



MS11-E
Engineering Drawings
Digital Equipment Corporation

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DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	D. HEALY	CHECKED	D. HEALY	SECTION
DATE	10/6/75	DATE	10/6/75	1
ENG	R. BARRY R Barry	PROD	R.K. Peterson	ISSUED SECT.
DATE	10-22-75	DATE	10/23/75	1

[illegible]

TITLE	MOS RAM (MS11-E)		ASSY NO.	NONE	SIZE	CODE	NUMBER	REV.	ECO NO.
					A	PL	MS11-E-Ø	A	MS11-E-00001
	SHEET 1 OF 1				DIST.				

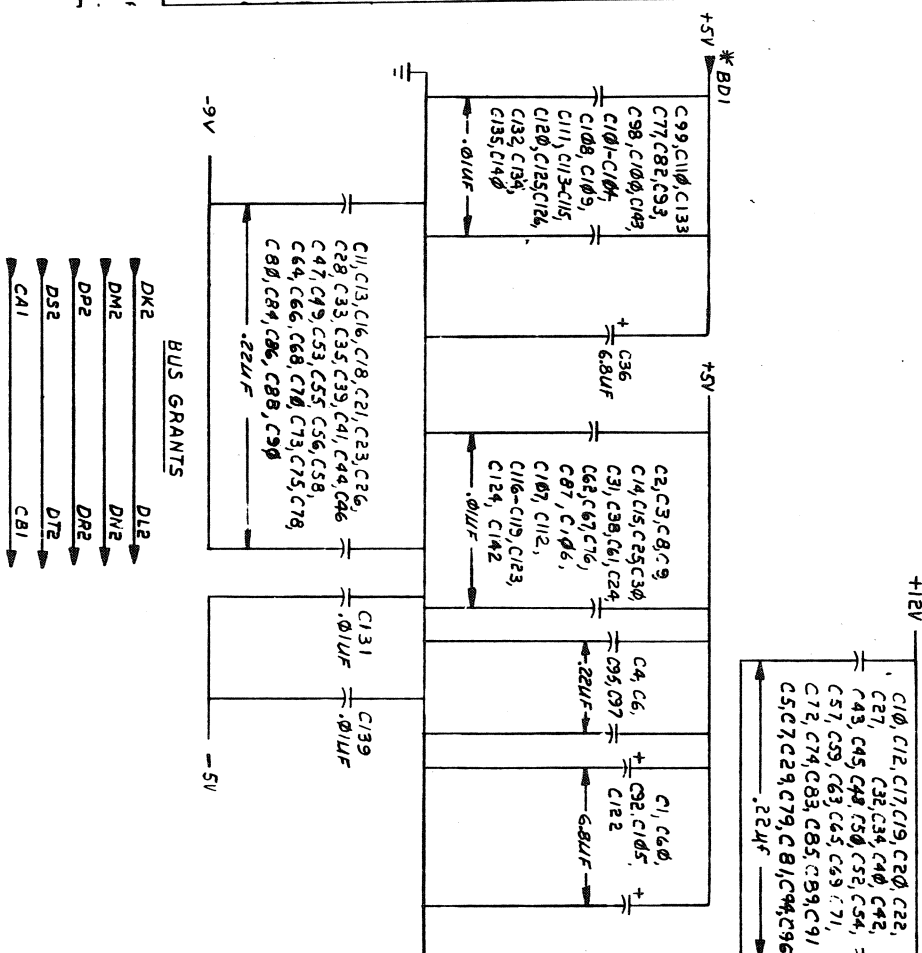
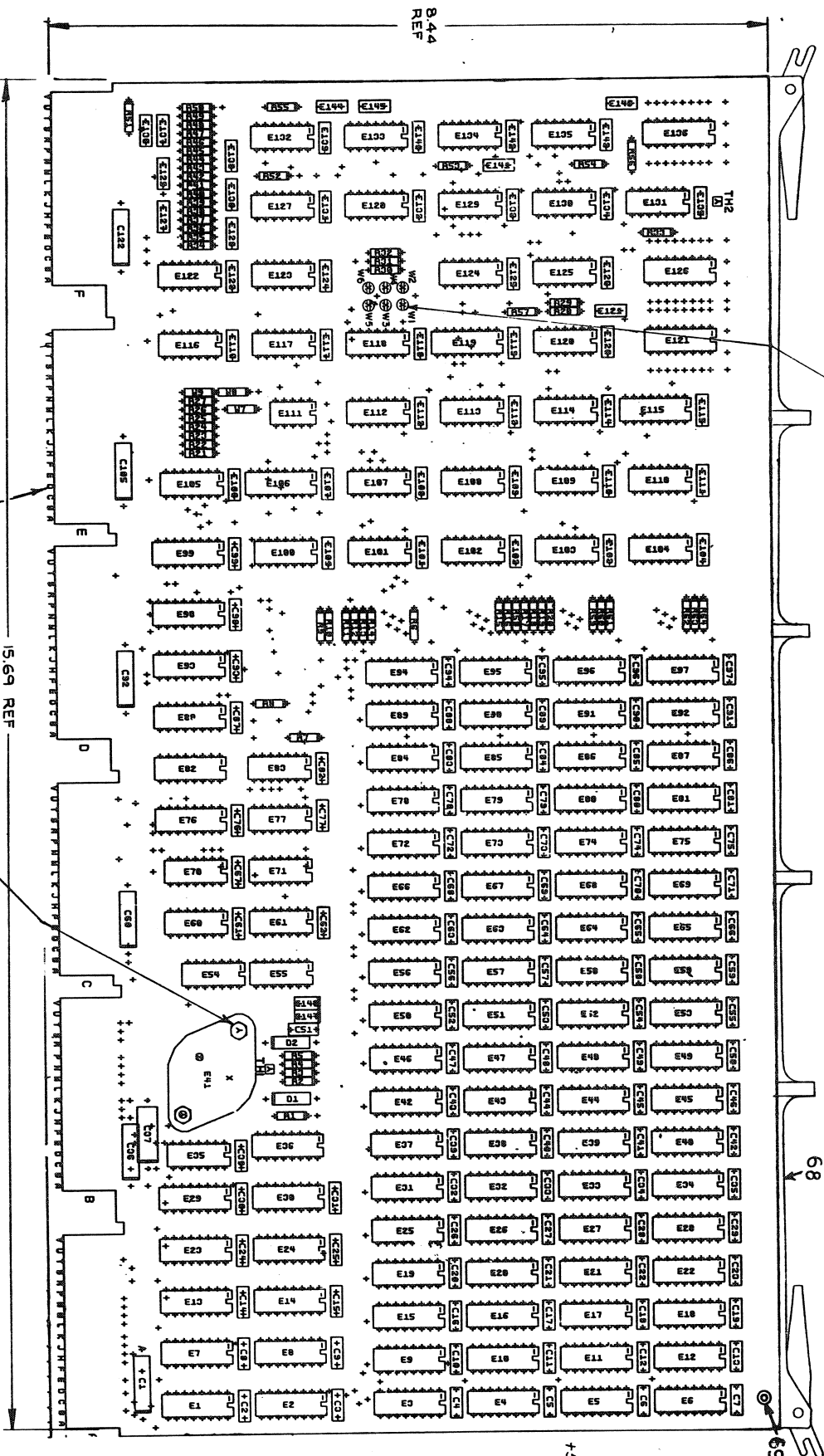
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NOTES:

1. THERMAL COMPOUND (ITEM NO. 72) TO BE PLACED UNDER E41.
2. JUMPERS TO BE CONNECTED FOR EACH VARIATION AS FOLLOWS:
2. (CONT) CONNECTIONS TO BE MADE USING BUS WIRE (ITEM NO. 73).

