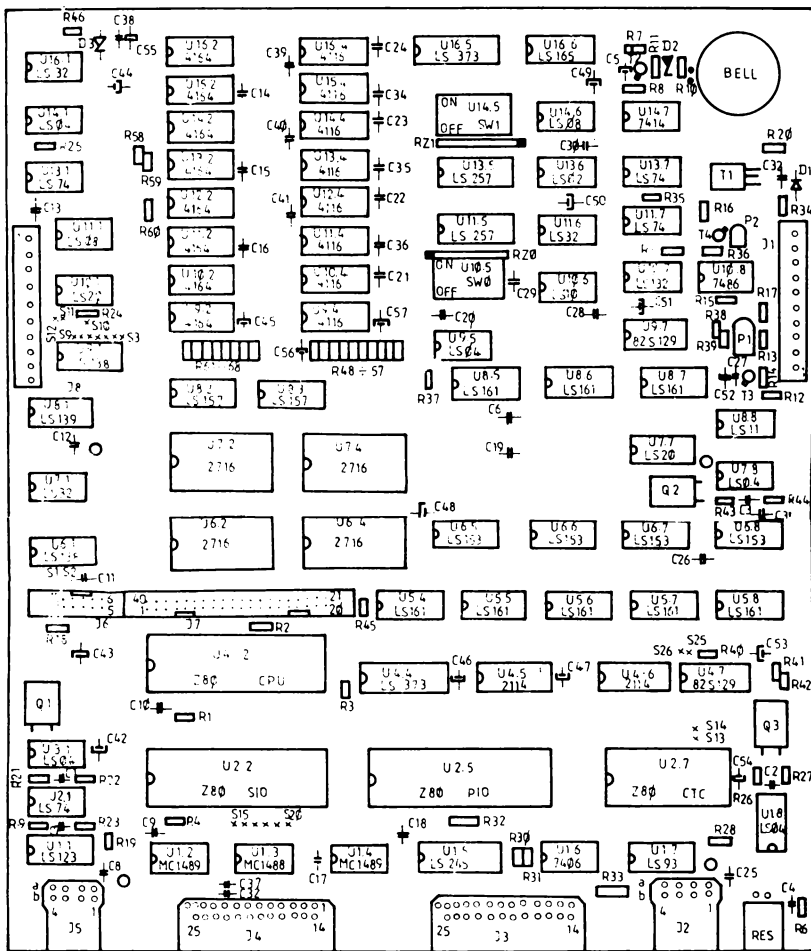
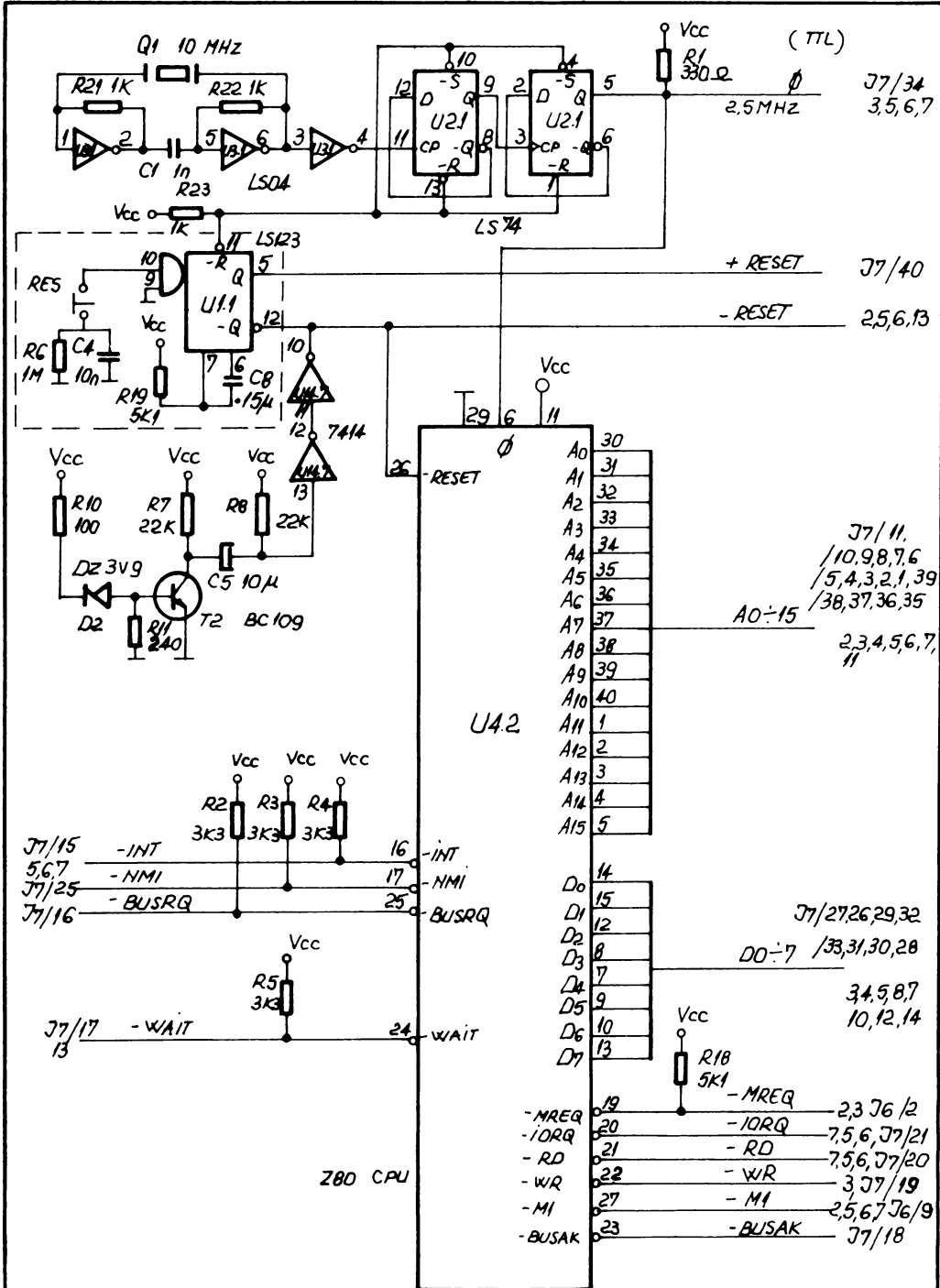
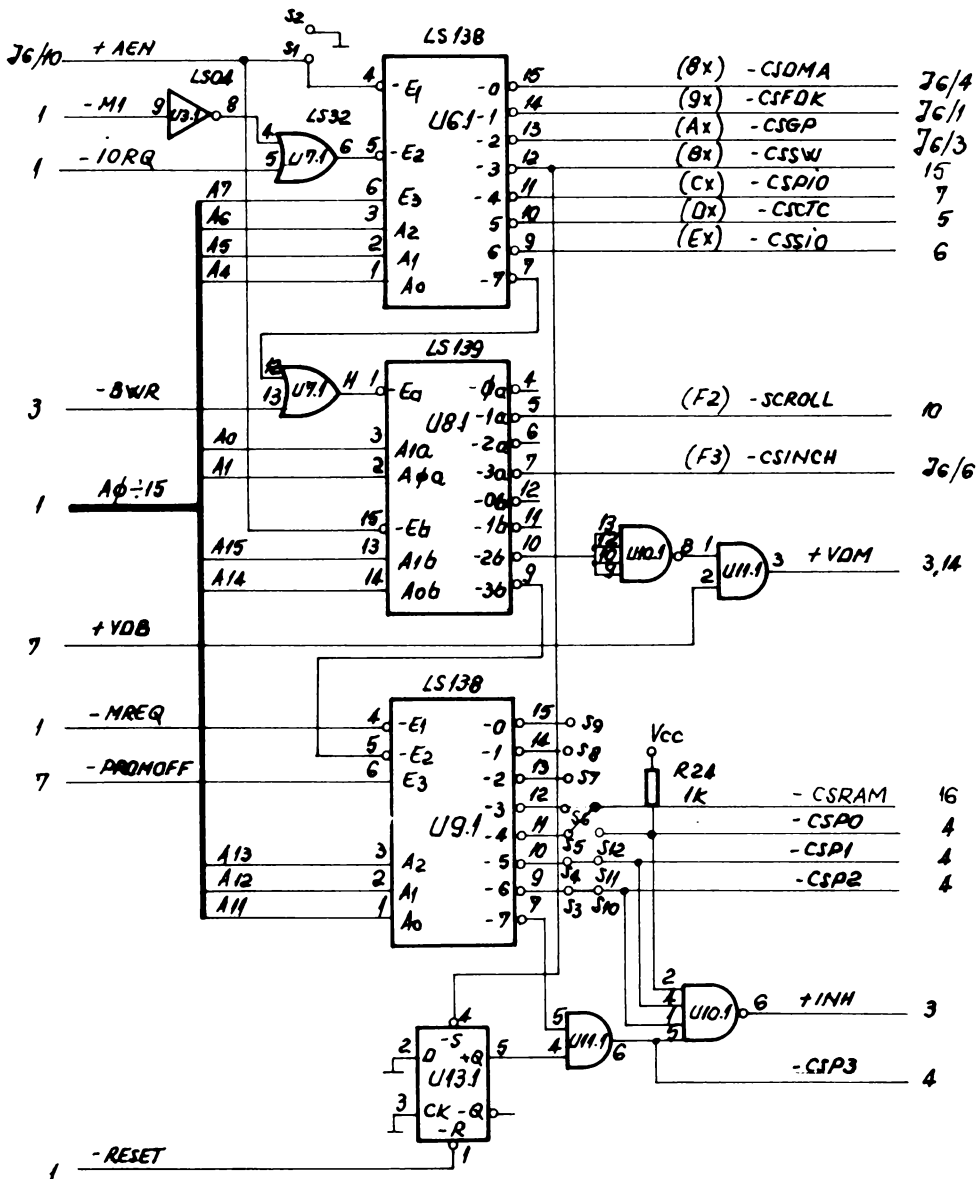


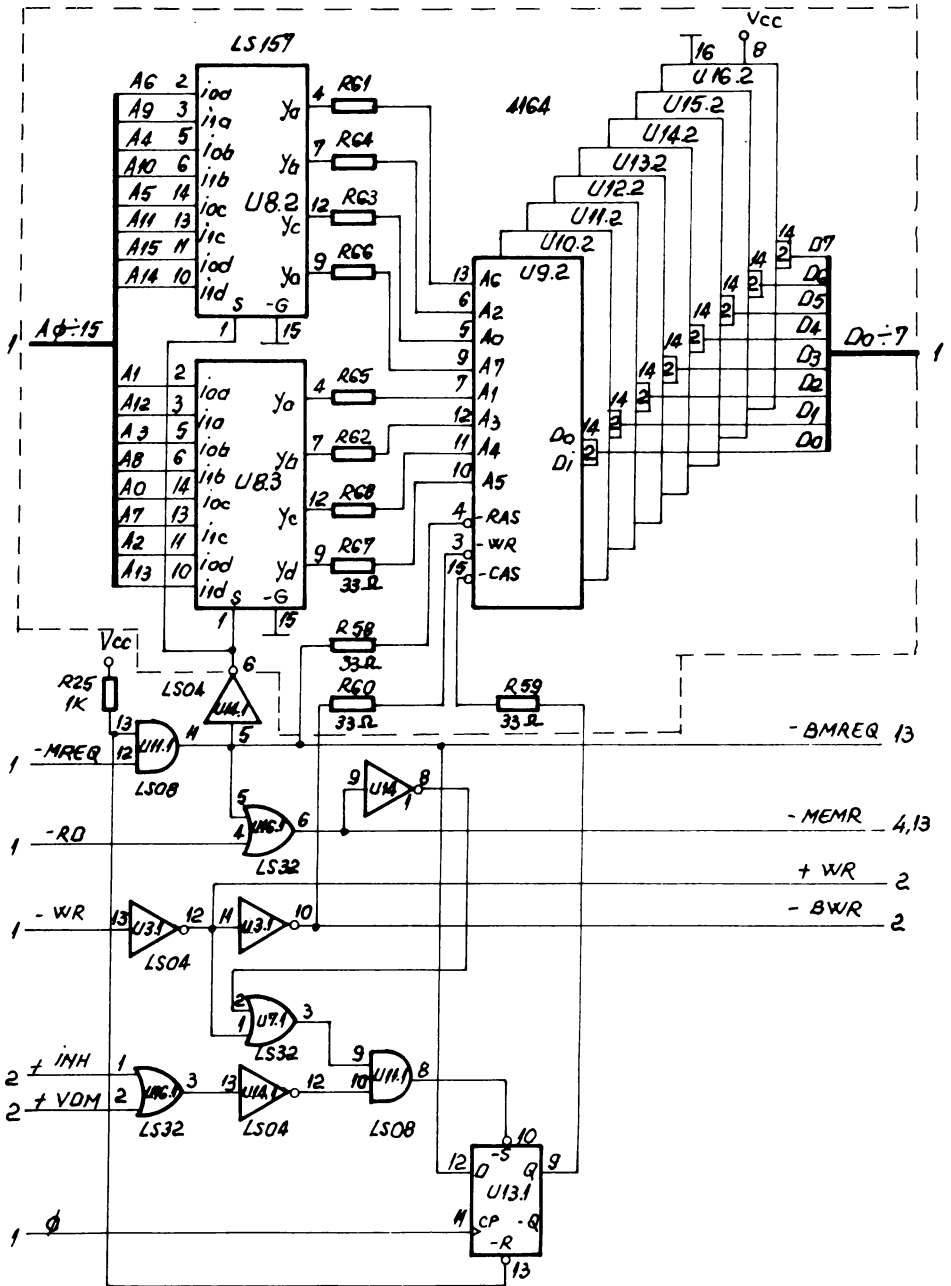




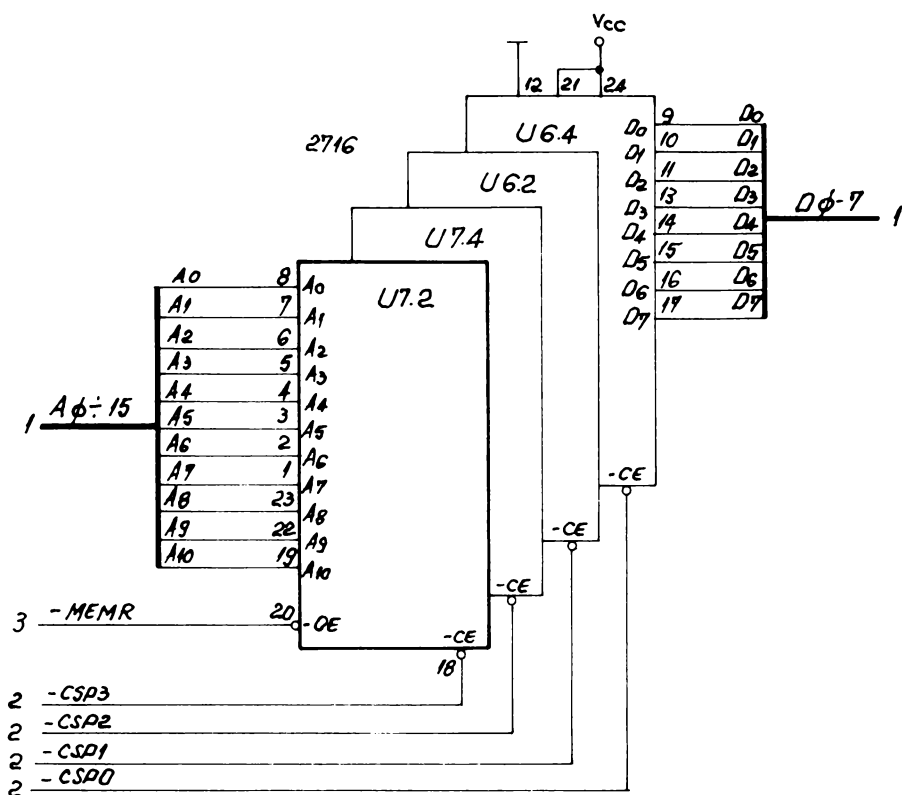
MAIN BOARD		URC 85.01
Rev.	CPU	
		Sheet 1 of 16



