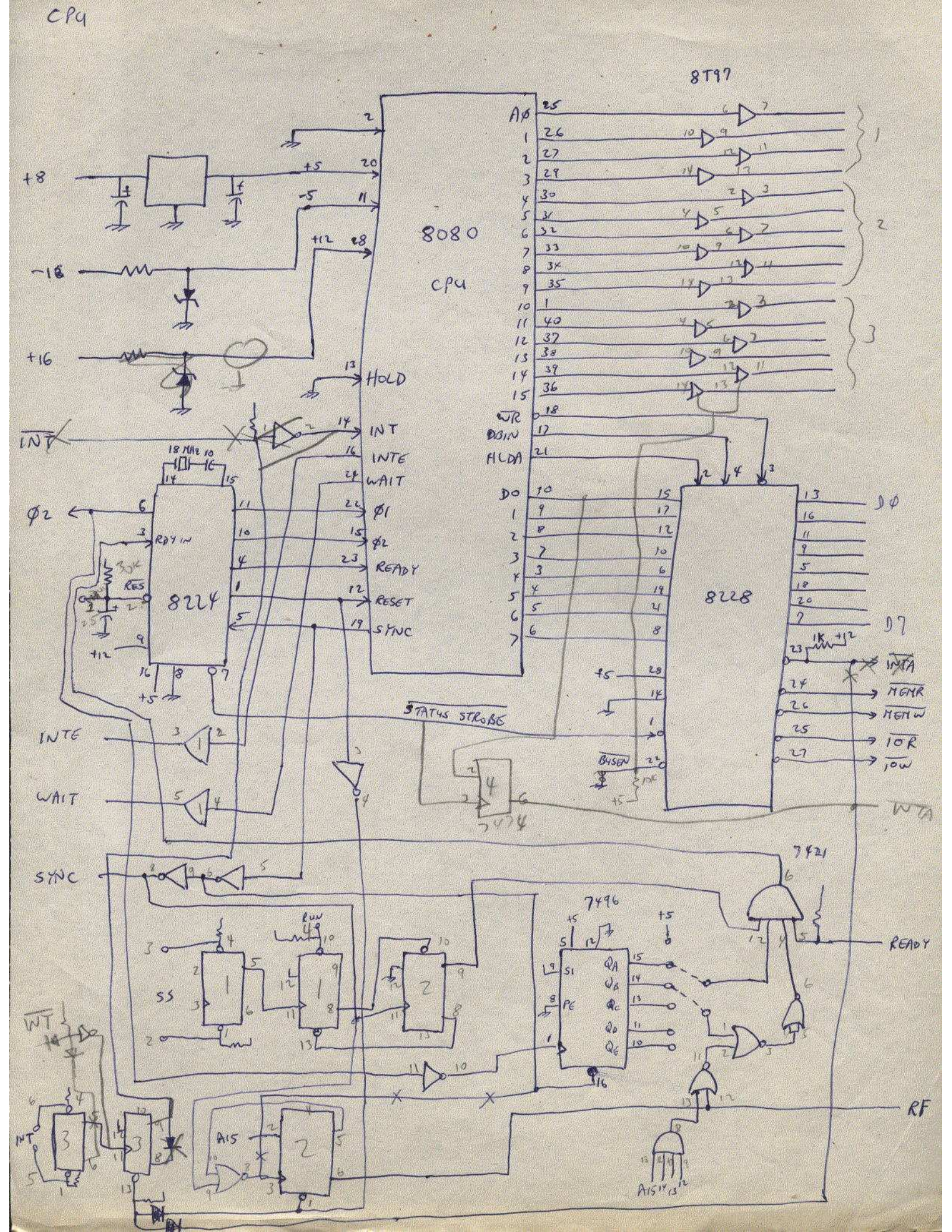
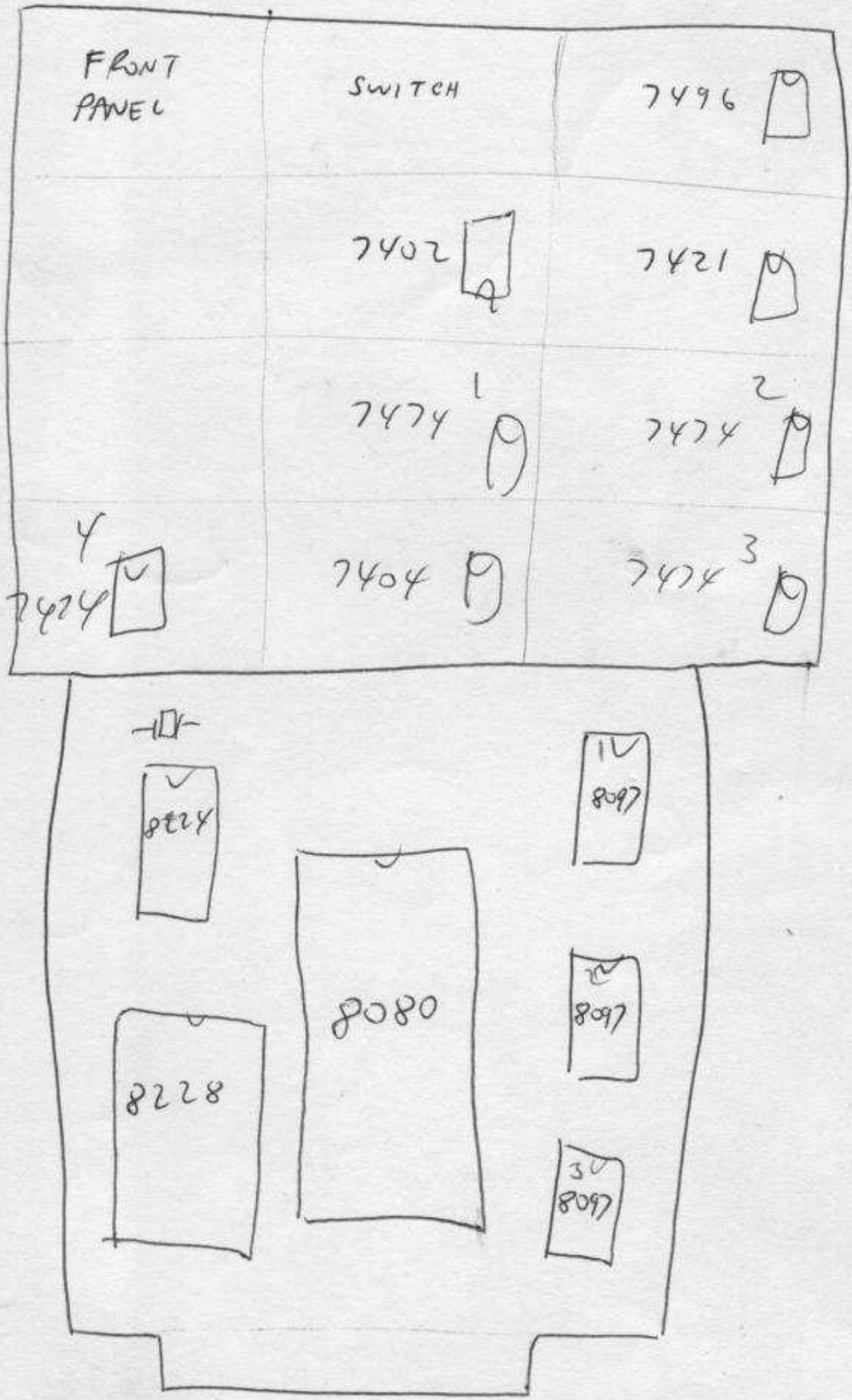
MAXI micro documentation MAXImicro.pdf

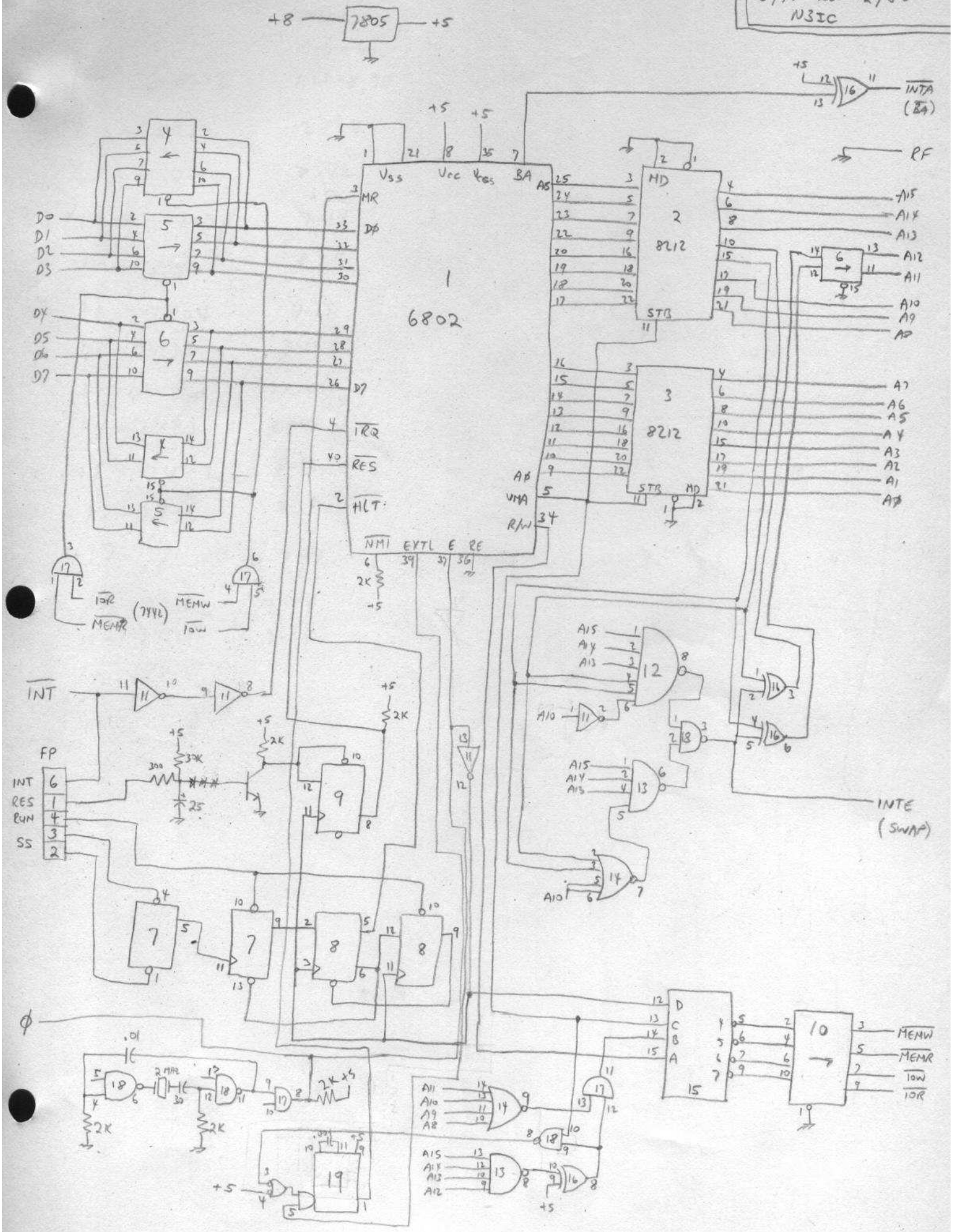
Page:

