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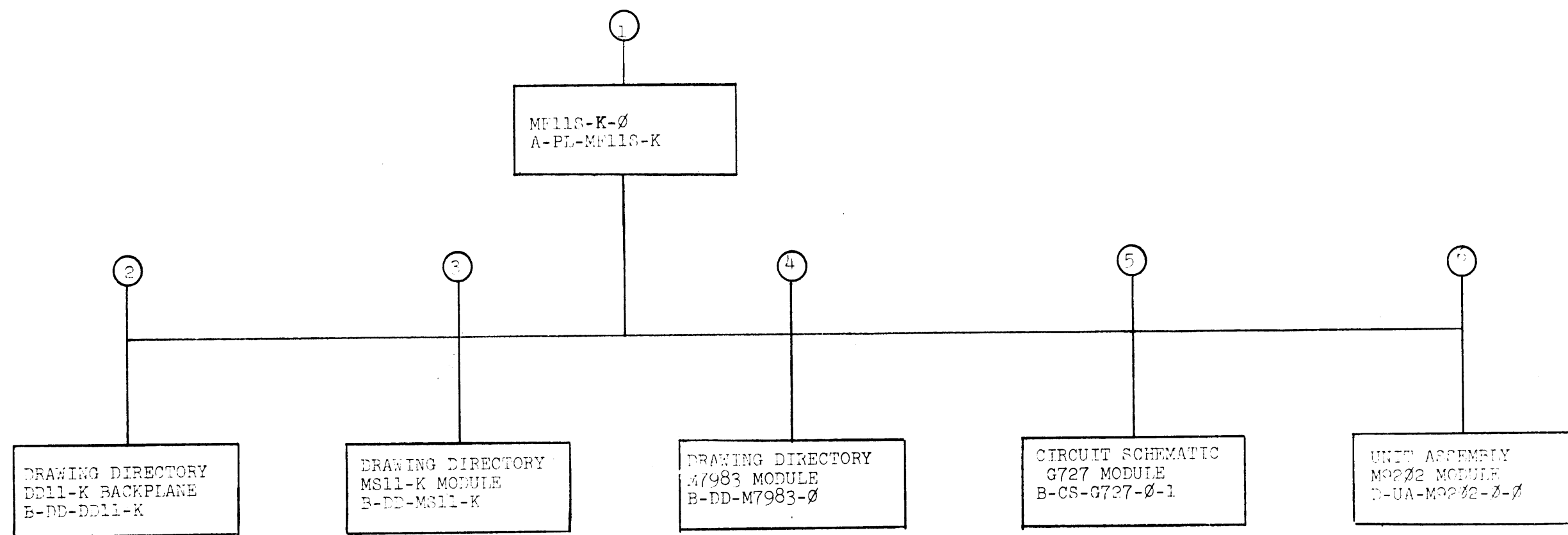
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SEQUENCE

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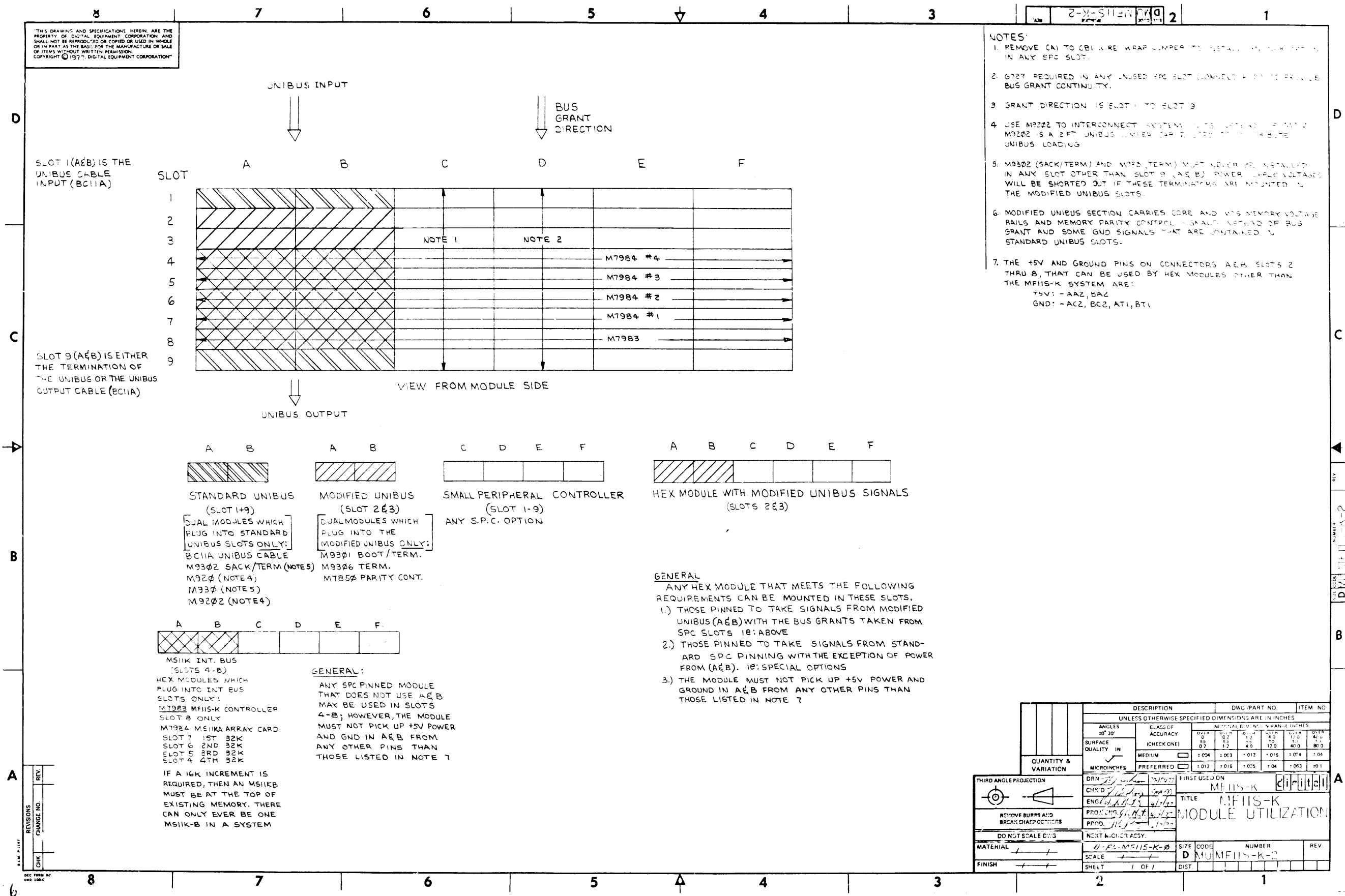
DRB 106