BA, CA, DA, EA, BA, CA, DA, EA, VA, VB	WB TO WA
BC, CC, DC, EC, BD, CD, DD, ED, VC, VD	WB TO WE & WB TO WA
BE, CE, DE, EE, BF, CF, DF, EF, BH, CH, DH, EH	WB TO WE, WB TO WA, & WB TO WE
BT, CT, DT, ET, YF, YH, YV	

67, 73 SEE NOTE 2



70
71
72 SEE NOTE 1

7475	12	5	—
745153	8	16	—
75107	7	14	13
74174	8	16	—
8641	8	16	—
8640	1	8	—
7483	12	5	—
IC TYPE	AND	+5V	-5V

AND AND-5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT AS STATED ABOVE

IC PIN LOCATIONS

J. MANTON	5-19-78
M7847-00006	K
J. MANTON	4/1/78
M7847-00005	J
J. C. MANTON	4/1/78
M7847-00004	H
J. MANTON	8-21-76
M7847-00003	F
J. MANTON	12-14-75
M7847-00002	E
J. MANTON	4-12-75
M7847-00001	D

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
FOR PARTS LIST REFER TO SHEETS 2 & 3				
PARTS LIST				
ETCH BOARD REV. E				
FIRST USED ON OPTION MODEL				
REVISIONS				
CHK	CHANGE NO.	REV.		
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE
SIZE CODE				
DIMS M7847-0-1				
REV. K				

UNIBUS MOS MEMORY

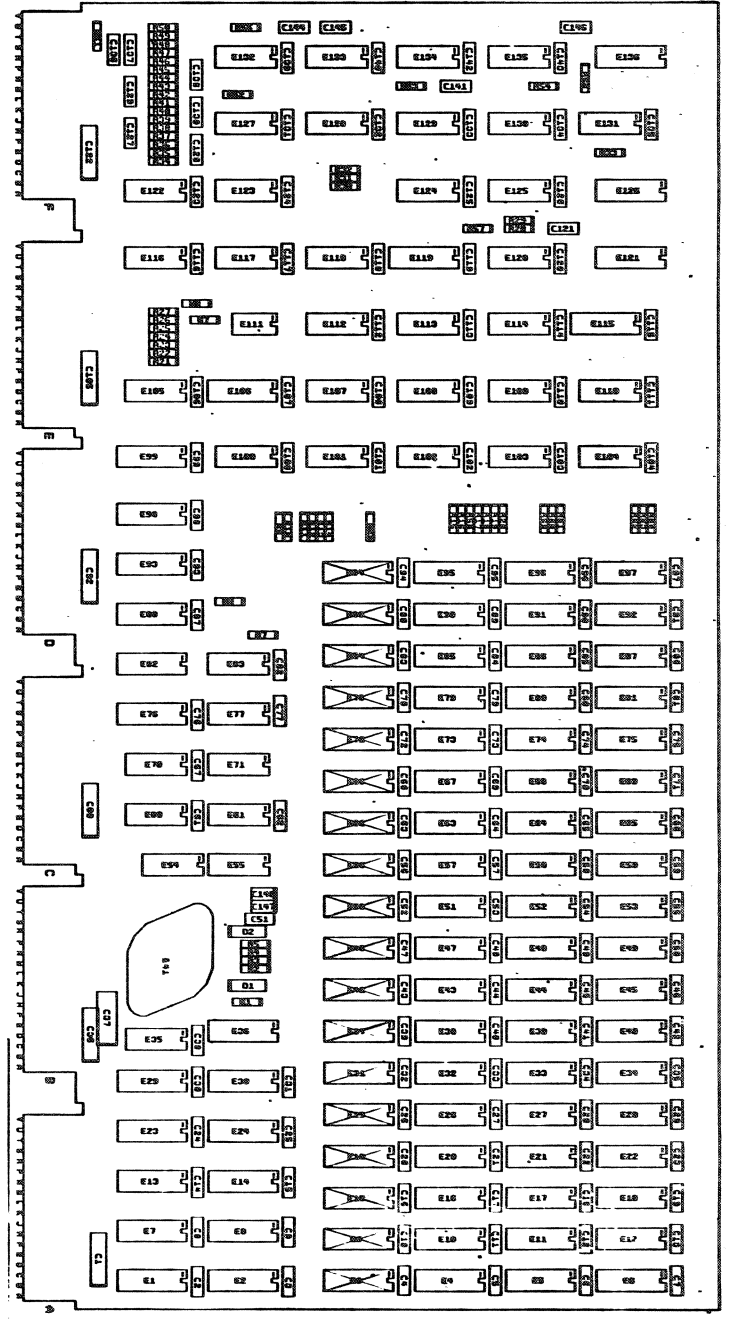
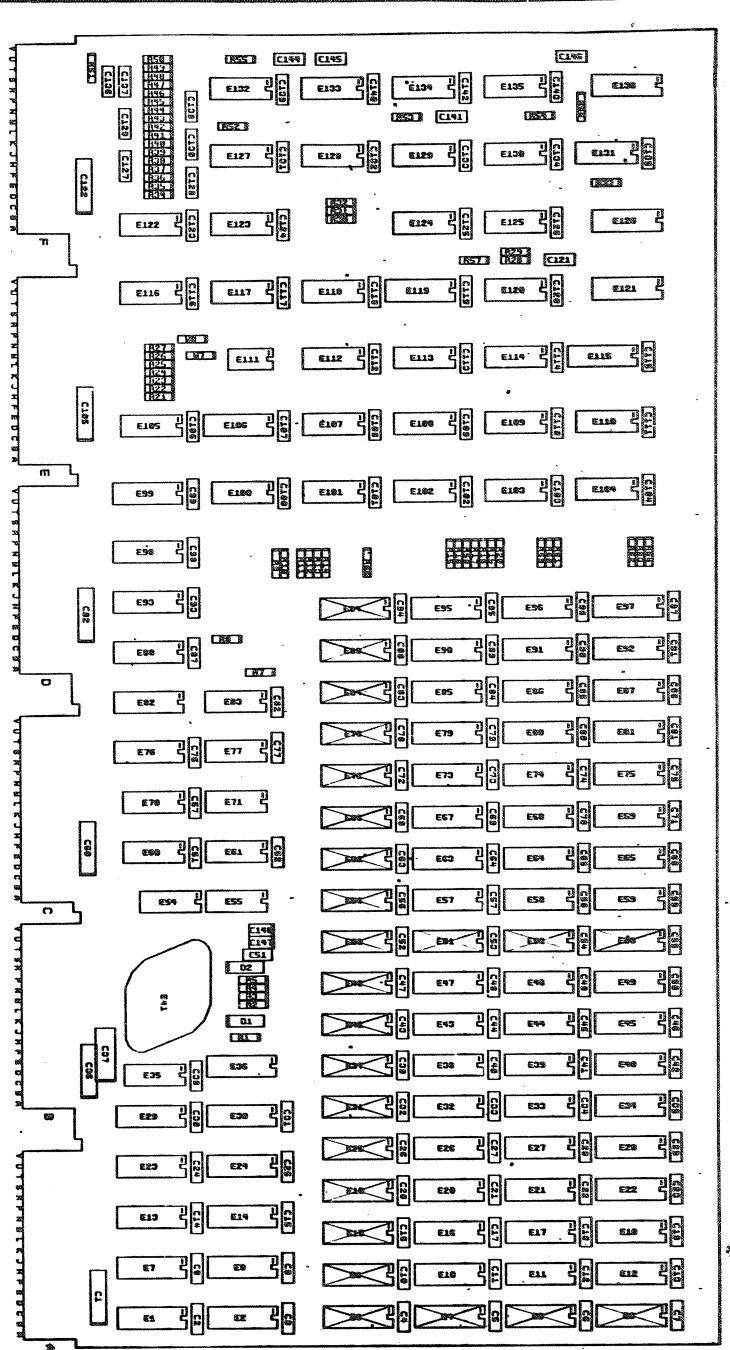
digital