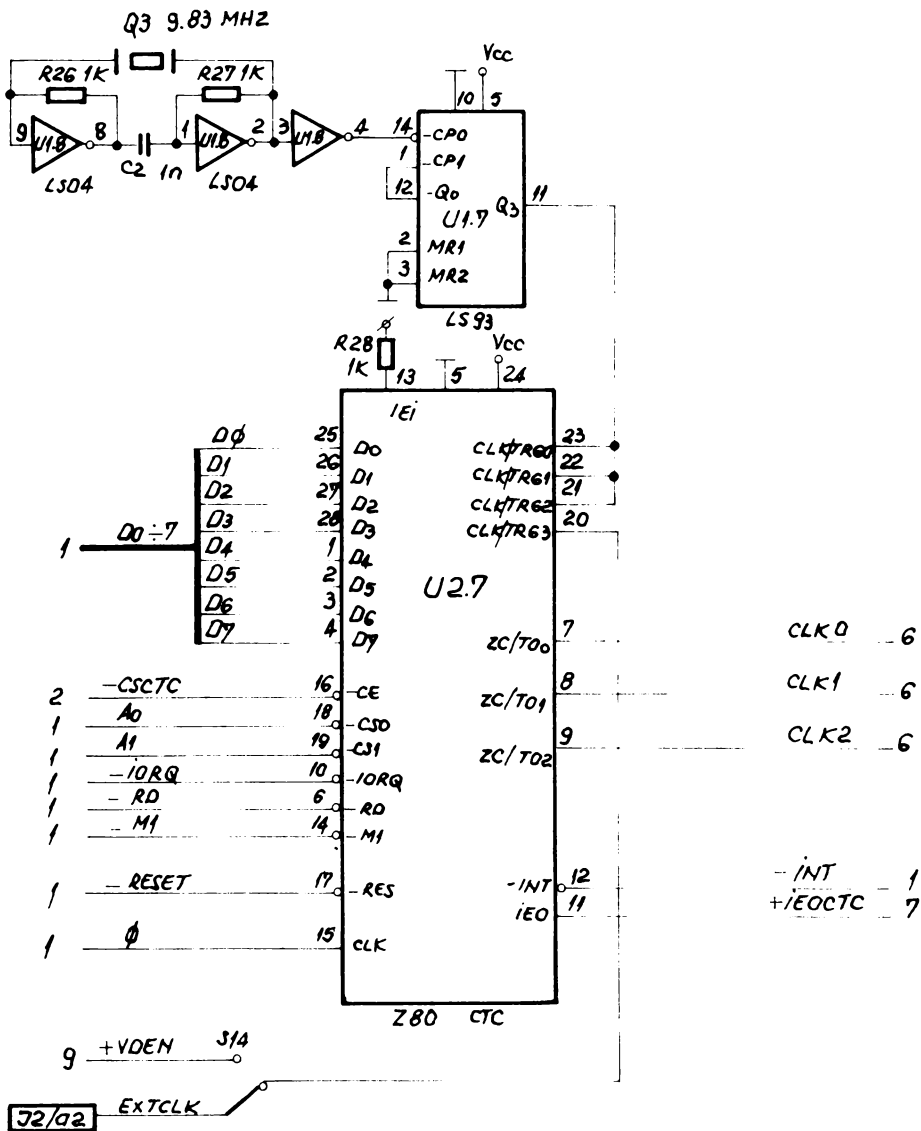
MAIN BOARD		URC 85.01
Rev.	I/O DECODER	
		Sheet 2 of 16



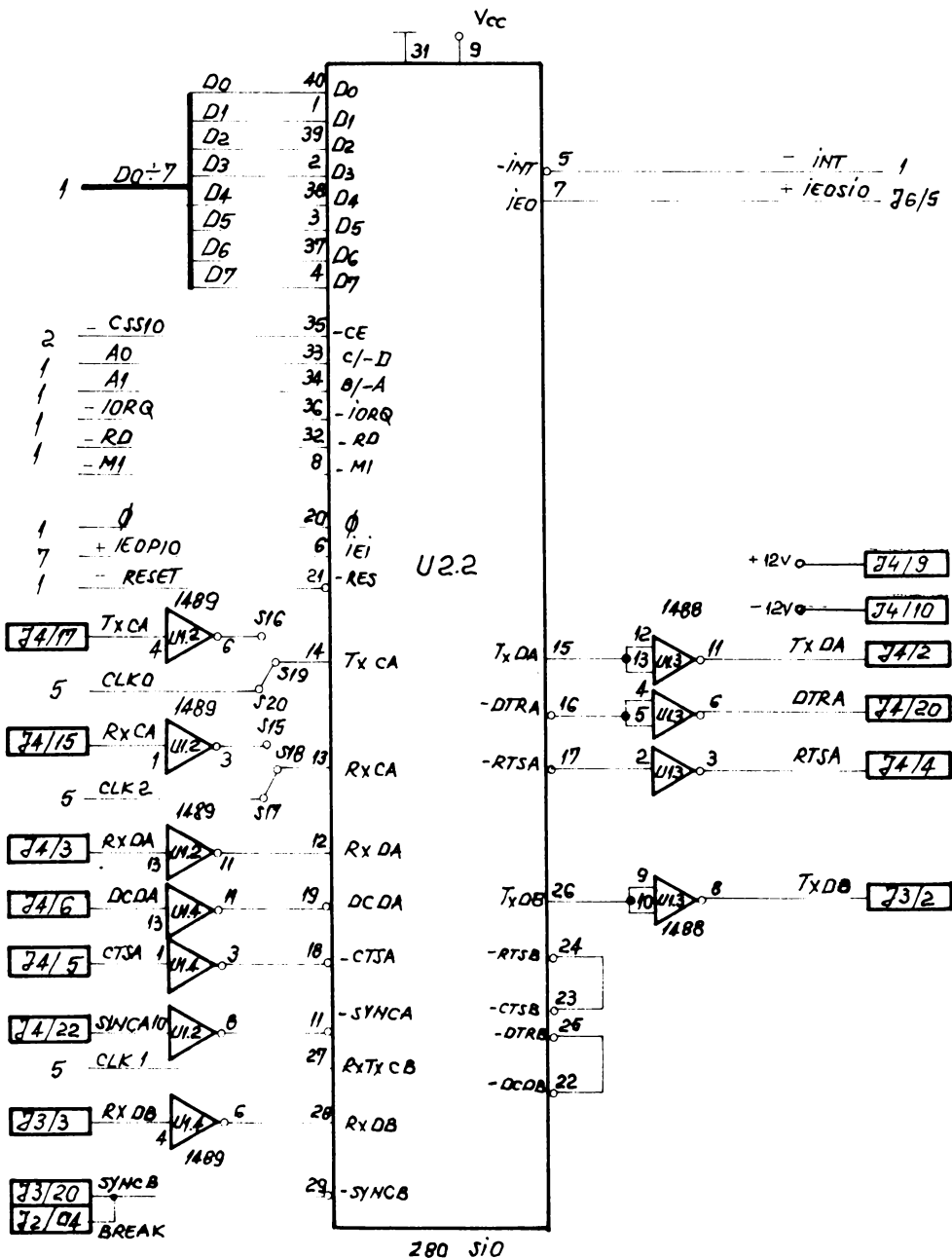
MAIN BOARD		URC 85.01
Rev.	RAM	
		Sheet 3 of 16



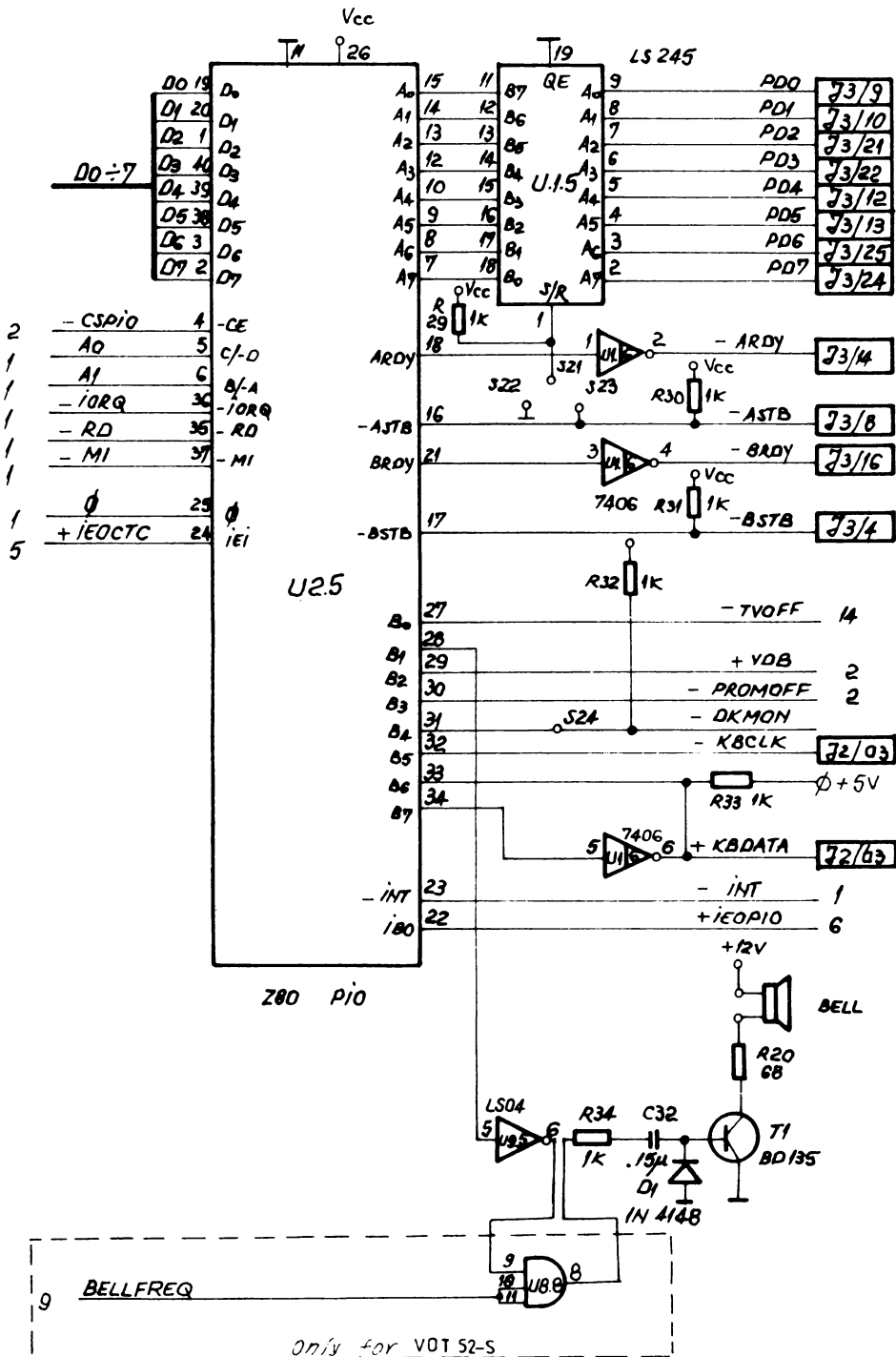
MAIN BOARD		URC 85.01
Rev.	EPROM	
		Sheet 4 of 16



MAIN BOARD		URC 85.01
Rev.	TIMER	
		Sheet 5 of 16



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

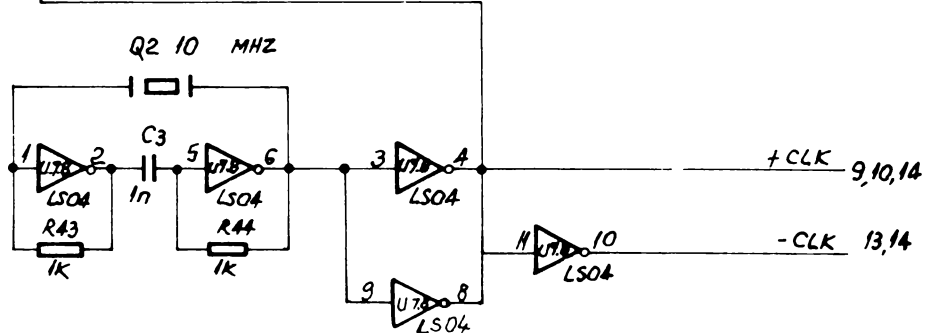
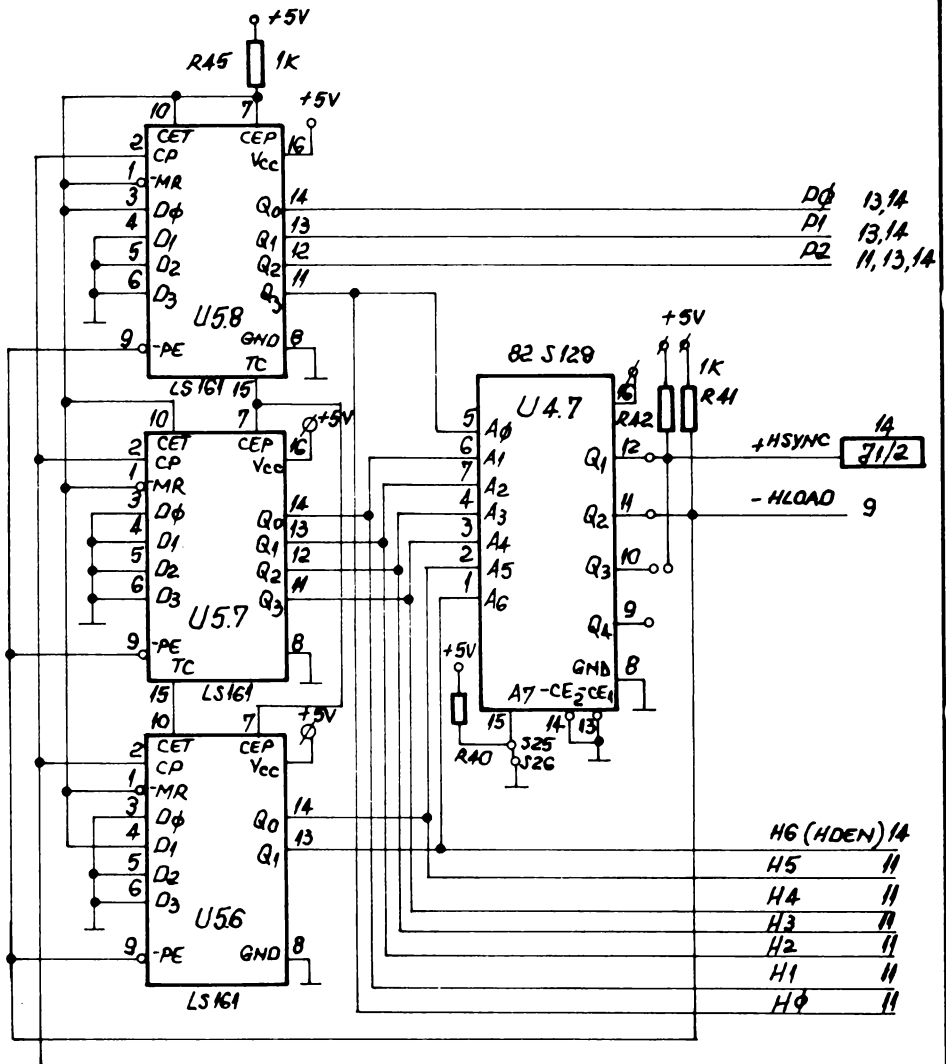