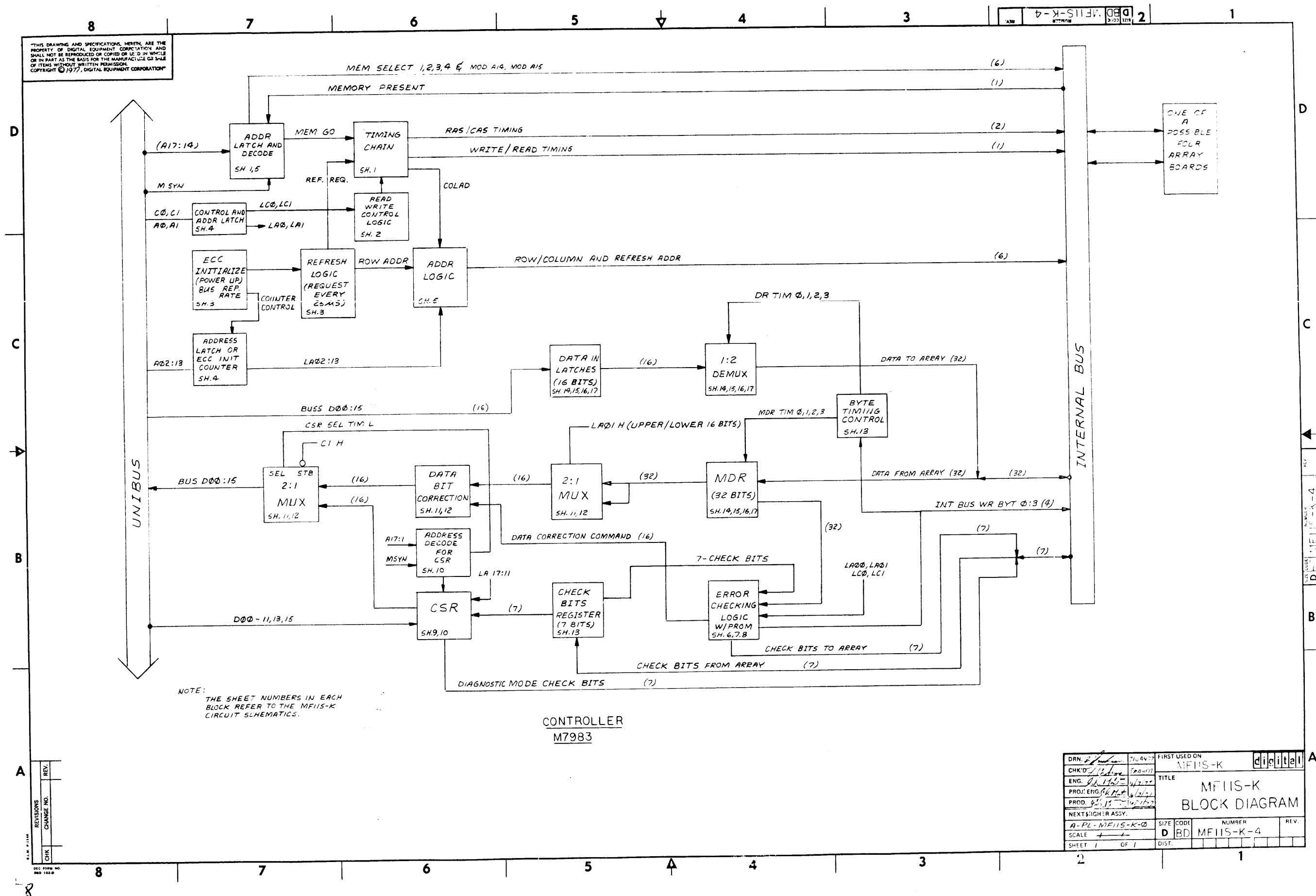


TITLE		SHEET 2 OF 3		SIZE CODE	NUMBER	REV
DRAWING DIRECTORY M11S-K MOS MEMORY SYSTEM				B	M11S-K	*

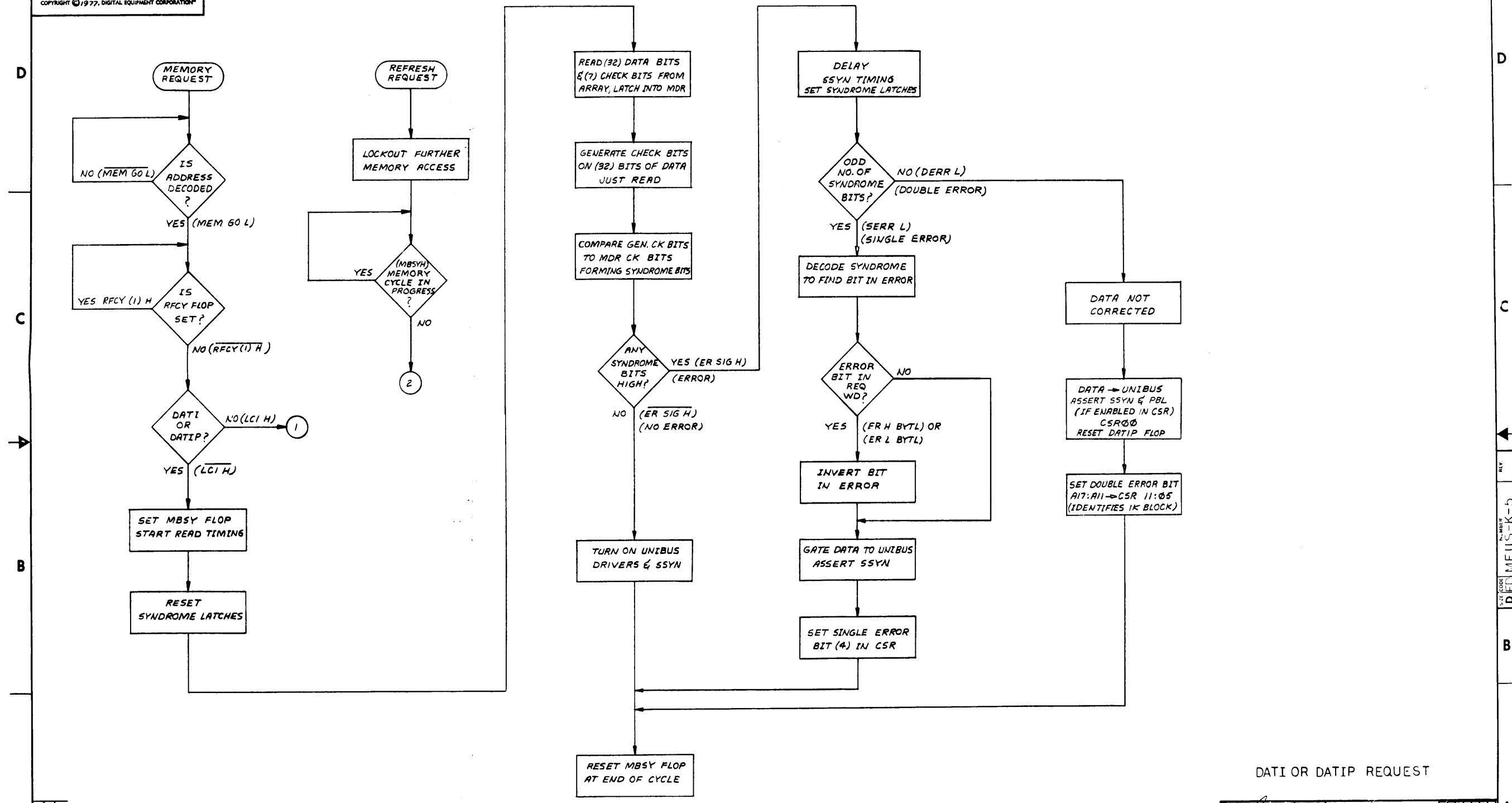
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION															
PARTS LIST					MF11S-KK	MF11S-KF														
MADE BY H.DARAKJIAN		CHECKED <i>F. Carberry</i>		SECTION																
DATE 1 FEB 77		DATE 5 MAY 78		ISSUED SECT.																
ENG <i>G.B. Plante</i>		PROD <i>G.B. Plante</i>																		
DATE 4/2/77		DATE 4/2/77																		
ITEM NO.	DWG NO. / PART NO.		DESCRIPTION																	
1	D-UA-M7984-AA-Ø		MS11-KA (M7984-AA)		1	1														
2	D-UA-M7983-Ø-Ø		MF11S-K CONTROLLER (M7983)		1	1														
3	A-PL-DD11-KK-Ø		DD11-KK (BA11-K, BA11-L)		1	-														
4	A-PL-DD11-KF-Ø		DD11-KF (BA11-F, BA11-P)		-	1														
5	B-CS-G727-Q-1		CARD, GRANT CONTINUITY (G727)		7	7														
6	D-UA-M92Ø2-Ø-Ø		CABLE, UNIBUS JUMPER (M92Ø2)		1	1														
7	D-MU-MF11S-K-2		MF11S-K MODULE UTILIZATION		REF	REF														
8	B-PS-MF11S-K-3		MF11S-K ERROR CHECK CODE		REF	REF														
9	D-BD-MF11S-K-4		MF11S-K BLOCK DIAGRAM		REF	REF														
10	D-FD-MF11S-K-5		MF11S-K FLOW DIAGRAM		REF	REF														
11	A-SP-MF11S-K-6		MF11S-K SYSTEM SPECIFICATION		REF	REF														
12	D-TD-MF11S-K-7		MF11S-K TIMING DIAGRAM		REF	REF														
13	D-TD-MF11S-K-8		MF11S-K TIMING DIAGRAM		REF	REF														
14	D-TD-MF11S-K-9		MF11S-K TIMING DIAGRAM		REF	REF														
15	D-TD-MF11S-K-10		MF11S-K TIMING DIAGRAM		REF	REF														
16	D-SP-23C09B1-O-1		MF11S-K PROM MAP		REF	REF														
17	A-PL-MF11S-K-11		MF11S-K SHIPPING LIST		REF	REF														
TITLE			ASSY NO		SIZE	CODE	NUMBER				REV.	ECO NO.								
MF11S-K MOS MEMORY SYSTEM			P-ØD-MF11S-K		A	PL	MF11S-K-Ø				*									
SHEET 1 OF 1			DIST.																	