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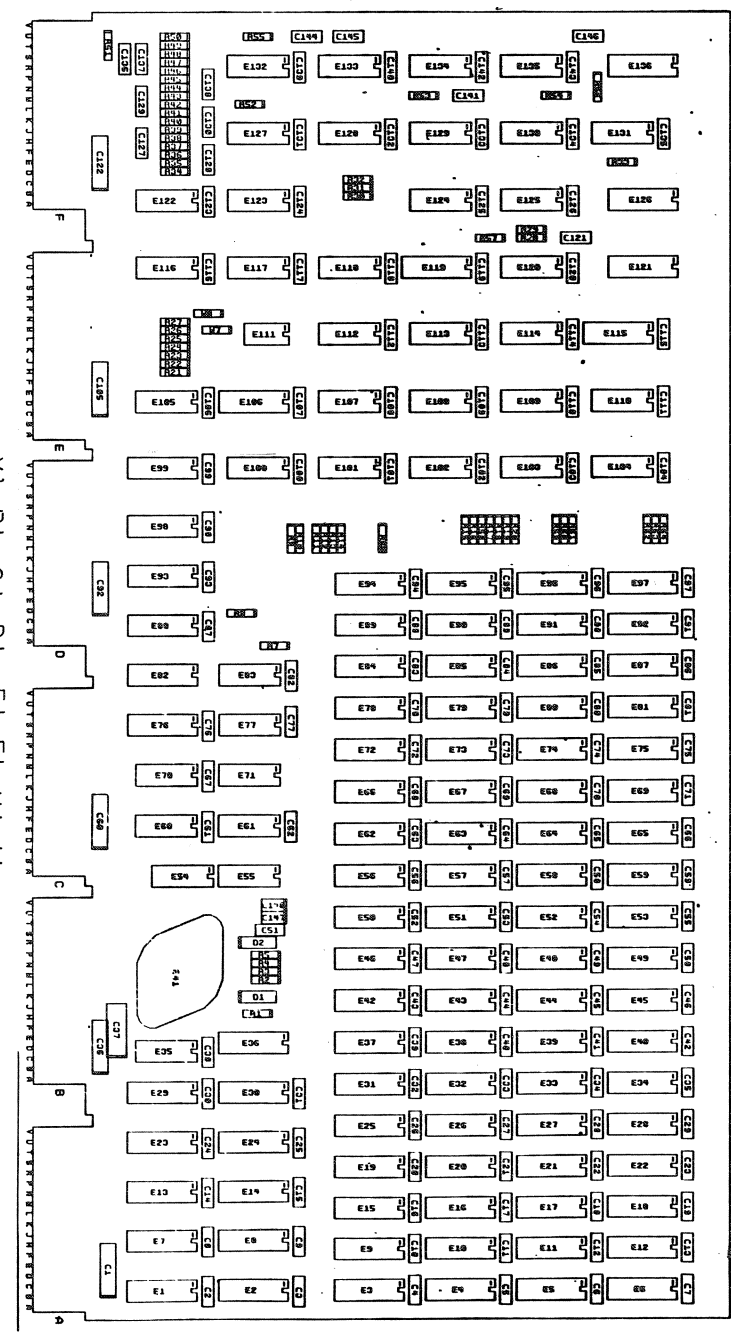
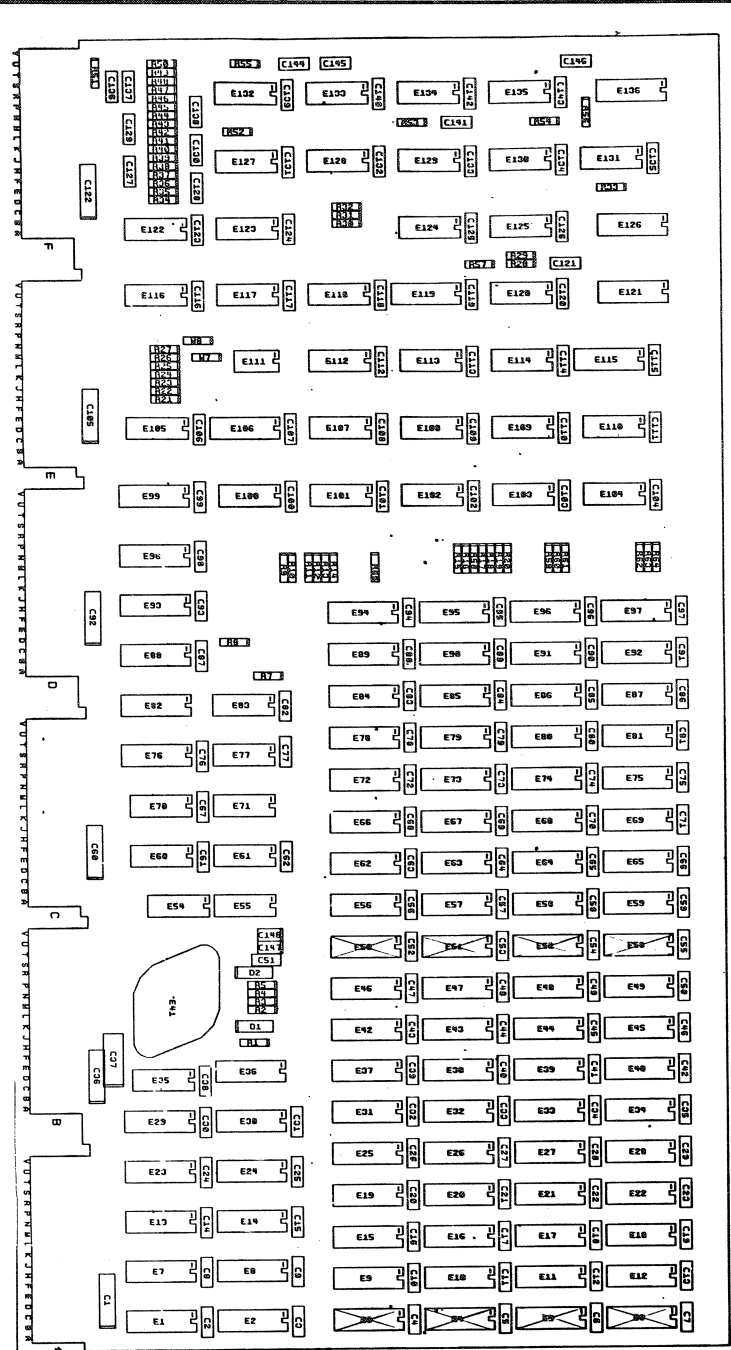
NOTE:
THESE OVERLAYS ONLY TO INDICATE POSITIONS
FOR 4K MOS MEMORY IC'S AND .22 U.F. CAPS.