MAIN BOARD

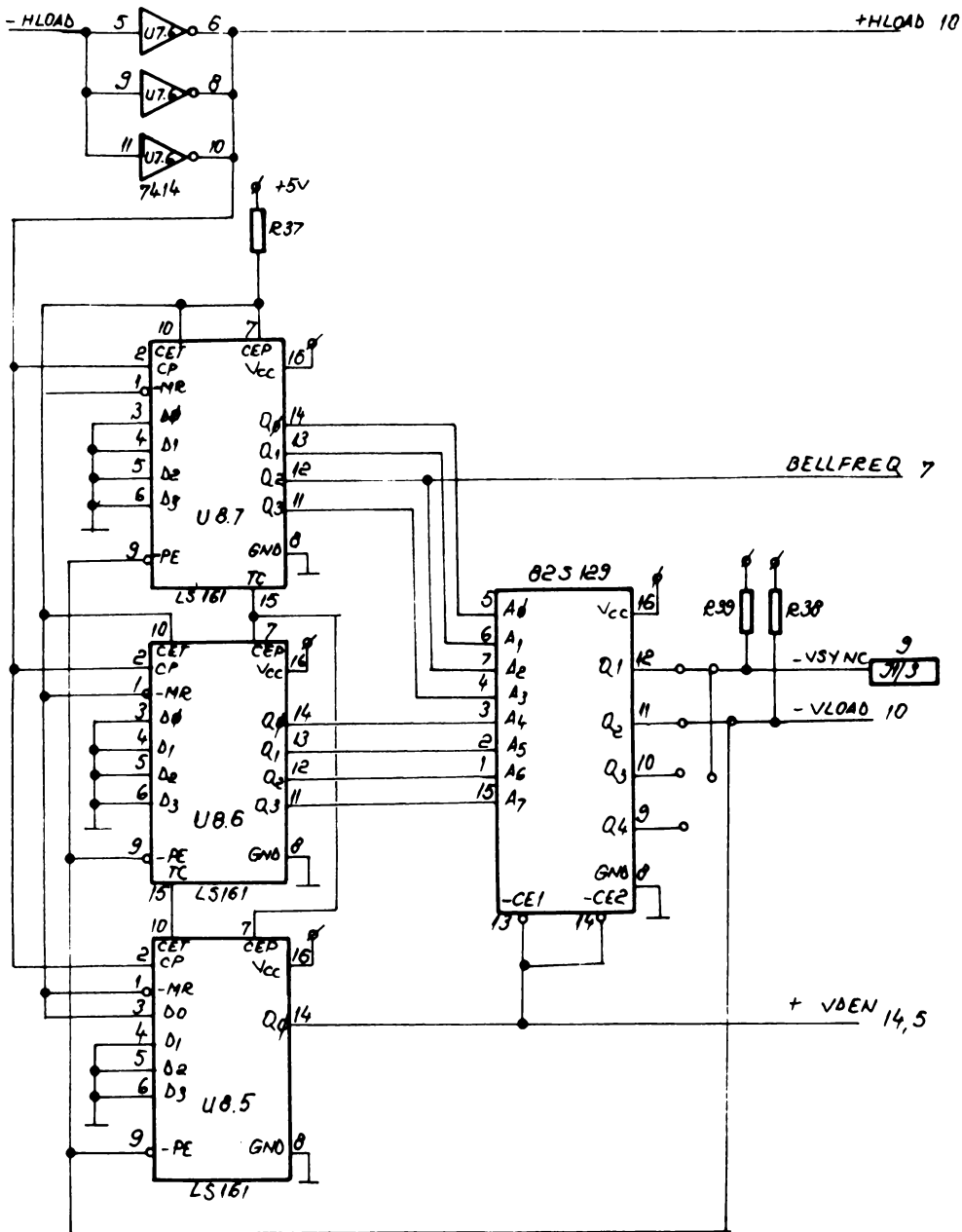
URC 85.01

Rev. PARRALEL I/O

Sheet 7 of 16

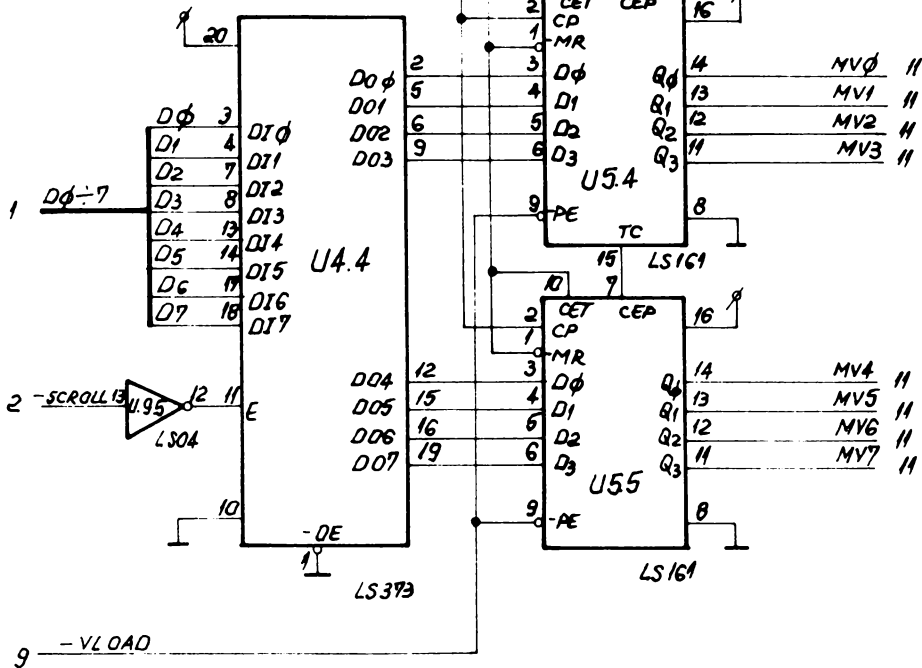


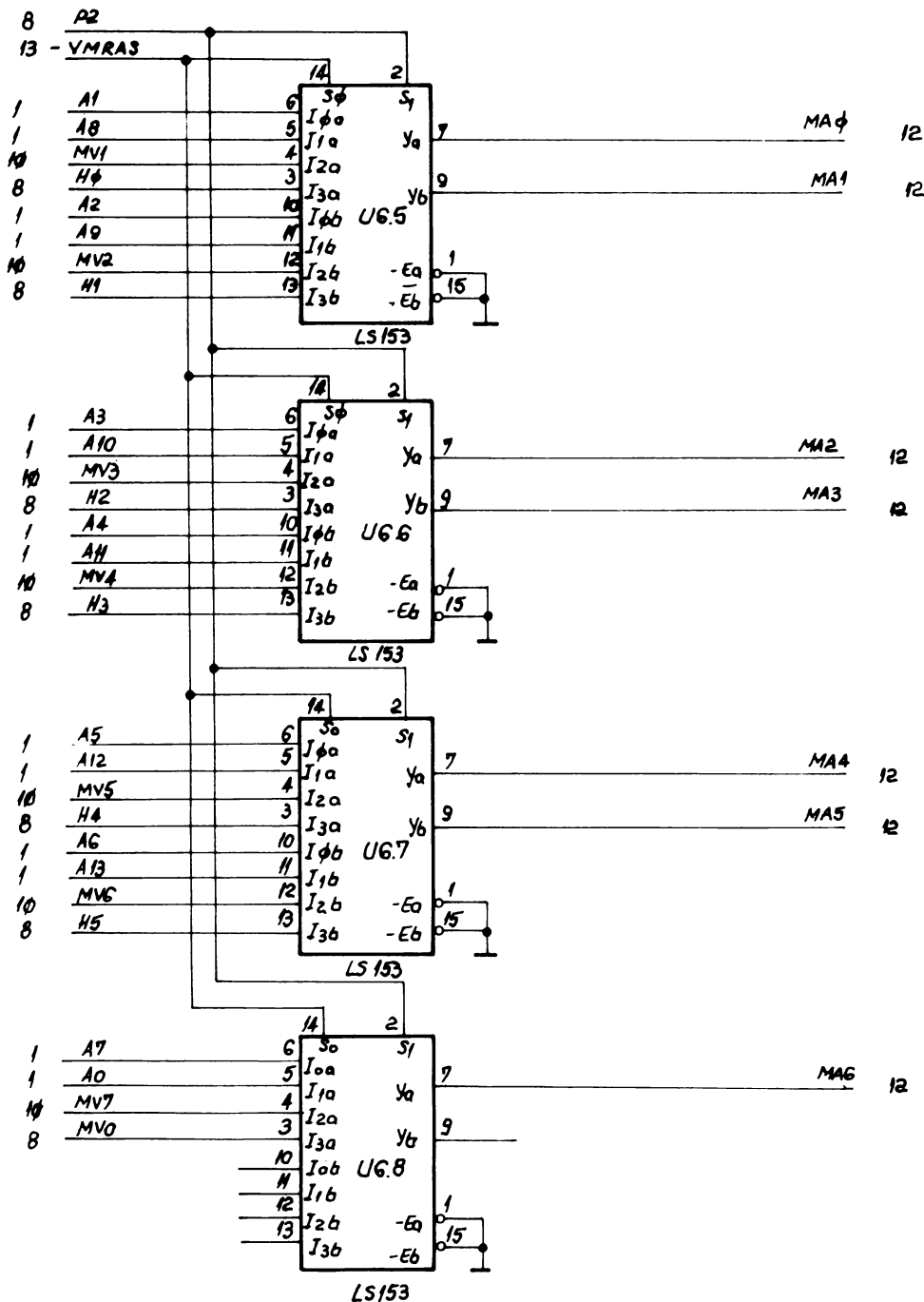
MAIN BOARD		URC 85.01
Rev.	HORIZONTAL SYNC	
		Sheet 8 of 16

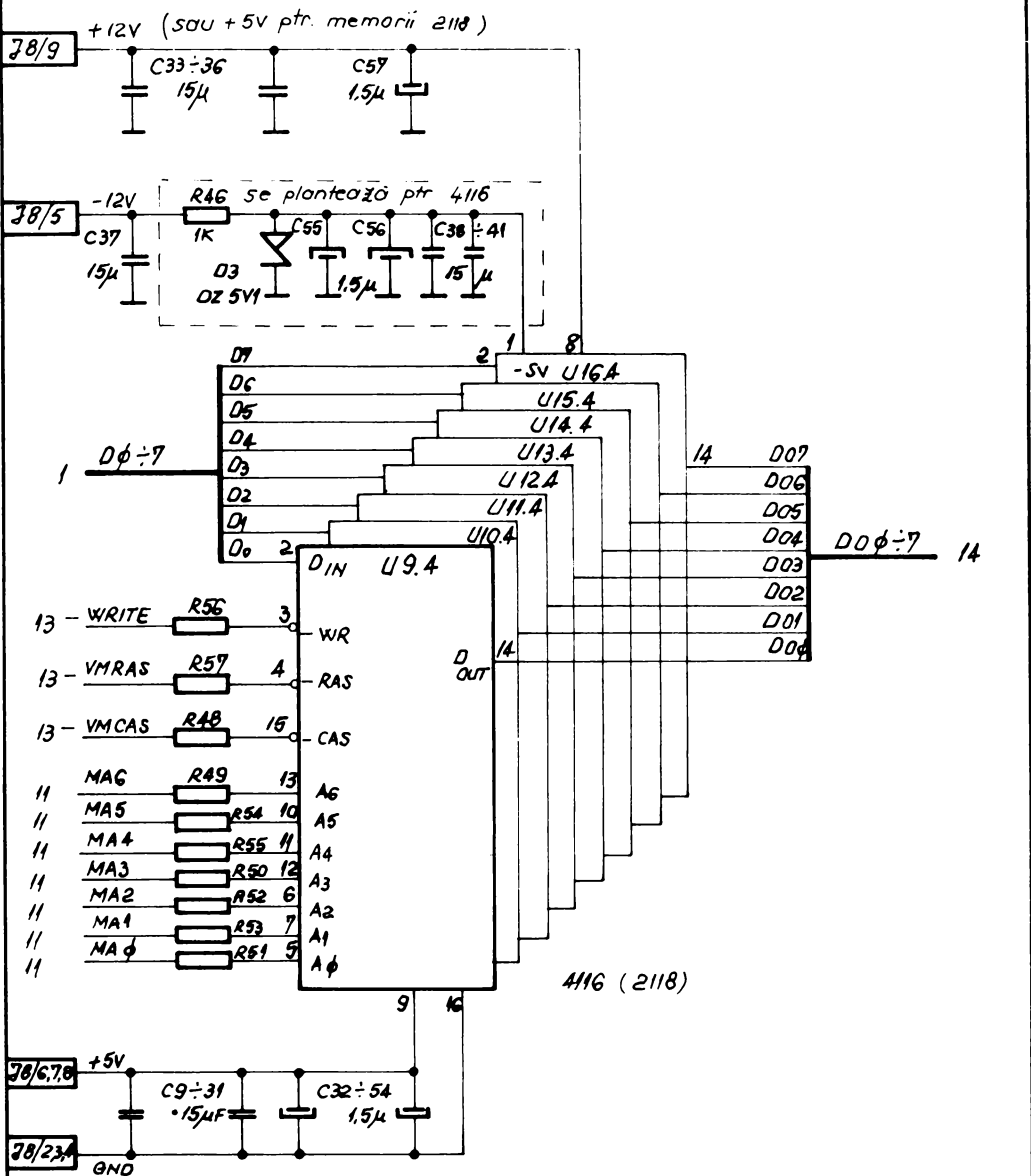


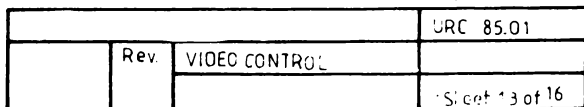
MAIN BOARD		URC 05.01
Rev.	VERTICAL SYNC	
		sheet 9 of 16