CPU

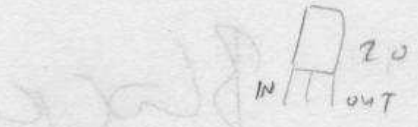

8T97
8080
CPU
8224
8228
+8
+5
-5
+12
-18
+16
HOLD
INT
INTE
WAIT
Φ1
Φ2
READY
RESET
SYNC
RDY IN
RES
18 MHz
STATUS STROBE
INTA
MEMR
MEMW
IOR
IOW
DBIN
WR
HLDA
BUSEN
D0
D7
1K
7496
7421
RUN
SS
WTA
READY
RF
INT
INTE
WAIT
SYNC
A15

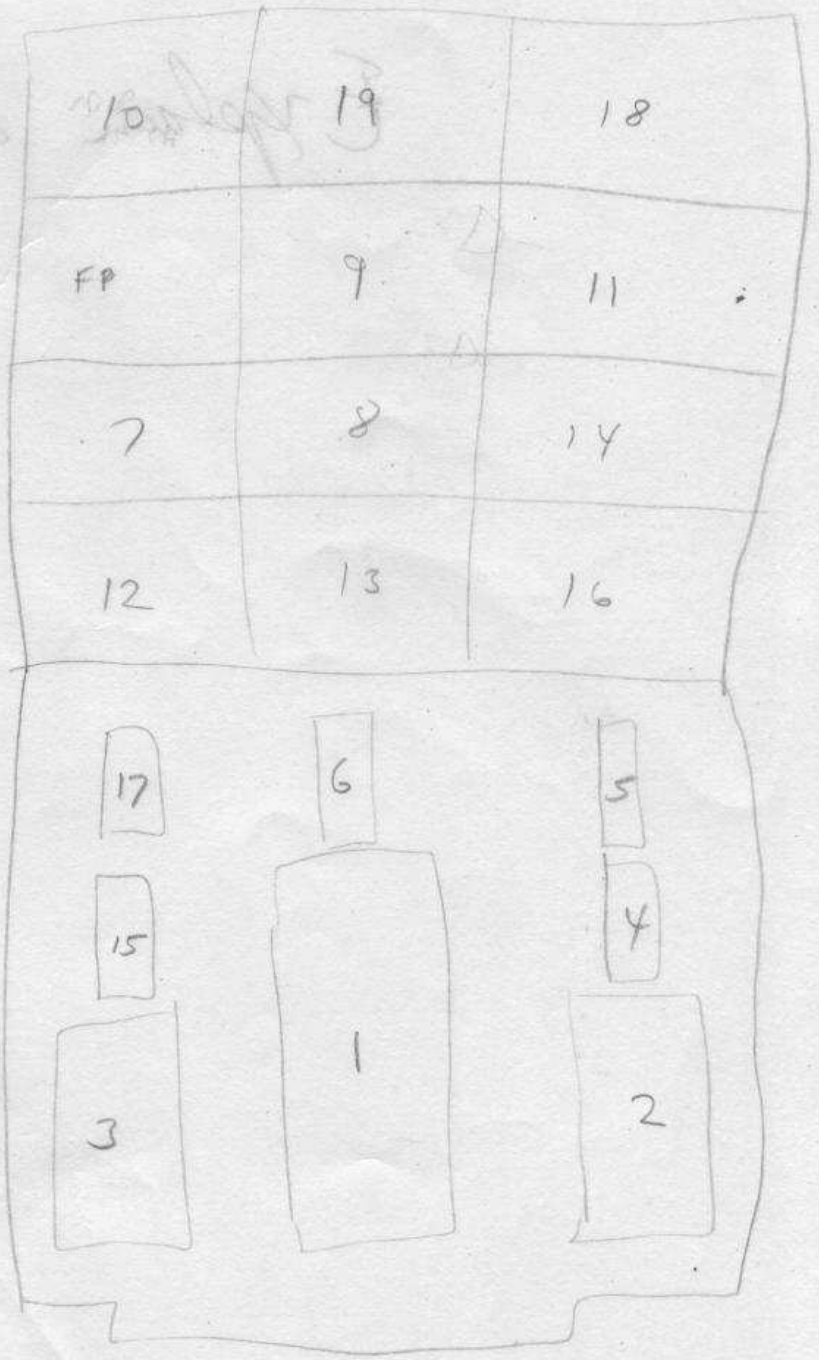

FRONT PANEL
SWITCH
7496
7402
7421
7474 1
7474 2
7474 4
7404
7474 3
8224
8097 1
8080
8097 2
8228
8097 3

6802 CPU BOARD -
3/78 REV 12/80
N3IC



	GND - V_{cc}
1 - 6802	1,21 - 8,35
2,3 - 8212	12 - 24
4,5,6 - 8097	8 - 16
7,8,9 - 7474	7 - 14
10 - 8097	8 - 16
11 - 7404	7 - 14
12 - 7430	7 - 14
13 - 7420	7 - 14
14 - 7423	8 - 16
15 - 7442	8 - 16
16 - 7486	7 - 14
17 - 7408	7 - 14
18 - 7400	7 - 14
19 - 74121	7 - 14
20 - 7805	





PINS:

16 address
8 data
6 control
  Ready
  sync
  inte
  wait
  $\overline{int}$
  RF (ram float)
2 +8
2 +8 Mem
2 Gnd
  +16
  -16

44

Boards:

7 ram (8K)
1 ram (4K)
1 Prom (4K)