1-0-482M302 2



-YE-BE-CE-DE-EE-FE-HE-JE

-YF-BF-CF-DF-EF-FF-HF-JF



-YH-BH-CH-DH-EH-FH-HH-JH

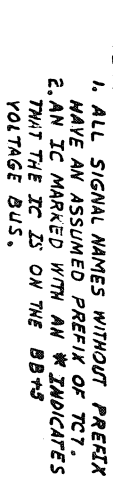
-YJ-BJ-CJ-DJ-EJ-FJ-HJ-JJ

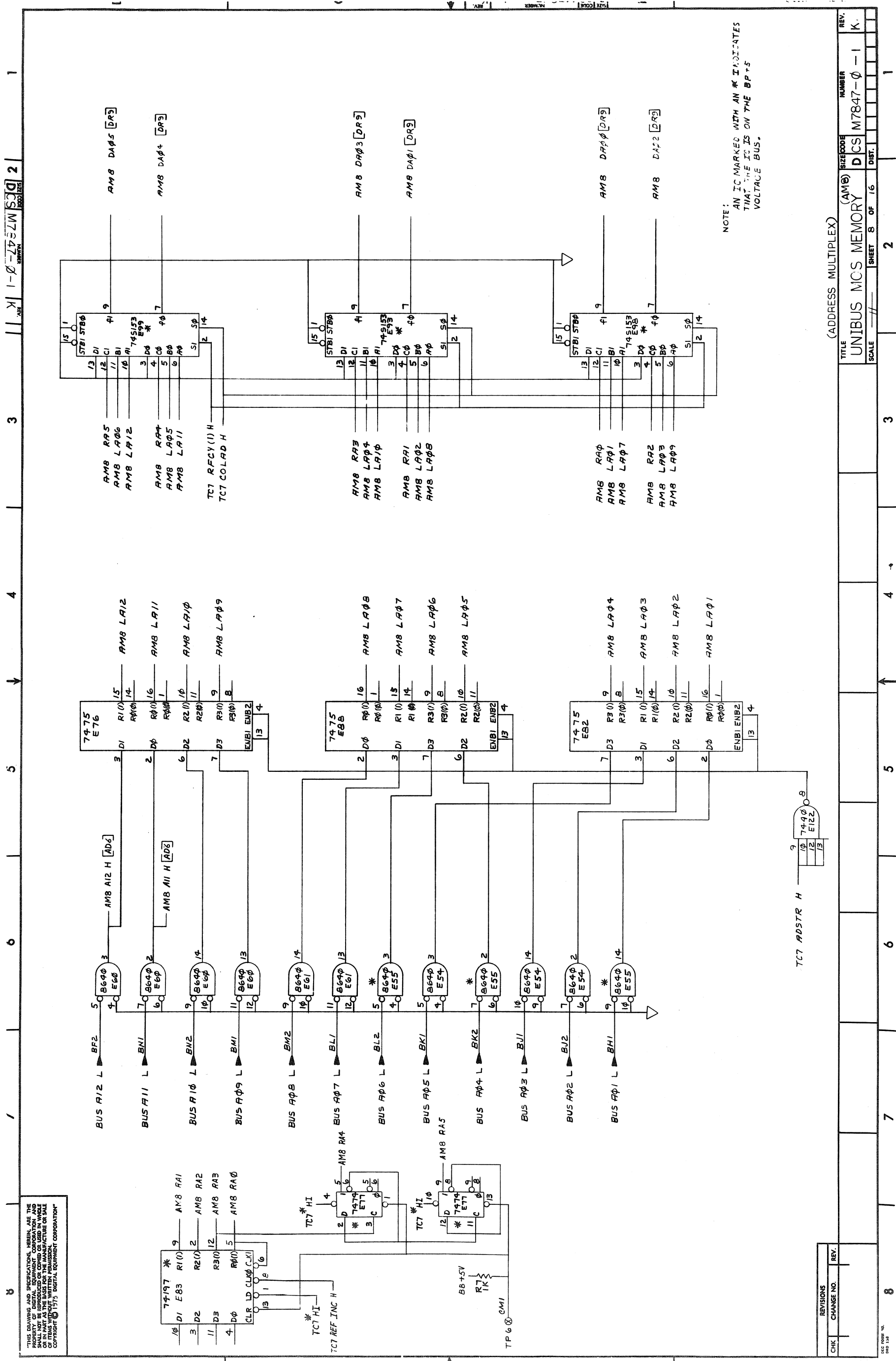
REVISIONS		TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.	UNIBUS MOS MEMICRY	D	CSM7847-0-1	K			
			SCALE 5 OF 7						

8 7 6 5 4 3 2 1

DCSM7847-0-1 K

1

[illegible]

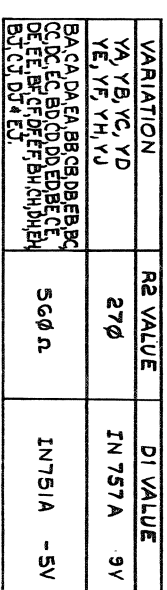


NOTE:
AN IC MARKED WITH AN * INDICATES
THAT THE IC IS ON THE BP+5
VOLTAGE BUS.

