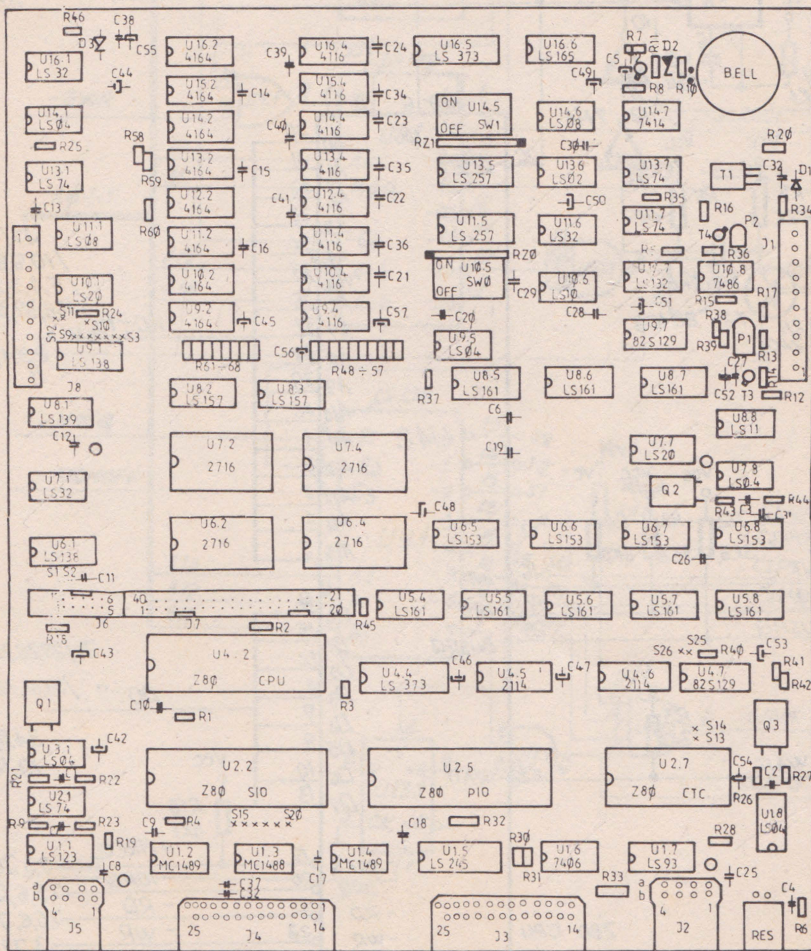
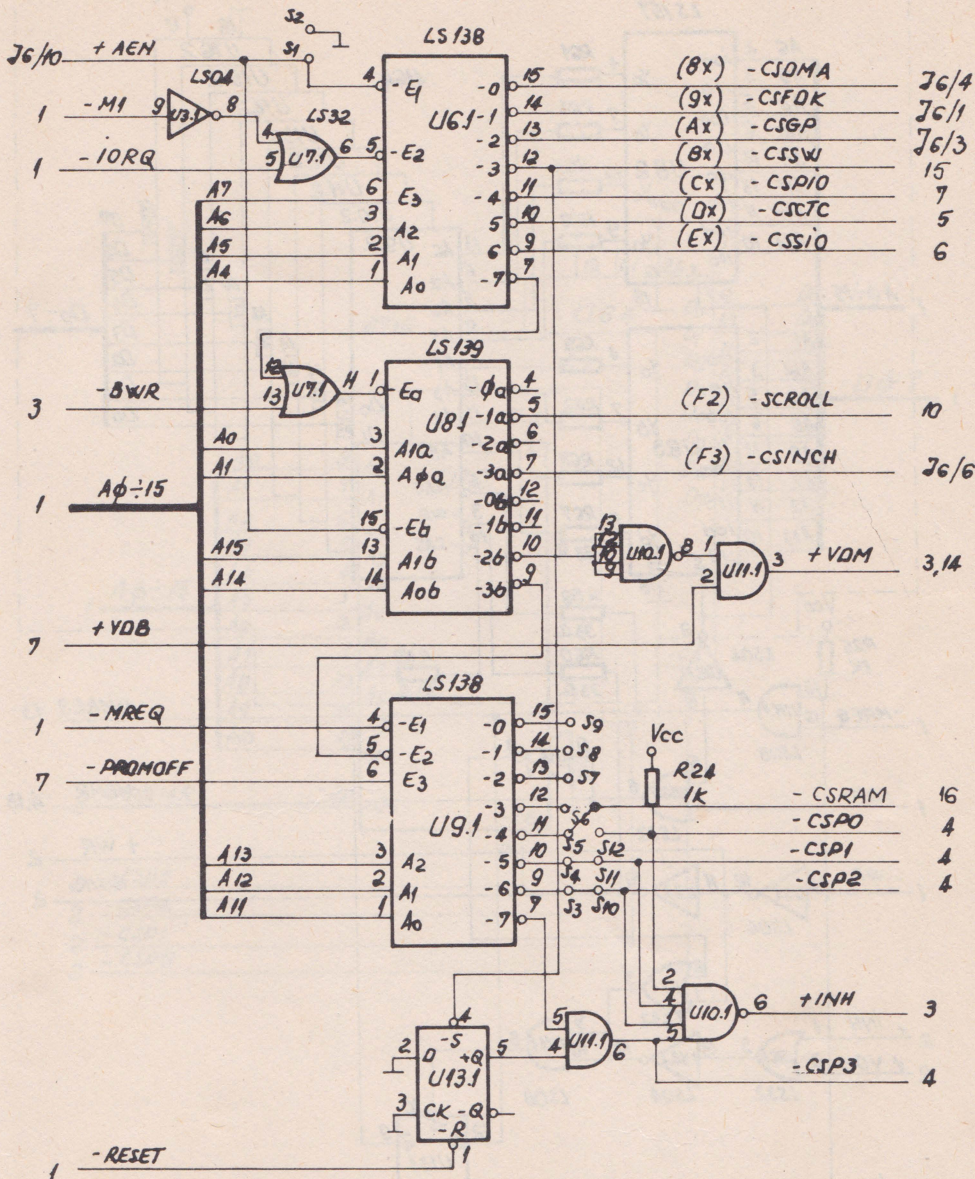
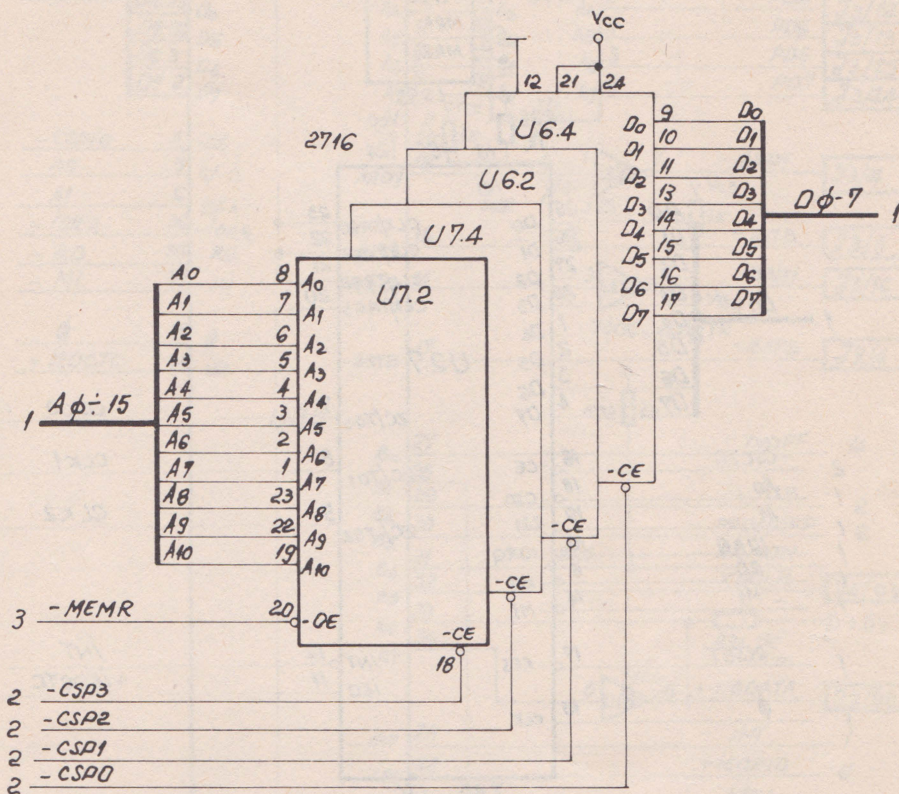