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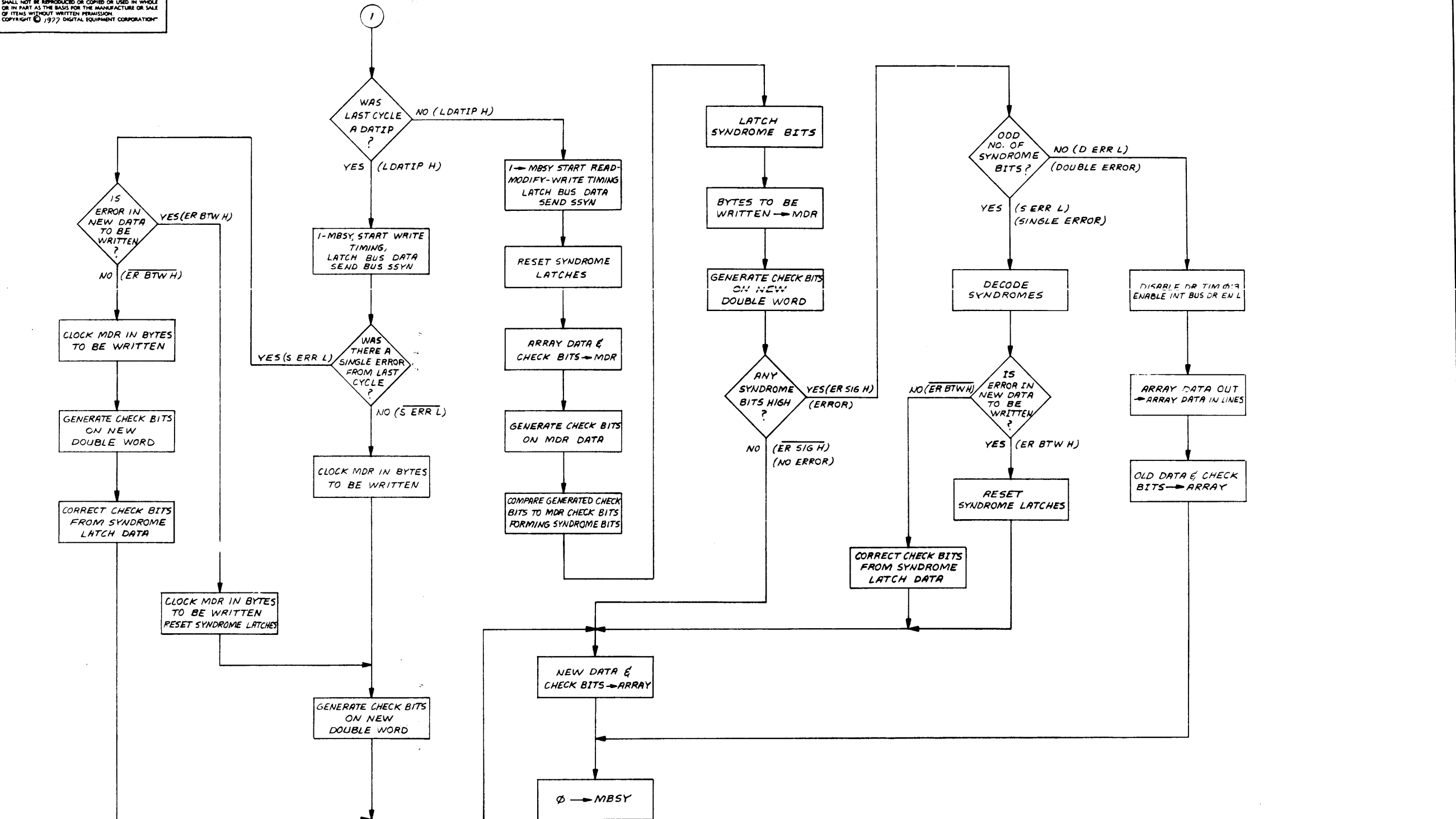


DATI OR DATIP REQUEST

DRN. 7-1111	24 JAN 77	FIRST USED ON	MFIIS-K
CHK'D 7-1111	5 MAR 77	TITLE	MFIIS-K
ENG. 7-1111	4/7/77	FLOW DIAGRAM	
PROD. ENG. 7-1111	4/7/77		
PROD. 7-1111	4/7/77		
NEXT HIGHER ASSY.			
A-FL-MFIIS-K-0		SIZE CODE	NUMBER
SCALE 1		D	FD MFIIS-K-5
SHEET 1 OF 3		REV.	

REV. 1
CHG. 1
DEC 1976
MFIIS-K-5

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REVISIONS		
CHK	CHANGE NO.	REV.

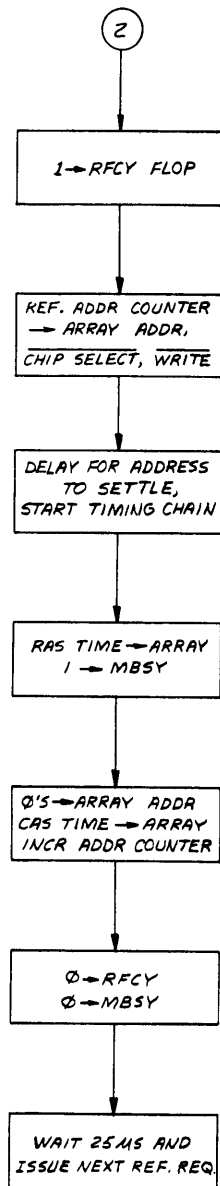
DATO OR DATOB REQUEST

TITLE		SIZE CODE	NUMBER	REV.
MFIIS-K-5 FLOW DIAGRAM		D FD	MFIIS-K-5	
SCALE		SHEET 2 OF 3	DIST.	