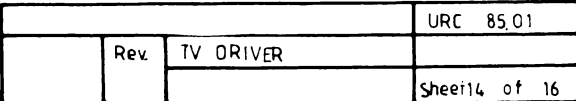
9 + HLOAD

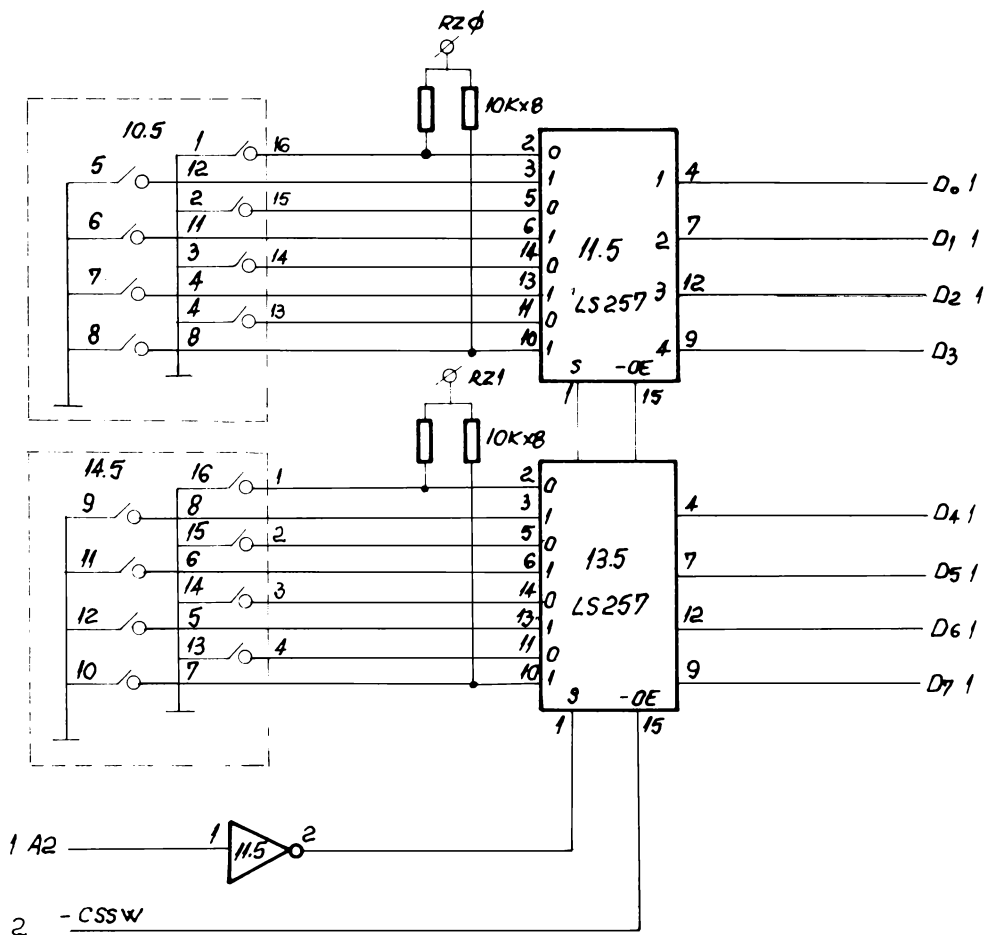




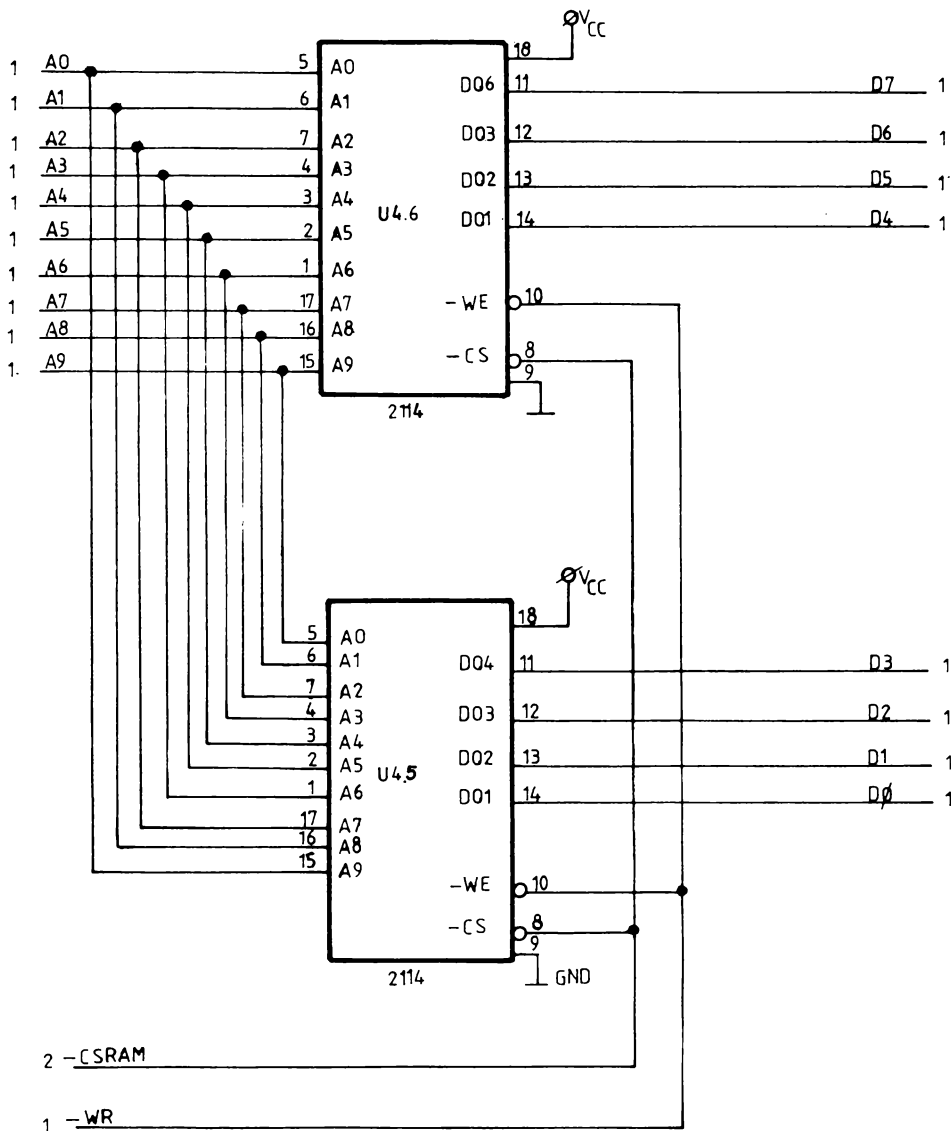


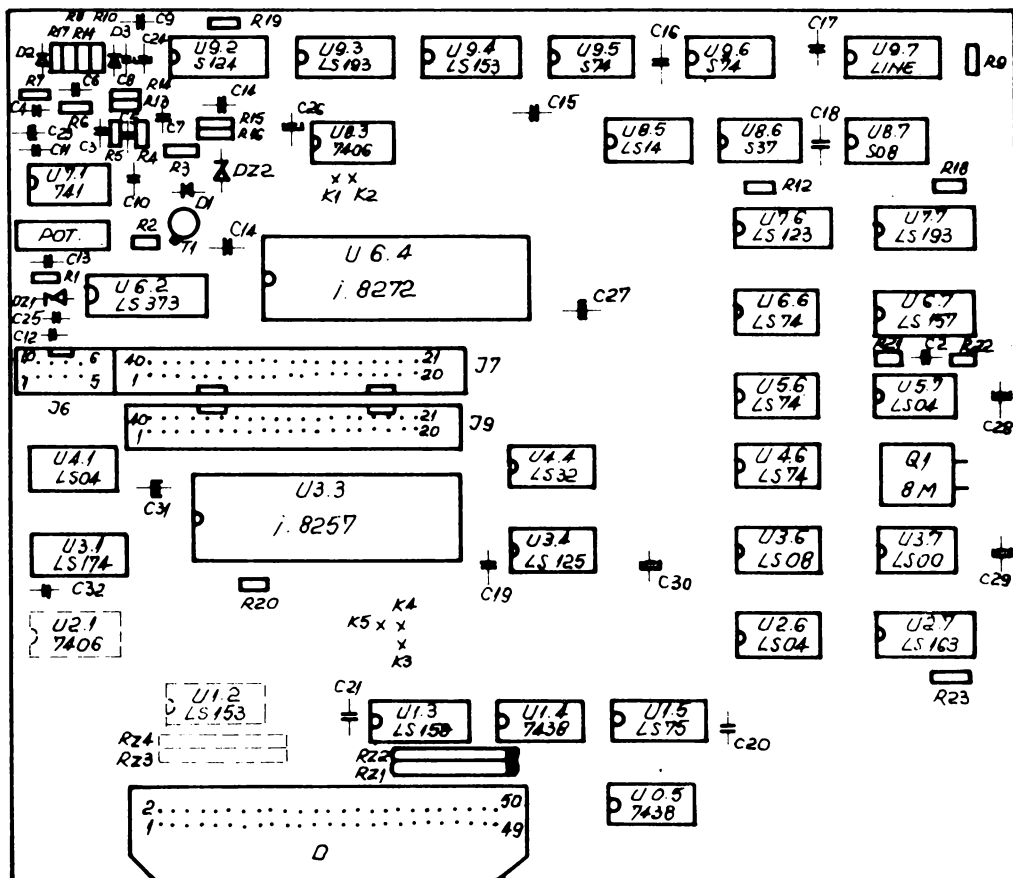






		URC 85,01
Rev.	SWITCHES	
		Sheet 15 of 16

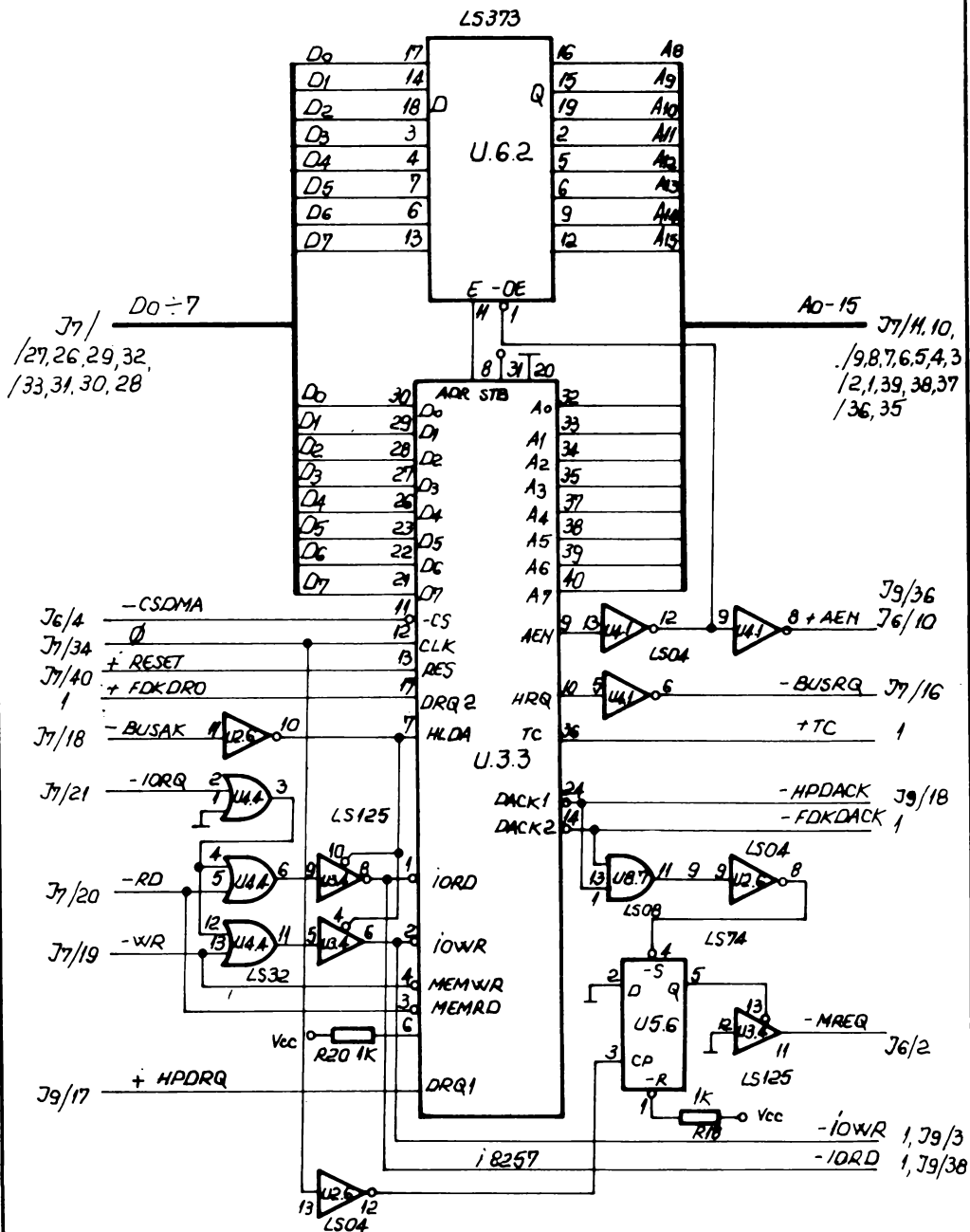




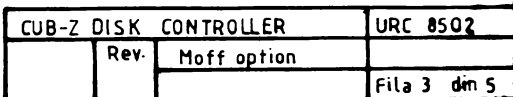
CUB-Z DISK CONTROLLER		URC 85-02
Rev.	DCZ LAYOUT	
	Fila 1 din 1	



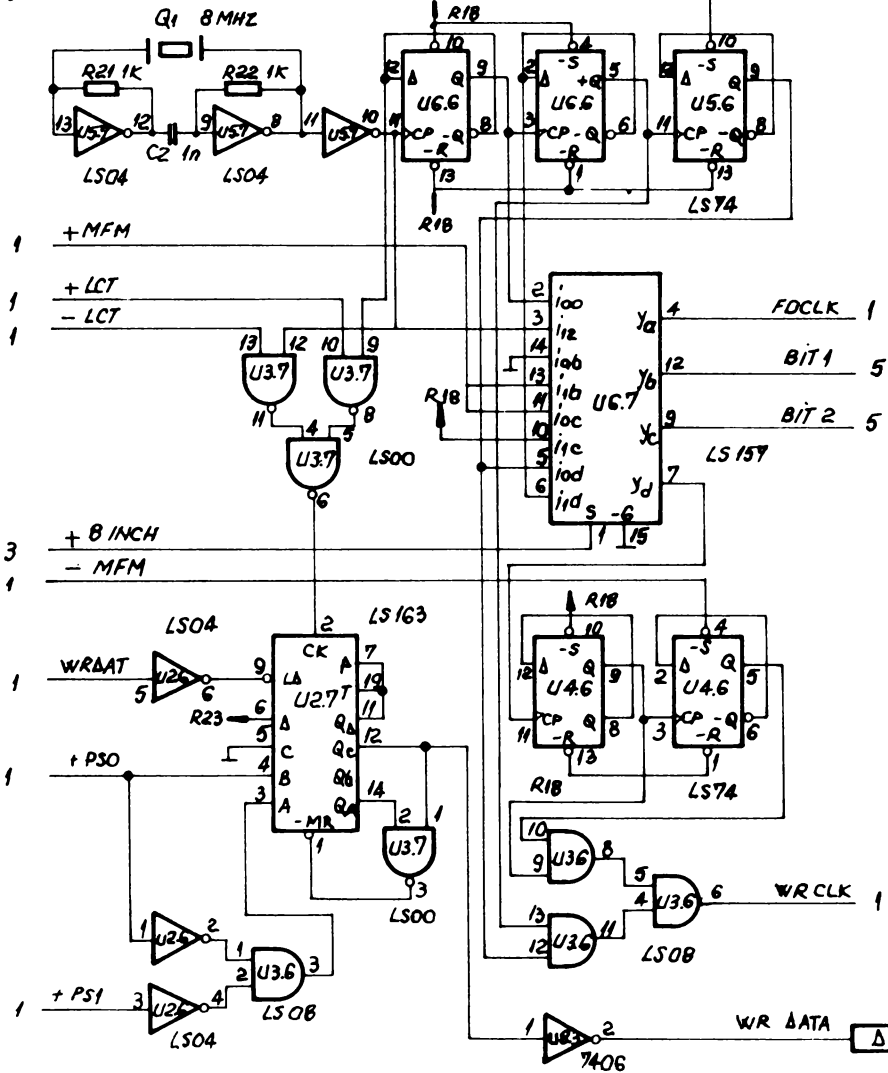
Fila 1 din 5

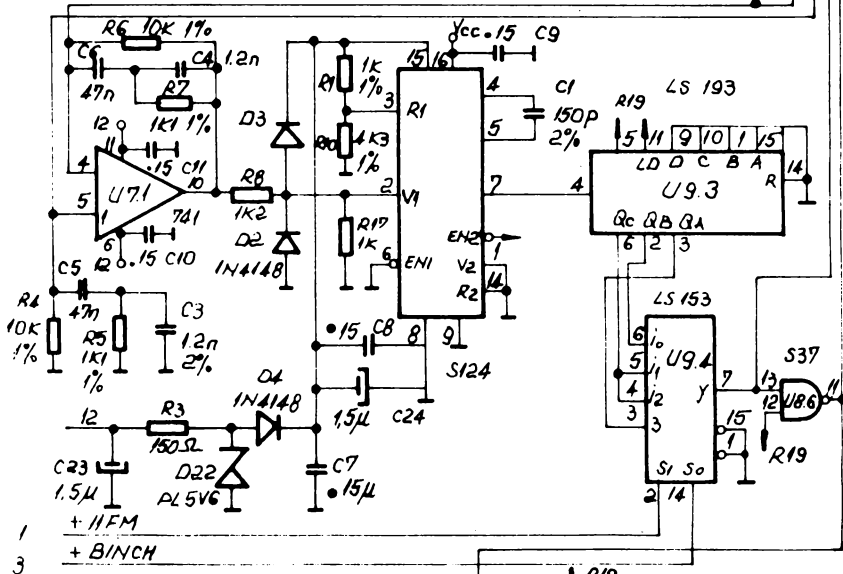
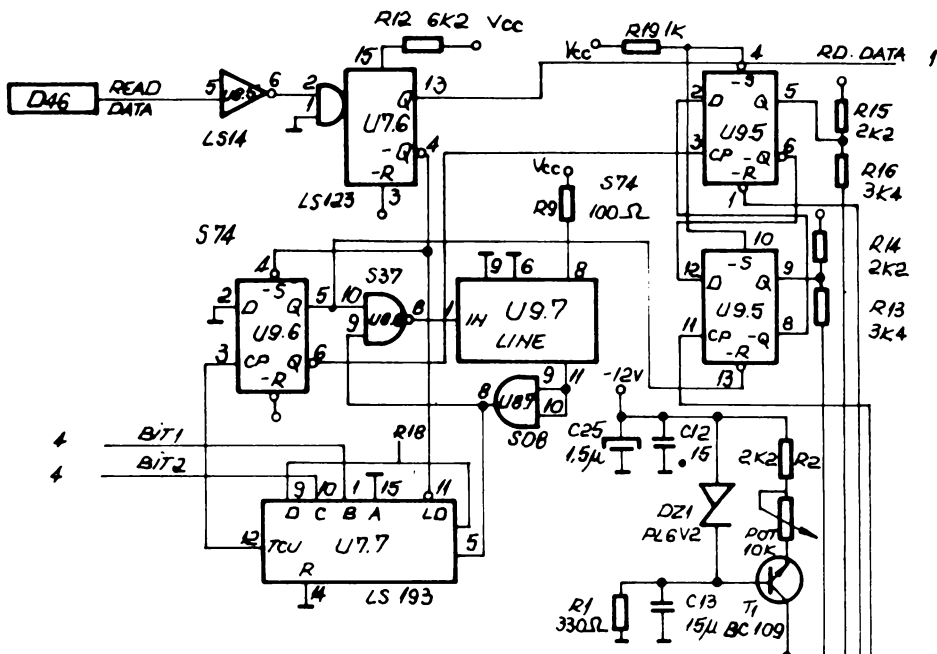