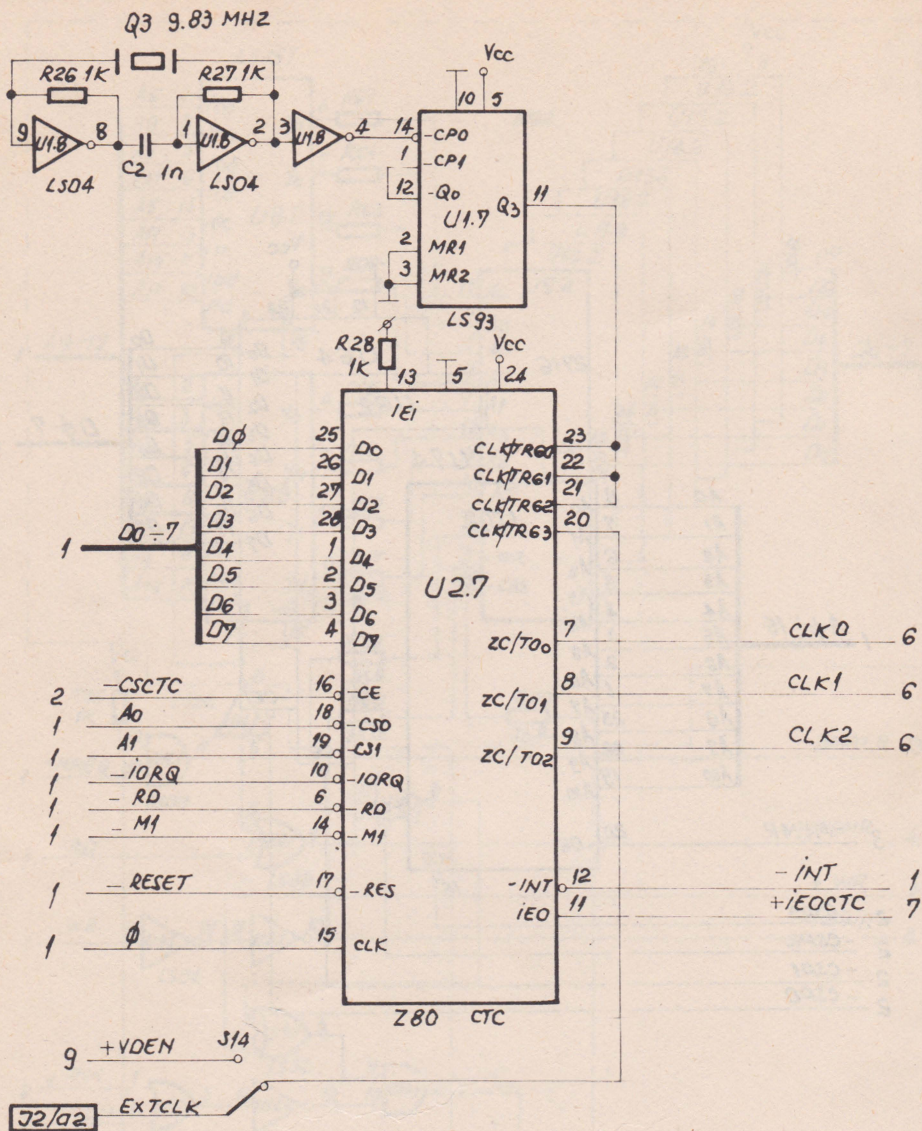


		URC 85.01
Rev	MBZ LAYOUT	
		Sheet1 of 1



MAIN BOARD		URC 85.01
Rev.	I/O DECODER	
		Sheet 2 of 16





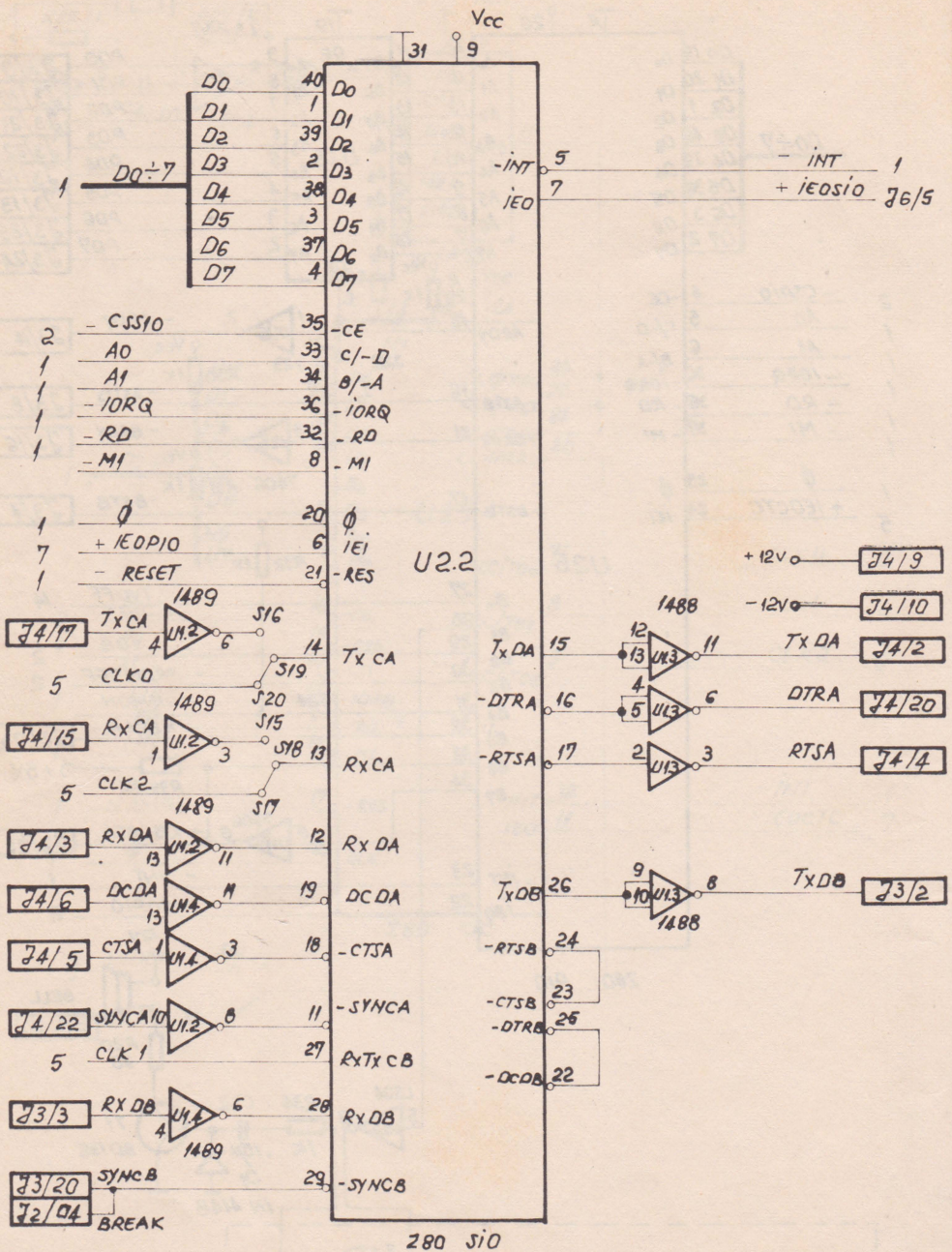
MAIN BOARD

URC 85.01

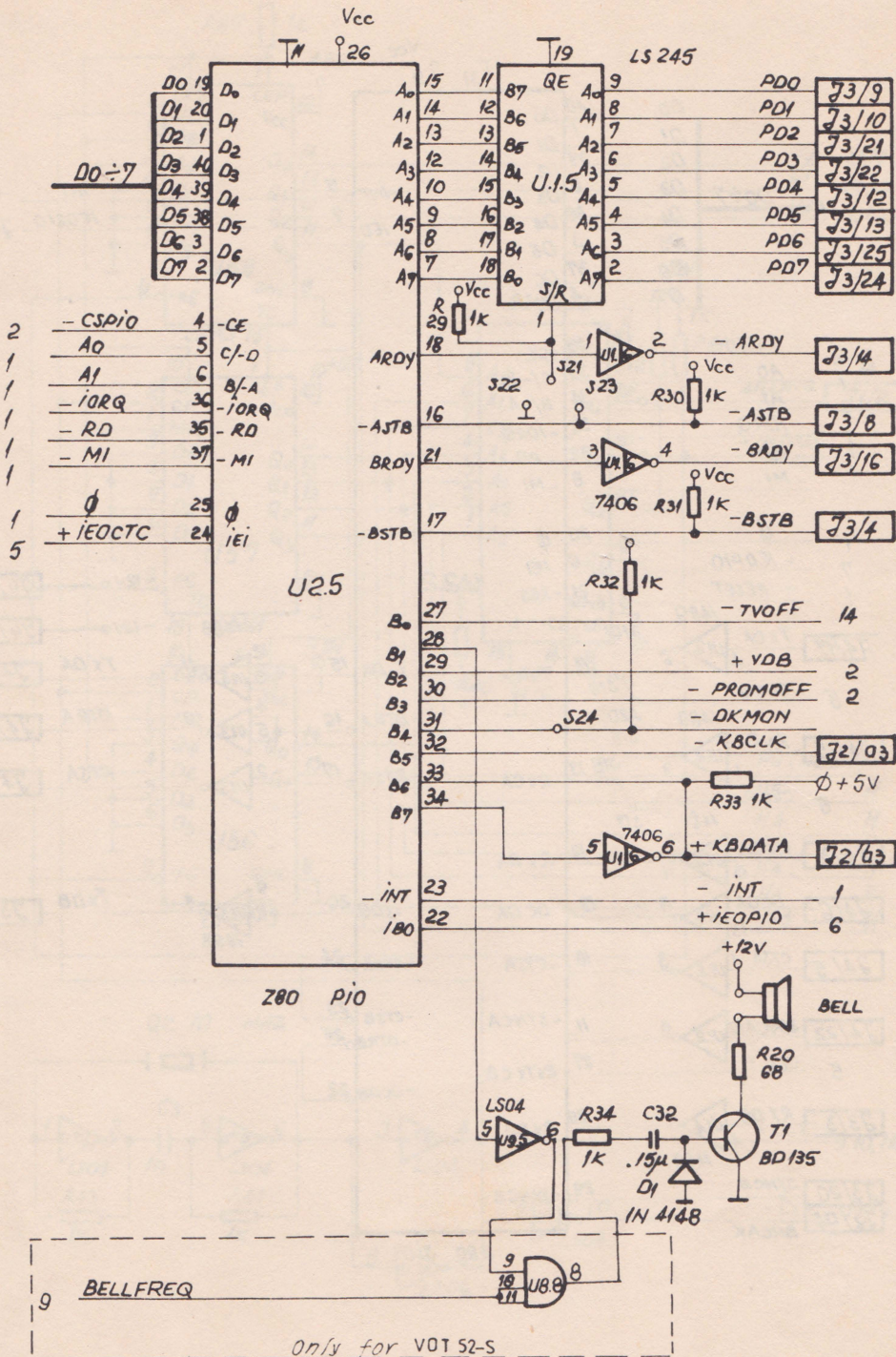
Rev.