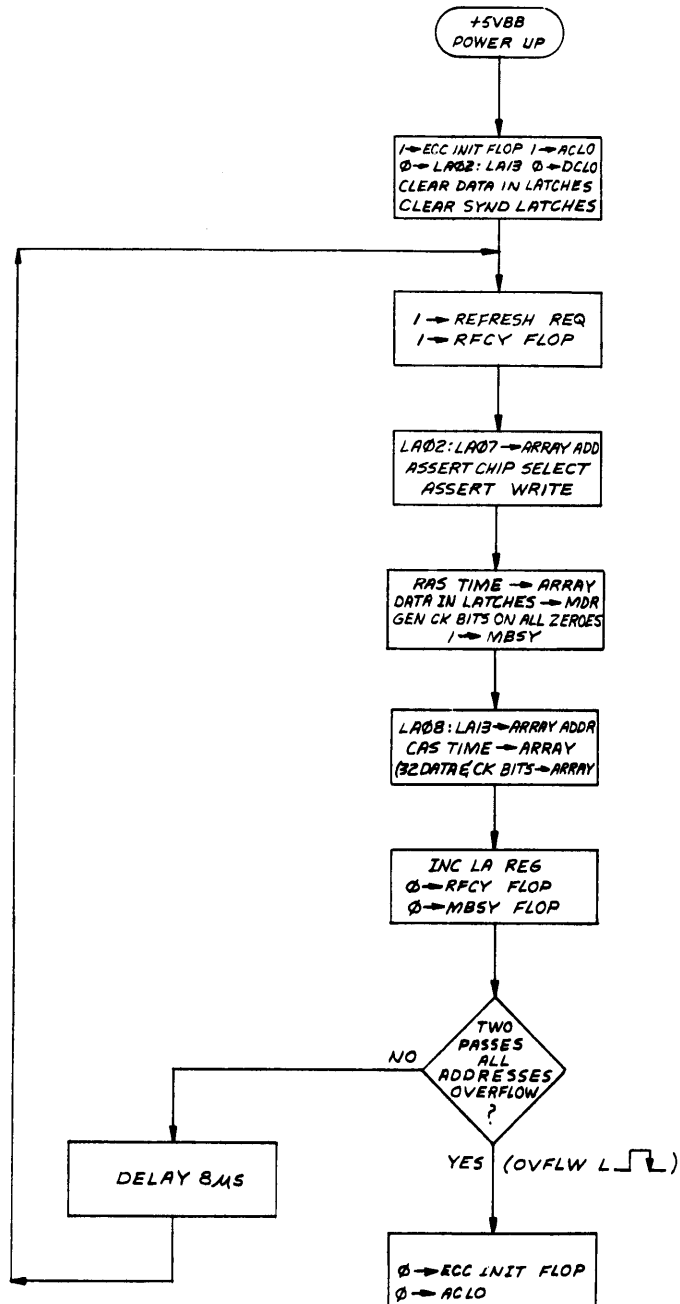
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13002 02-5
D F D MFIIS-K-5

REFRESH CYCLE



ECC INIT CYCLE



REFRESH CYCLE
OR ECC INIT

MFIIS-K
FLOW DIAGRAM

SIZE CODE
D F D MFIIS-K-5

REV.

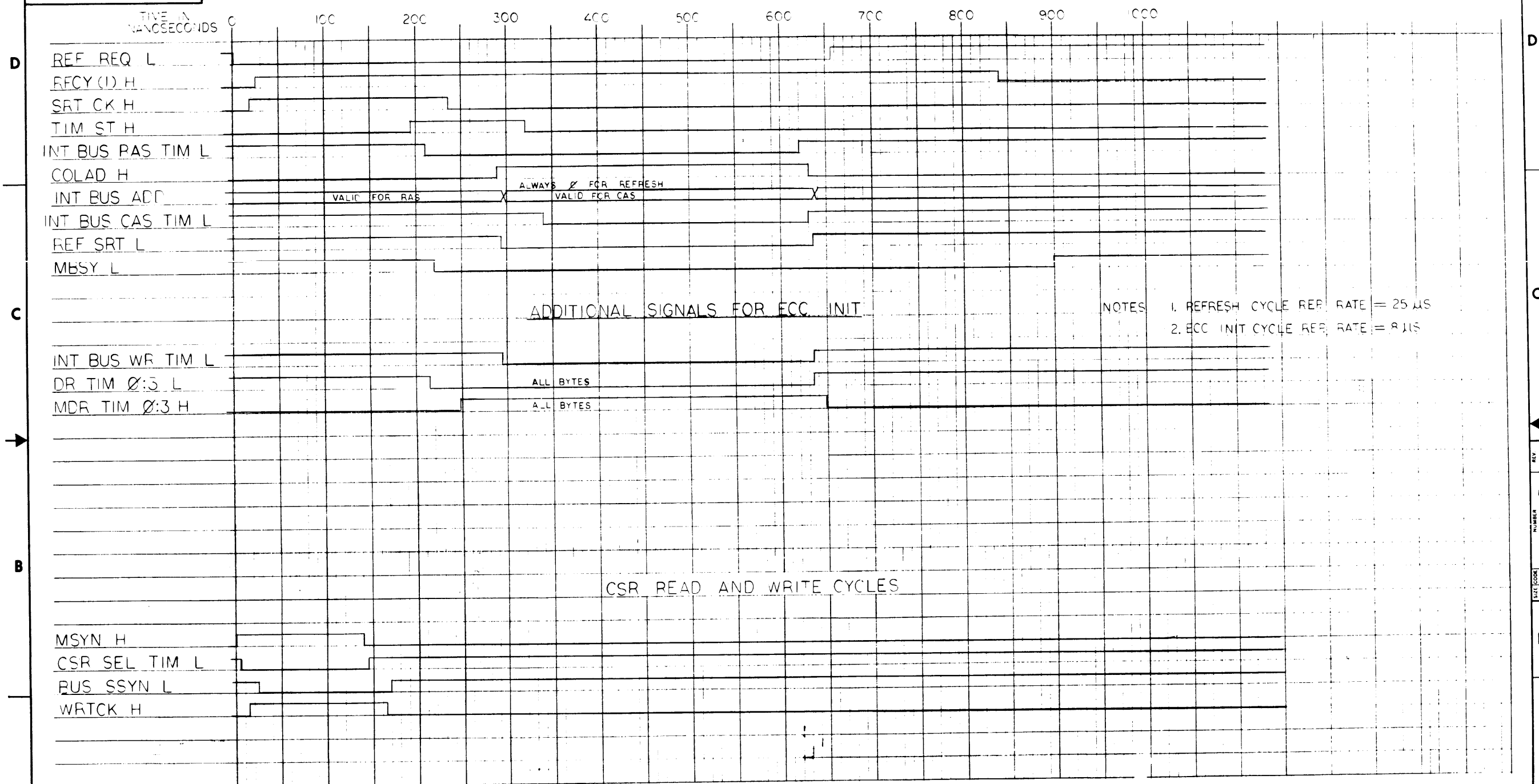
SCALE 1/16" = 1" SHEET 3 OF 3

DIST.