CUB-Z DISK CONTROLLER		URC 85.02	
	Rev	DMA	-
			Fila 2 din 5



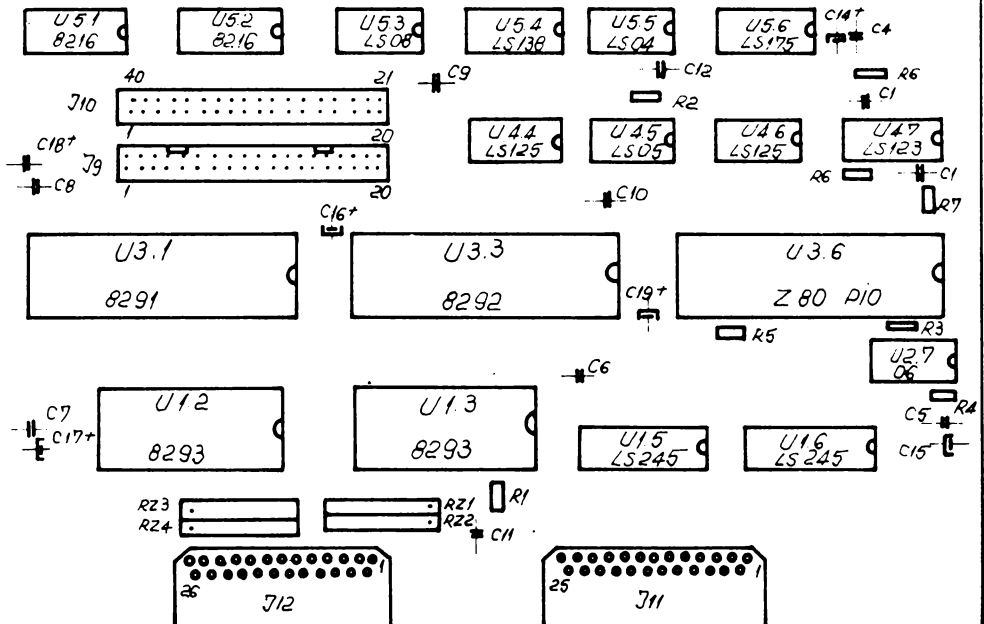
3 - 8 INCH



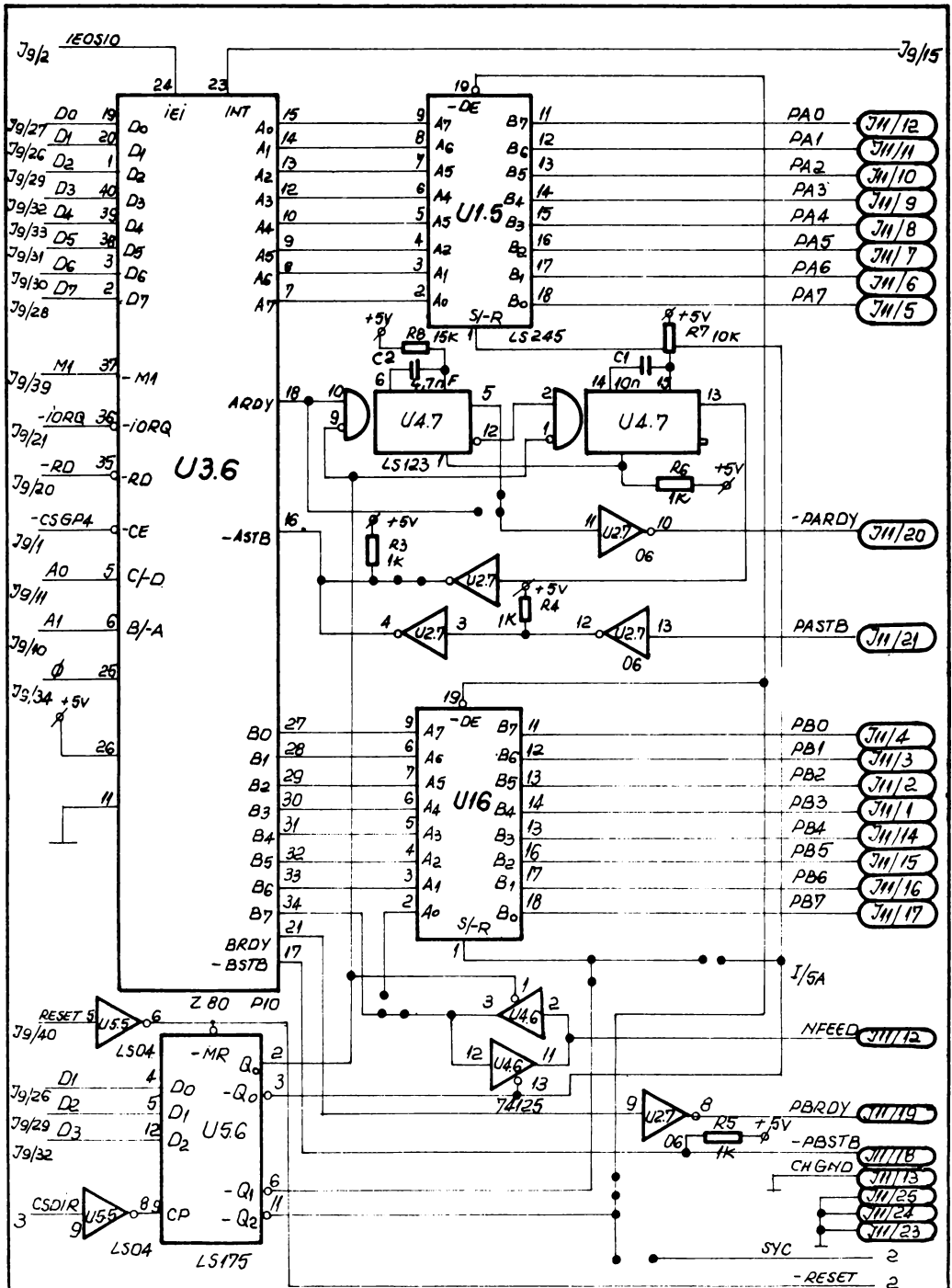


CUB-Z	DISK CONTROLLER	URC 85 02
Rev.	PLL	
		Fila 5 din 5

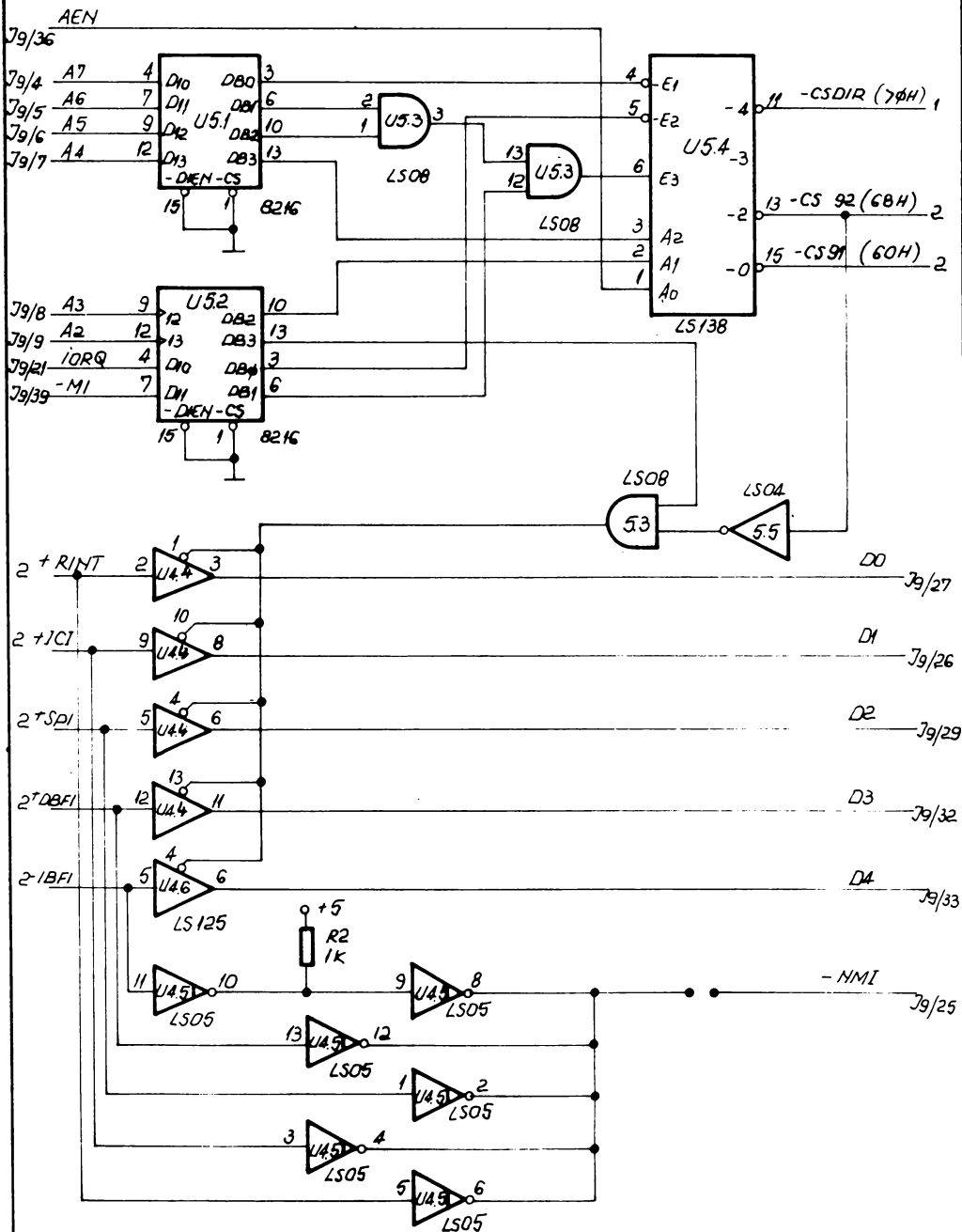
C13+
C3



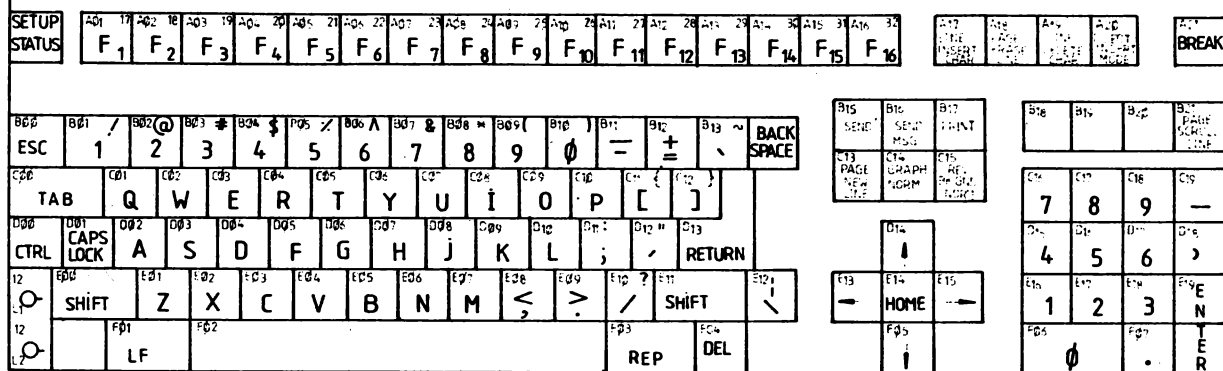
CUB-Z GENERAL PORTS			URC 85.03
	Rev.	GPZ LAYOUT	
			Fila 1 din 1



CUB-Z GENERAL PORTS		URC 85.03
Rev.	PARRALEL PORTS	
		Fila 1 din 3

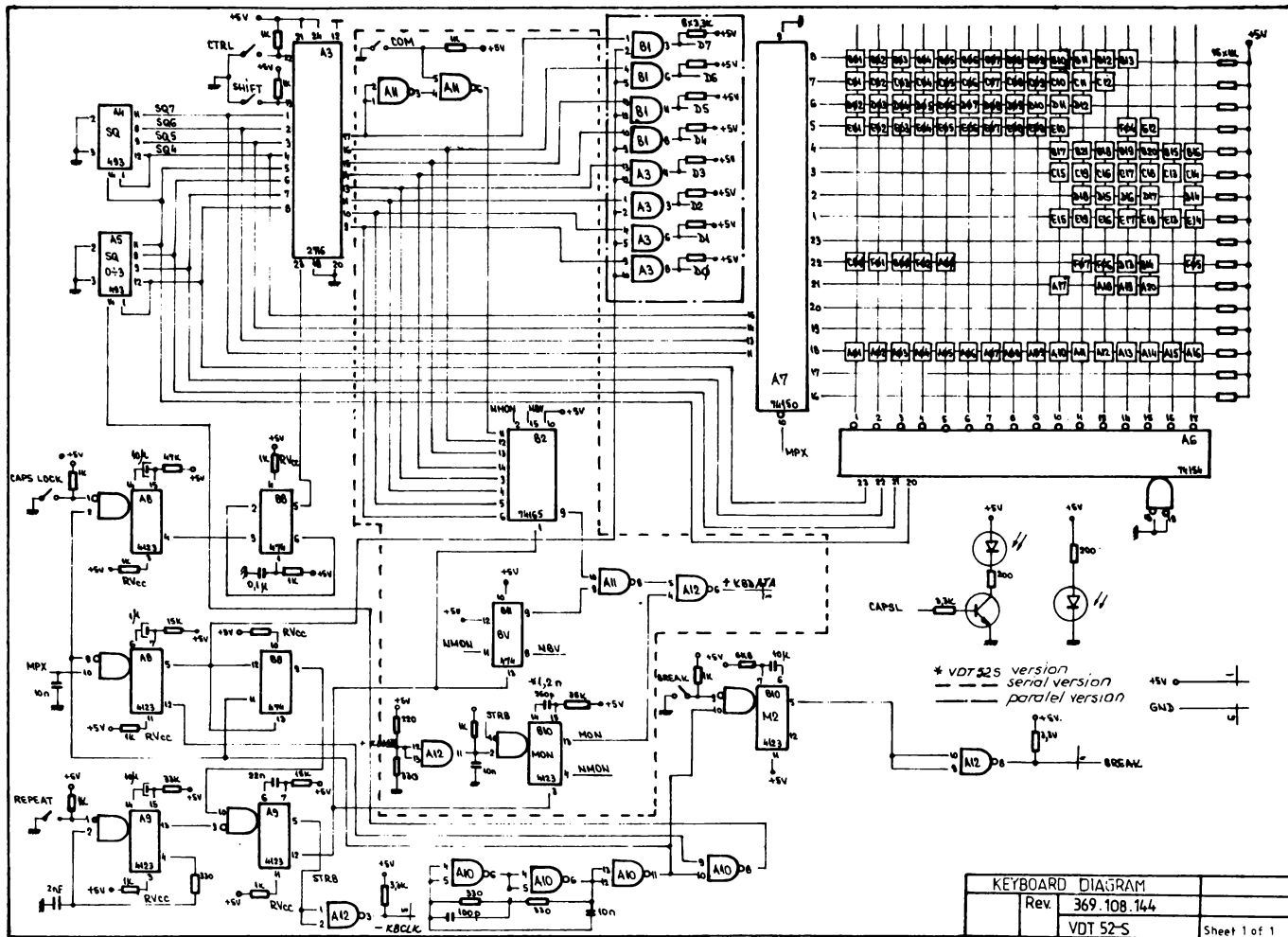


CUB-Z GENERAL PORTS		URC 85.03
Rev.	I/O DECODER	
		Fila 3 din 3.



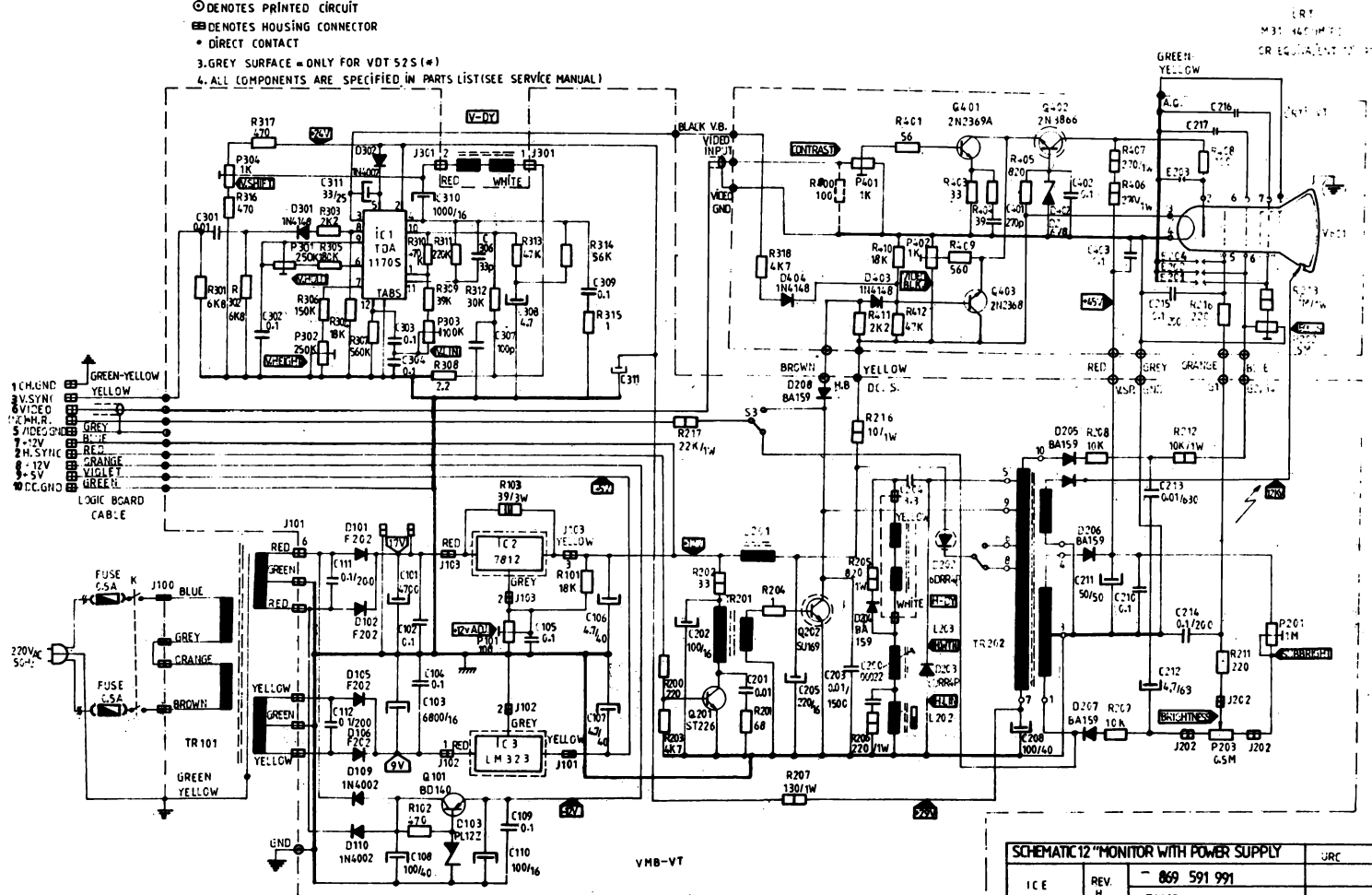
31	Capacitor	120V 100V, 5%	PC 322-5	PC 322-5	1	
30	Diode	1A 100V	PC 322-5	PC 322-5	1	
29	Resistor	470Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
28	Resistor	300Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
27	Resistor	330Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
26	Resistor	150Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
25	Resistor	680Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
24	Resistor	330Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
23	Resistor	100Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	0.73
22	Resistor	330Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
21	Resistor	100Ω, 1/20W, 5%	PC 322-5	PC 322-5	1	
20	Capacitor	100V, 50V, 10%	PC 322-5	PC 322-5	1	5
19	Capacitor	100V, 50V, 10%	PC 322-5	PC 322-5	1	
18	Capacitor	100V, 50V, 10%	PC 322-5	PC 322-5	1	
17	Capacitor	50V, 50V, 20%	PC 322-5	PC 322-5	1	
16	Capacitor	100V, 50V, 10%	PC 322-5	PC 322-5	1	
15	Capacitor	50V, 50V, 20%	PC 322-5	PC 322-5	1	
14	Capacitor	50V, 50V, 20%	PC 322-5	PC 322-5	1	
13	Capacitor	50V, 50V, 20%	PC 322-5	PC 322-5	1	
12	Red LED	5V, 10mA	PC 322-5	PC 322-5	2	
NO.	Type	Characteristics	Vendor code	ICE code	S/P Qty	Obs.

