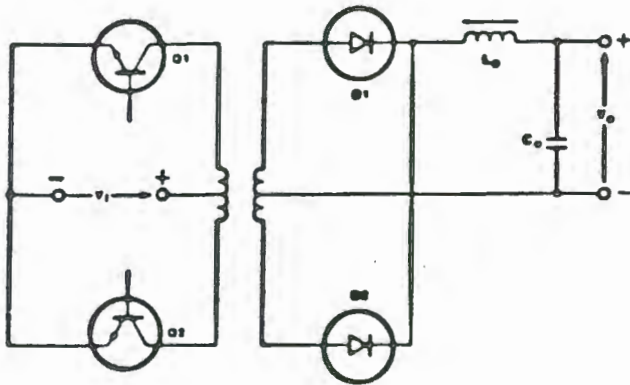


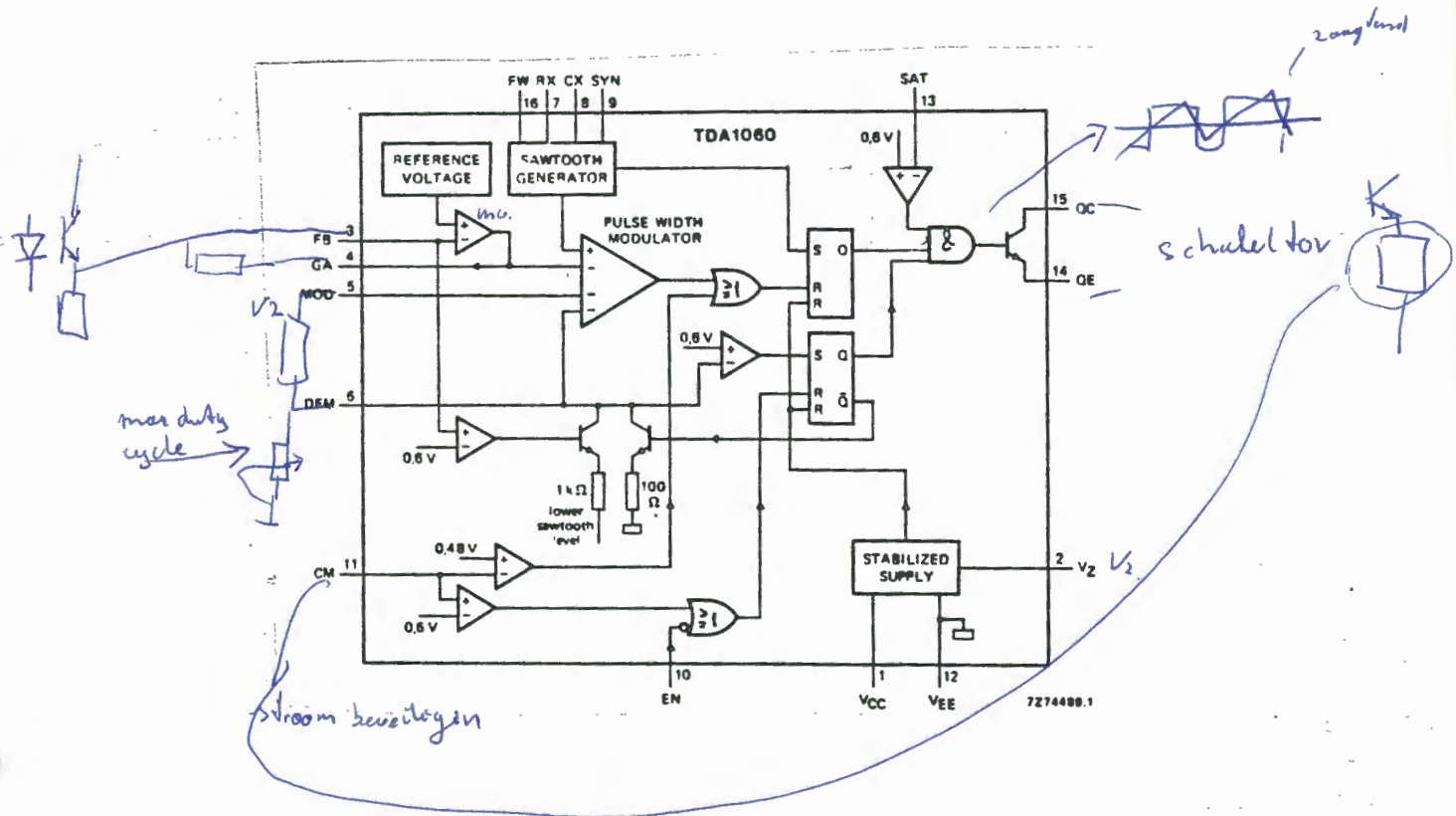
FORWARD CONVERTER CIRCUIT DIAGRAM

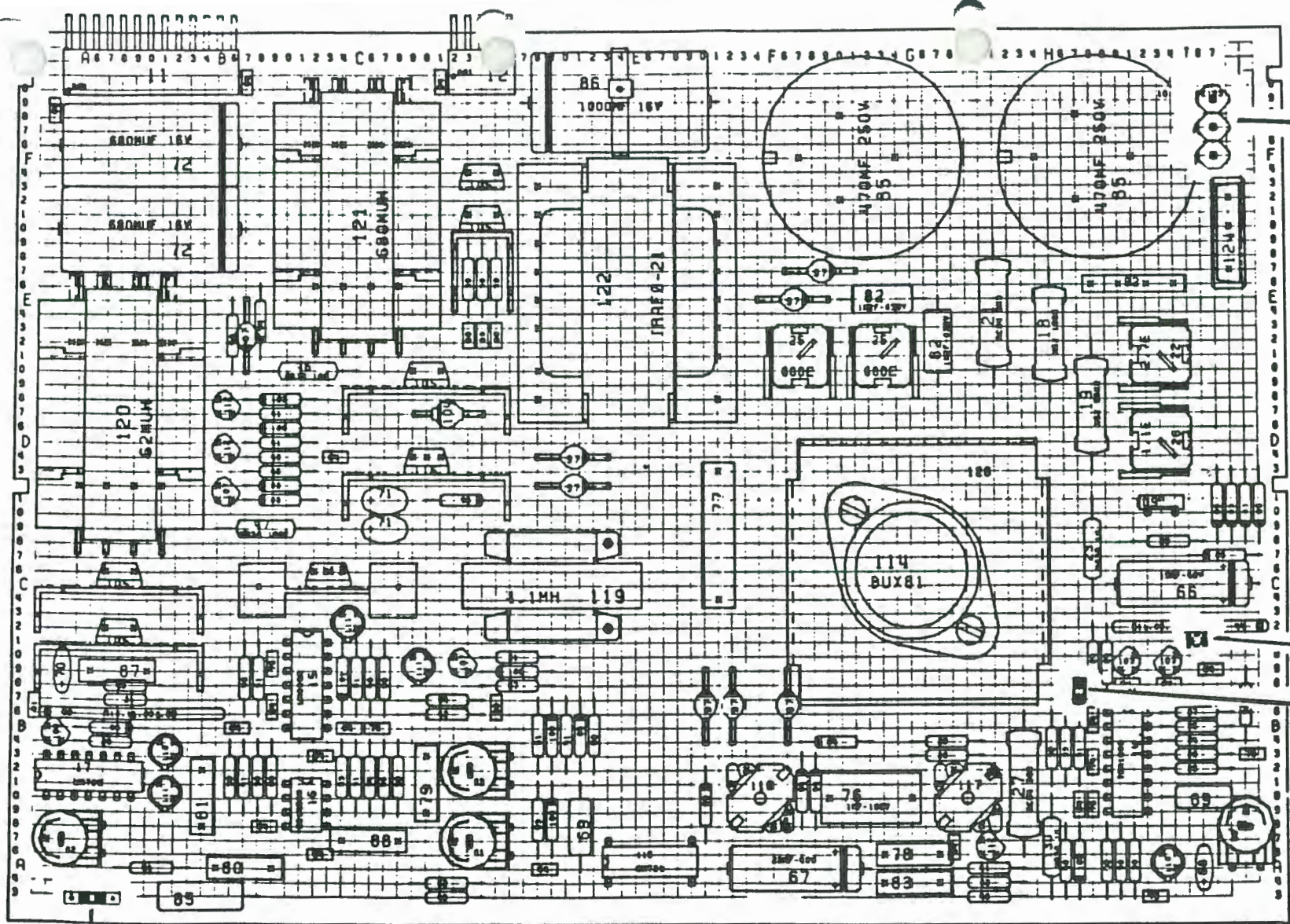


↓ toegepast in mon

PUSH-PULL CONVERTER CIRCUIT DIAGRAM







INPUT VOLTAGE
RANGE SELECTION
100-120VAC IF