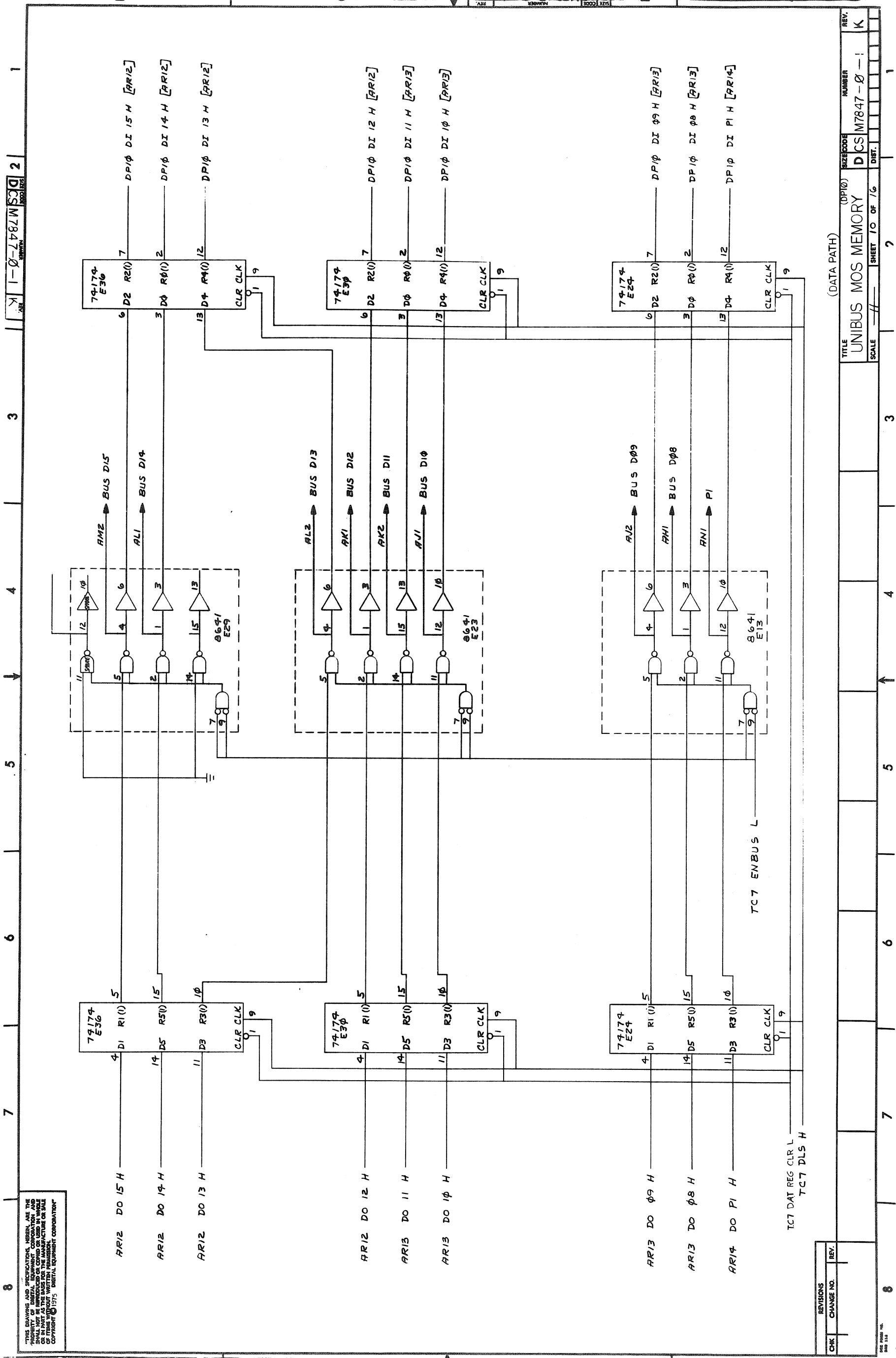
REVISIONS		REV.
CHK	CHANGE NO.	

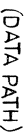
(ADDRESS MULTIPLEX)				(AM [®])		SIZE CODE	NUMBER	REV.
TITLE UNIBUS MCS MEMORY				D	CS	M7847- ϕ	- I	K.
SCALE —#—		SHEET 8	OF 16	DIST.				

2000



TITLE	(D39)	SIZE CODE	NUMBER	REV.
UNIBUS MOS MEMORY	D	CS	M7847-0-1	K
SCALE	1/1	SHEET	9 OF 16	DWG.





TITLE	UNIBUS MOS MEMORY		(DPT) SIZE CODE	NUMBER	REV.
SCALE	1/1	1/2	1/4	D CS M7847-Ø-1	K
SHEET	11	OF	16	DRGT.	

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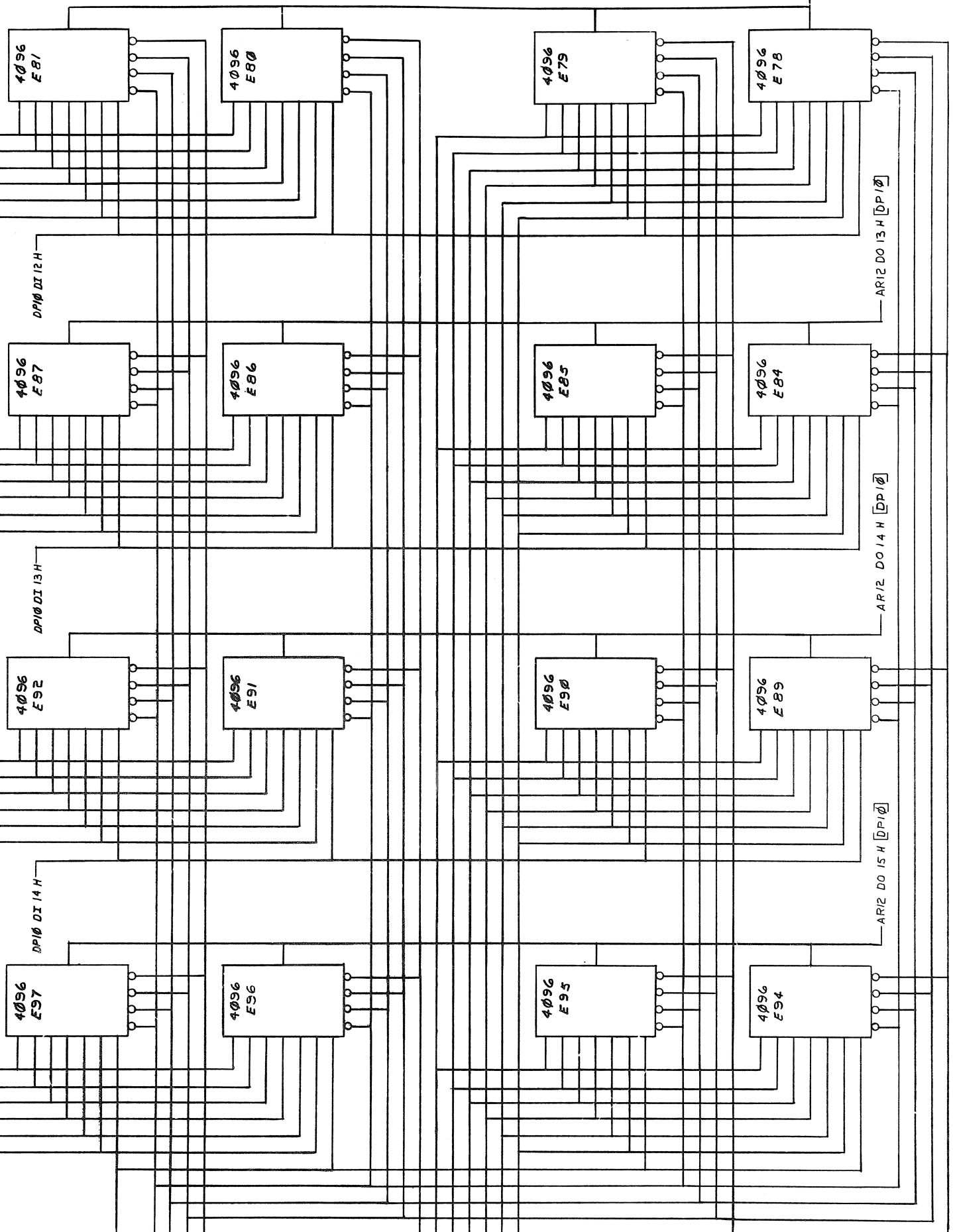
DRS A05 B L
DRS A04 B L
DRS A03 B L
DRS A02 B L
DRS A01 B L
DRS A00 B L