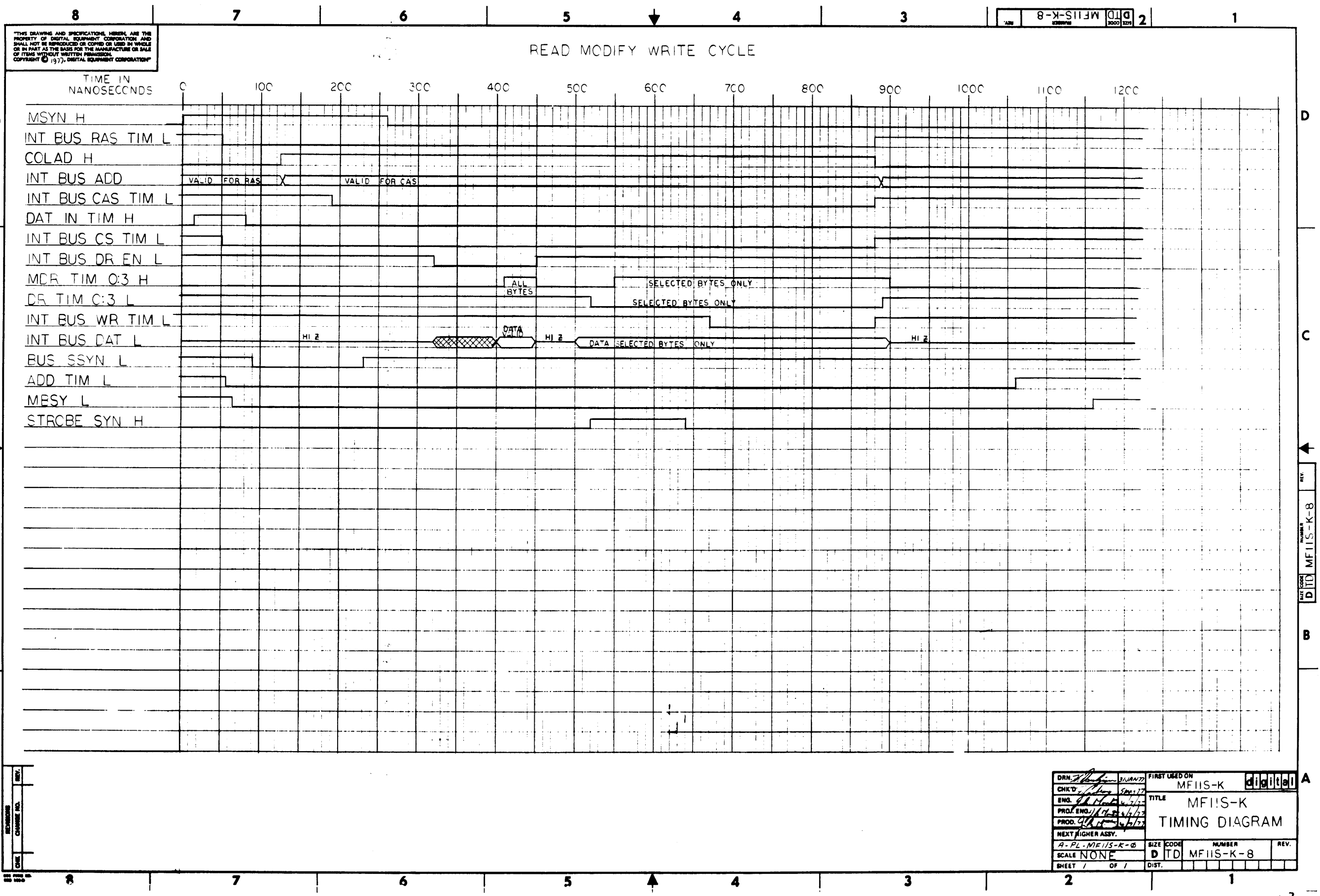
REV.

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REFRESH AND ECC INIT CYCLES

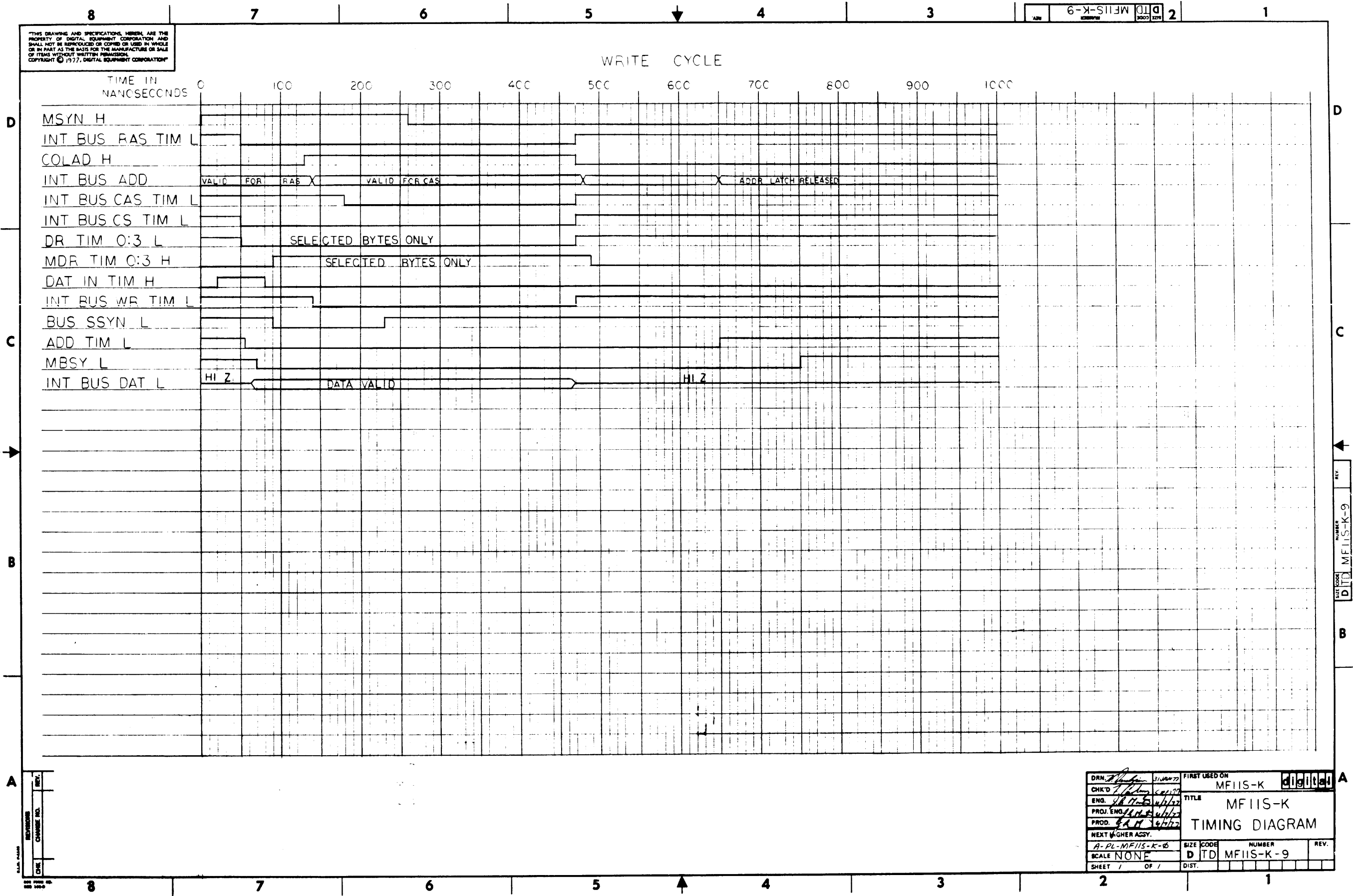


DRN. 2106	3/1/80/77	FIRST USED ON	MFIIS-K
CHK'D 2106	5/1/80/77	TITLE	MFIIS-K
ENG. 2106	4/1/80/77		TIMING DIAGRAM
PROD. ENG. 2106	4/1/80/77		
PROD. 2106	4/1/80/77		
NEXT HIGHER ASSY.			
Q-PL-MFIIS-K- ϕ		SIZE CODE	NUMBER
SCALE NONE		D TD	MFIIS-K-7
SHEET 1	OF 1	DIST.	