CPU
USART
LIGHTS
I/O

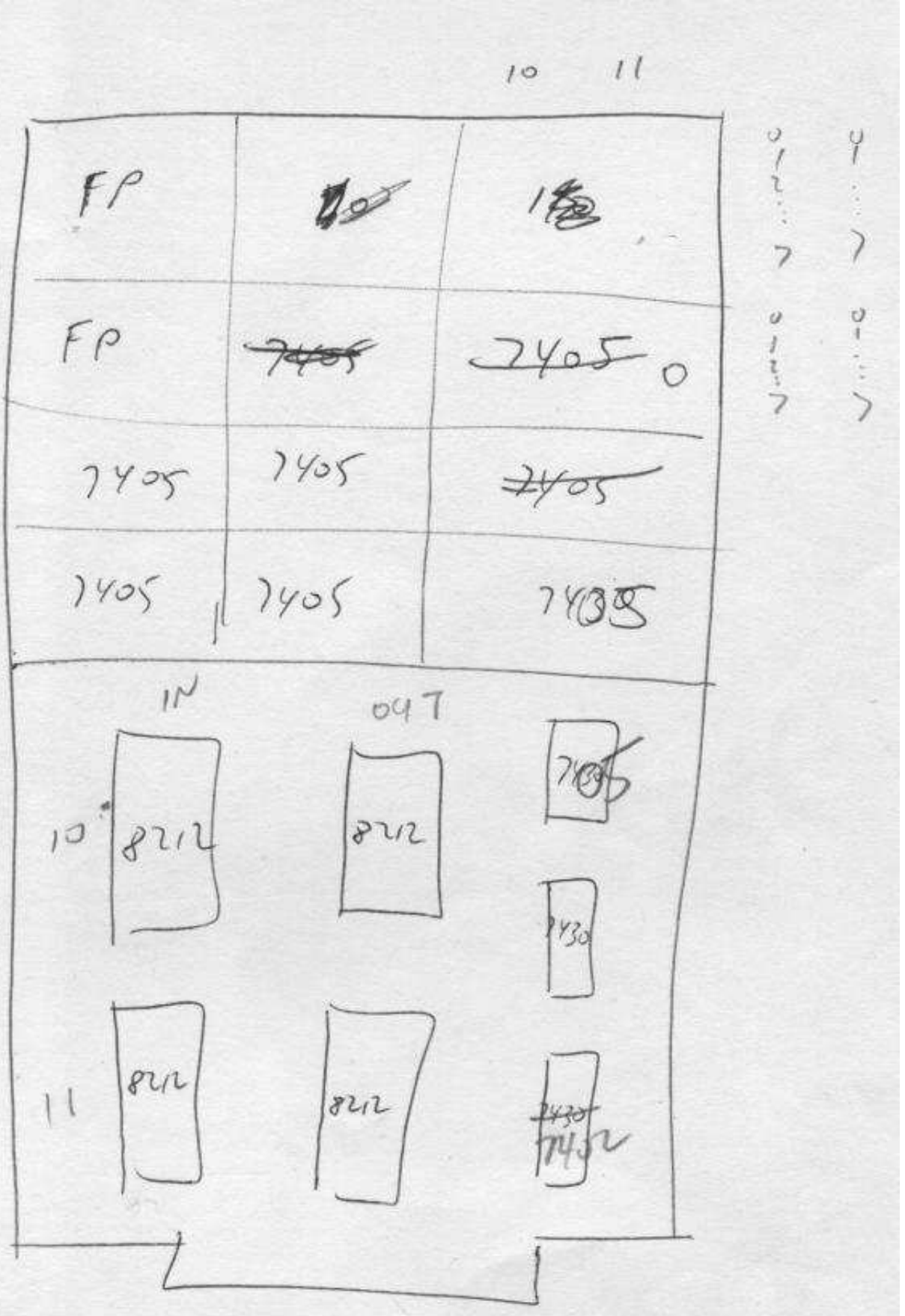
UP

BOTTOM

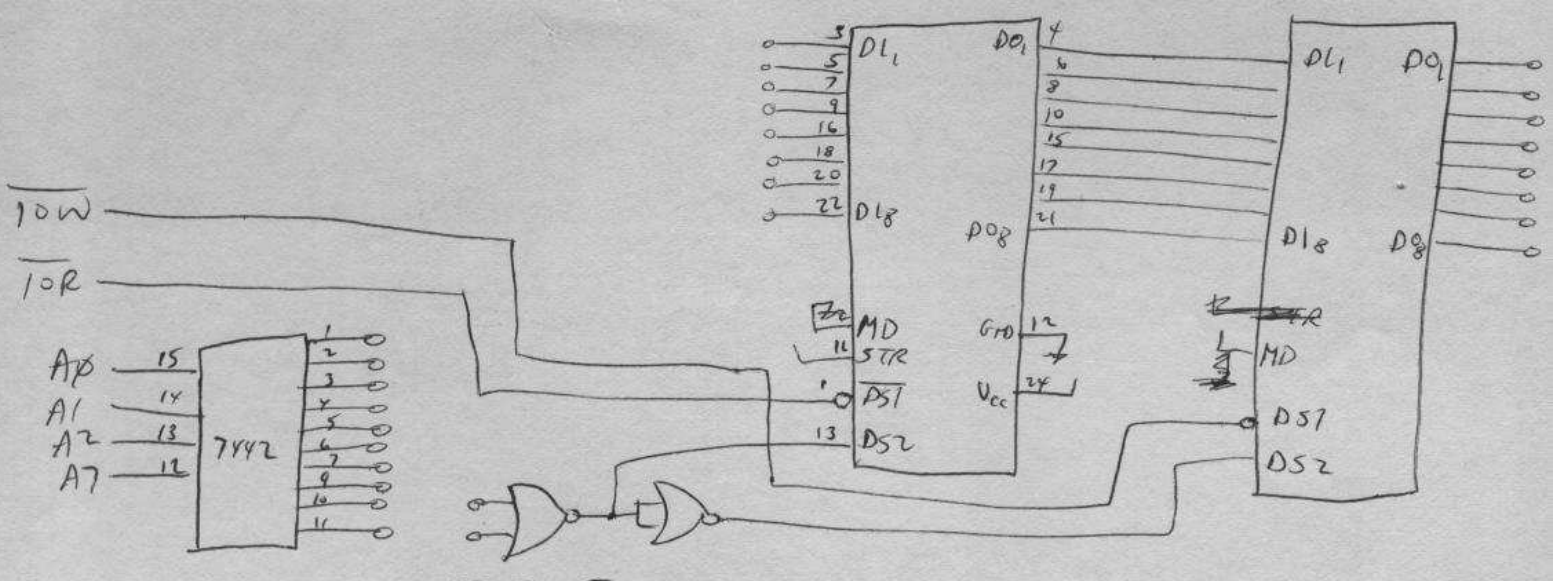
TOP

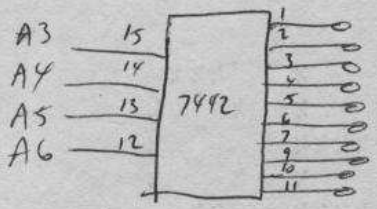
+8	——	+8
+8M	——	+8M
~~IOR~~	——	~~MEMR~~
~~IOW~~	——	~~MEMW~~
Ø2	——	RF
~~INTA~~	——	A15
INTE	——	A14
~~INT~~	——	A13
RDY	——	A12
SYNC	——	A11
WAIT	——	A10
D7	——	A9
D6	——	A8
D5	——	A7
D4	——	A6
D3	——	A5
D2	——	A4
D1	——	A3
DØ	——	A2
+16	——	A1
-16	——	AØ
GND	——	GND

DOWN


10
11
FP
FP
7405
7405
7405
7405
7405
7405
IN
OUT
10
11
8212
8212
8212
8212
7430
7452
0 1 2 3 4 5 6 7
0 1 2 3 4 5 6 7

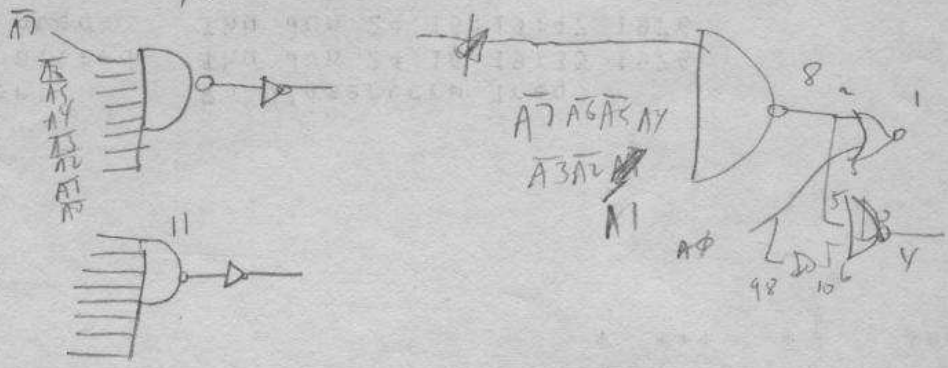
FRONT PANEL





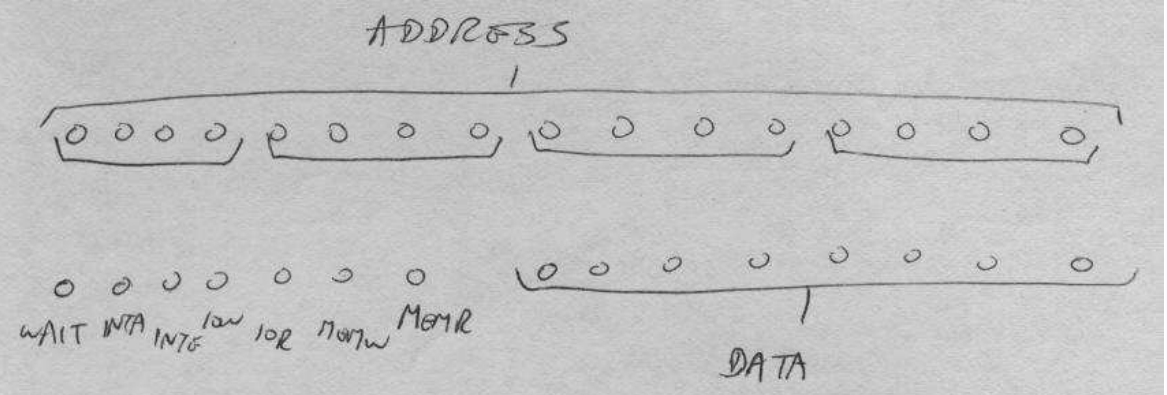
1- 6, 11, 12

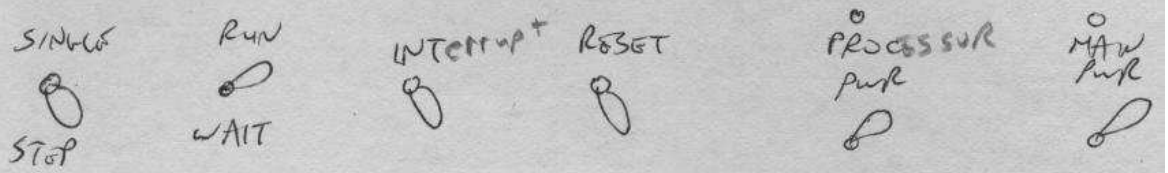
10.