DPI0 DI 15 H
DRS CS L
DRS CAS L
DRS WB 1 L
DRS RAS A L

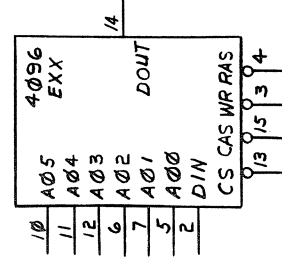
DRS RAS B L
DRS A05 A L
DRS A04 A L
DRS A03 A L
DRS A02 A L
DRS A01 A L
DRS A00 A L

DRS RAS C L

DR9 RAS D L



NOTE:
1. SOME IC'S ARE
OMITTED ON VARIOUS
ASSEMBLY VERSIONS,
SEE PARTS LIST FOR
EXACT DETAILS.



GND PIN 16
(-5V) PIN 1
+12V PIN 8
+5V PIN 5

REVISIONS	
CHK	CHANGE NO.

(ARRAY)

REV.		NUMBER		SIZE CODE		(ARI2)		SHEET		2		1	
K		M7847-Q-1		D CS		M7847-Q-1		72 OF 76		2		1	
K		M7847-Q-1		D CS		M7847-Q-1		72 OF 76		2		1	
K		M7847-Q-1		D CS		M7847-Q-1		72 OF 76		2		1	

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8

7

6

5

4

3

2

1

1-0-47847M

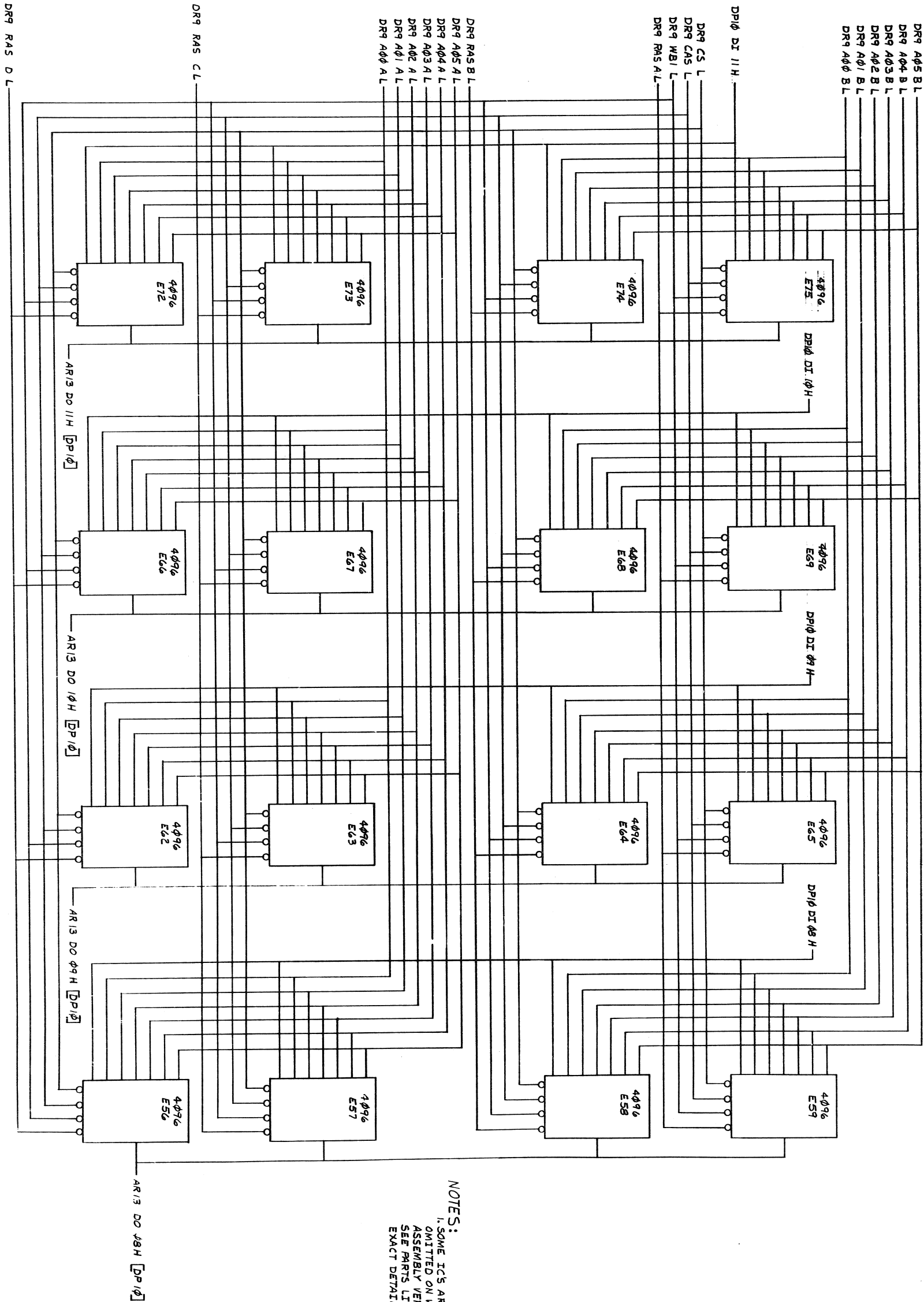
SCD

2

K

10	A05	4096	EXX
11	A04		
12	A03		
6	A02		DOUT
7	A01		
5	A00		
2	D IN		
CS	CAS	WR	RAS
13	15	3	4

PIN 16 GND
PIN 1 -9V (-5V)
PIN 8 +12V
PIN 9 +5V



NOTES:
1. SOME IC'S ARE
OMITTED ON VARIOUS
ASSEMBLY VERSIONS.
SEE PARTS LIST FOR
EXACT DETAILS.