TIMER

Sheet 5 of 16



MAIN BOARD		URC 85.01
Rev.	SERIAL I/O	
		Sheet 6 of 16

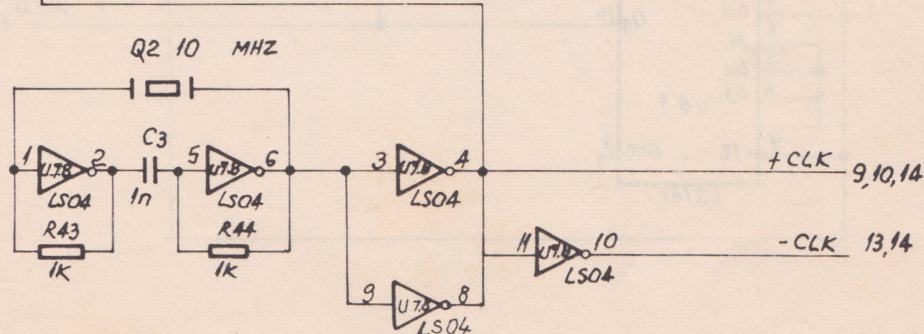


MAIN BOARD

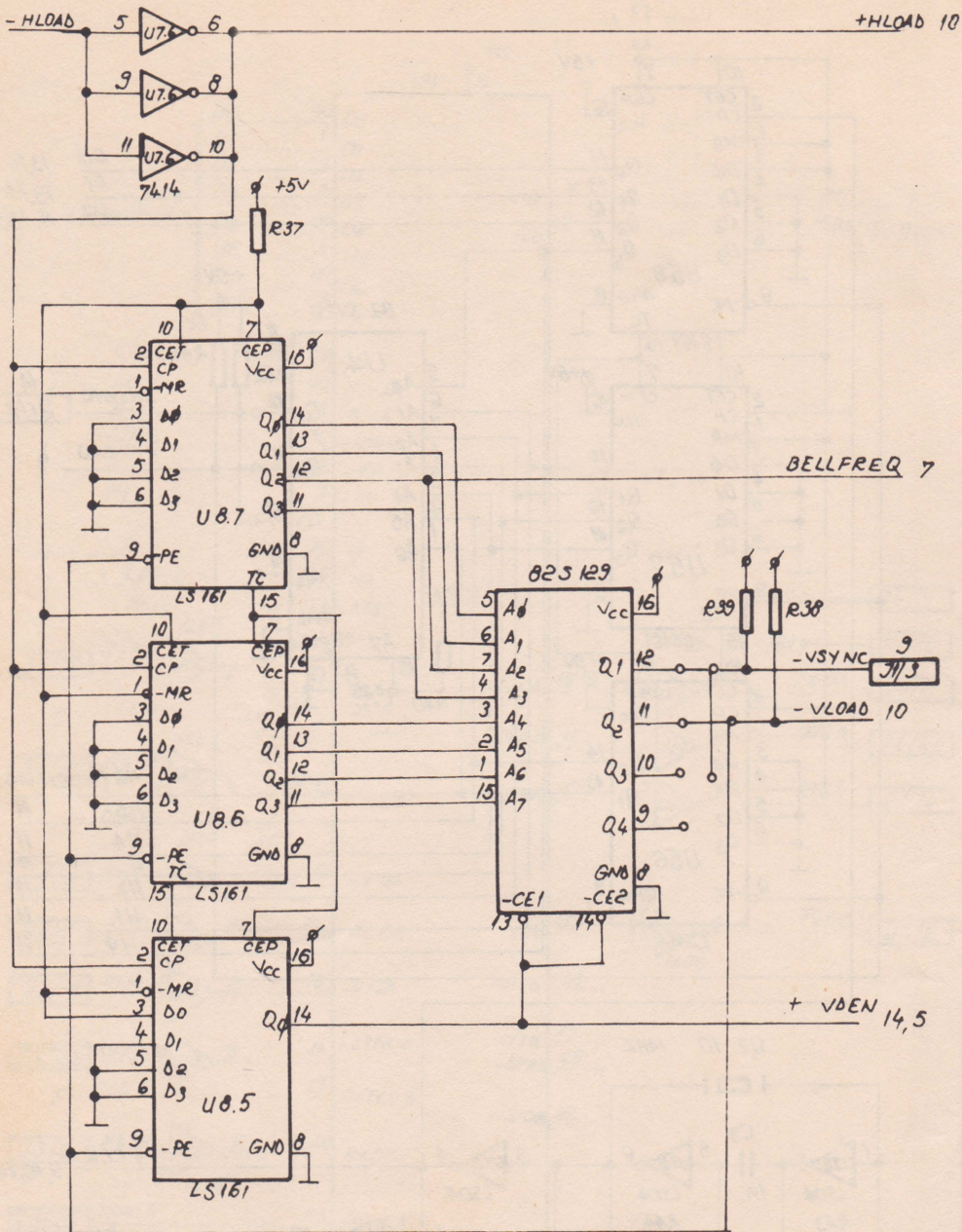
URC 85.01

Rev. PARRALEL I/O

Sheet 7 of 16

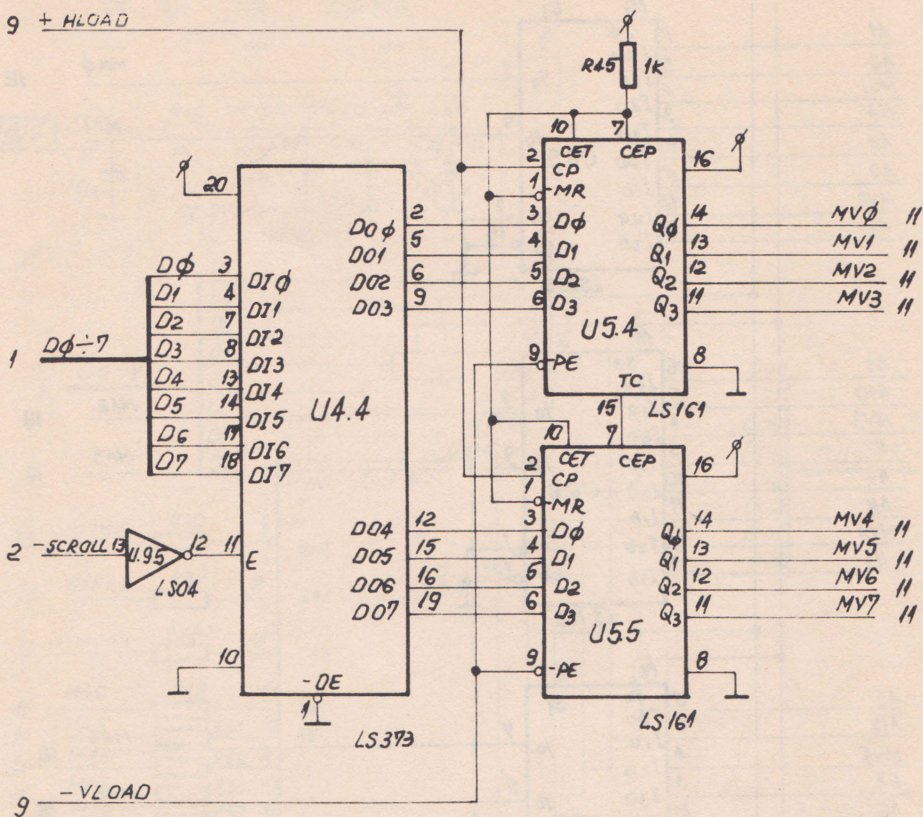


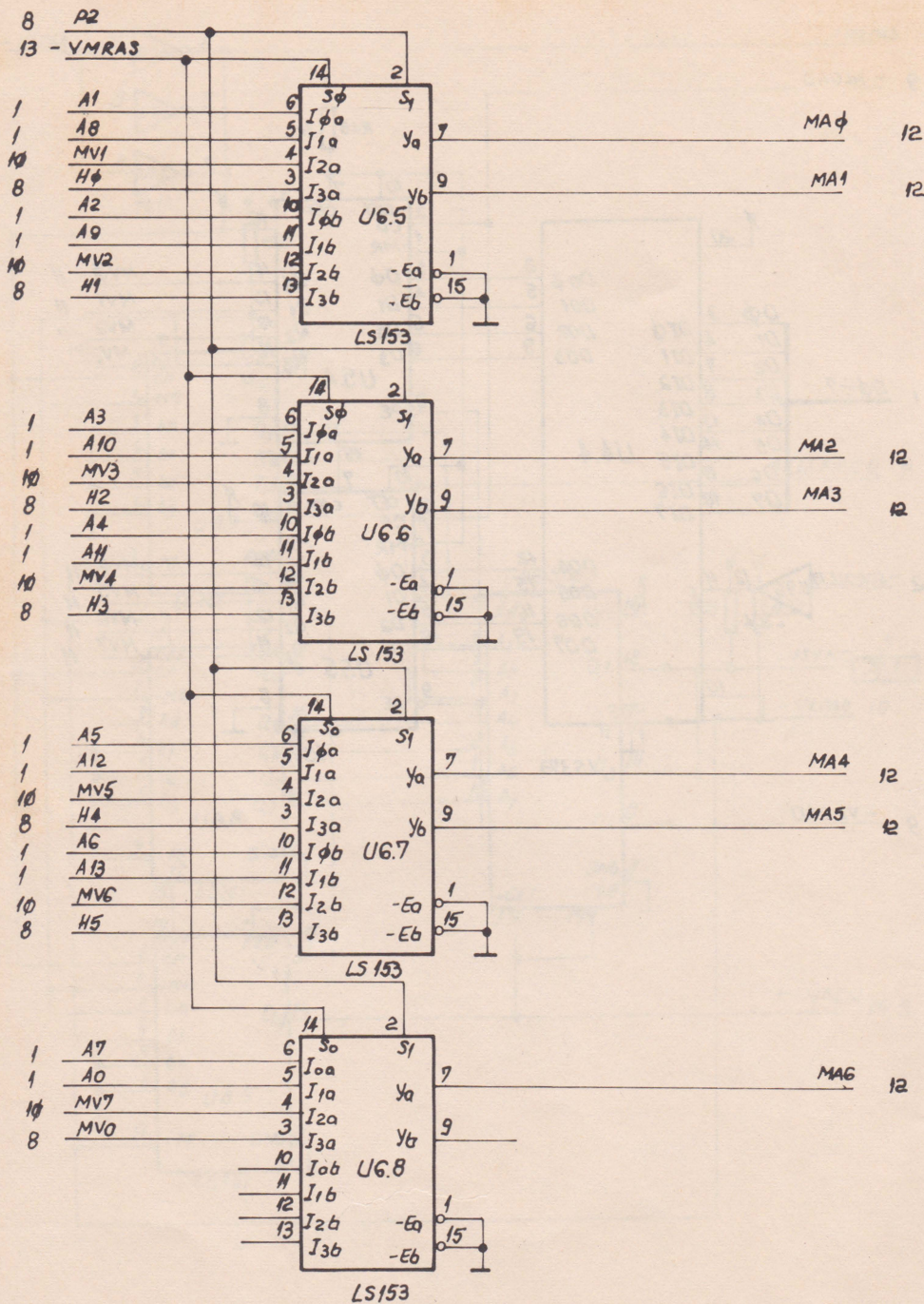
MAIN BOARD		URC 85.01
Rev.	HORIZONTAL SYNC	
		Sheet 8 of 16



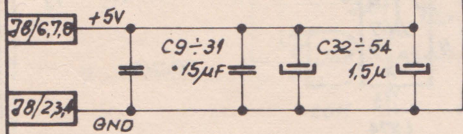
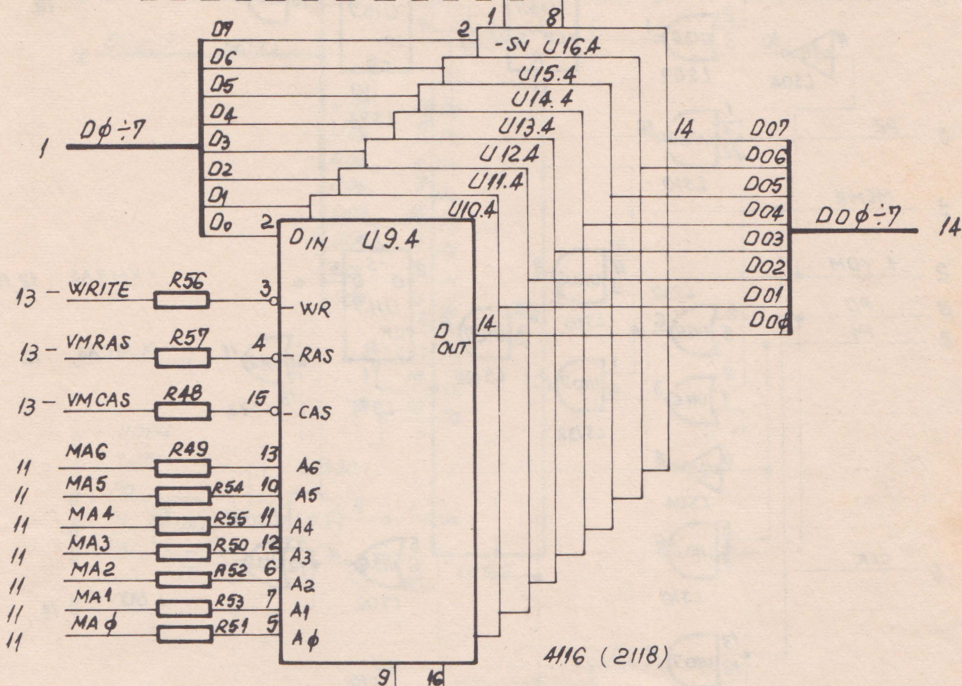
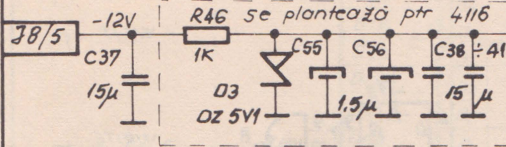
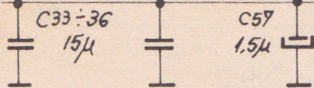
MAIN BOARD		URC 85.01
Rev.	VERTICAL SYNC	
		sheet 9 of 16

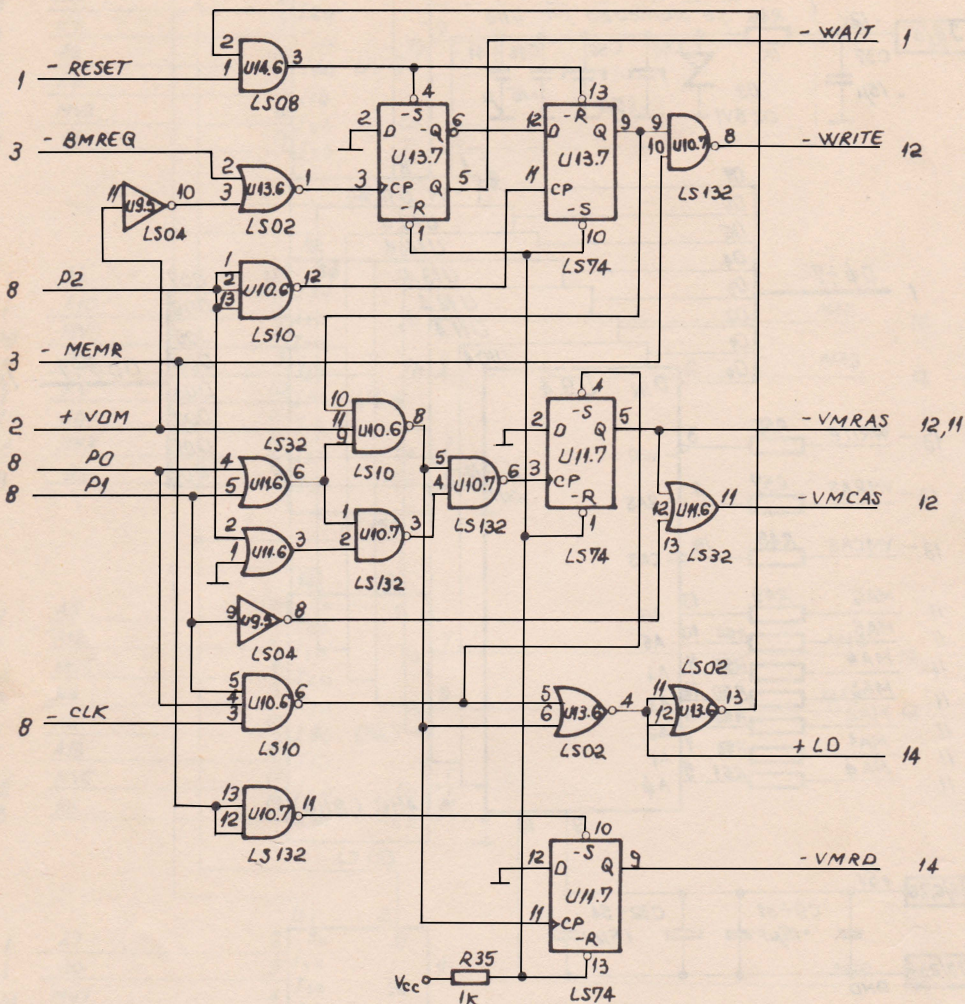
9 + HLOAD





J8/9 +12V (sau +5v ptr. memorii 2118)





		URC 85.01
Rev.	VIDEO CONTROL	
		Sheet 13 of 16

13 + LD
13 - VMRD

12 $D_0 \div 7$

8 + CLK

8 + HDEN

9 + VDEN

8 P0

8 P1

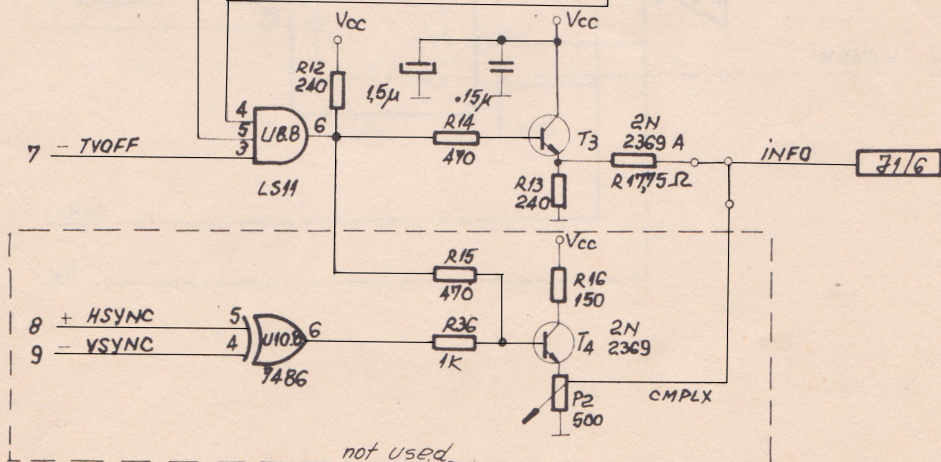
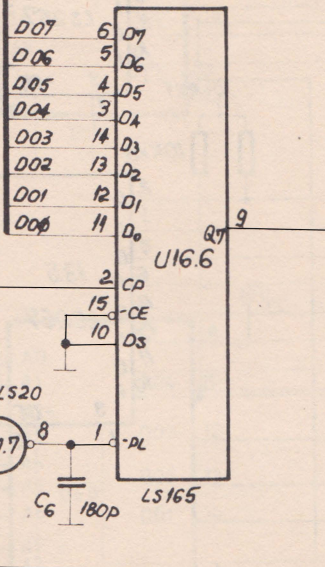
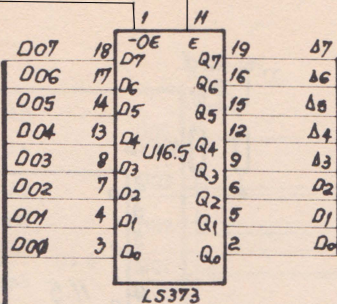
8 P2