INTERCONNECTION
BLOCK PRESENT
200-240VAC IF
BLOCK NOT PRESENT

NO STRAP
STRAP
PRESENT

Interconnection block at :	Grounding system
A5A3	Logic ground directly connected to protective ground.
A6A3	Logic ground connected to protective ground by means of a capacitor of $3,0 \text{ nF}$.
A7A3	Logic ground connected to protective ground by a capacitor of $3,0 \text{ nF}$ and a resistor of 1 kohm in parallel.

ASSY CARD
CAC1

5122.194.47650

HD-10

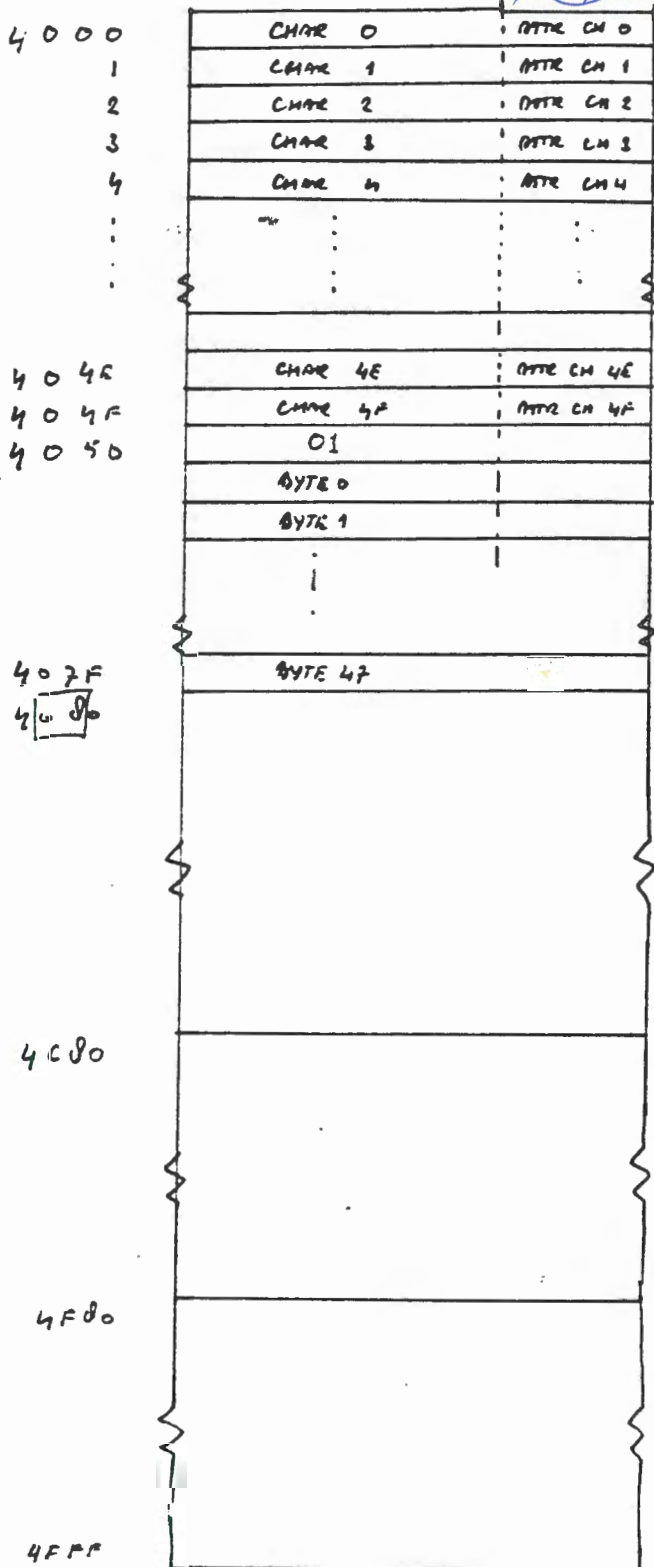
image memory + scratch memory + attr. memory