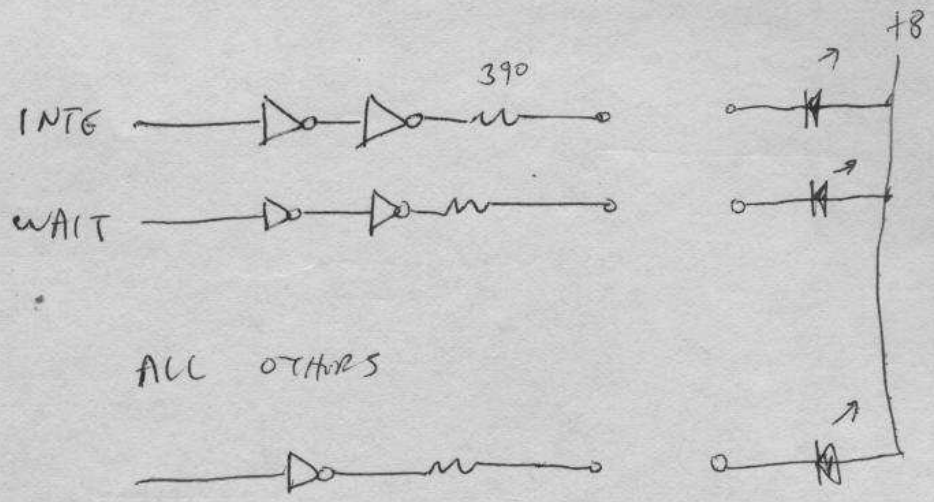


$\overline{A7}\,\overline{A6}\,\overline{A5}\,A4\,A3$

1/0



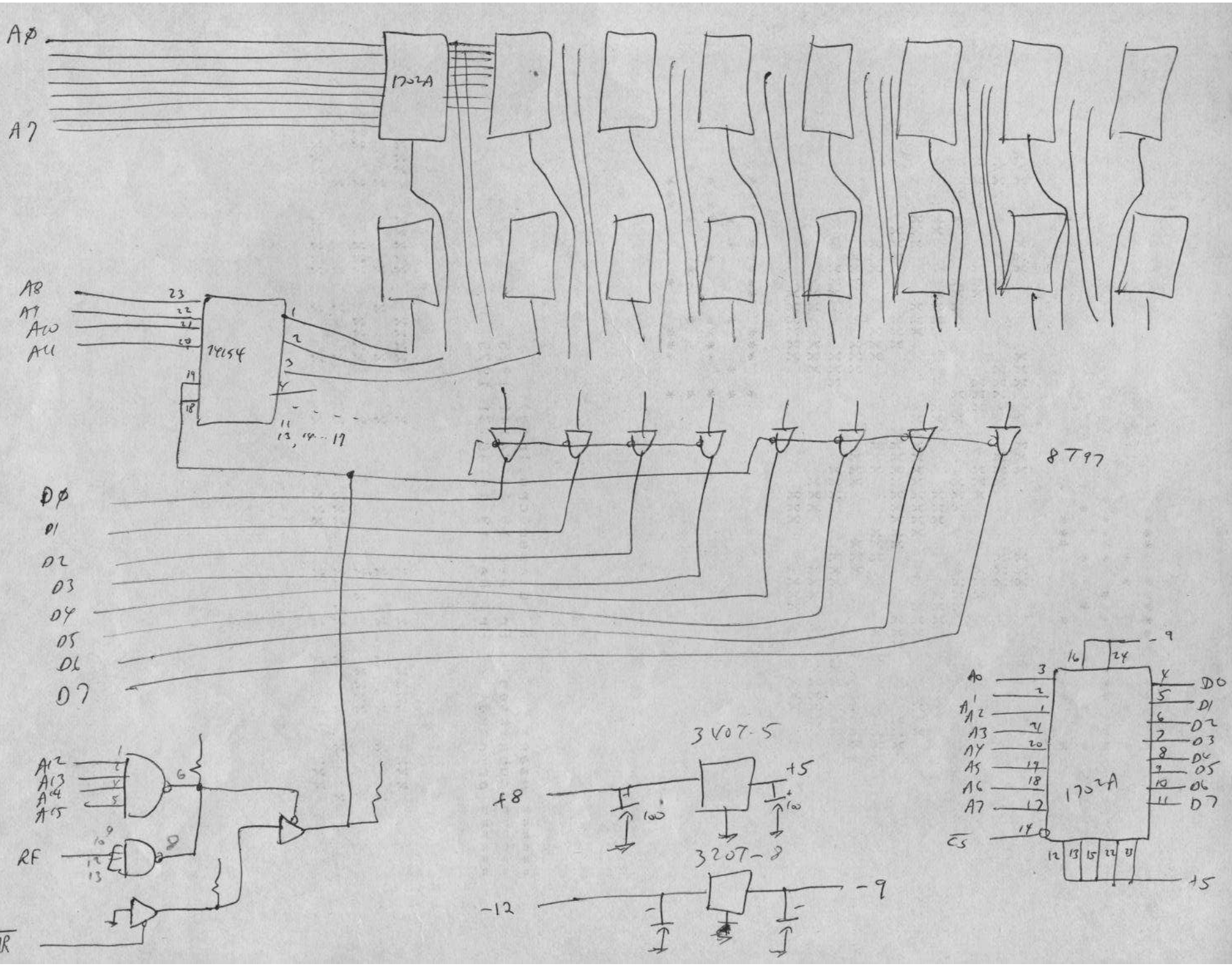


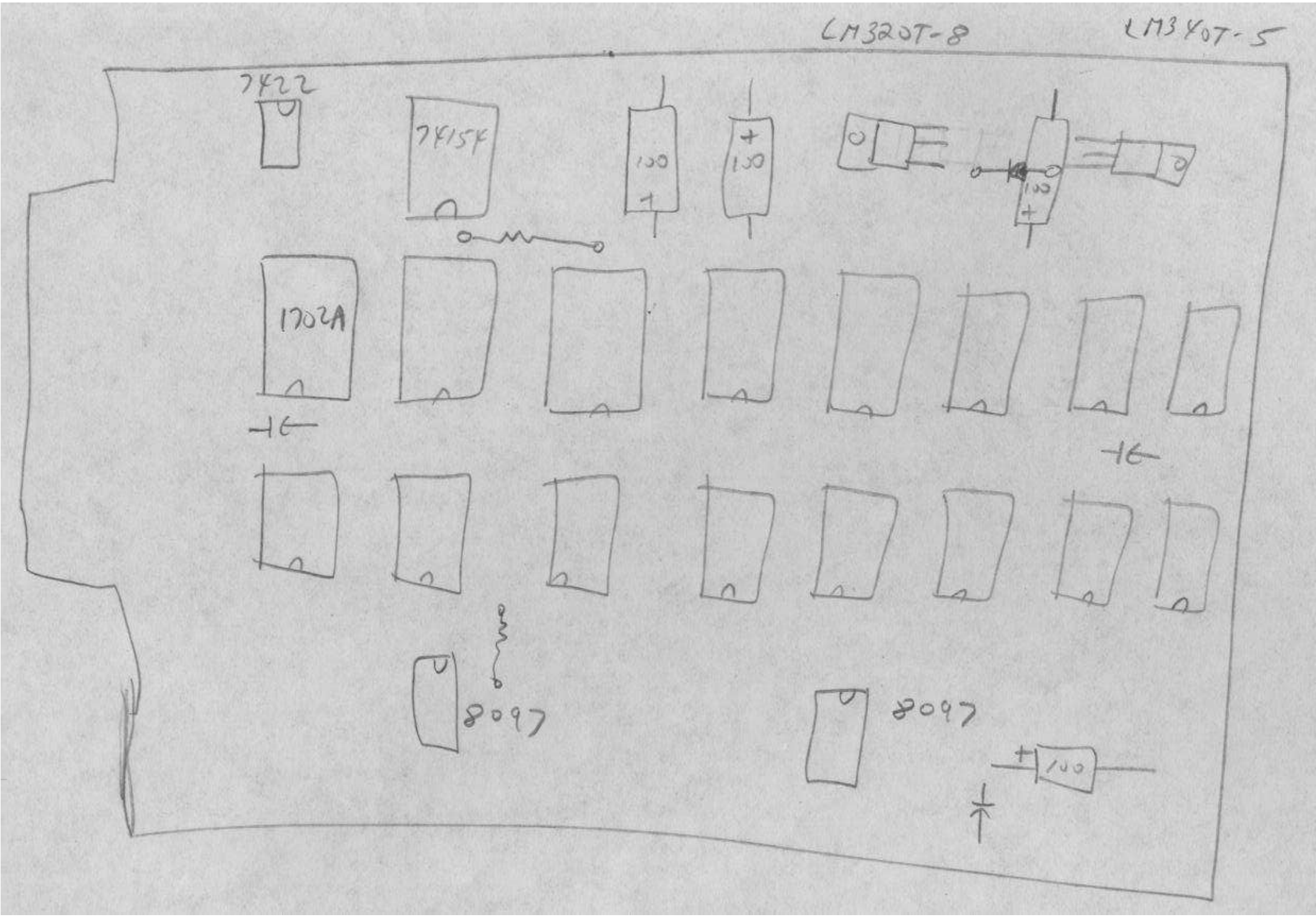


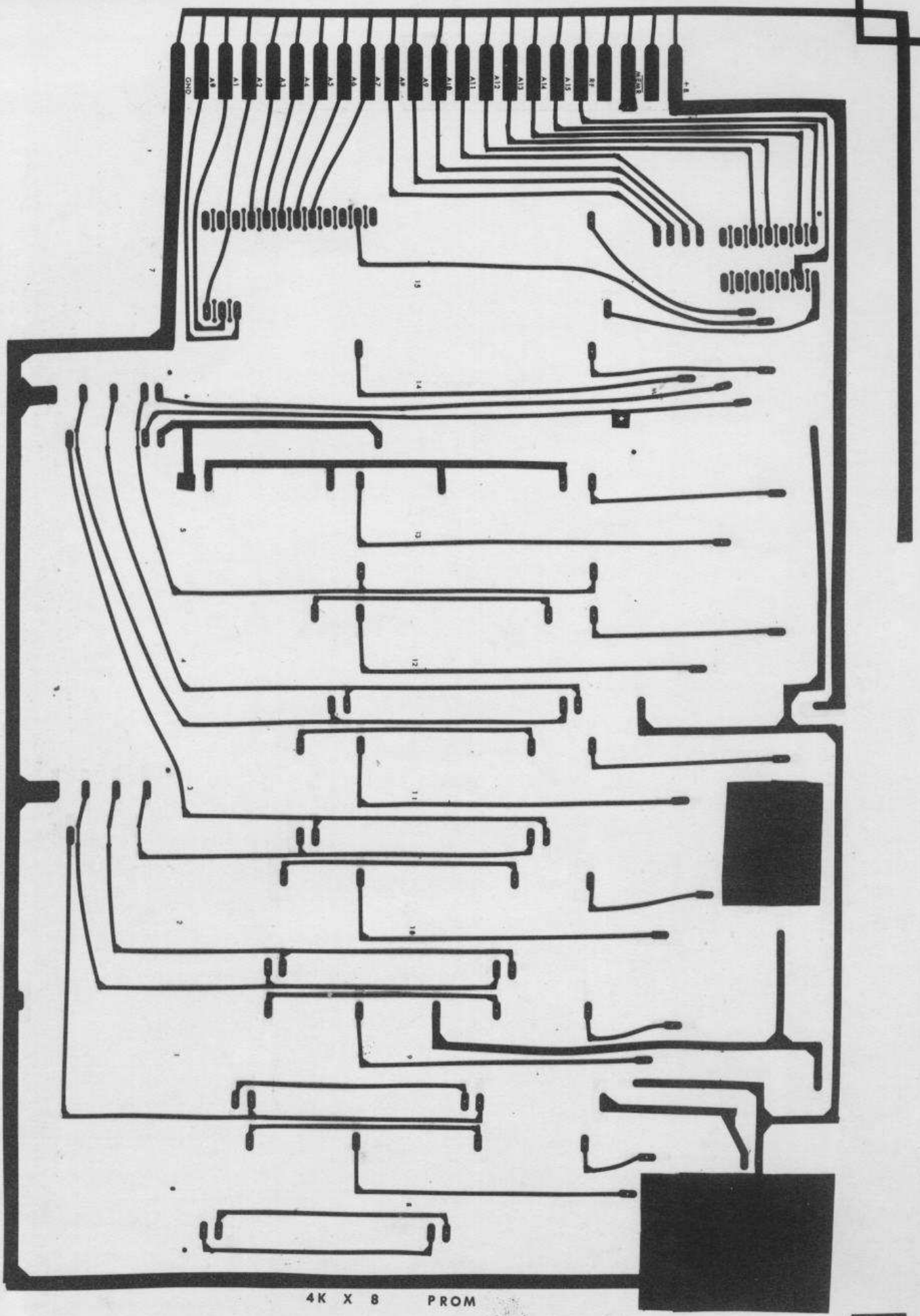
7405-6

FRONT PANEL / LIGHTS