[illegible]



 HEAT SINK

1. ALL RESISTORS ARE IN OHM; 0.5W
2. ALL CAPACITORS ARE IN μF , 100V
⊙ DENOTES PRINTED CIRCUIT
⊞ DENOTES HOUSING CONNECTOR
• DIRECT CONTACT
3. GREY SURFACE = ONLY FOR VDT 52S (#)
4. ALL COMPONENTS ARE SPECIFIED IN PARTS LIST (SEE SERVICE MANUAL)

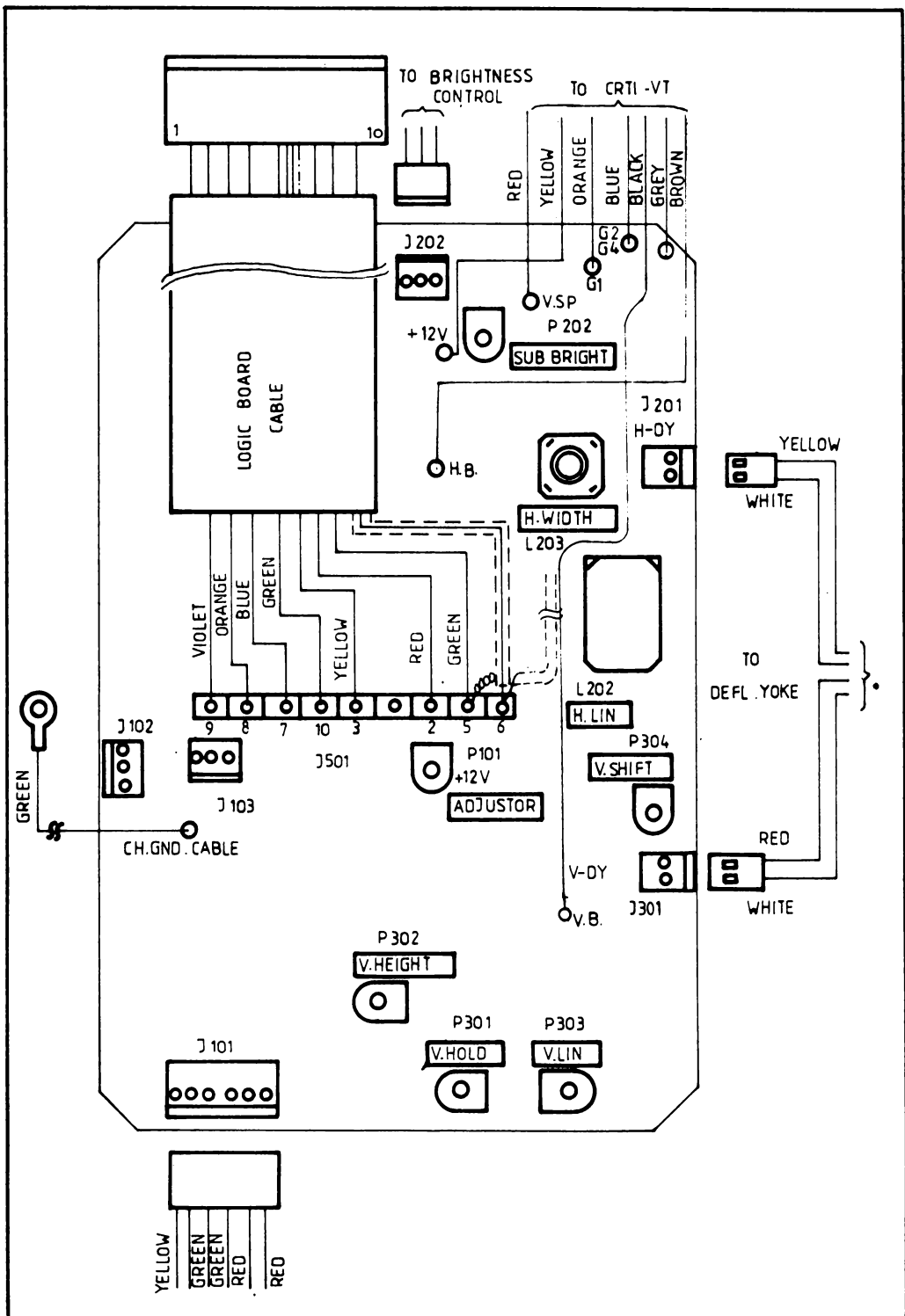


SCHEMATIC 12 "MONITOR WITH POWER SUPPLY

ICE	REV. H	- 869 591 991 DM12-01
-----	-----------	--------------------------

:DC

PAGE 1 OF 5



ADJUSTOR CABLING LOCATIONS AND CONNECTORS		
	Rev.	VMB-VT
	H	
		Sheet 2 of 5

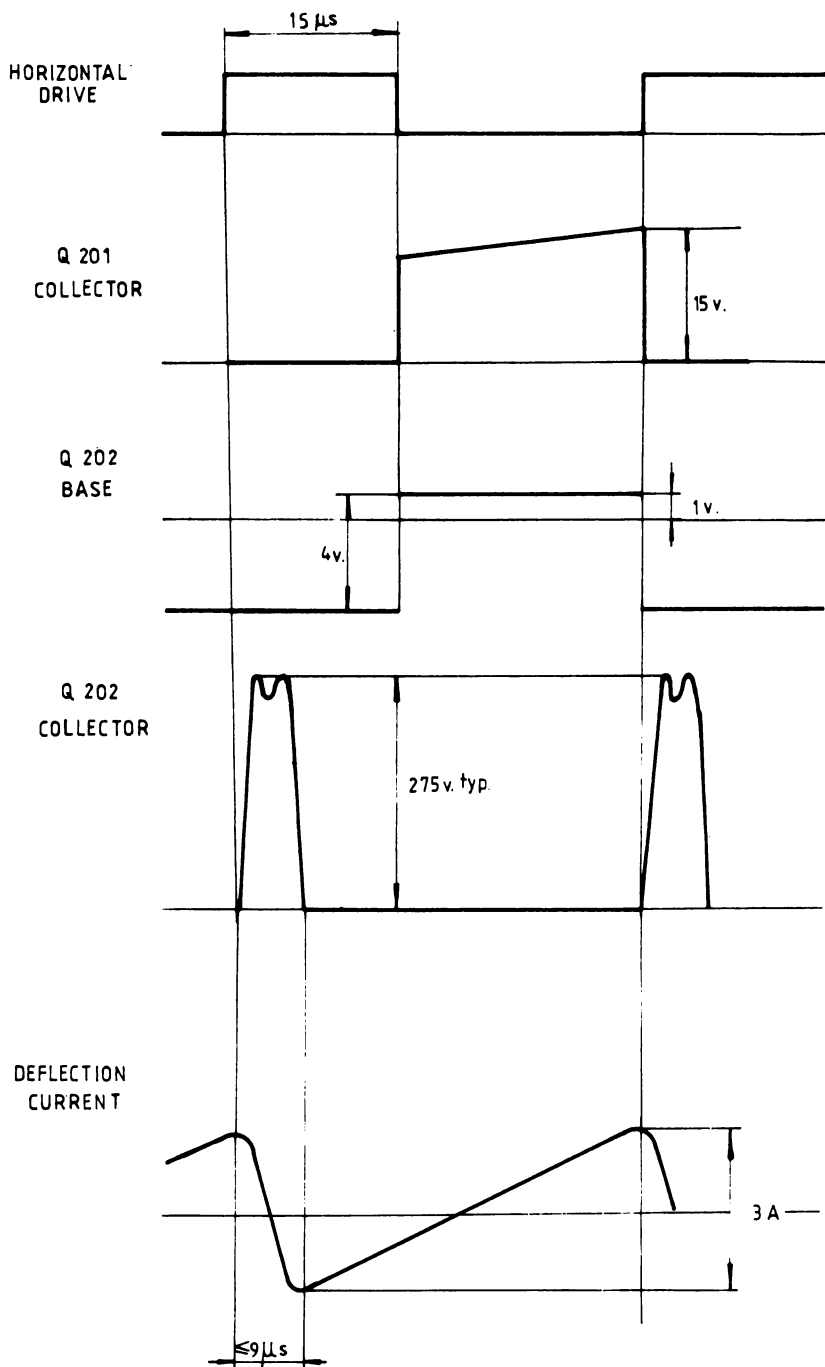
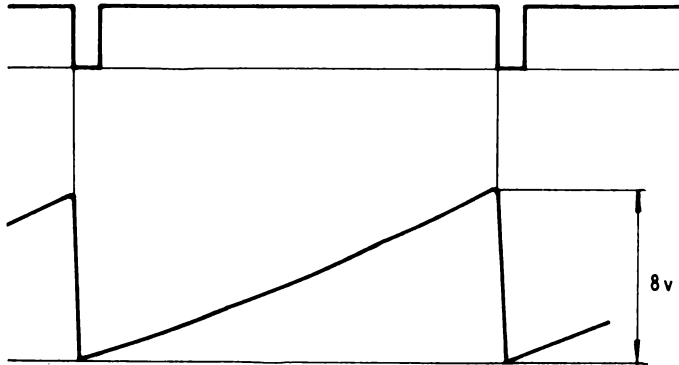


FIG. 10 a .

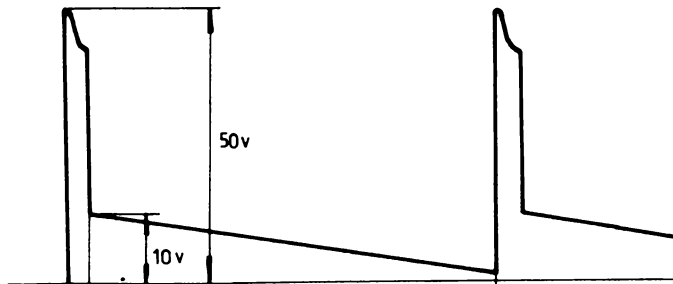
VOLTAGE WAVEFORMS			869 591 99X
Rev. H	VMB -VT		
			Sheet 3 of 6

VERTICAL
SYNC

IC₁
PIN 12



IC₁
PIN 4



IC₁
PIN 3

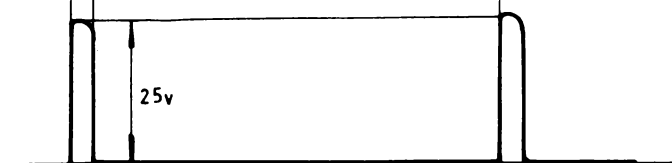


FIG. 10b.

VOLTAGE WAVEFORMS		869 591 100
Rev. A	VM8 - VT	
		Sheet 4 of 6

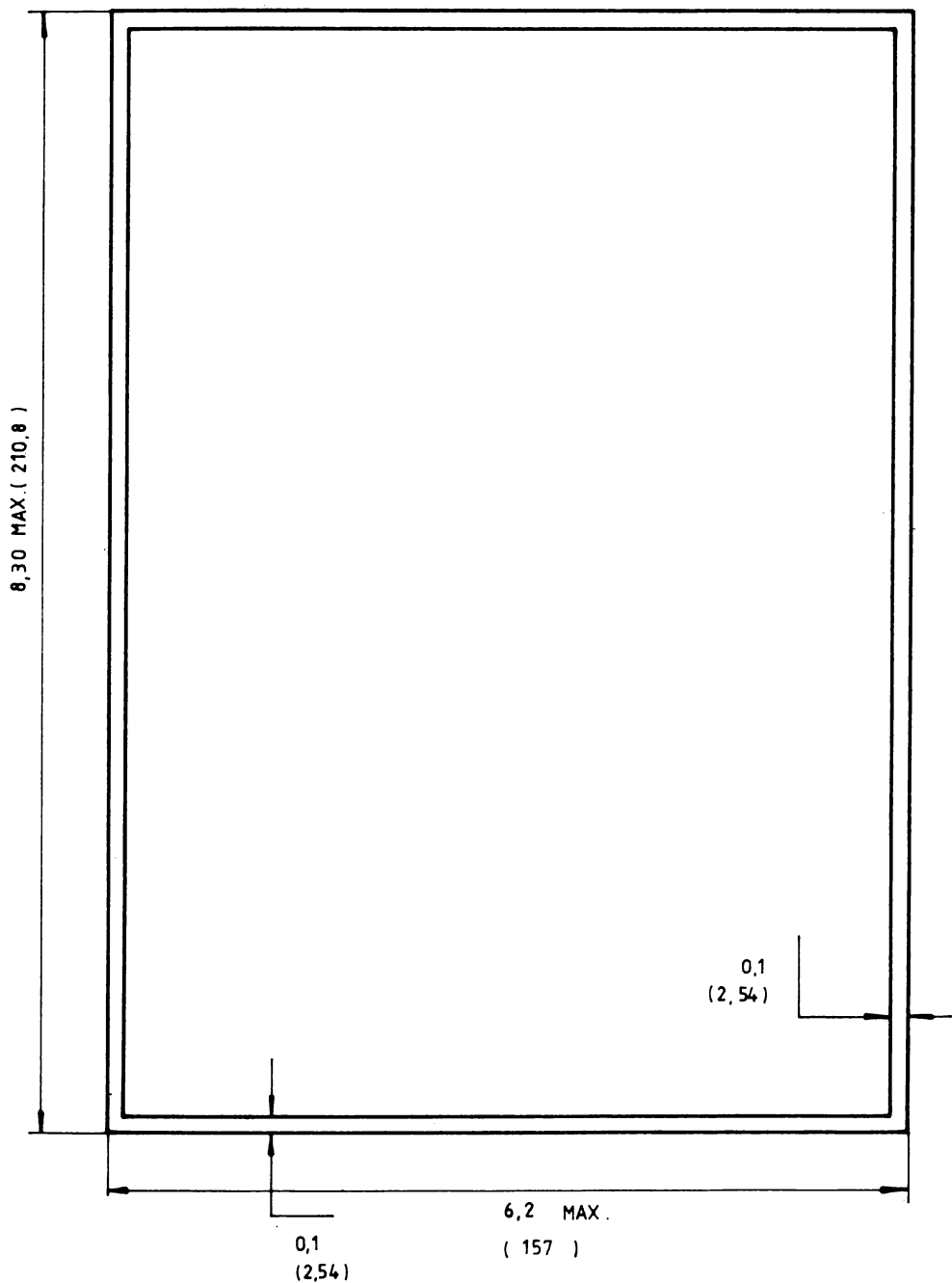
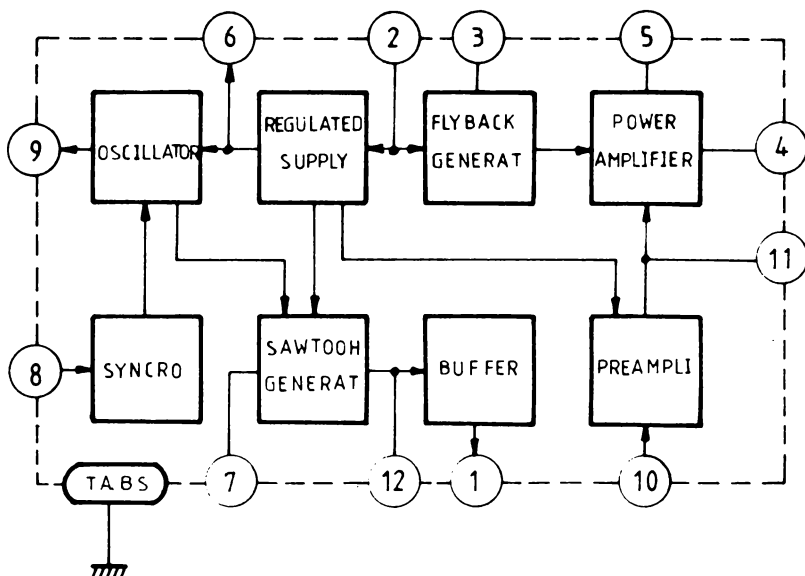