PHILIPS

20 616.

64 8119

attribute



Do char codes + attr. codes
row 0

KEYBOARD FIFO

Do char codes + attr. codes
row 1.

LINE INPUT FIFO
768 BYTES

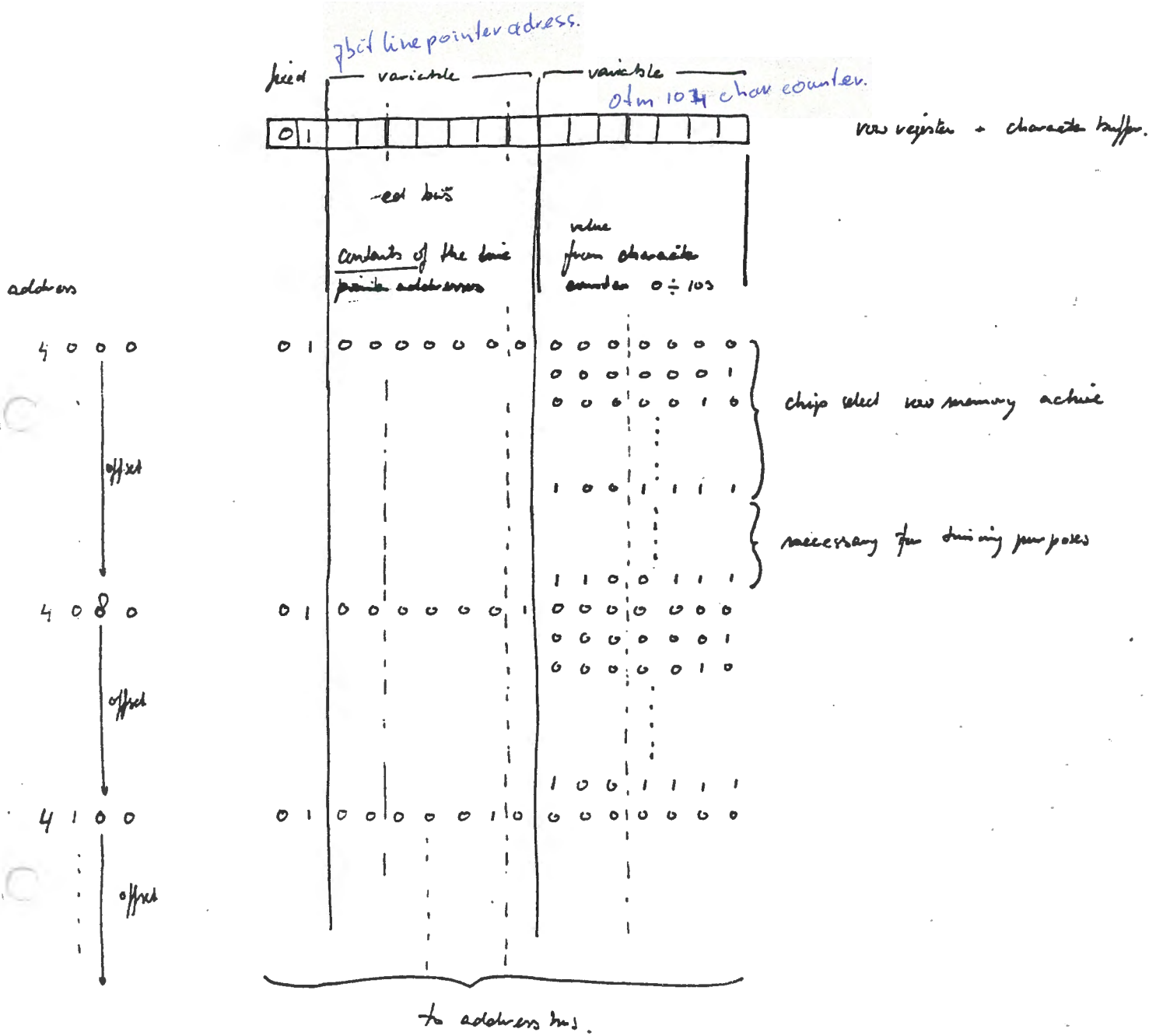
PROC. STACK
(128 BYTES)