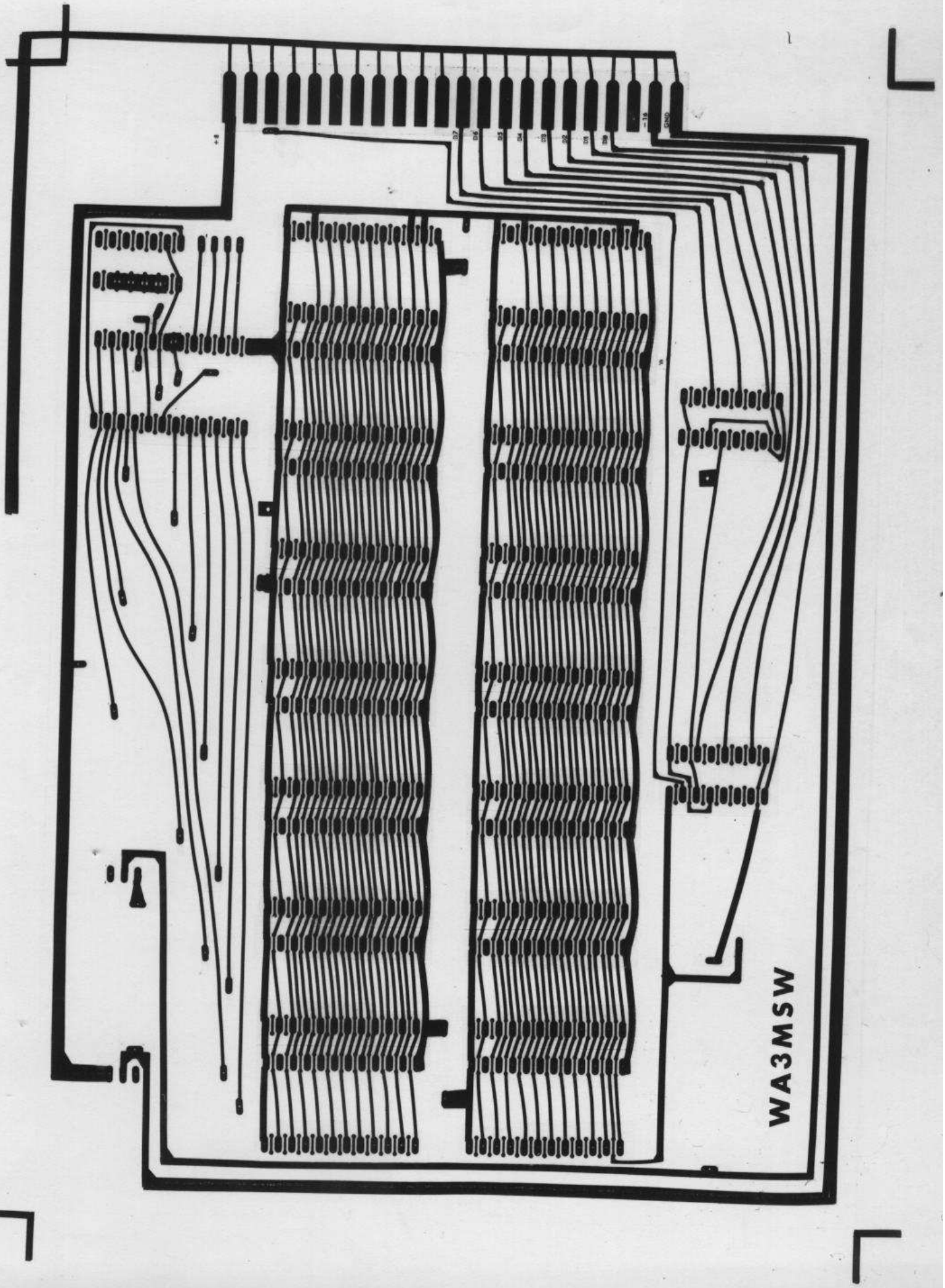
PROM

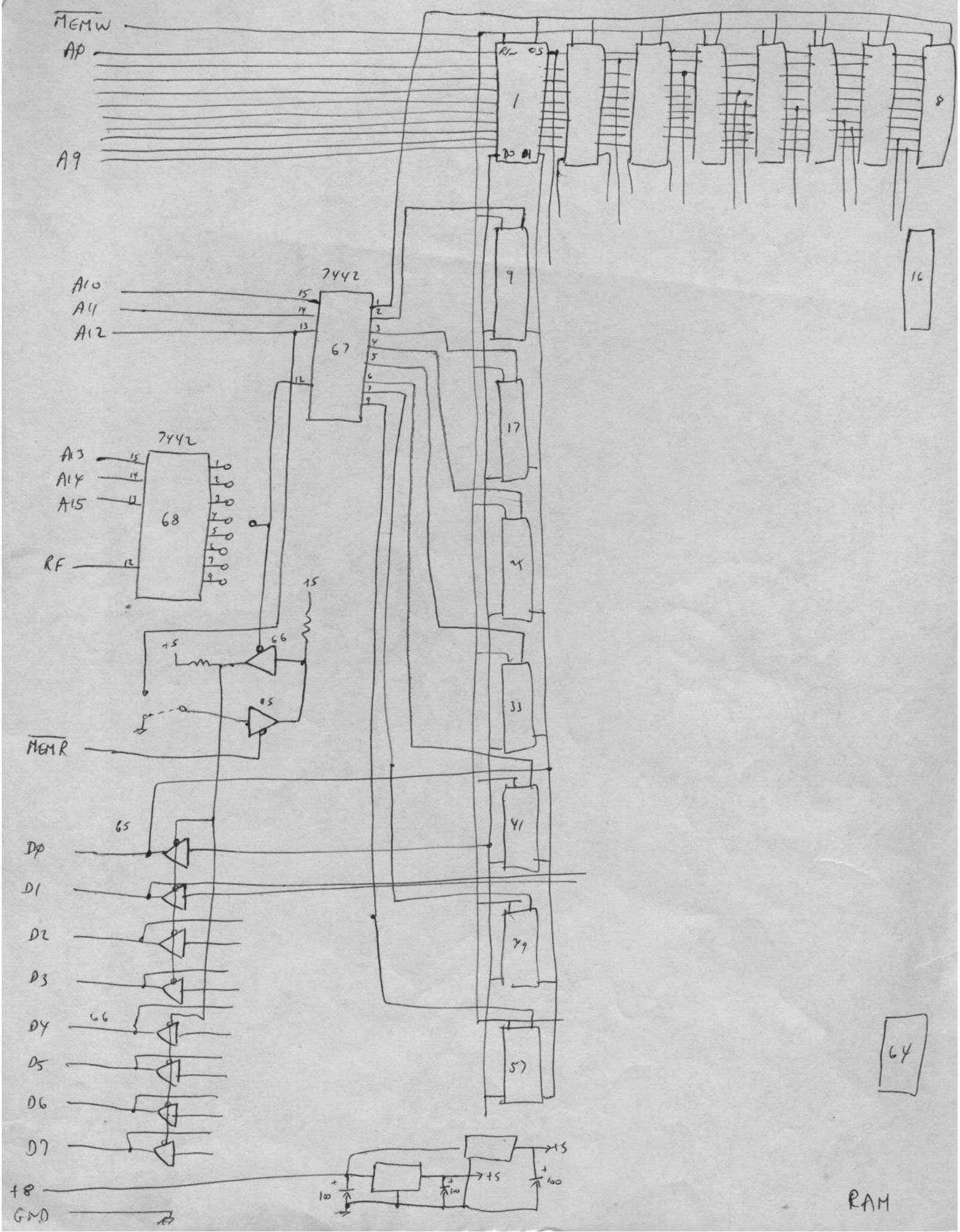

A0
A7
1702A
A8
A9
A10
A11
74154
8T97
D0
D1
D2
D3
D4
D5
D6
D7
A12
A13
A14
A15
RF
MEMR
3V07-5
+5
+8
100
100
3207-8
-12
-9
A0
A1
A2
A3
A4
A5
A6
A7
CS
1702A
DO
D1
D2
D3
D4
D5
D6
D7
+5