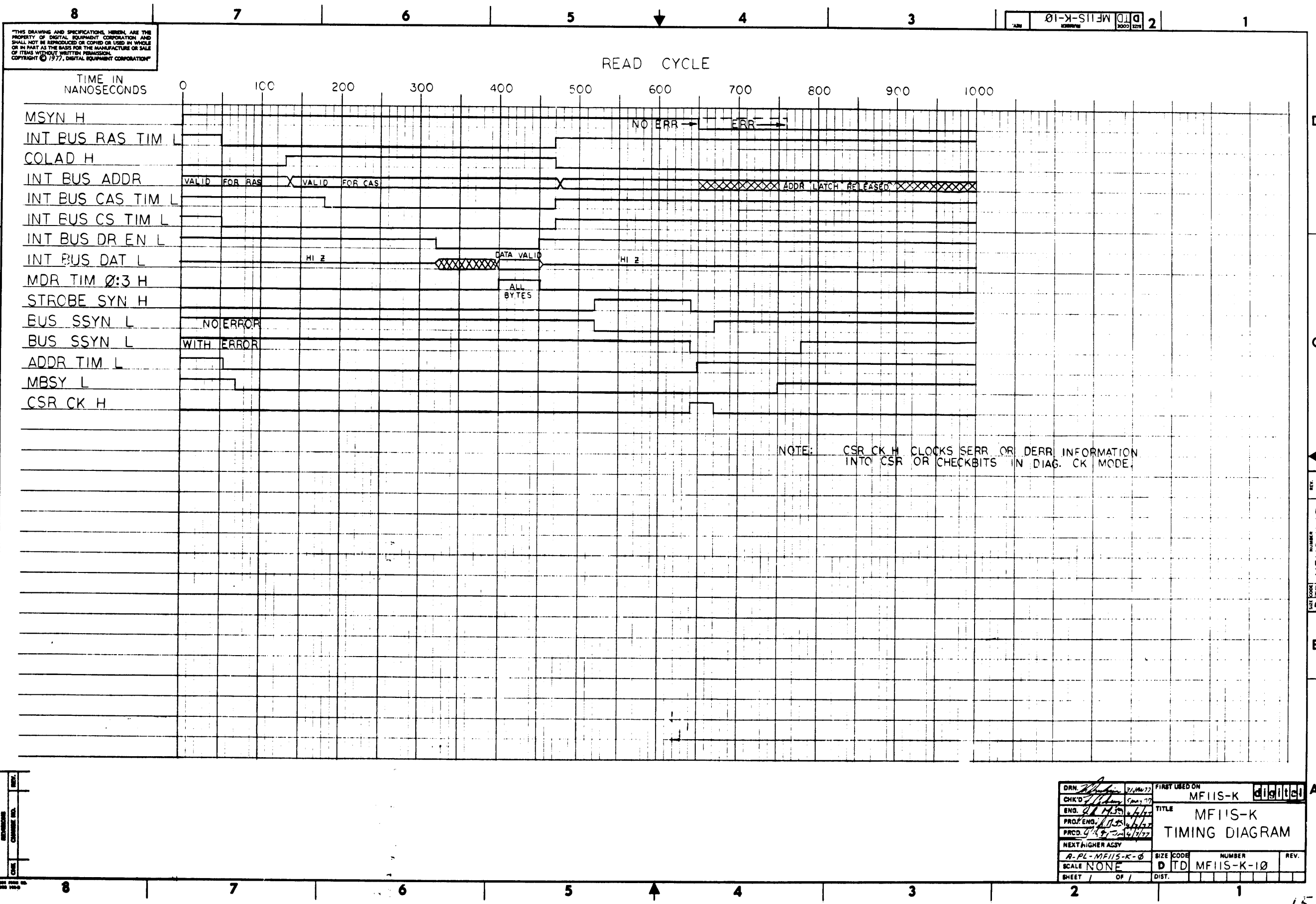
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WRITE CYCLE



REVISIONS
CHARGE NO.
ONE

DRN. <i>[Signature]</i>	3/10/77	FIRST USED ON	MFIIS-K
CHK'D <i>[Signature]</i>	3/10/77	TITLE	MFIIS-K
ENG. <i>[Signature]</i>	3/10/77	TIMING DIAGRAM	
PROJ. ENG. <i>[Signature]</i>	3/10/77	SIZE CODE	D TD
PROD. <i>[Signature]</i>	3/10/77	NUMBER	MFIIS-K-9
NEXT HIGHER ASSY.	A-PL-MFIIS-K-8	REV.	
SCALE	NONE	DIST.	
SHEET	1	OF	1



16

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:					
PARTS LIST														USED ON: OPTION / MODEL					
MADE BY R. Given		CHECKED J. Boorman		SECTION 1															
DATE 1/17/77		DATE 14 FEB 77																	
ENG J. E. Minton		PROD J. E. Minton		ISSUED SECTION 1															
DATE 3/29/77		DATE 3/29/77																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF												REF DESIGNATION			
	D-CS-M7983-0-1		CIRCUIT SCHEMATIC	REF															
	D-UA-M7983-0-0		UNIT ASSEMBLY	REF															
	B-DD-M7983-0		DWG DIRECTORY	REF															
	D-MD-5012163-0-0		DRILL & ETCH DRAWING	REF															
1		10-01610-01	CAP .01 UF 100V 20% DISC	85												C4 thru C16, C21, C24 thru C36, C40, C41, C43, C47 thru C52, C57 thru C66, C68 thru C74, C78 thru C82, C95, C100 thru C102, C105 thru C107, C110 thru C114, C122 thru C125, C208, C300 thru C309			
2		10-12084-01	CAP 8.0 UF 25V, -10 TO +75% AL EL	6												C142 thru C147			
3		10-00015-00	CAP 82 PF 100V 5% DM	3												C202 thru C204			
4		10-00025-00	CAP 560 PF 100V 5% DM	4												C200, C201, C206, C207			
5		10-12121-00	CAP 220 PF 100V 5% DM	5												C205, C209 thru C212			
6		11-10324-00	DIODE, LED	1												D1			
7		11-04860-00	DIODE, 1N746A	1												D2			
8		19-11469-00	I.C. 8640	7												E89, E98, E107, E77, E114, E115, E124			
9		19-11579-00	I.C. 8641	4												E42, E51, E52, E53			
10		19-09713-00	I.C. 8815	2												E49, E109			
11		19-09705-00	I.C. 8881	2												E88, E122			
12		19-10649-00	I.C. 8885	3												E101, E127, E129			
13		19-13462-00	I.C. 746240	4												E10, E12, E19, E29			
14		19-10532-00	I.C. 74S00	9												E2, E105, E40, E60, E75, E87, E119, E126, E130			
15		19-12799-00	I.C. 74LS00	3												E103, E128, E110			
ECO. NO.																			
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				MF11S-K CONTROLLER				D-UA-M7983-0-0				B		PL		M7983-0-0		C	
								SHEET 1 OF 4				INSERTION PARTS LIST DATA BASE REV C							