8 - CLK

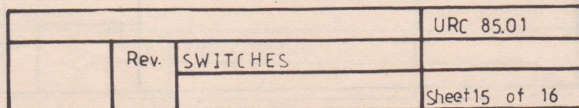
7 - TVOFF

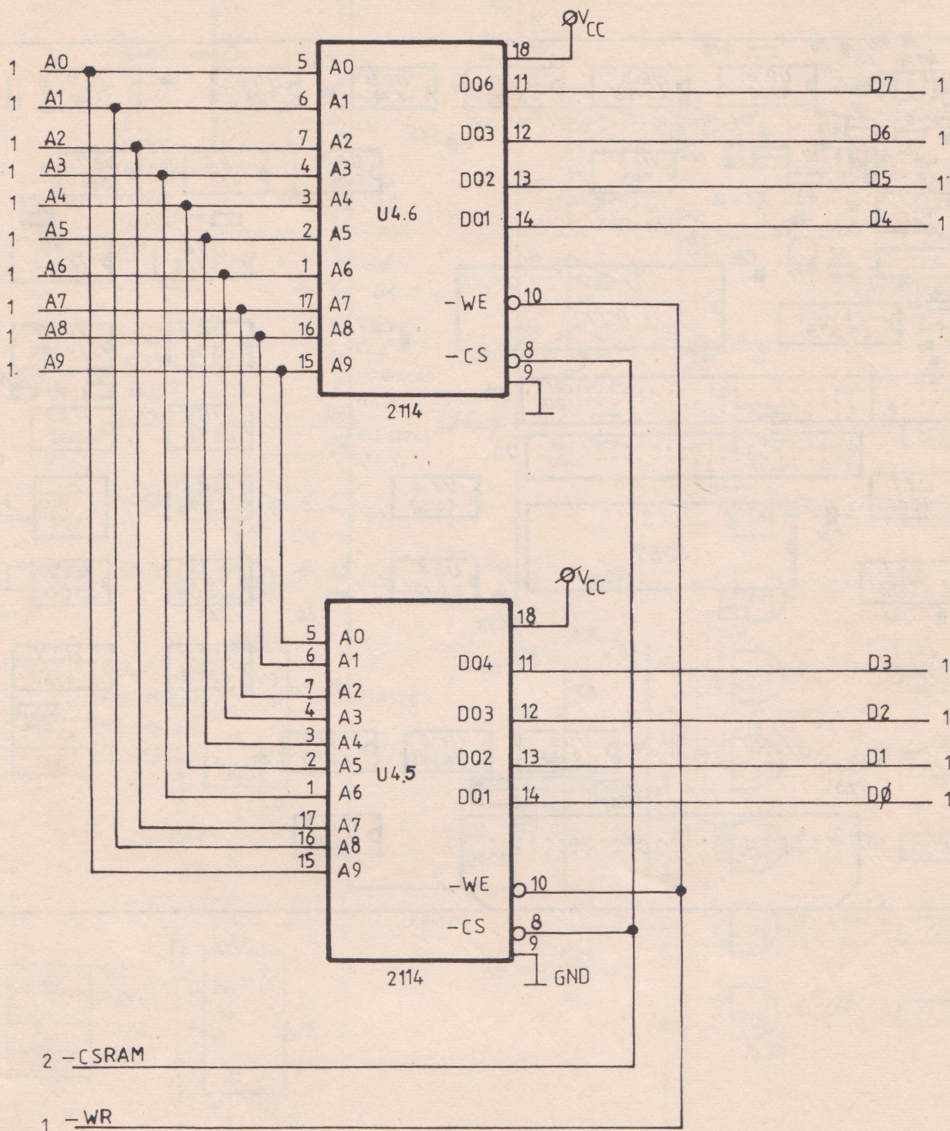
8 + HSYNC

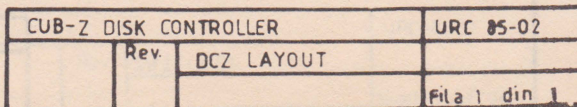
9 - VSYNC

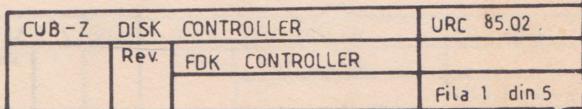


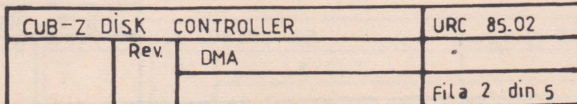
		URC 85.01
Rev.	TV DRIVER	
		Sheet 14 of 16