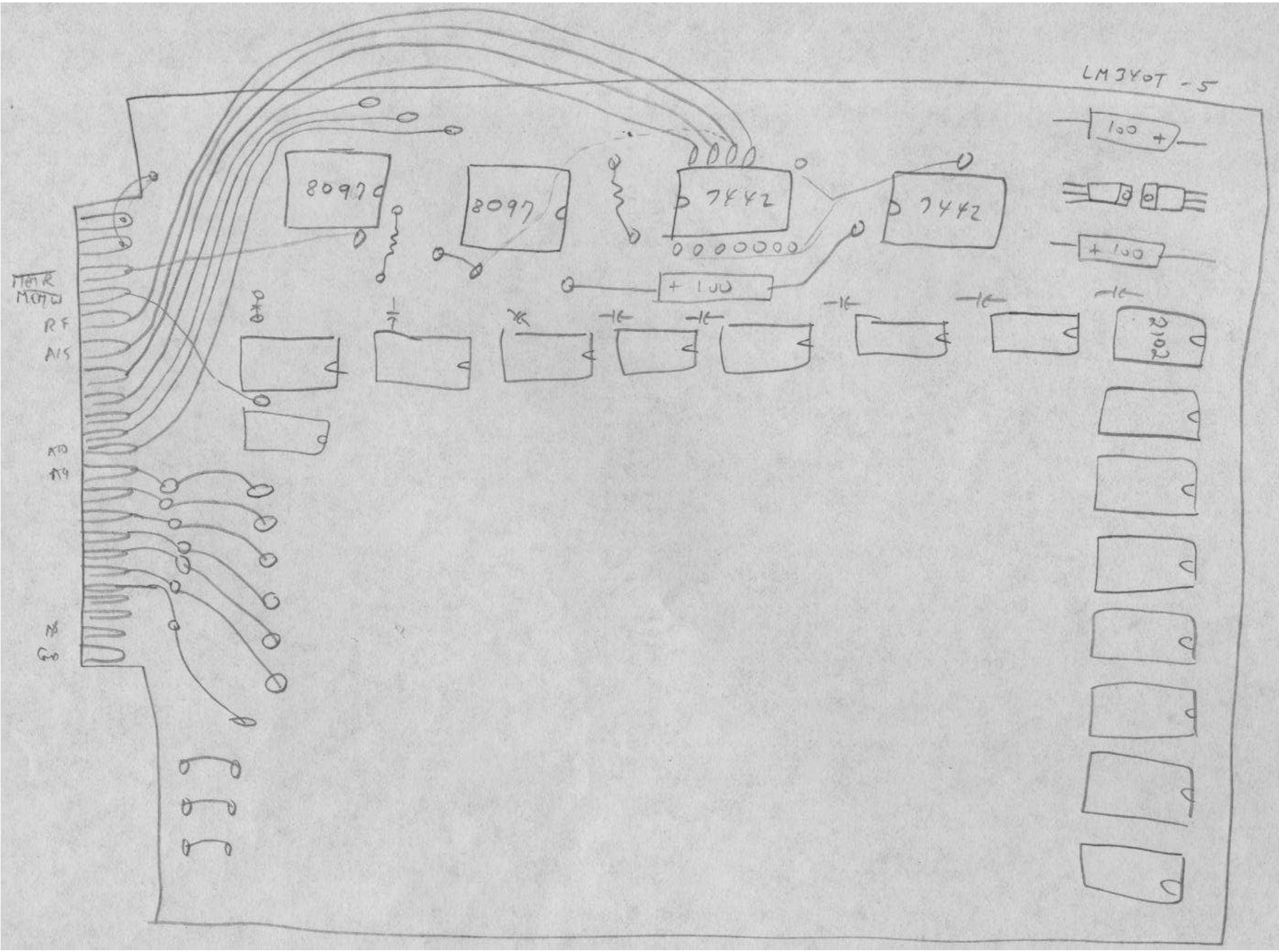

LM320T-8
LM340T-5
7422
7415F
100
+
100
100
+
1702A
16
16
8097
8097
+
100

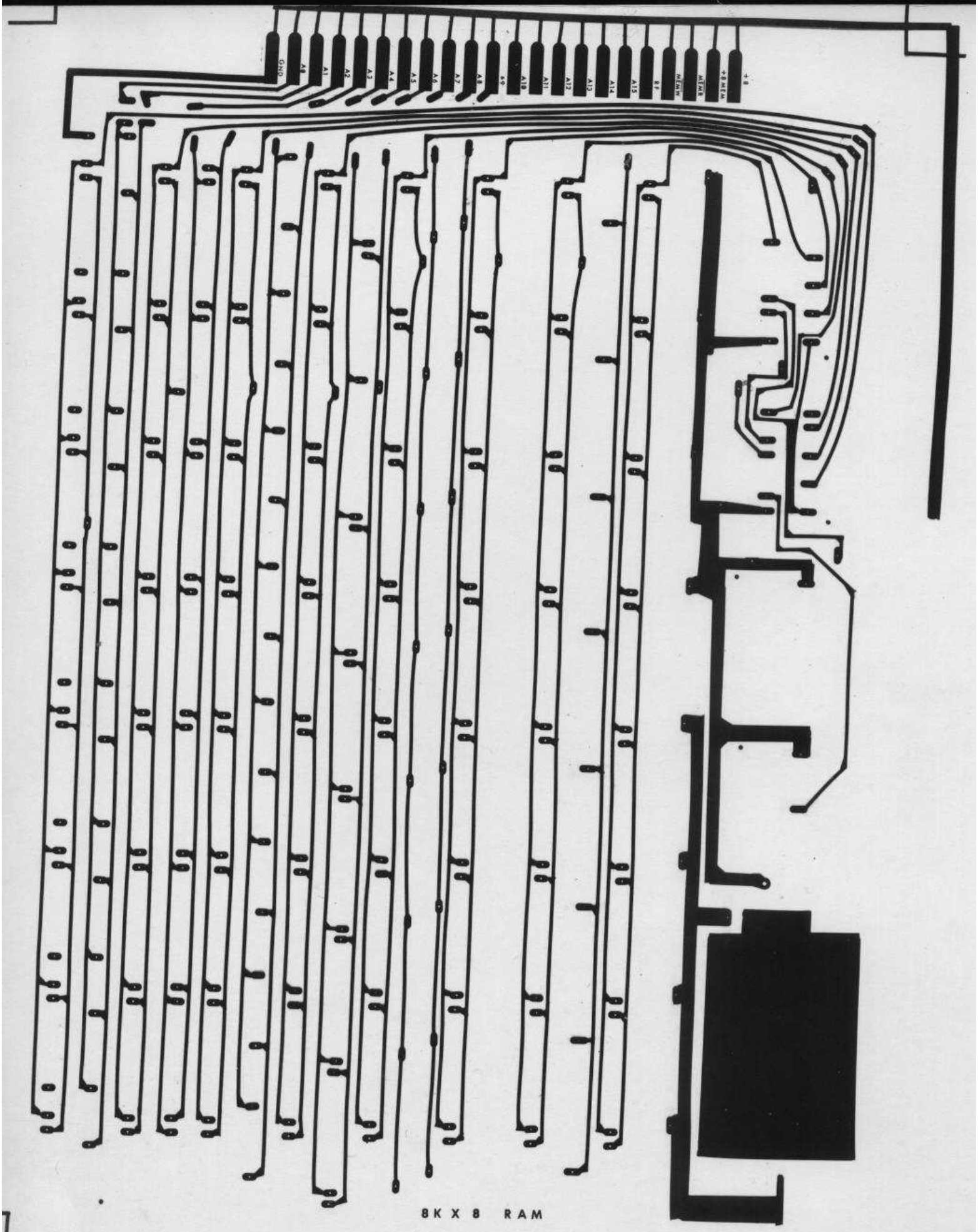


4K X 8 PROM


WA3MSW

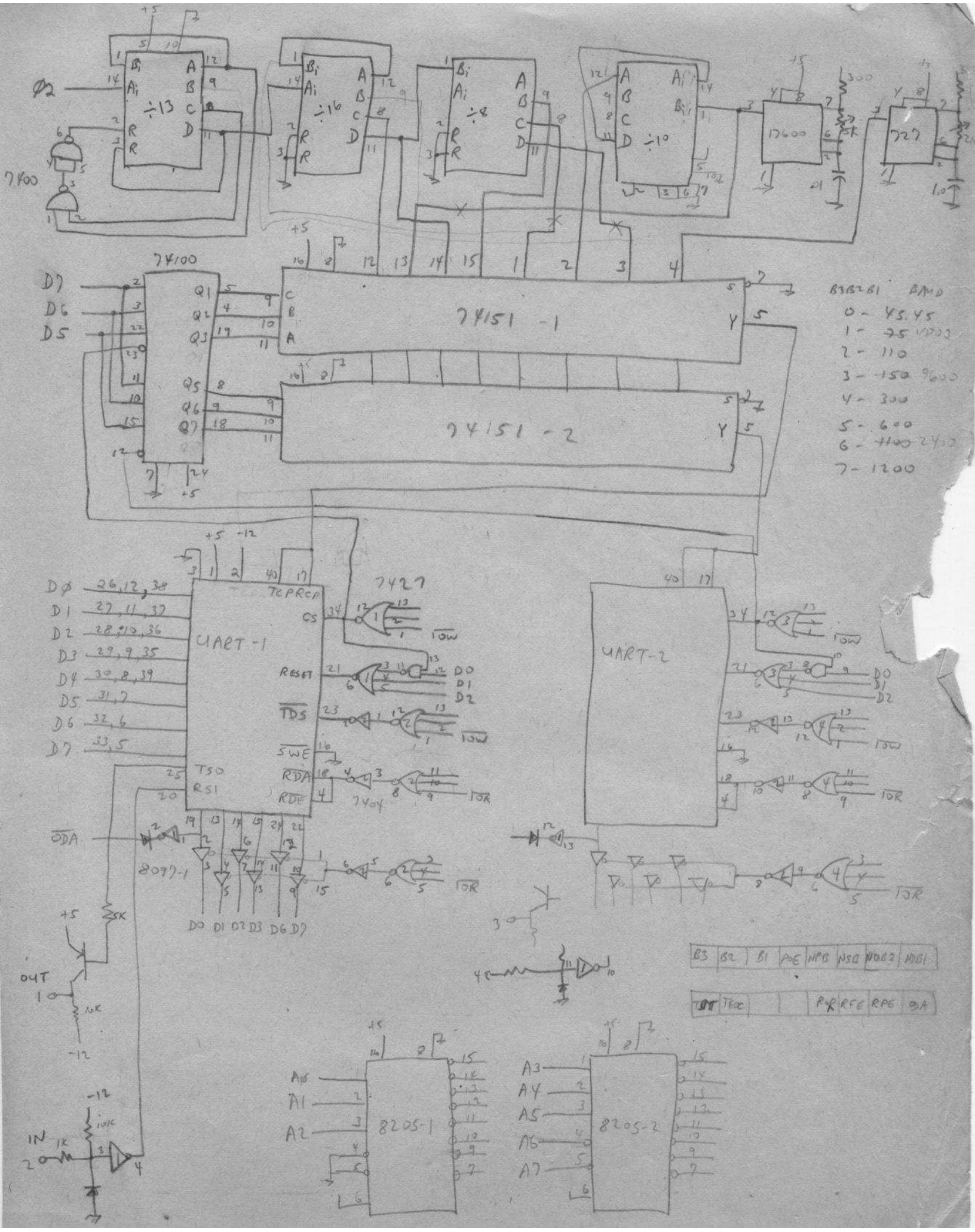

MEMW
A0
A9
R/W
CS
DO
DI
1
8
9
16
7442
A10
A11
A12
67
17
7442
A13
A14
A15
68
RF
4
15
+5
66
65
33
MEMR
41
D0
D1
D2
D3
D4
D5
D6
D7
66
29
57
64
+8
GND
+5
100
600
RAM