FIG. 12

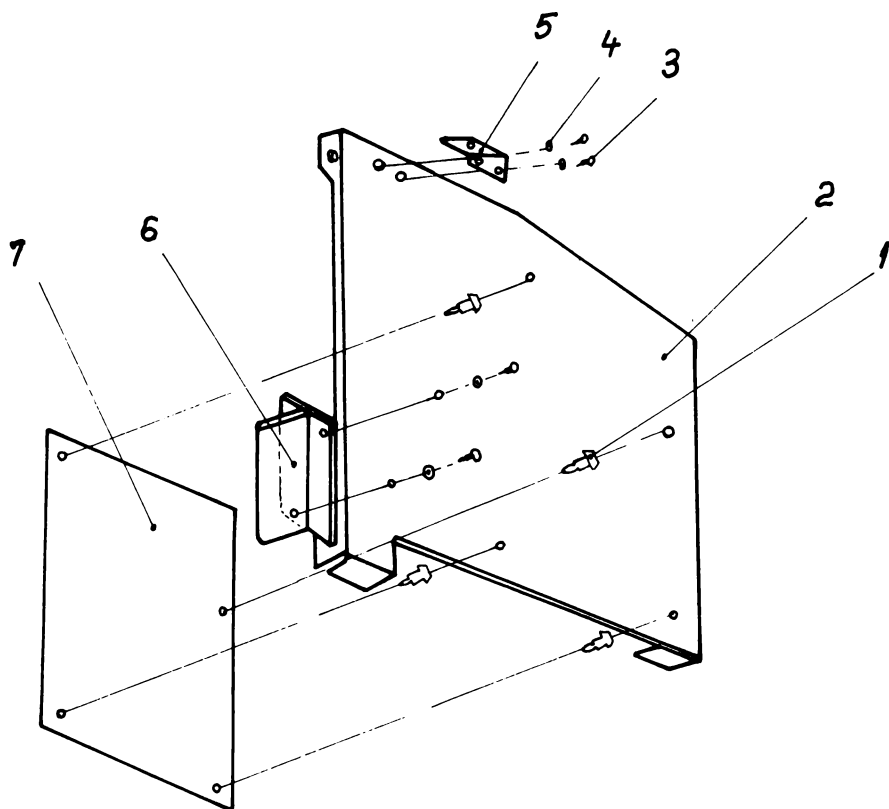
12" MONITOR DISPLAY AREA		869 591 100
	Rev. A	VMB -VT
		Sheet 5. of 6



1. VERTICAL SWEEP SIGNAL
2. VDC
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

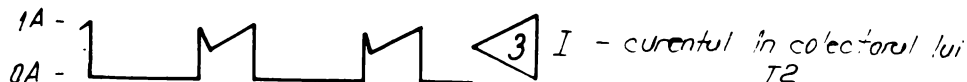
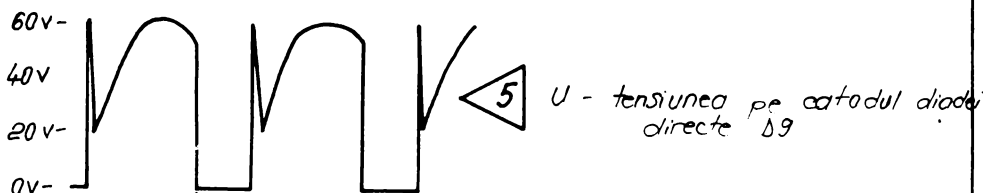
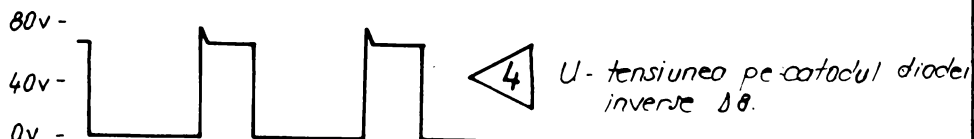
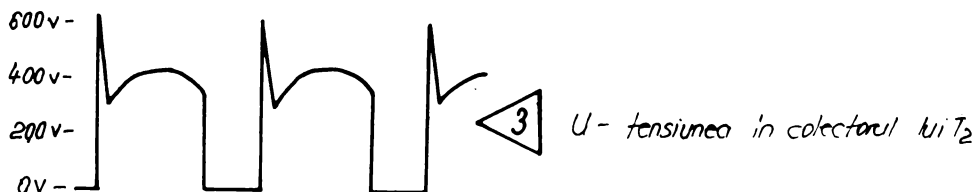
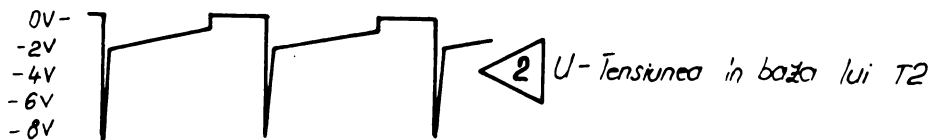
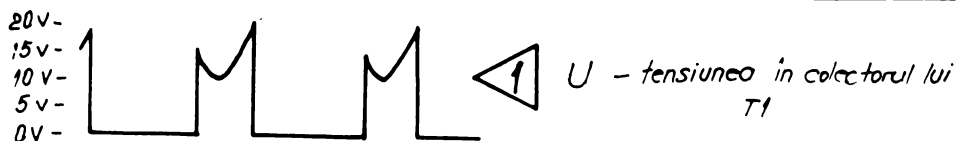
TDA 1170 SH PINS ASSIGNATION

	Rev.	VBM-VT	
		VDT 52-S	Sheet 6 of 6

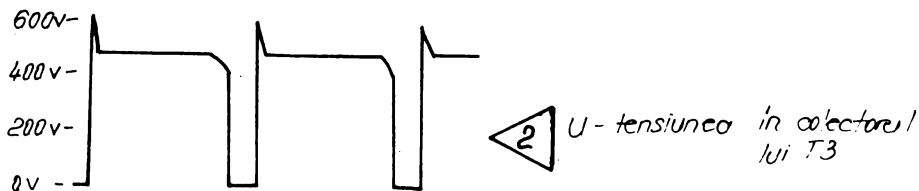


- | | | |
|---|------------------------------------|---------------|
| 1 | RENZEM CU BLOCARE | 869.991.020 |
| 2 | SUBANSAMBLU PERETE LATERAL DREAPTA | 869.591.271-A |
| 3 | SURUB M 4x10 | 906.054.410 |
| 4 | SAISA PLATA Ø4 | 906.080.400 |
| 5 | ECHEL TÂNDERE | 869.591.527 |
| 6 | RADIATOR IC2 | 869.591.117 |
| 7 | PLACHETA UMB UD-C | 869.591.500-C |

Perete lateral dreapta.			
ICE			
APME		CUB-2	

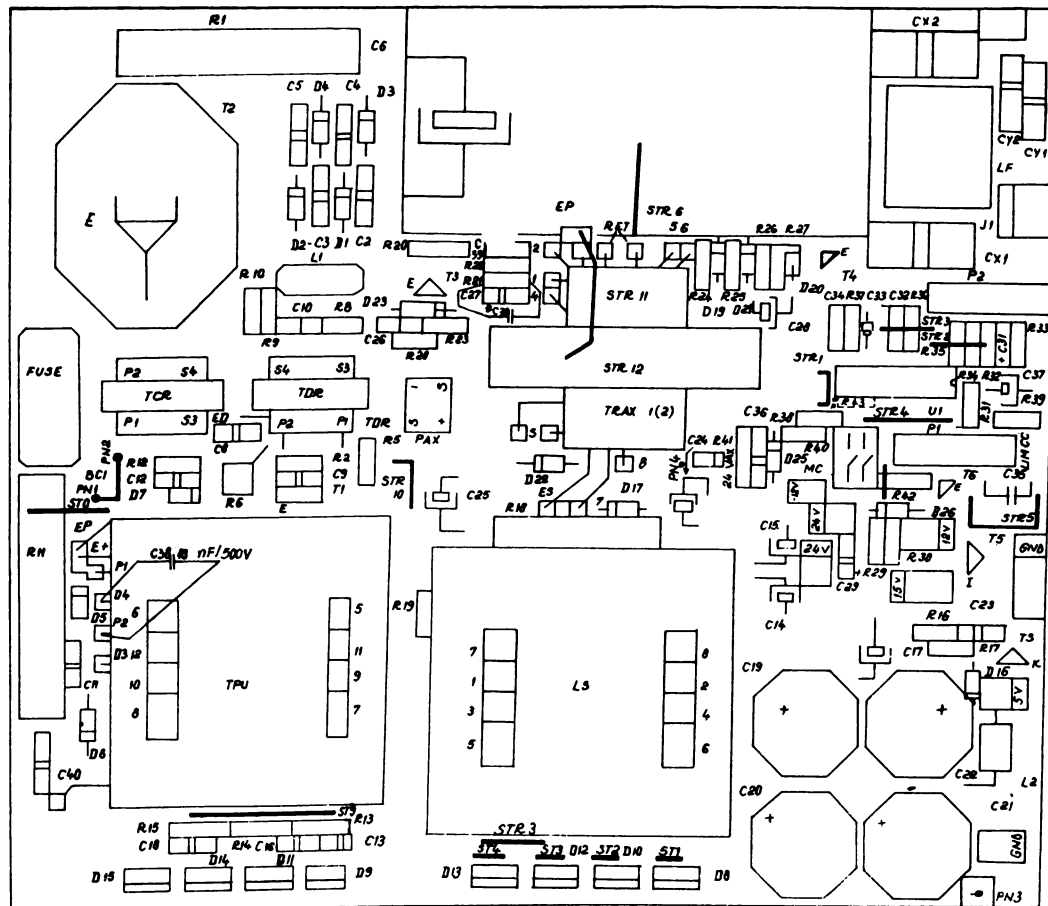


a) Diagrama de semnal pentru sursa de putere



b) Diagrame de semnal pentru sursa auxiliară.

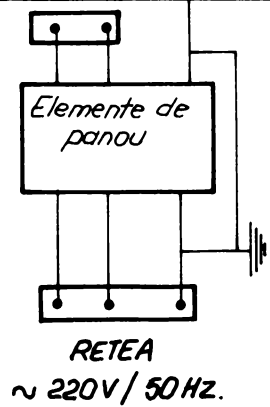
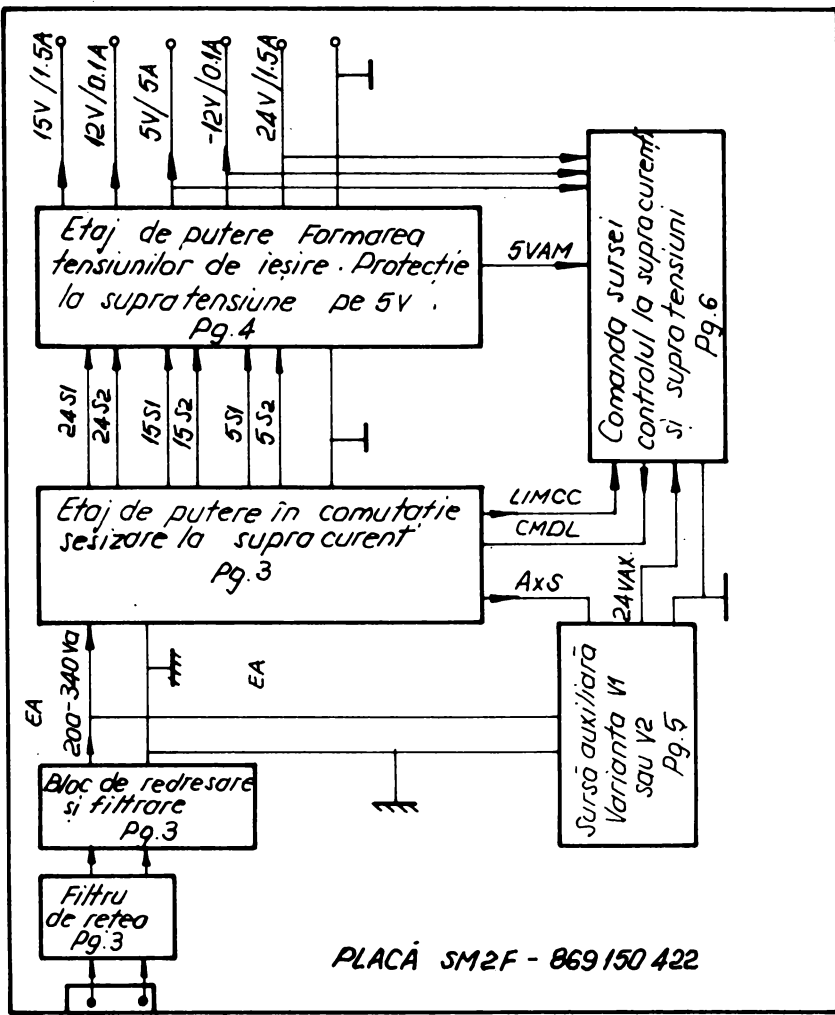
CUB-2 SURSA			
I.C.E	A.P	Diagrame de semnal	
	M.E	869 150 400	



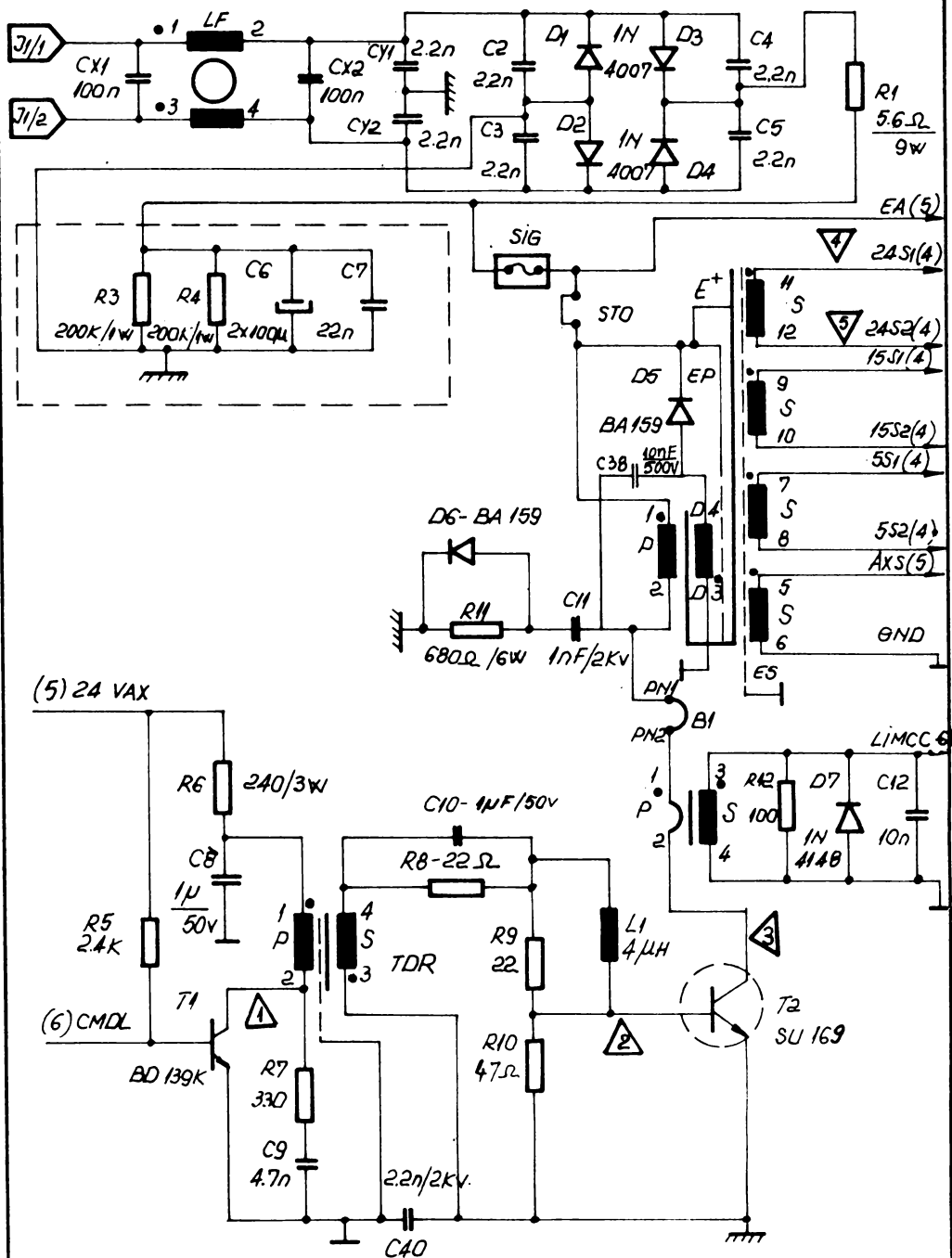
NOTĂ: Străpuntele se montează primele cu excepția BCI # C30 se montează pentru T3 - 8x6 în capsula
- BCI - e fir izolată TLTY 7X0,2 negru de 0,06 m, ce se mare - 2022
- montează numai după testarea sursei auxiliare și a # 83 se montează pe spatele plăcii după
circuitului de comandă și control pe pinii PN1 - PN2 intreruptorul traseului ce pleacă din pinul 13
a circuitului unui cele două simptome