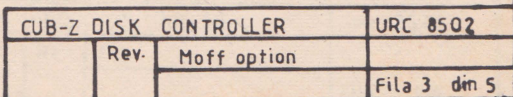


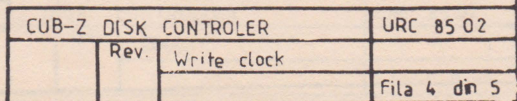


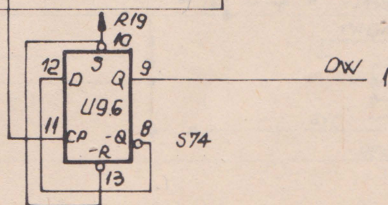




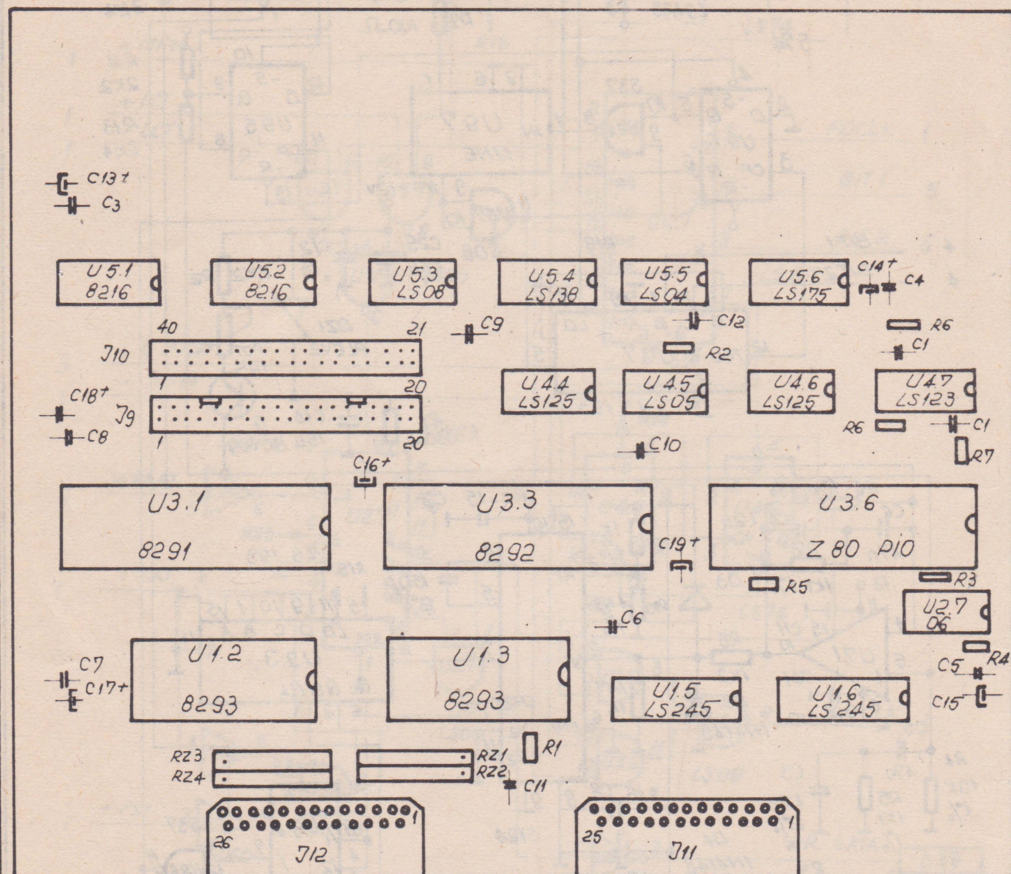




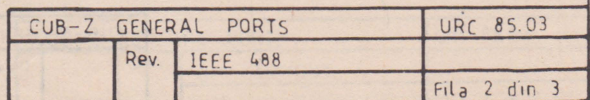


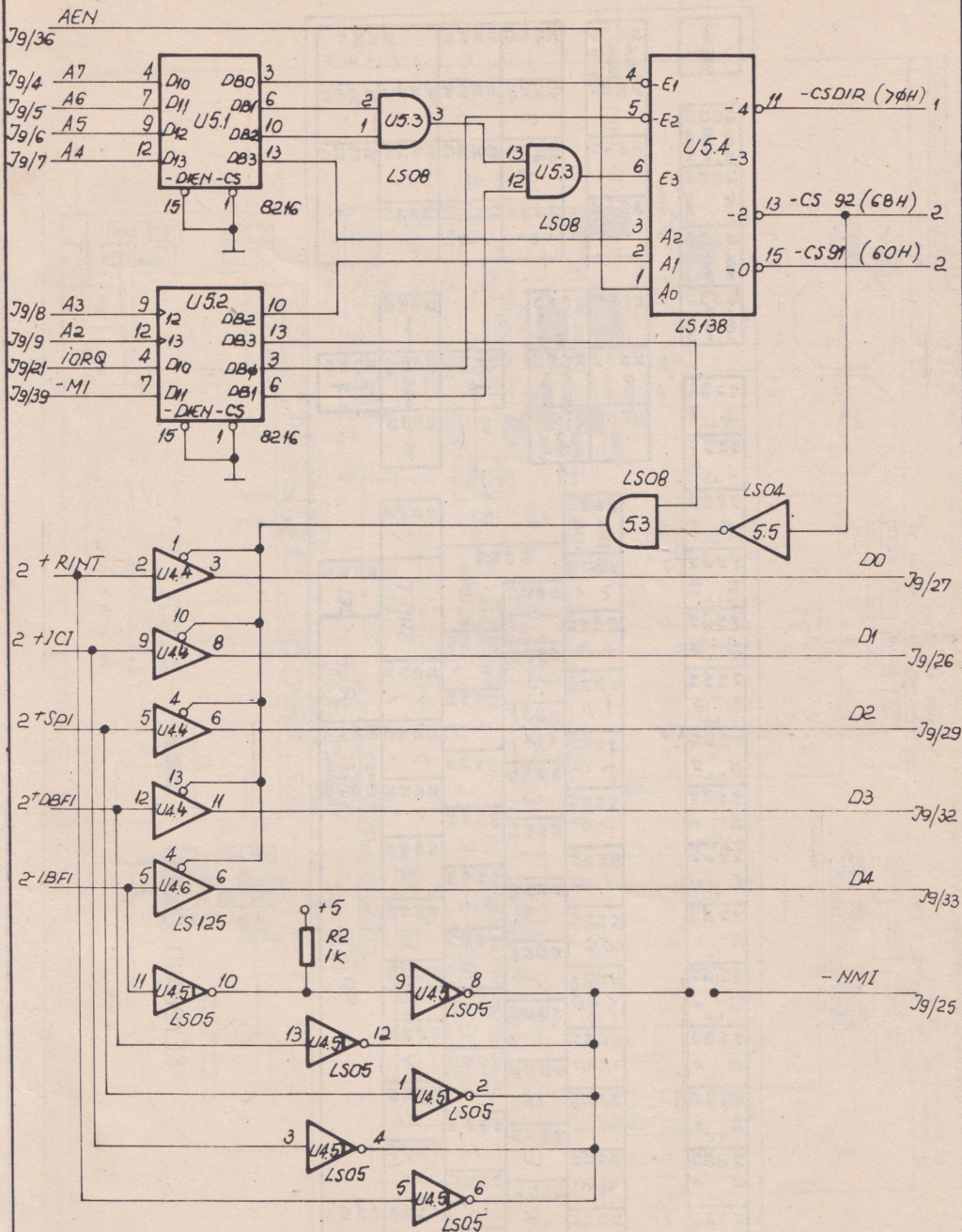


Fila 5 din 5

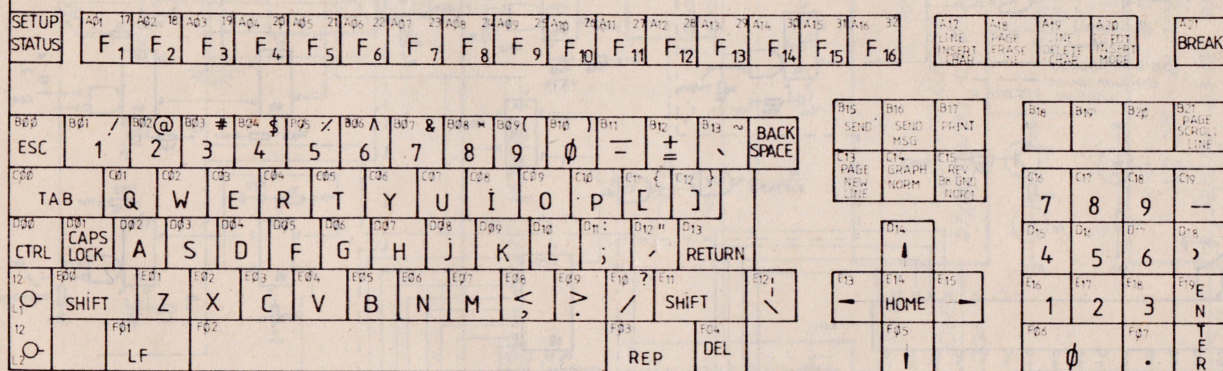


CUB-Z. GENERAL PORTS		URC 85.03
Rev.	GPZ LAYOUT	
		Fila 1 din 1



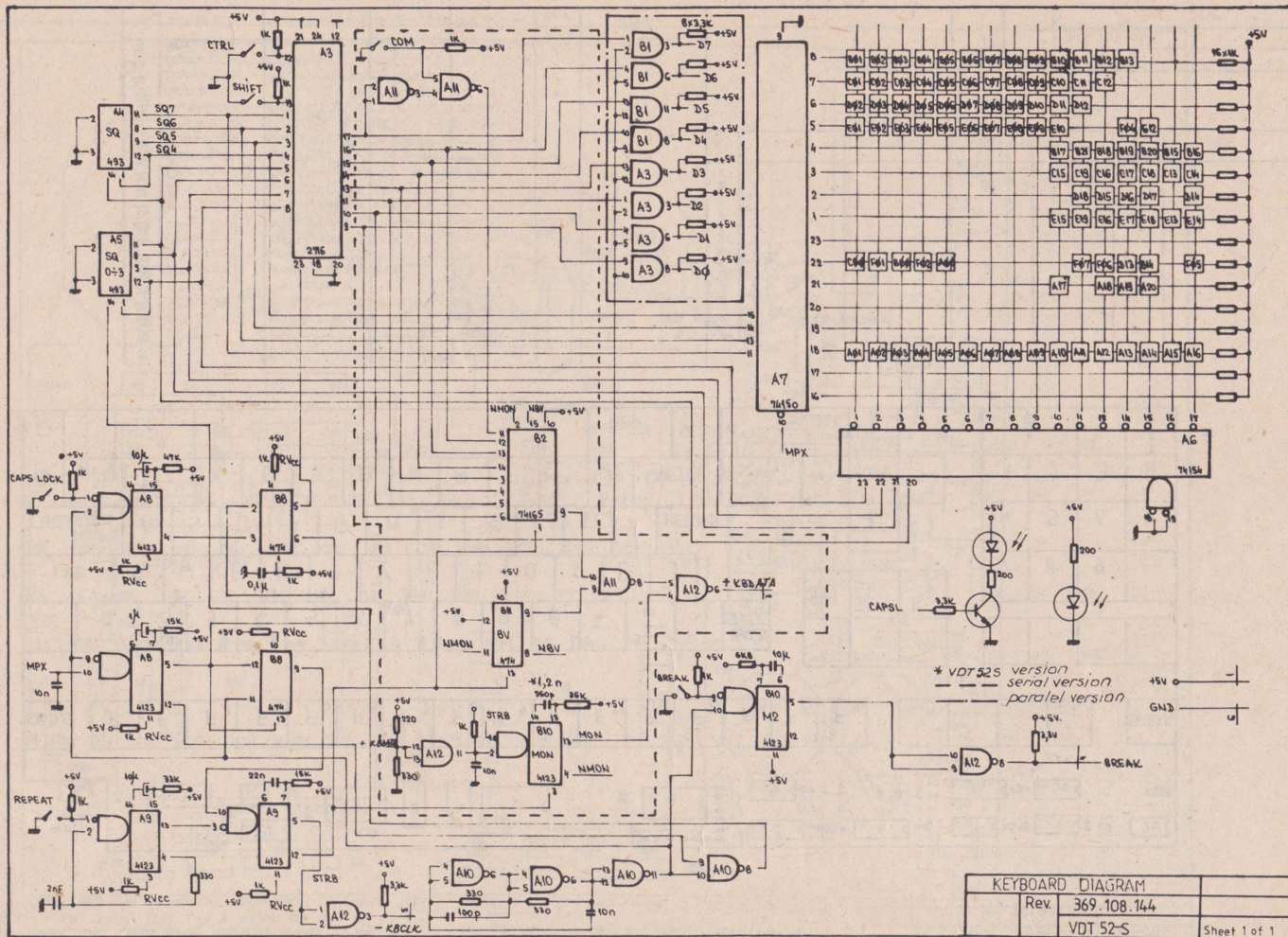


CUB-Z GENERAL PORTS		URC 85.03
Rev.	I/O DECODER	
		Fila 3 din 3.



31	Capacitor	500 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
30	Socket	24 pin DIP	14-13	2, 25, 100, 250	1	
29	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
28	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
27	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
26	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
25	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
24	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
23	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
22	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
21	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
20	Resistor	330k, 1/2W, 5%	PC 32-3	399, 100, 100	1	
19	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
18	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
17	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
16	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
15	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
14	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
13	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
12	Capacitor	100 pF, 50V, 5%	PC 32-3	399, 100, 100	1	
11	Red LED	5mm, 10mA	PC 32-3	399, 100, 100	1	
10	Type	Characteristics, length, code	ICE code	51P	51P	51P

[illegible][illegible]



KEYBOARD DIAGRAM		
Rev.	369.108.144	
VDT 52-S		Sheet 1 of 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHM; 0.5W

2. ALL CAPACITORS ARE IN μ F, 100V

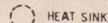
① DENOTES PRINTED CIRCUIT

⊞ DENOTES HOUSING CONNECTOR

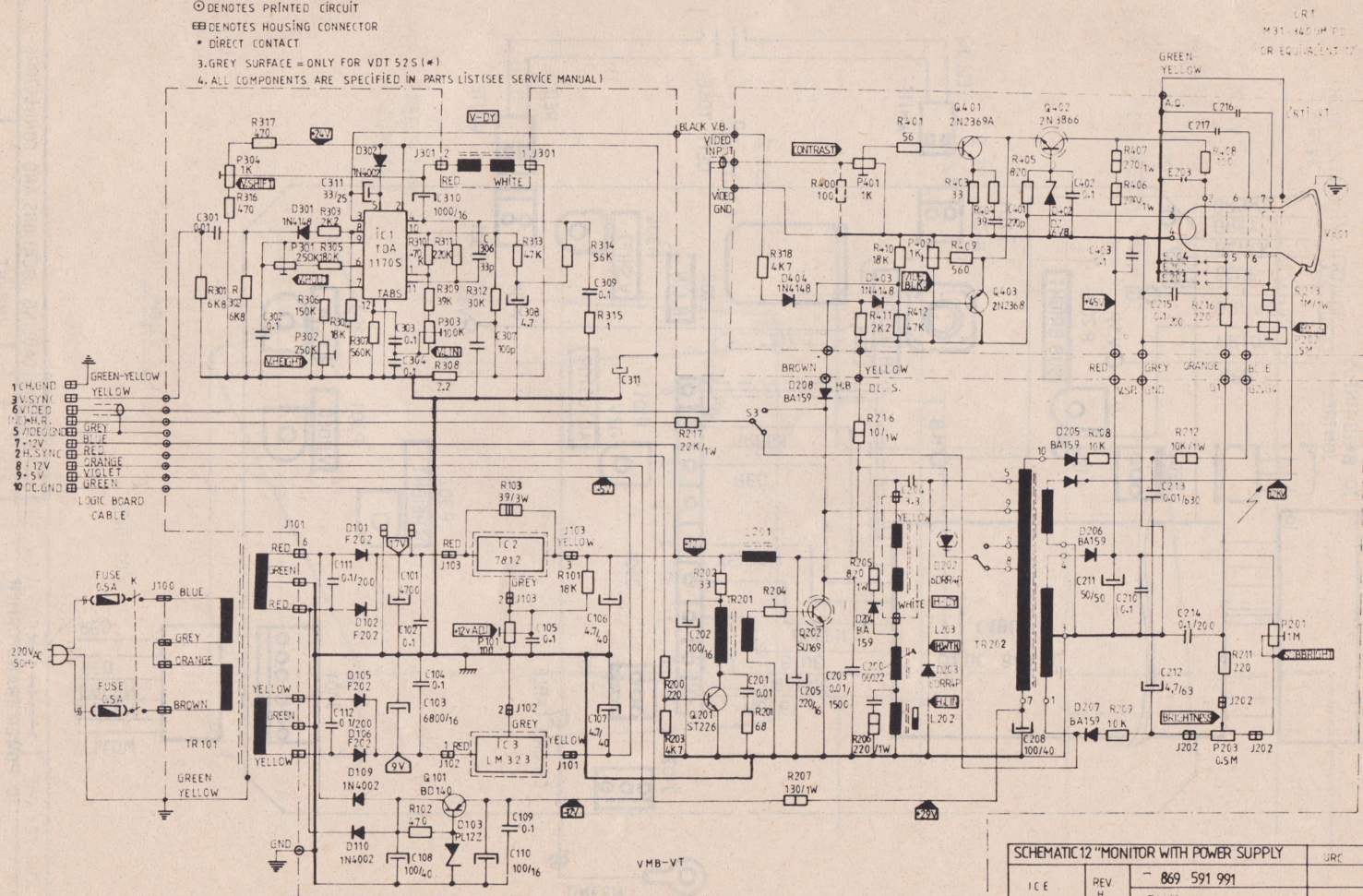
• DIRECT CONTACT

3. GREY SURFACE = ONLY FOR VDT 52'S (*)

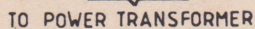
4. ALL COMPONENTS ARE SPECIFIED IN PARTS LIST (SEE SERVICE MANUAL)