(ARRAY)

TITLE UNIBUS MOS (AR13)
MEMORY

SIZE CODE DCS

NUMBER M7847-0-1

REV. K

8

7

6

5

4

3

2

1

SCALE

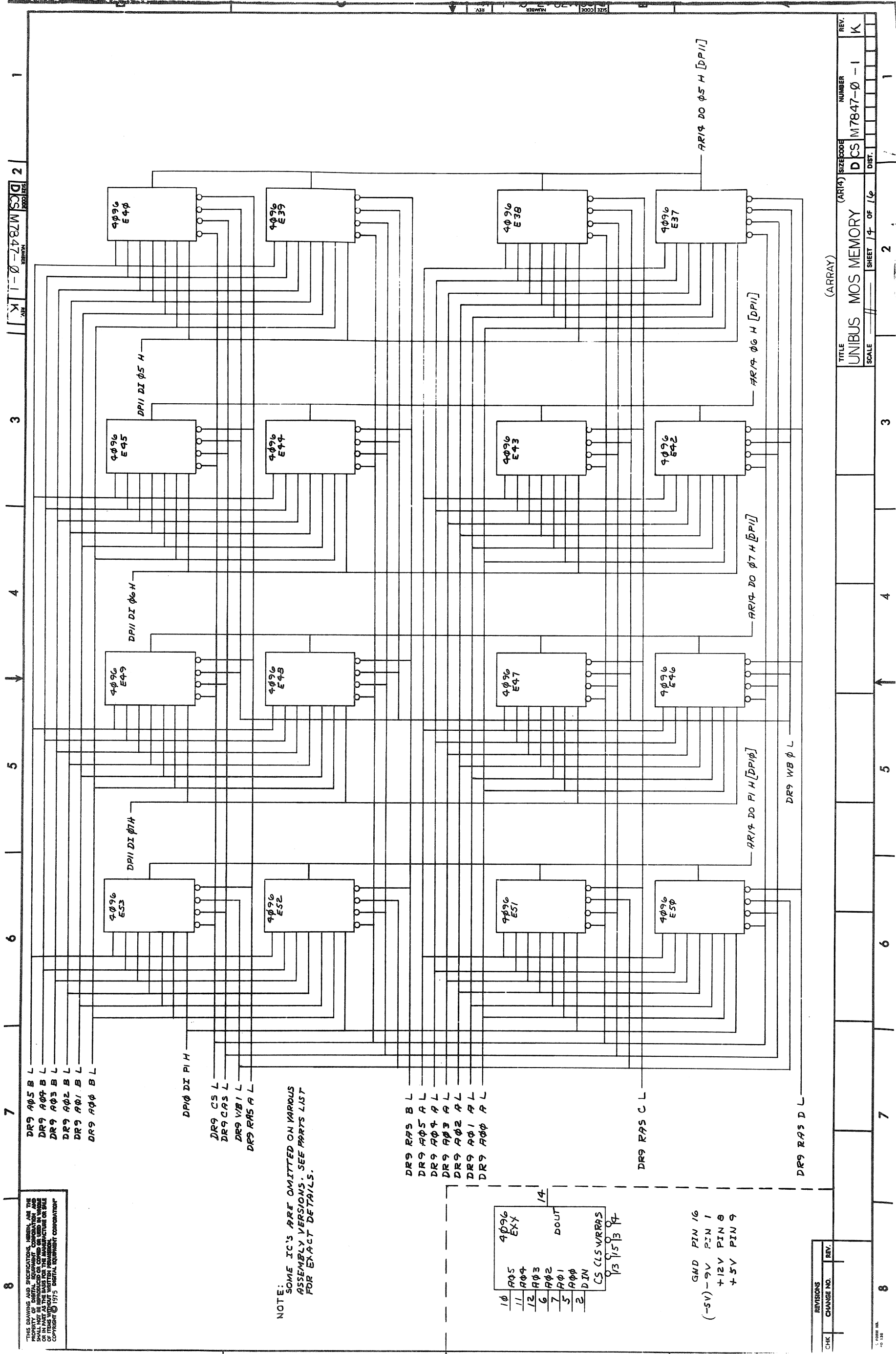
SHEET

13 OF 16

DIST.

NUMBER

REV.