* 43 se montează pe spatele plăcii după
întreruperea traseului se pleacă din primul
al circuitului. Ușor, unul câte unul segmente

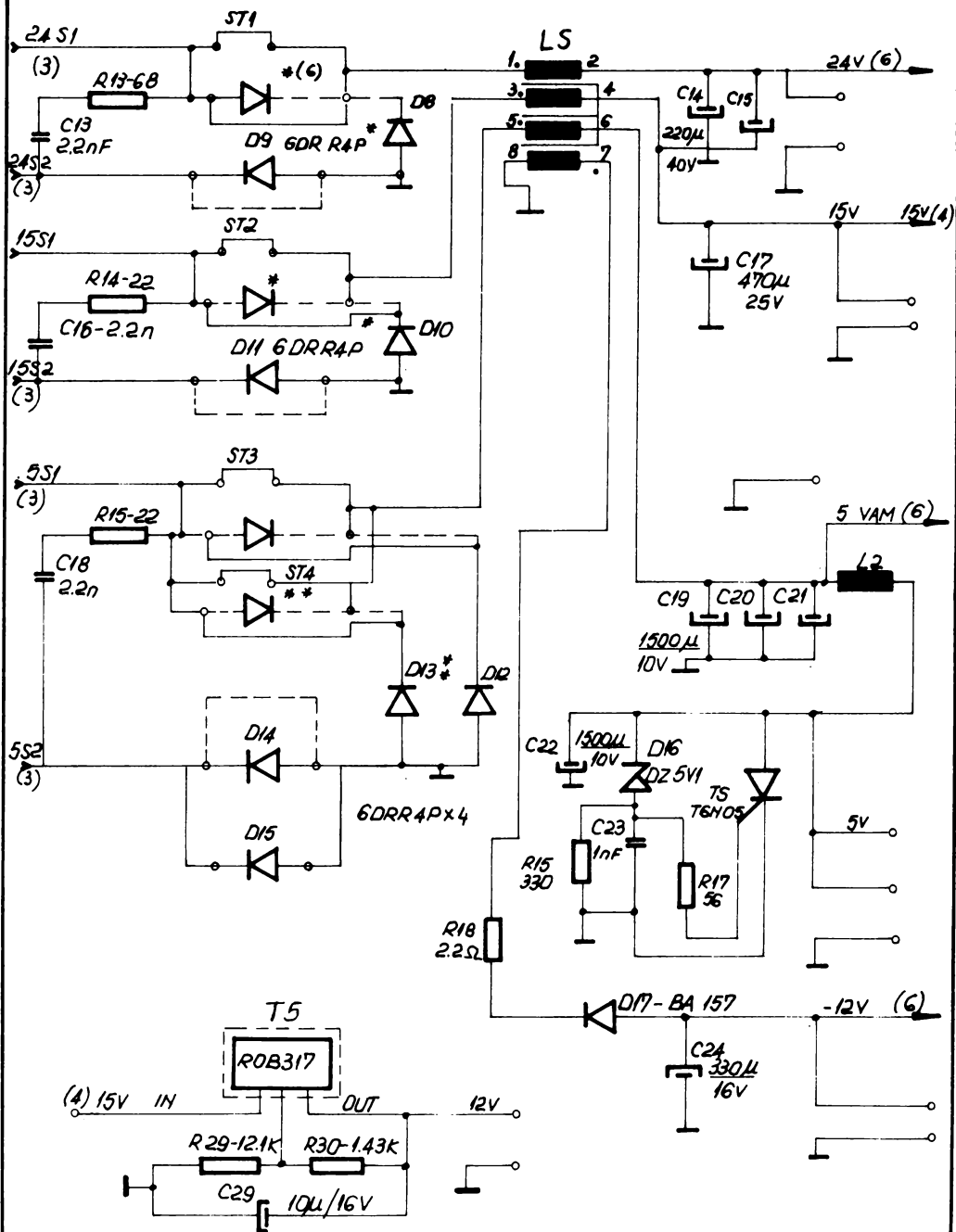
CUB 2 Sursă de alimentare			
I.C.E.	A.P.	Plan implantare	străpuri
	M.E.	869 150.425	



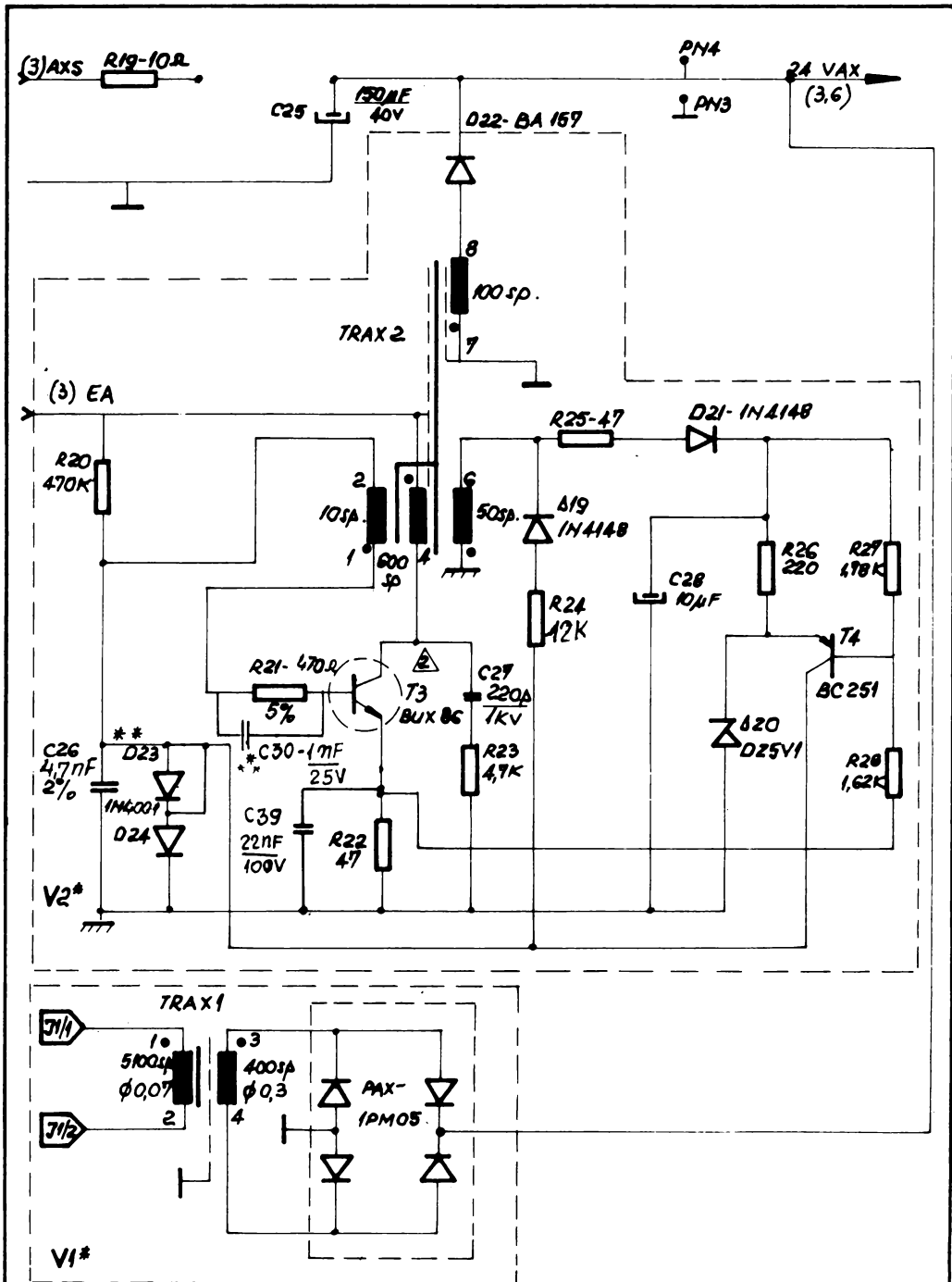
SWITCH MULTIPLE POWER SUPPLY SM2		URC 8504
Rev.	Block diagram	
		Fila 1 din 6



SWITCH MULTIPLE POWER SUPPLY SM2		URC 8504
	Rev.	Power stage diagram
		Fila 3 din 6



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

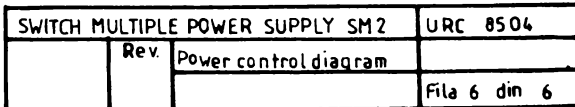


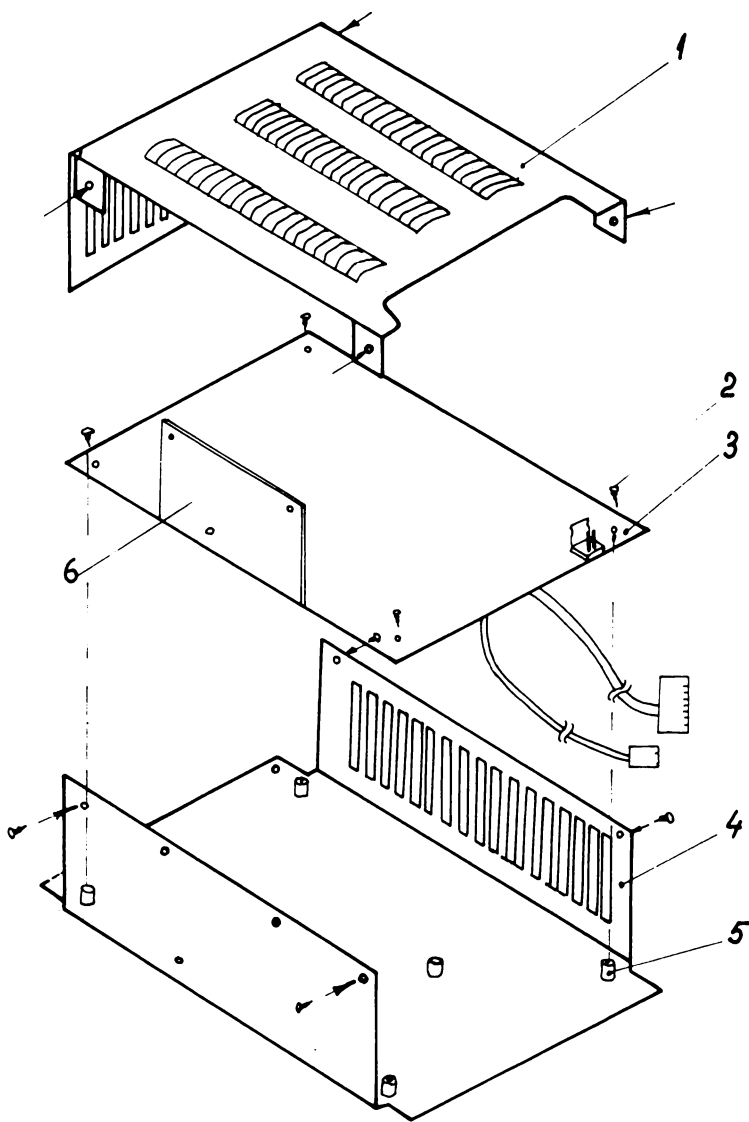
* Se echipează $V1$ sau $V2$

* $D23$ se suntează.

* $C30$ se implantează pentru $T3$ în capsulă - $T\phi 220$.

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

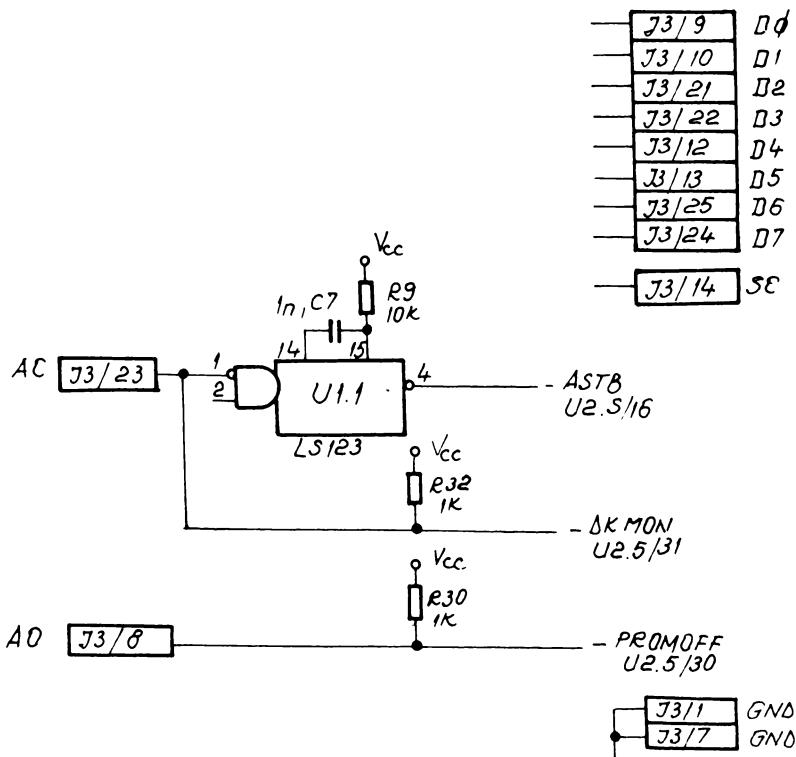




- | | | |
|---|------------------------|-------------|
| 1 | CAPAC CUTIE | 069 150 473 |
| 2 | surub M 3x6 | 906 054 306 |
| 3 | PLACHETĂ SM 2F | 069 150 422 |
| 4 | CUTIE SURSĂ | 069 150 471 |
| 5 | PLACUȚĂ DE SERTIZAT MS | 069 150 472 |
| 6 | RADIATOR SURSĂ | 069 150 464 |

Asamblare sursa			
ICE			
APME		CUB-Z	

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



Se faie

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

se plantează:

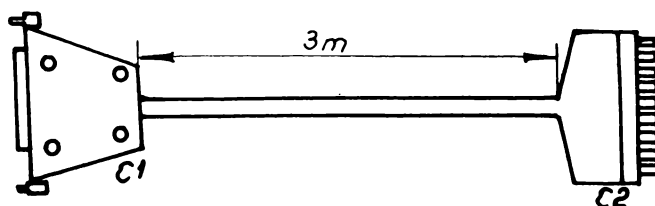
- $R_9 = 10k\Omega$, RPM 3050, 5%
- $C_7 = 1nF$, MF 3223, 10%, 50V

Se pun strapurile:

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

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

CABLU CUB-2 , imprimantă CONSUL



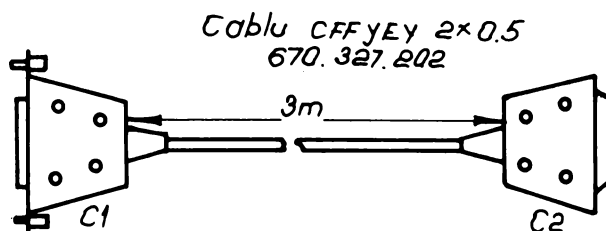
CONECTOR RACK 25p totă
903.539.202
Urechi nefiletate

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	D 1
21	C	D 2
22	D	D 3
12	E	D 4
13	F	D 5
25	G	D 6
24	H	D 7
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	