HEAT SINK



SCHEMATIC 12" MONITOR WITH POWER SUPPLY			URE
ICE	REV	H	869 591 991
			DM12-01
			SHEET 1 OF 5



Rev.
H

Sheet 2 of 6

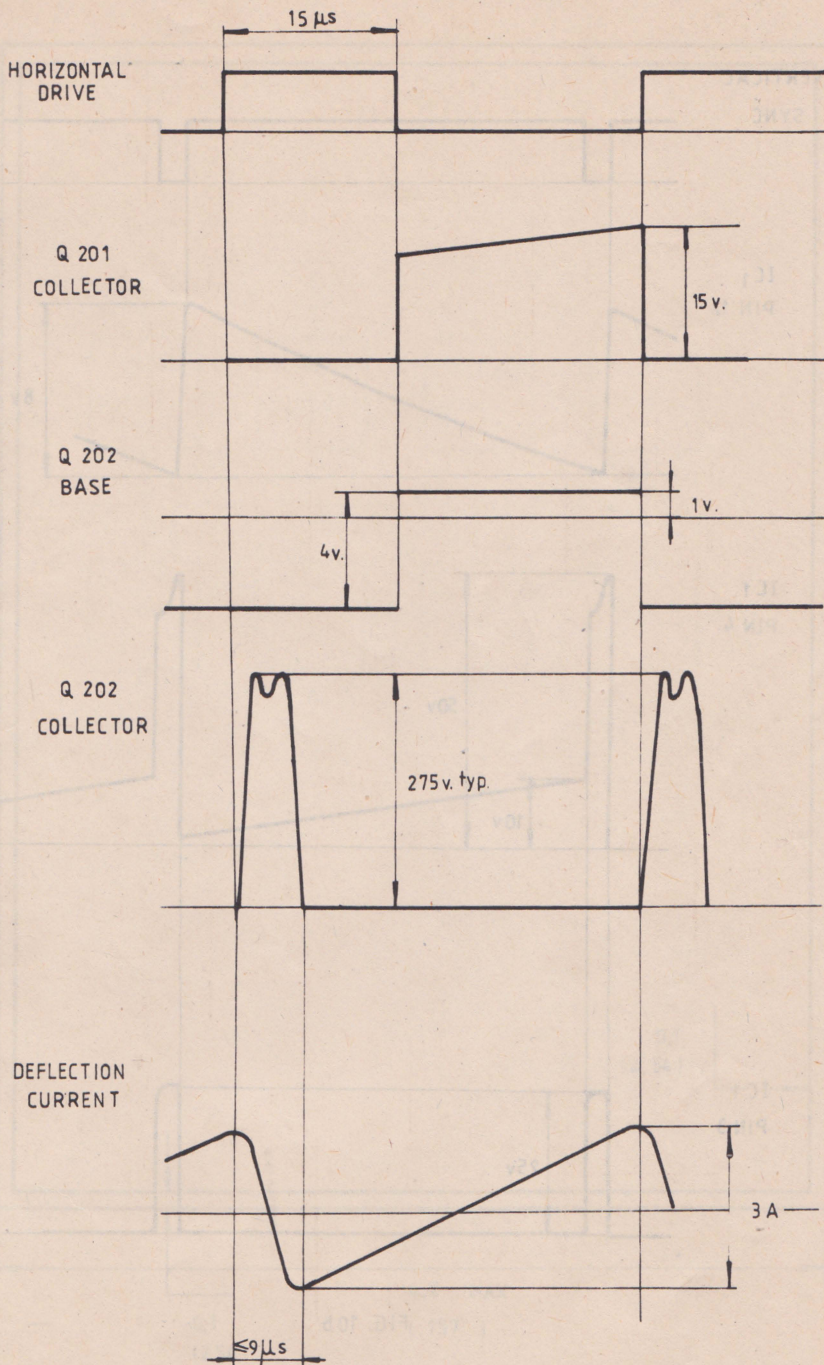
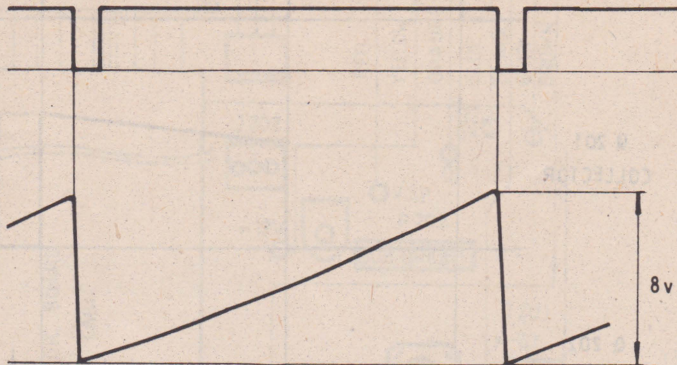


FIG. 10 a.

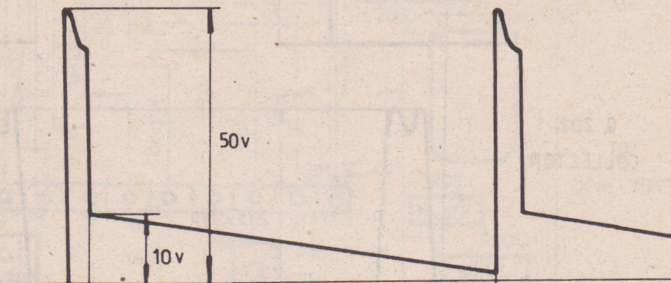
VOLTAGE WAVEFORMS			869 591 99X
Rev.	VMB -VT		
H			Sheet 3 of 6

VERTICAL
SYNC

IC₁
PIN 12



IC₁
PIN 4



IC₁
PIN 3

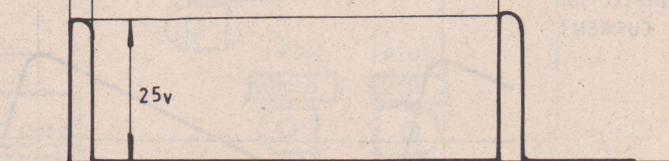


FIG. 10b.

VOLTAGE WAVEFORMS

869 591 100

Rev.
A

VMB - VT

Sheet 4 of 6

8,30 MAX. (210,8)

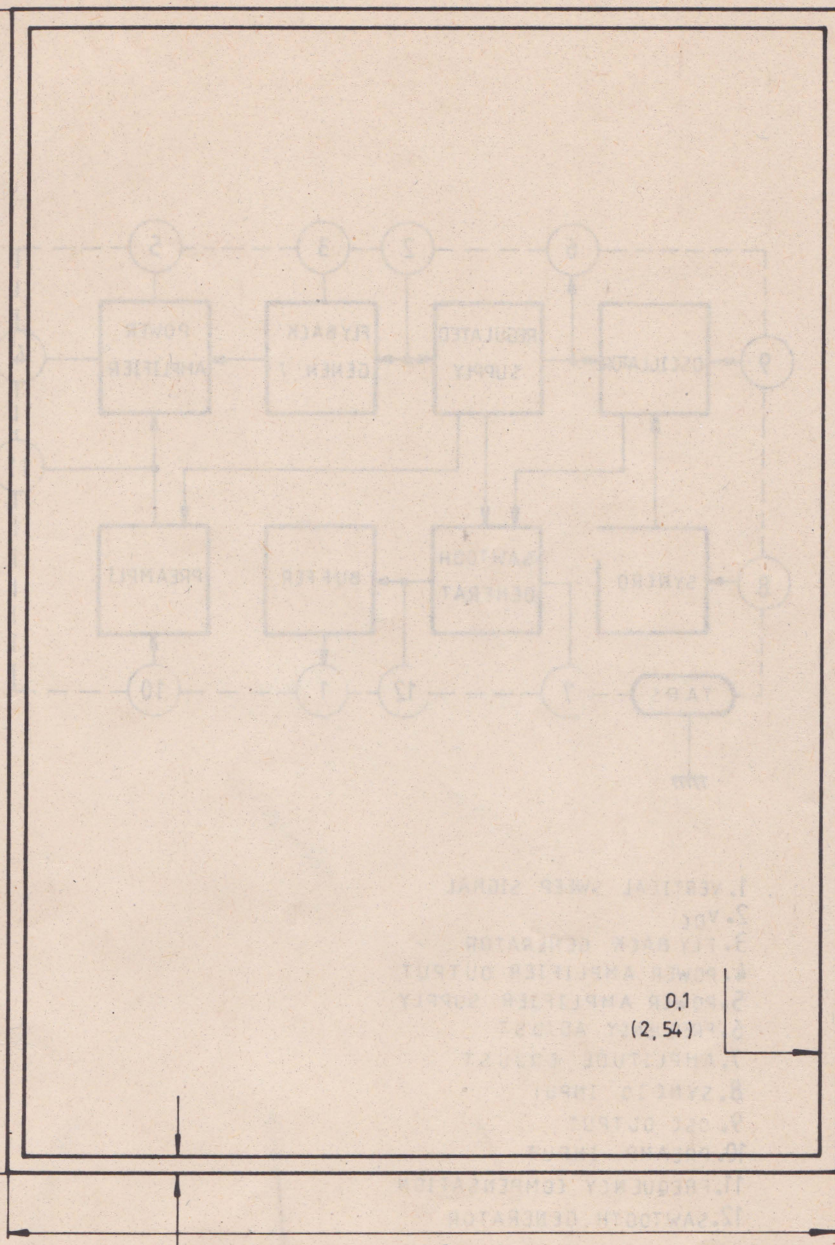
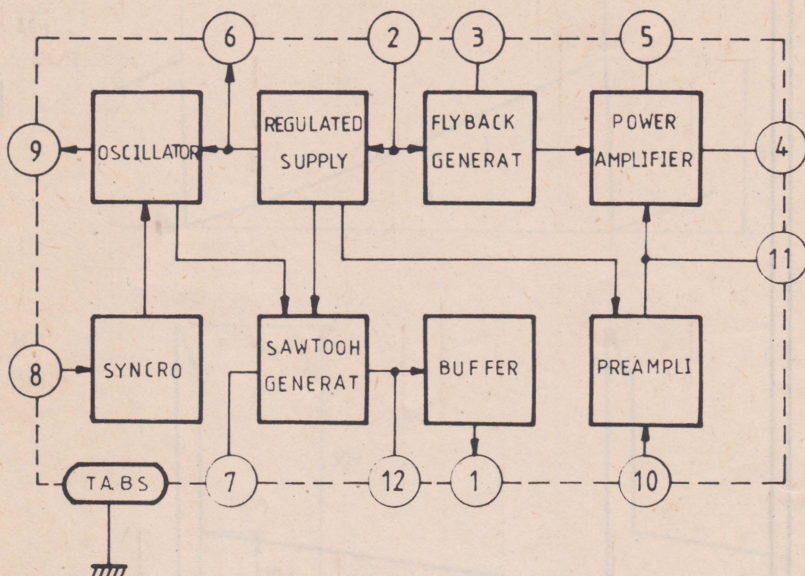


FIG. 12

12" MONITOR DISPLAY AREA		869 591 100
Rev. A	VMB -VT	
		Sheet 5. of 6



1. VERTICAL SWEEP SIGNAL
2. V_{DC}
3. FLY BACK GENERATOR
4. POWER AMPLIFIER OUTPUT
5. POWER AMPLIFIER SUPPLY
6. FREQUENCY ADJUST
7. AMPLITUDE ADJUST
8. SYNCRO INPUT
9. OSC OUTPUT
10. PREAMP INPUT
11. FREQUENCY COMPENSATION
12. SAWTOOTH GENERATOR

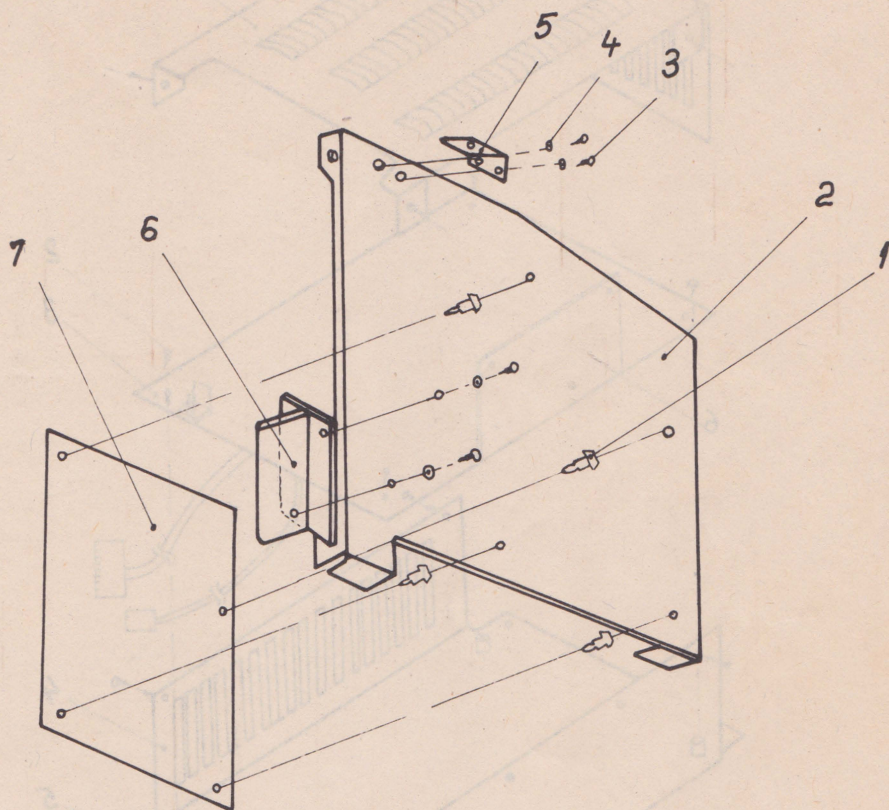
TDA 1170 SH PINS ASSIGNATION

Rev.