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:					
PARTS LIST														USED ON: OPTION/MODEL MS11-K					
MADE BY R. Given		CHECKED G. Eocsmann		SECTION 1															
DATE 1/17/77		DATE 14 FEB 77																	
ENG J. B. Manton		PROD J. L...		ISSUED SECTION 1															
DATE 3/29/77		DATE 3/29/77																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												REF DESIGNATION				
16		19-12801-00	I.C. 74LS02	1											E92				
17		19-10533-00	I.C. 74S03	1											E131				
18		19-10534-00	I.C. 74S04	5											E1, E76, E83, E121, E125				
19		19-12803-00	I.C. 74LS04	1											E112				
20		19-12389-00	I.C. 74S08	1											E86				
21		19-10536-00	I.C. 74S10	3											E78, E102, E28				
22		19-10539-00	I.C. 74S20	1											E82				
23		19-10878-00	I.C. 7427	1											E111				
24		19-10542-00	I.C. 74S64	1											E94				
25		19-10544-00	I.C. 74S74	3											E96, E106, E120				
26		19-12824-00	I.C. 74LS74	5											E61, E84, E97, E104, E118				
27		19-09050-00	I.C. 7475	1											E91				
28		19-09932-00	I.C. 7483A	1											E20				
29		19-11983-00	I.C. 74S133	2											E108, E117				
30		19-12125-00	I.C. 74S135	9											E36, E38, E39, E46, E47, E57, E58, E64, E65				
31		19-11675-00	I.C. 74S138	2											E67, E68				
32		19-11676-00	I.C. 74S139	1											E30				
33		19-10547-00	I.C. 74S153	4											E70, E71, E81, E95				
34		19-10655-00	I.C. 74157	10											E3, E7, E37, E56, E63, E72, E73, E85, E34, E62				
35		19-10548-00	I.C. 74S157	1											E100				
36		19-10652-00	I.C. 74174	3											E31, E32, E33				
E.C.O. NO.																			
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								SHEET 2 OF 4				INSERTION PARTS LIST DATA PAGE REV C							

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON: OPTION/MODEL MS11-K			
MADE BY R. Given		CHECKED <i>D. Bosman</i>		SECTION 1													
DATE 1/17/77		DATE 14 FEB 77															
ENG <i>J. B. Montan</i>		PROD <i>J. Lin</i>		ISSUED SECTION 1													
DATE 3/29/77		DATE 3/29/77															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												REF DESIGNATION		
37		19-10957-00	I.C. 74S175	12											E9,E11,E13,E14,E21,E22,E23,E24,E41,E44, E48,E59		
38		19-12853-00	I.C. 74LS175	1											E74		
39		19-10035-00	I.C. 74197	3											E90,E99,E116		
40		19-12857-00	I.C. 74LS197	2											E80,E123		
41		19-13777-00	I.C. 74LS240	2											E45,E55		
42		19-11573-00	I.C. 74S280	11											E4,E5,E6,E15,E16,E17,E25,E26,E27,E35,E79		
43		19-11271-00	I.C. 74298	2											E43,E54		
44		23-009B1	I.C. 74S471	1											E66		
			I.C. SPARE	5											E50,E8,E18,E69,E93.		
45		16-10662-00	INDUCTOR 100 UH	1											L1		
46		16-11243-00	DELAY LINE 250NS TAPPED	4											DL1 thru DL4		
47		13-02124-00	RES. 18 1/4W 5% CC	3											R29,R34,R35		
48		13-00229-00	RES. 100 1/4W 5% CC	6											R17,R18,R42 thru R45		
49		13-01322-00	RES. 180 1/4W 5% CC	4											R19,R22,R23,R25		
50		13-01972-00	RES. 270 1/4W 5% CC	4											R20,R21,R24,R26		
51		13-00295-00	RES. 330 1/4W 5% CC	1											R28		
52		13-00309-00	RES. 390 1/4W 5% CC	1											R32		
53		13-00316-00	RES. 470 1/4W 5% CC	1											R7		
54		13-01890-00	RES. 560 1/4W 5% CC	1											R27		
55		13-00447-00	RES. 4.7K 1/4W 5% CC	19											R1 thru R4, R6,R9,R11 thru R15,R30,R33, R36 thru R41		
56		13-00488-00	RES. 12K 1/4W 5% CC	1											R10		
ECO. NO.																	
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EN-01140A-16-R276(325) DRB 125				SHEET 3 OF 4				INSERTION PARTS LIST DATA BASE REV C									

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

USED ON: OPTION/MODEL
MS11-K

MADE BY R. Given
DATE 1/17/77

CHECKED *P. Borman*
DATE *14 FEB 77*

SECTION

ENG *J. L. Mantor*
DATE *3/29/77*

DATE	7/29/77
PROD	7 L
DATE	7/29/77

ISSUED SECTION

REF DESIGNATION

R5
R8, R31

Q1
S1

W1
R16
E113

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
57		13- ~~0~~ 2514- ~~00~~	RES. 39K $\frac{1}{4}$ W 5% CC RES. SPARE
58		15- ~~0~~ 31 ~~00~~ - ~~00~~	TRANSISTOR 3009B
59		12-11164- ~~00~~	SWITCH, DIP 4 POS.
60		12-1 ~~0~~ 711- ~~02~~	HANDLE, HEX
61		~~90-00024-01~~	EYELET
62		5012163	ETCH CIRCUIT BOARD
63		90-09185-00	WIRE, JUMPER, INS.
64		13- ~~00~~ 271-00	RES. 220, $\frac{1}{4}$ W, 5% CC
65		19-11113-00	IC 1138 ~~0~~
66		91- ~~0~~ 574 ~~0~~ -55	WIRE, #3 ~~0~~ AWG, GRN

11

1

1

1

12

1

11

11

1-

A/R

E.C.O. NO.

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TITLE

MFLIS-K CONTROLLER

ASSY NO.

D-4A-M7983-0-0

	SIZE
Small	8-9
Medium	10-11
Large	12-14
X-Large	16-18
XX-Large	20-22

B

CODE

PL

NUMBER

M7983-Ø-Ø

REV.