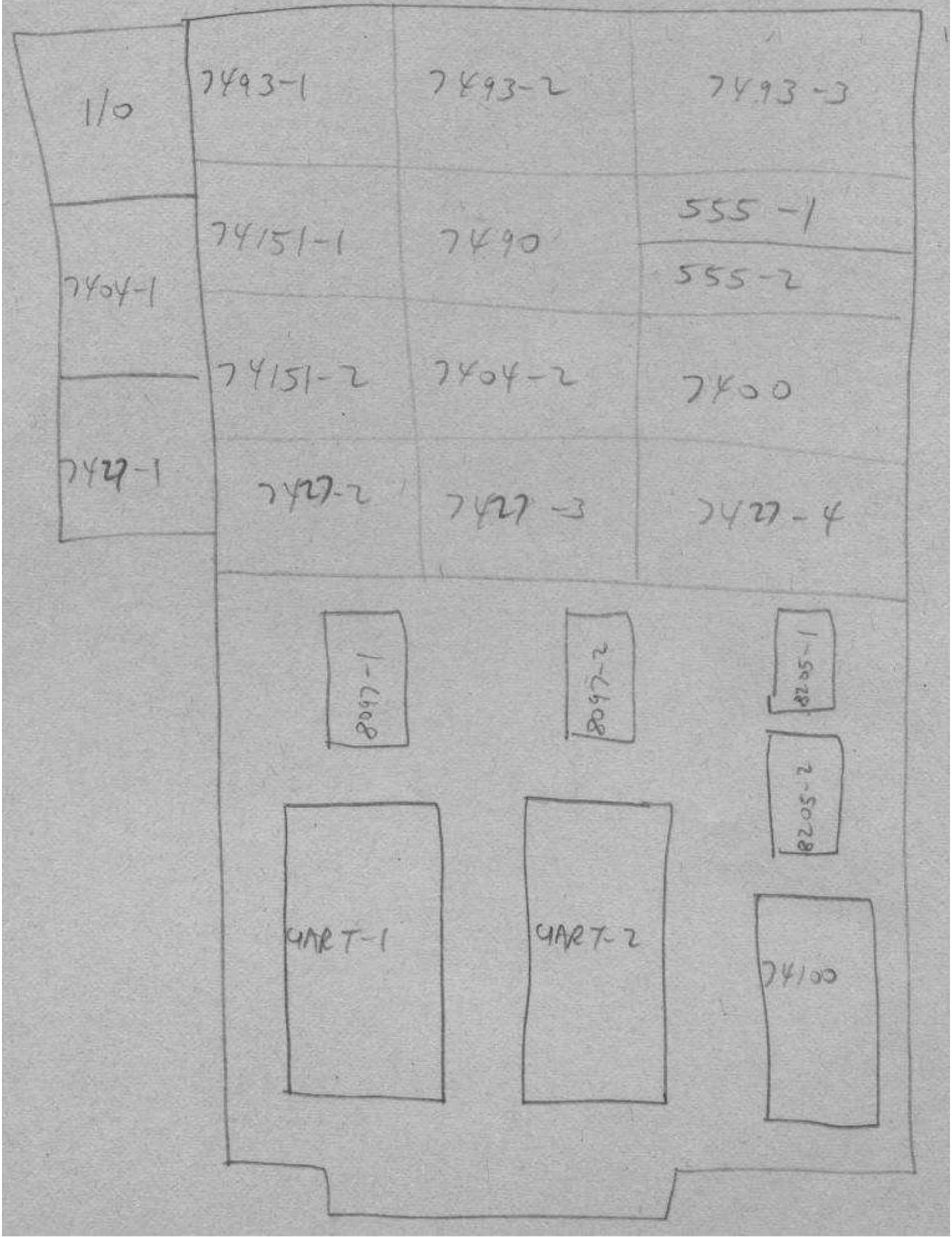

LM340T-5
8097
8097
7442
7442
100 +
+ 100
+ 100
2102
MEMR
MEMW
RF
AIS

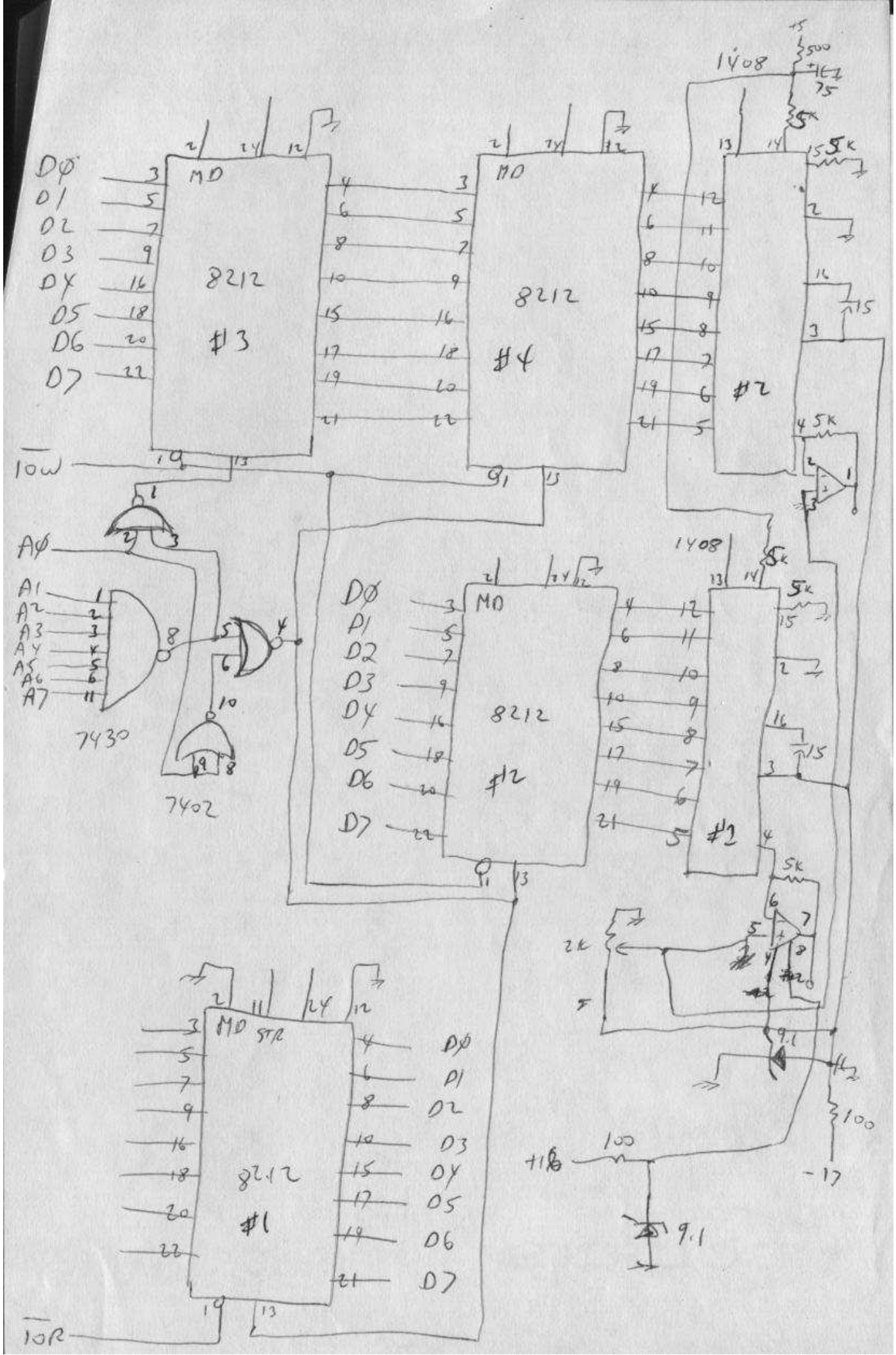

GND
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
RF
MEMW
MEMR
+8 MEM
+8

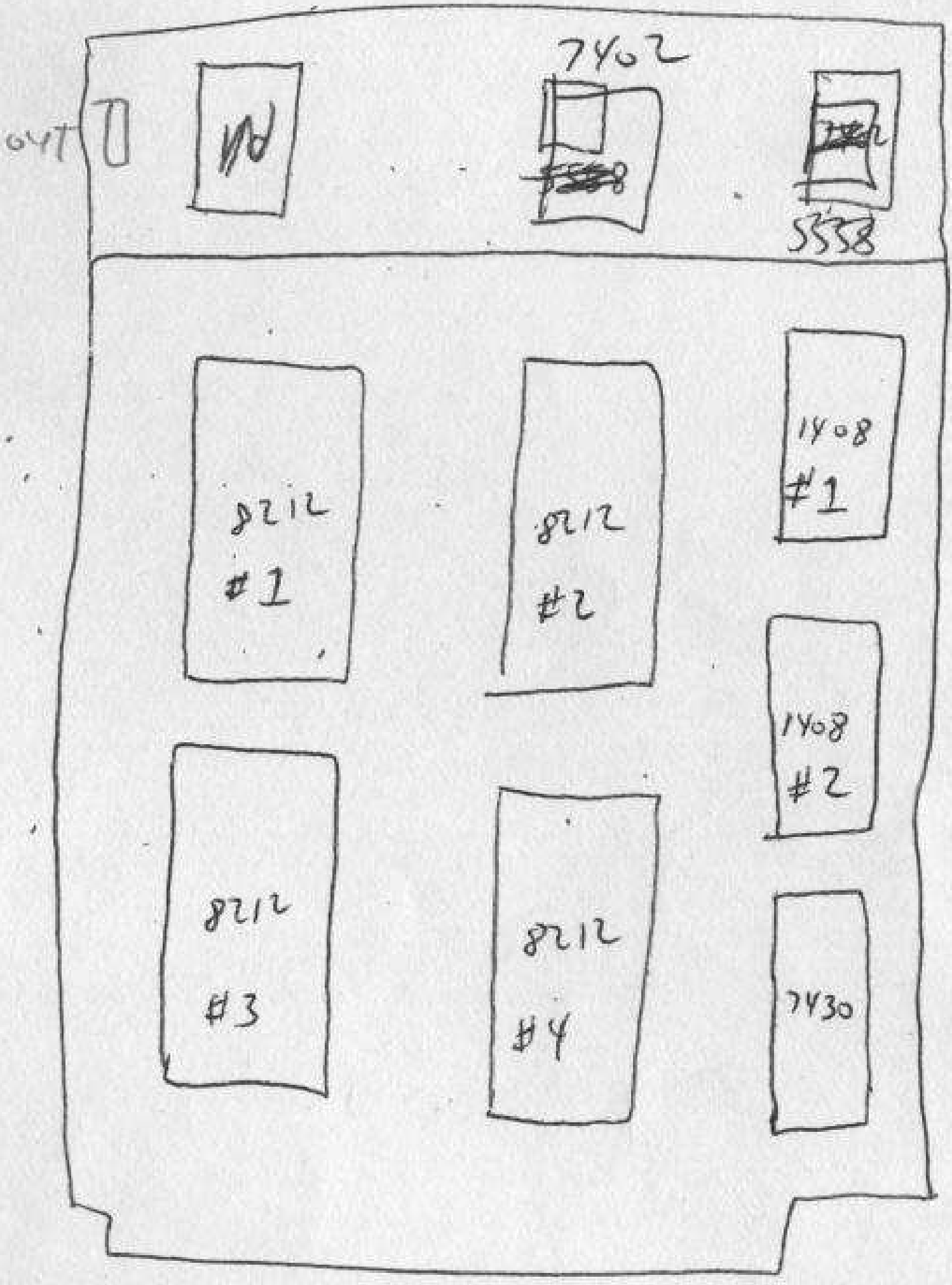
8K X 8 RAM

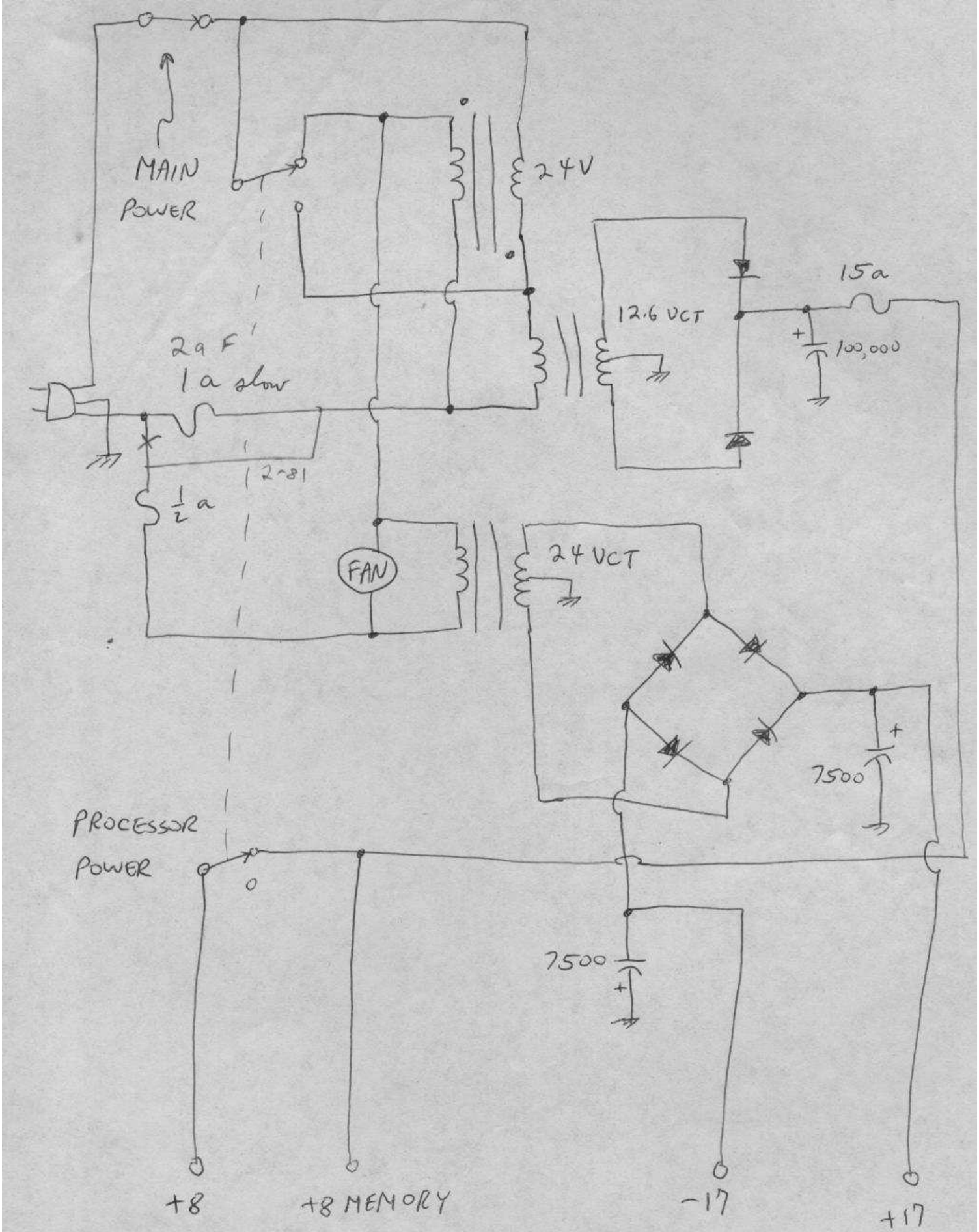
WA3MSW
GND
D0
D1
D2
D3
D4
D5
D6
D7
+8 MEM
+8


÷13
÷16
÷8
÷10
7400
74100
74151 -1
74151 -2
B3B2B1 BAUD
0 - 45.45
1 - 75
2 - 110
3 - 150
4 - 300
5 - 600
6 - 1100
7 - 1200
UART-1
UART-2
7427
7404
8097-1
8205-1
8205-2
IOW
IOR
DO
D1
D2
OUT
IN
10K
1K
5K
-12
+5


1/0
7493-1
7493-2
7493-3
555-1
555-2
7404-1
74151-1
7490
74151-2
7404-2
7400
7427-1
7427-2
7427-3
7427-4
8067-1
8067-2
8205-1
8205-2
CART-1
CART-2
74100


1408
8212
#3
#4
#2
#1
MD
MD STR
DØ
D1
D2
D3
D4
D5
D6
D7
IOW
IOR
AØ
A1
A2
A3
A4
A5
A6
A7
7430
7402
+5
500
75
5K
2K
100
+16
-17
9.1


GAT
7402
5558
8212
#1
8212
#2
1408
#1
1408
#2
8212
#3
8212
#4
7430



POWER SUPPLY

CHASSIS - 5.00

RS CARD - ~~2.99~~ ~~5.98~~ 8.97

HARDWARE - 1.38

SOLDER - 3.95

24VCT XFMR - 3.49

FUSE HOLDERS - 1.60

65K 2102 - 190.00

GRATE - 5.69

INTEL ICITS - 40.00

FRONT PANEL - 7.00

ARTWORK - 18.67

JAMES - 52.30

LED'S - 9.50

MOLEX - ~~15.70~~ 25.00

POLY PAKS - 30.14

HAMILTON - 13.00

SENSITIZER - 5.90

FERRIC CHLORIDE - 1.69

JAMES - 21.55

POLY PAKS - 17.62

462.45