VBM-VT

VDT 52-S

Sheet 6 of 6



- 1 RENZEM CU BLOCARE
- 2 SUBANSAMBLU PERETE LATERAL DREAPTA
- 3 SURUB M 4x10
- 4 PLATA PLATA Ø4
- 5 ECHER TÂNDERE
- 6 RADIATOR IC2
- 7 PLACHETA UMB UD-C

869.991.020

869.591.271-A

906.054.410

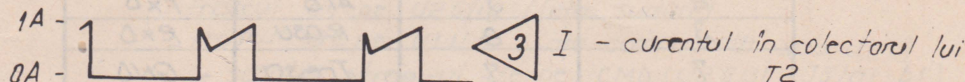
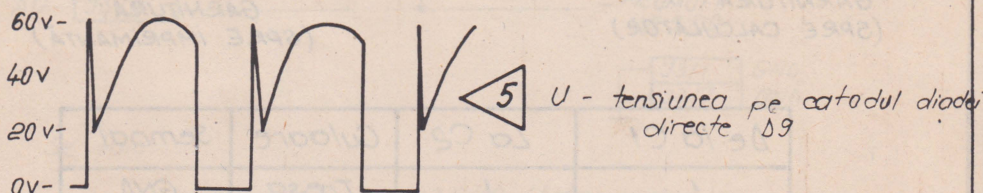
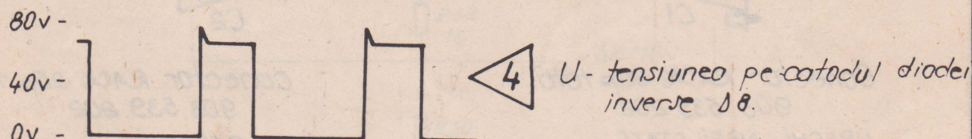
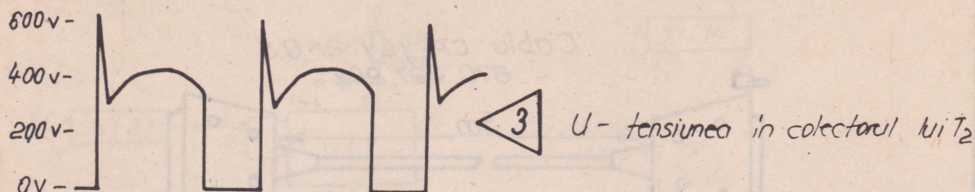
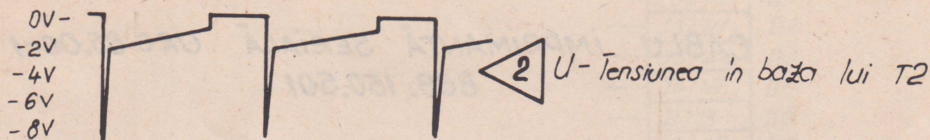
906.080.400

869.591.527

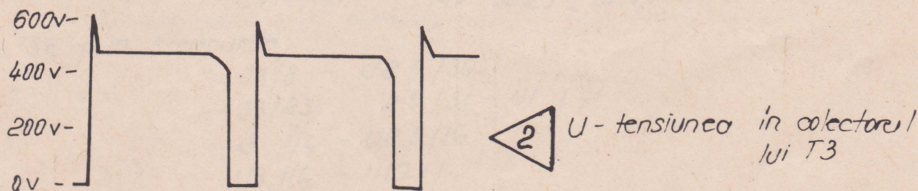
869.591.117

869.591.500-C

Perete lateral dreapta.			
ICE			
APME		CUB-2	

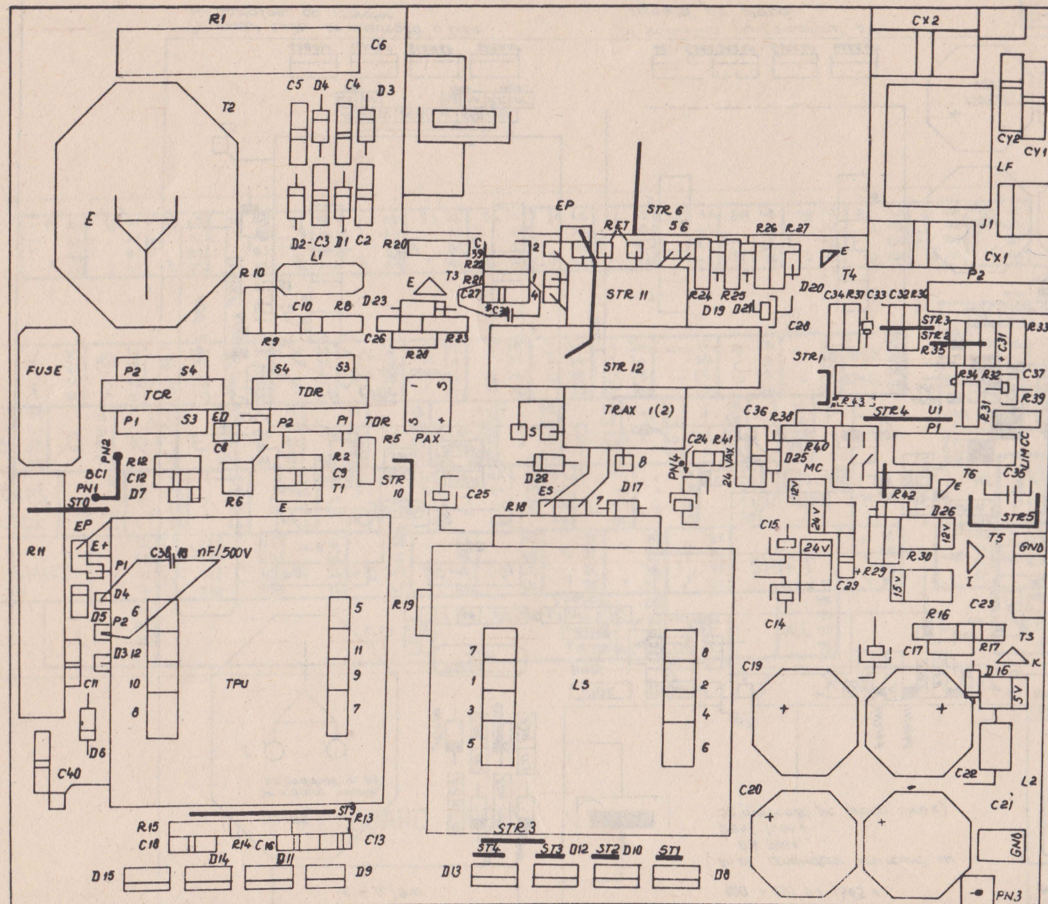


a) Diagrama de semnal pentru sursa de putere



b) Diagrame de semnal pentru sursa auxiliară.

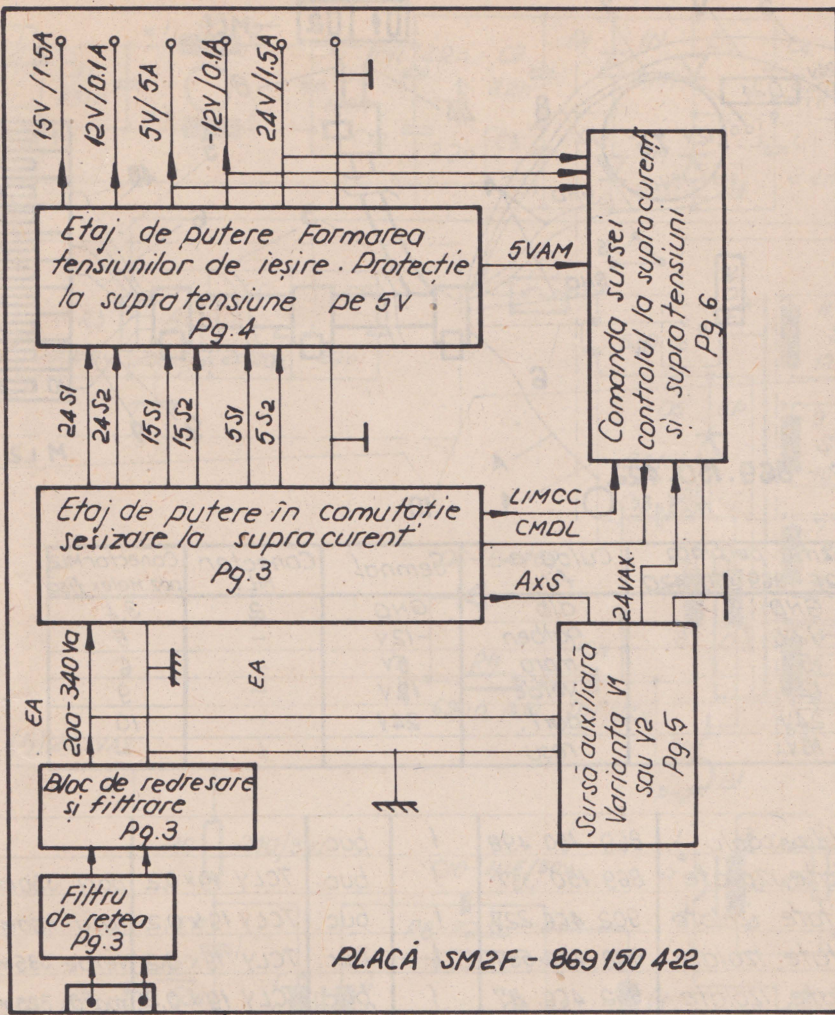
CUB-2 SURSA			
I.C.E	A.P	Diagrame de semnal	
	M.E	869 150 400	



NOTĂ:

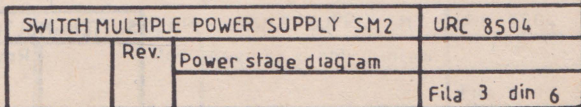
Strapuri se montează primele cu excepția BC1
 BC1 - e fir izolat TLTY 7X0,2 negru de 0,06 m. ce se
 montează numai după testarea sursei, avuțare și a
 circuitului de comandă și control pe pinii PN1 - PN2
 * C30 se implentează pentru T3 - Box 86 în capsula
 mare - TO 220
 ** R43 se montează pe spatele plăcii după
 întreruperea traseului de pleacă din pinul 13
 al circuitului U1, unind cele două șerpente.

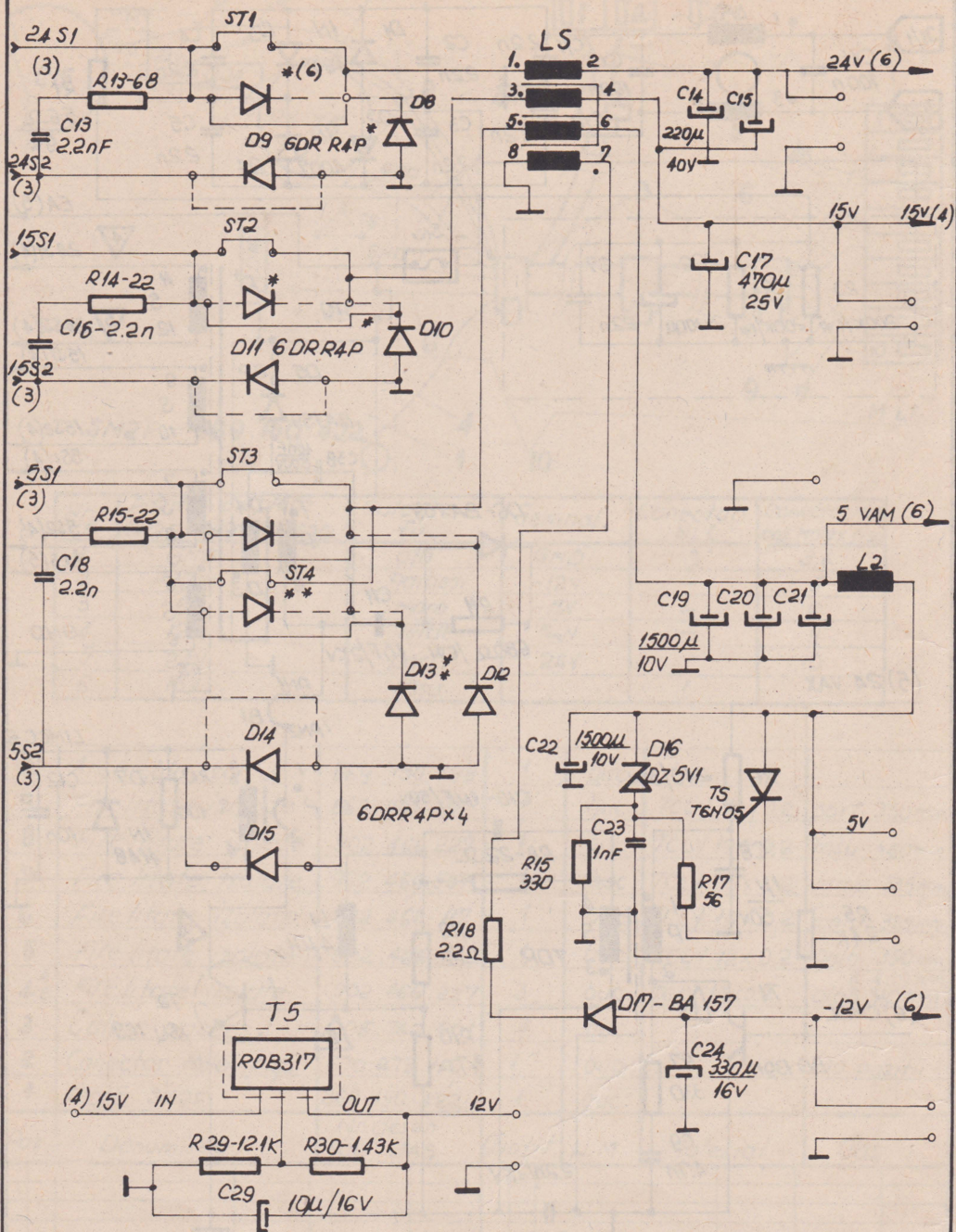
CUB 2 sursă de alimentare			
I.C.E	A.B	Plan implantare	Strapuri
M.E	869	150.425	