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8

7

6

5

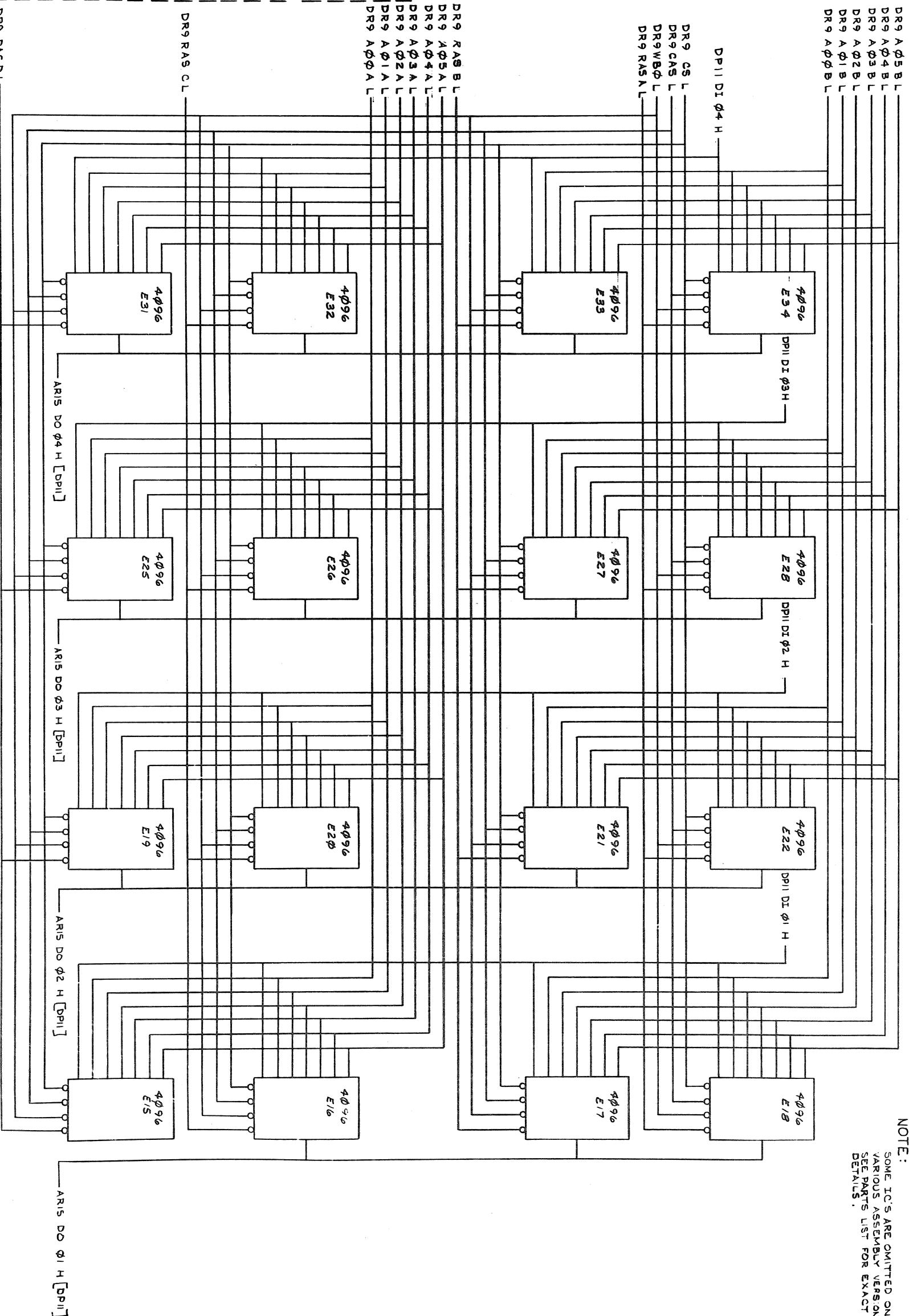
4

3

2

1

NOTE:
SOME IC'S ARE OMITTED ON
VARIOUS ASSEMBLY VERSIONS.
SEE PARTS LIST FOR EXACT
DETAILS.



(ARRAY)

TITLE UNIBUS MOS MEMORY

SIZE CODE DCS

NUMBER M7847-0-1

REV. K

SCALE

SHEET 1/5

OF 16

DIST.

1

2

3

4

5

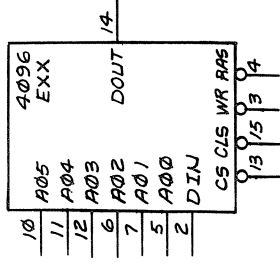
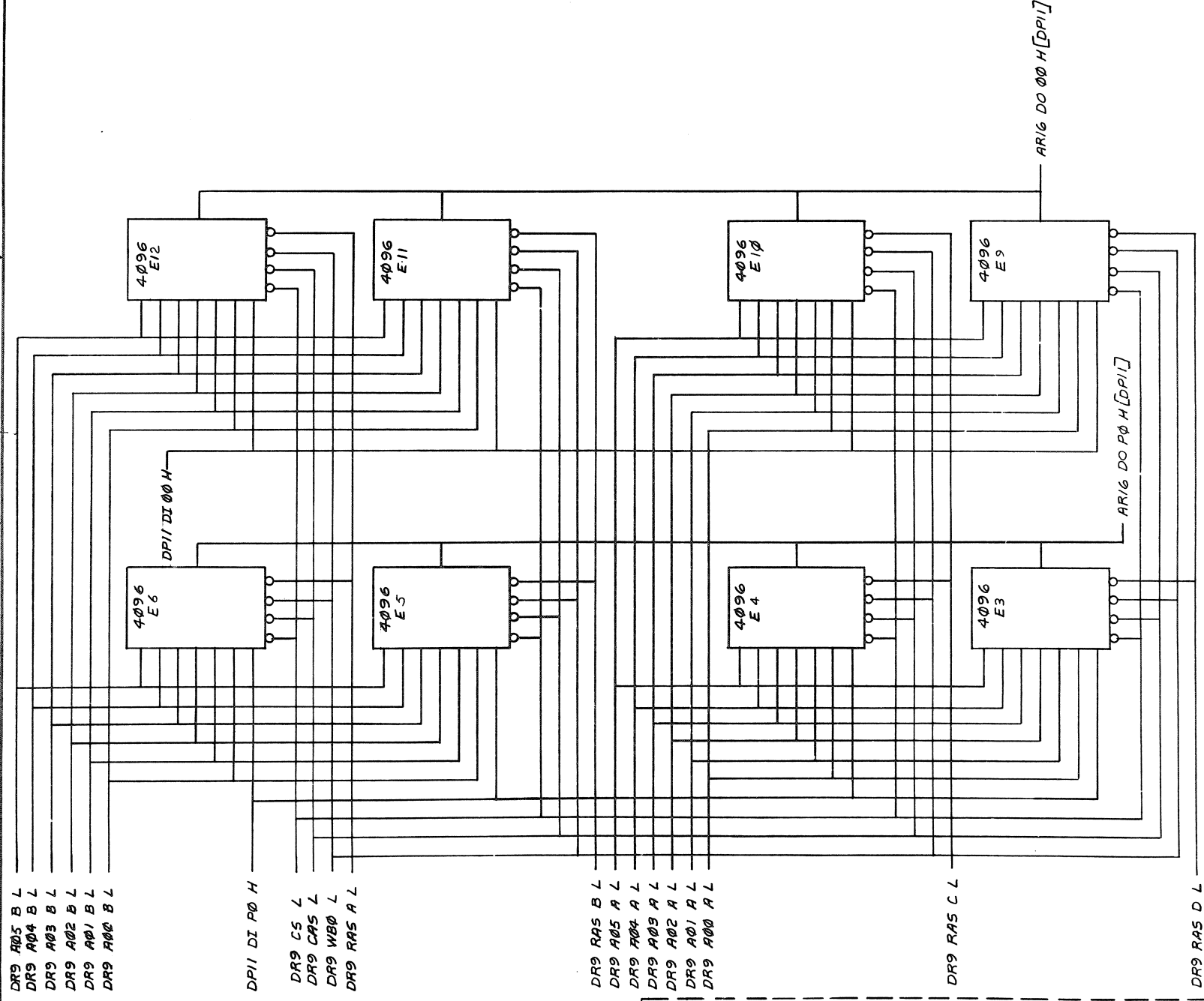
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7

8

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NOTE:
SOME IC'S ARE OMITTED ON
VARIOUS ASSEMBLY VERSIONS.
SEE PARTS LIST FOR
EXACT DETAILS.



GND	P1N 16
(-5V)	P1N 1
+12V	P1N 8
+5V	P1N 9

REVISIONS		
CHK	CHANGE NO.	REV.

(ARRAY)

TITLE	(ARI6)	SIZE CODE	NUMBER	REV.
UNIBUS MOS MEMORY		D CS	M7847-Q-I	K
SCALE	7/7	SHEET	76	OF 76
		DIST.		