TEXT LINE 1 PTRK

407F
4080

Scanmas generation of the addresses in image memory where the character information to be displayed is stored.

PHILIPS



Scrolling of the screen by changing the contents of the text . PHILIPS
line printers.

		Text line printer addresses:	contents tLp addresses	1 line skipped up- wards	2 lines skipped upwards	3 lines skipped upwards	etc.
TEXTLINE	0	4050	01	02	03	04	
ON SCREEN	1	4000	02	03	04	05	
	2	4150	03	04	05	.	
	3	4100	04	05	06	.	
	4	4250	05	06	07	.	
	5	4200	06	07	08	.	
	6	4350	07	08	09	.	
	7	4300	08	09	0A	.	
	8	4450	09	0A	0B	.	
	9	4400	0A	0B	0C	.	
	10	4550	0B	0C	0D	.	
	11	4500	0C	0D	0E	.	
	12	4650	0D	0E	0F	.	
	13	4600	0E	0F	10	.	
	14	4750	0F	10	11	.	
	15	4700	10	12	12	.	
	16	4850	11	12	13	.	
	17	4800	12	13	14	.	
	18	4950	13	14	15	.	
	19	4900	14	15	16	.	
	20	4A50	15	16	17	60	
	21	4A00	16	17	00	61	
	22	4B50	17	00	01	62	
	23	4B00	00	00	01	62	
	24	4C50	00	01	62	63	

TIME	AIDS	SUBJECTS transmit circuit wave forms	COURSE NAME :	REMARKS
		<p><u>CVC 1 Current loop decoder</u> parts are 1. 1kp</p> <p>bit 0 0 1 1 1 0 0</p> <p>TX10 V2S level</p> <p>CT103 L/N TTL level</p> <p>04S1</p> <p>04S2</p> <p>CT103</p> <p>04S1H</p> <p>04S2A</p> <p>I501</p> <p>I502</p> <p>I503</p> <p>1 0 0 1 1 1 0 0 1 0</p>	<p>Conversion V2S input levels</p> <p>to: Current = '1' no current = '0'</p> <p>output line receiver NE 1789A</p> <p>monoflop 1 pulse</p> <p>monoflop 2 pulse</p> <p>d.c. output 10V01</p> <p>d.c. output 11V02</p> <p>d.c. output 11V03 2+4</p> <p>driver opto coupler 1 open</p> <p>driver opto coupler 2 open</p> <p>thus if driver opto coupler 1 closed</p> <p>resultant current</p>	
SECTION :	SHEET :	OF :	DATE :	PAGE :

MO-15