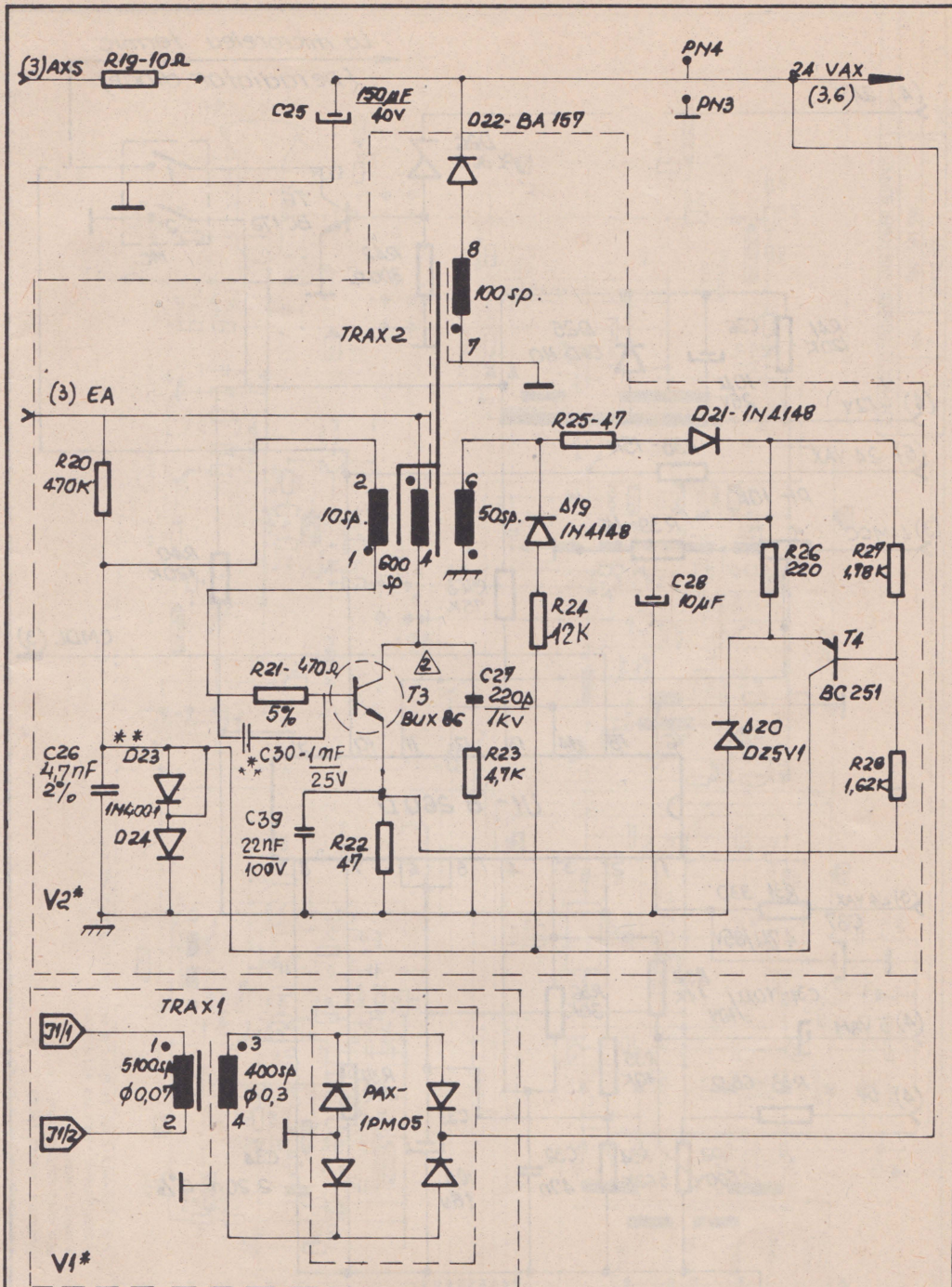
RETEA
~ 220V / 50Hz.

SWITCH MULTIPLE POWER SUPPLY SM2		URC 8504
Rev.	Block diagram	
		Fila 1 din 6



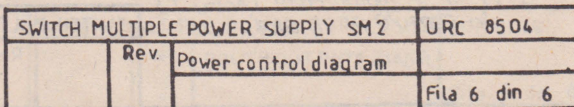


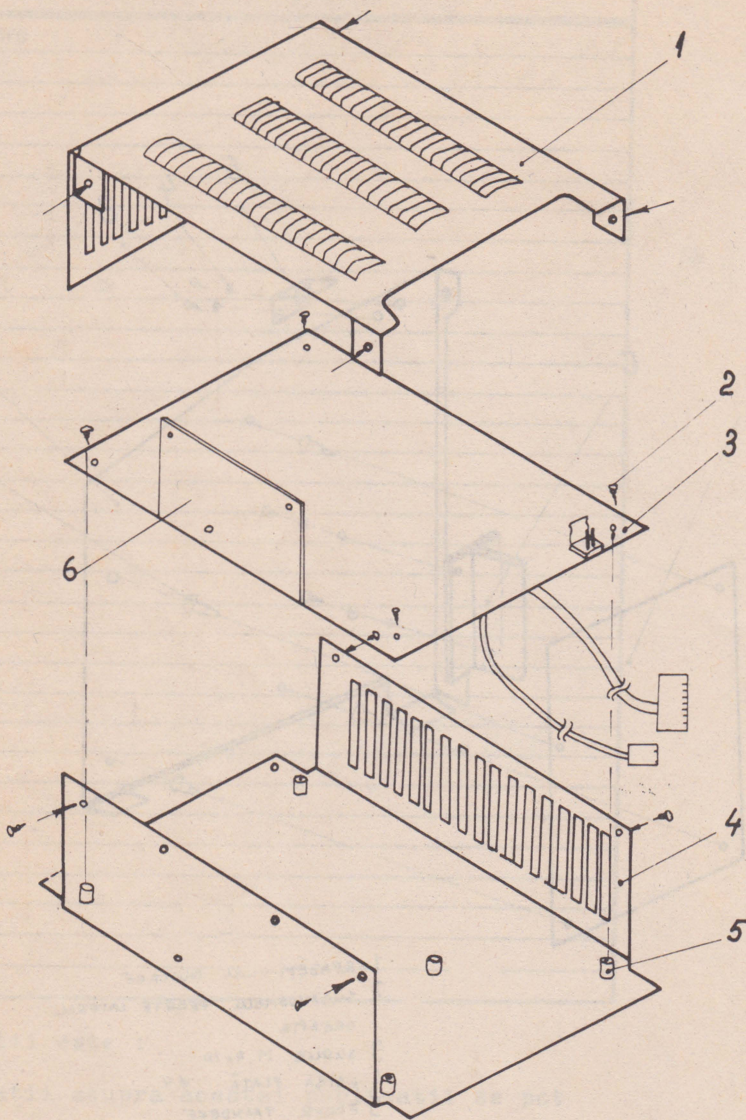
SWITCH MULTIPLE POWER SUPPLY SM2		URC 8504
Rev.	POWER OUT PUTS DIAGR.	
		Fila 4 din 6



- * Se echipează V1 sau V2
 * D23 se suntează.
 ** C30 se implantează pentru T3
 în capsulă - Tφ 220.

SWITCH MULTIPLE POWER SUPPLY SM2		URC 8504
Rev.	Auxiliar supply diagram	
		Fila 5 din 6





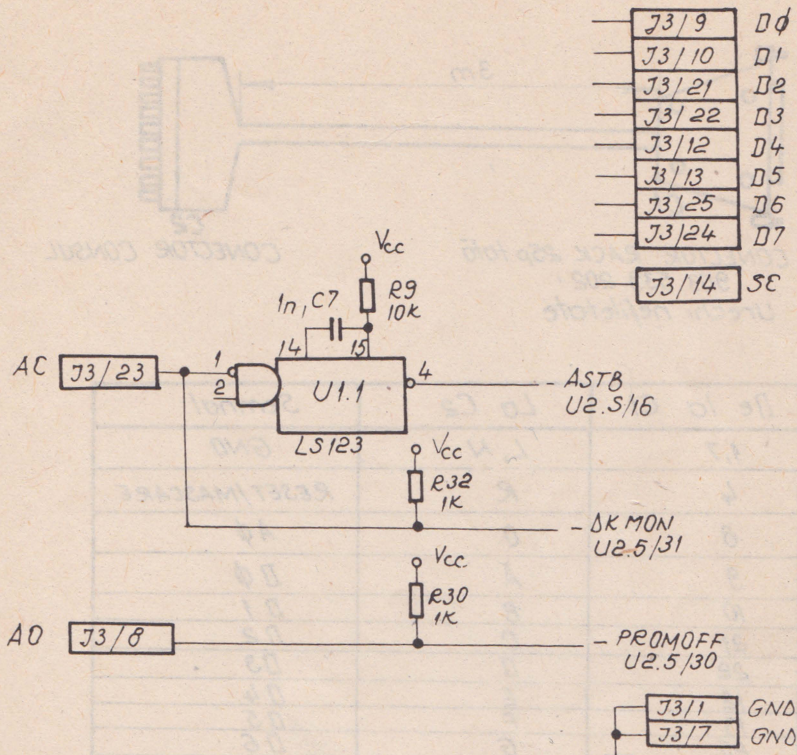
- | | | |
|---|----------------------|-------------|
| 1 | CAPAC CUTIE | 869 150 473 |
| 2 | surub M 3x6 | 906 054 306 |
| 3 | PLACUȚĂ SM 2F | 869 150 422 |
| 4 | CUTIE SURSĂ | 869 150 471 |
| 5 | PLĂCĂ DE SERTIZAT MS | 869 150 472 |
| 6 | RADIATOR SURSĂ | 869 150 464 |

Asamblare sursa

ICE
APME

CUB-Z

Modificări pe MBZ pentru cuplarea imprimantei CONSUL la microcalculatorul CUB-2



Se taie

- traseul de pe U2.5/30 (fața suduri)
- traseul de pe U2.5/16 (fața suduri)
- traseul de pe U1.1/1 (fața componente, sub U1.1)
- se scoate strap-ul de pe CMD (U2.5/31 - J5/a1, b1)

se plantează:

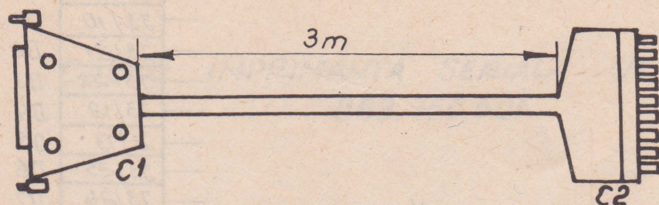
- R9 = 10kΩ, RPM 3050, 5%
- C7 = 1nF, MF 3223, 10%, 50V

Se pun strapurile:

- J3/8 - U2.5/30
- J3/23 - U2.5/31 - U1.1/1
- U1.1/4 - U2.5/16
- U9.1/6 - U10.1/2
- S21 - S22
- J5/a1, b1 - U1.1/8

CUB-2			
I.C.E	A.P	Imprimanta	
	M.E	CONSUL	Fila 1/2

CABLU CUB-2 , imprimantă CONSUL



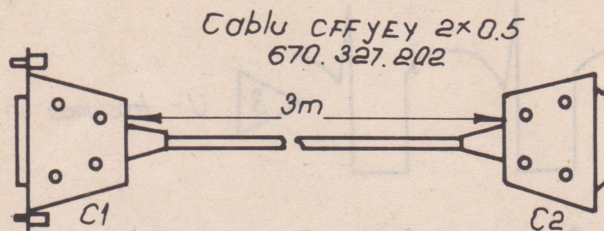
CONECTOR RACK 25p totă
903.539.202
Urechi nefiletate

CONECTOR CONSUL

De la C1	La C2	Semnal
1,7	L, N	GND
4	R	RESET/MASCARE
8	D	A ϕ
9	A	D ϕ
10	B	D1
21	C	D2
22	D	D3
12	E	D4
13	F	D5
25	G	D6
24	H	D7
14	K	SC
23	M	AC
	S T W I J P V } Strapeti pe C2	

CUB-2			
I.C.E	A.P	Imprimantă	
	M.E	CONSUL	Fila 2/2

CABLU IMPRIMANTĂ SERIALĂ URC 85.06-1 869.150.501



Conector RACK 25p totă
903.539.202

URECHI NEFILETATE
GARNITURĂ
(SPRE CALCULATOR)

Conector RACK 25p totă
903.539.202

CU CAPAC:
GARNITURĂ:
(SPRE IMPRIMANTĂ)

De la C1	La C2	Culoare	Semnal
1	1	Tresa	GND
2	3	A/b	TxD
3	2	ROSU	RxD
7	7	Tresa	GND

FORMA CABLU CUB-2		869.150.501
I.C.E	A.P	Imprimantă serială
	M.E	