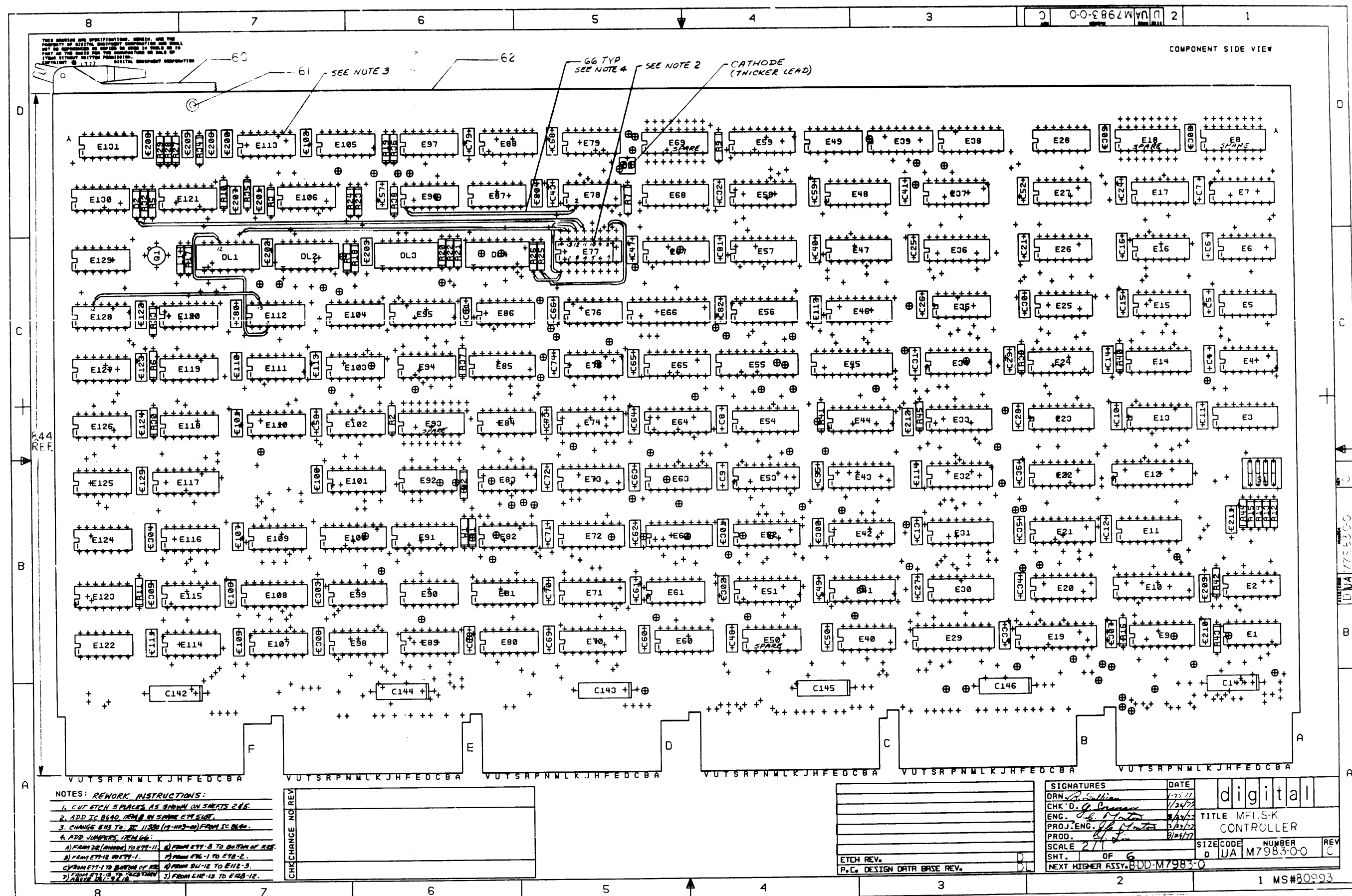
C

SHEET 4 OF 4

INSERTION PARTS LIST DATA BASE REV C

EN-01140A-16-R276(325)

DRB 125

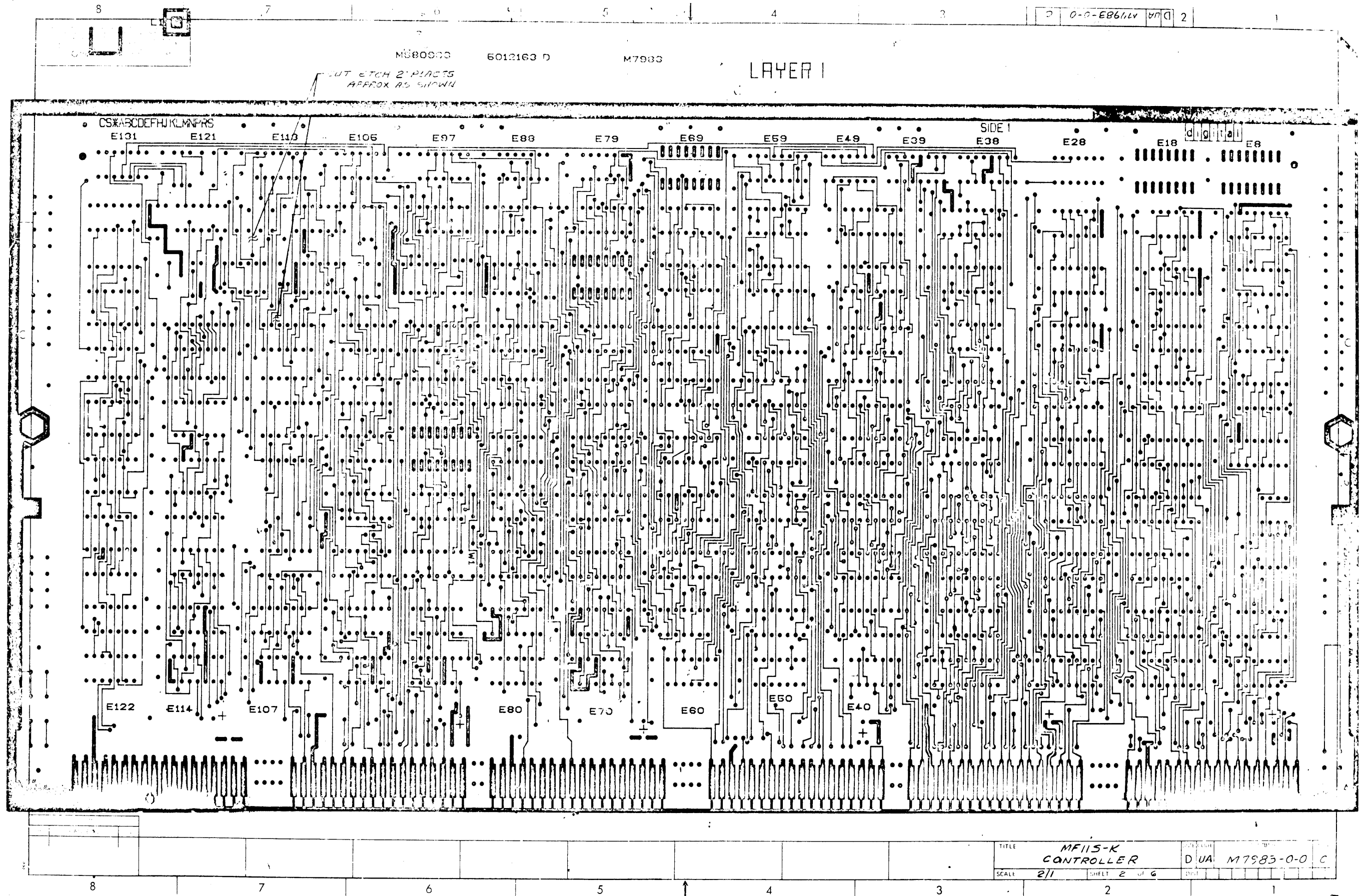


NOTES: RERWORK INSTRUCTIONS:
1. CUT ETCH SPACES AS SHOWN ON SHEETS 2-6.
2. ADD IC 8440, 11300 IN SPARE ETCH SLOT.
3. CHANGE E83 TO: IC 11300 (11-11300-00) FROM IC 8440.
4. ADD JUMPER, ITEM 66:
A) FROM 28 (ANODE) TO E77-11. B) FROM E77-8 TO BOTTOM OF RES.
C) FROM E77-12 TO E77-1. D) FROM E76-1 TO E78-2.
E) FROM E77-1 TO BOTTOM OF RES. F) FROM DL1-12 TO E112-3.
G) FROM E77-13 TO E78-12. H) FROM E112-15 TO E112-12.
I) FROM E112-15 TO E112-12.

CHANGE NO	REV

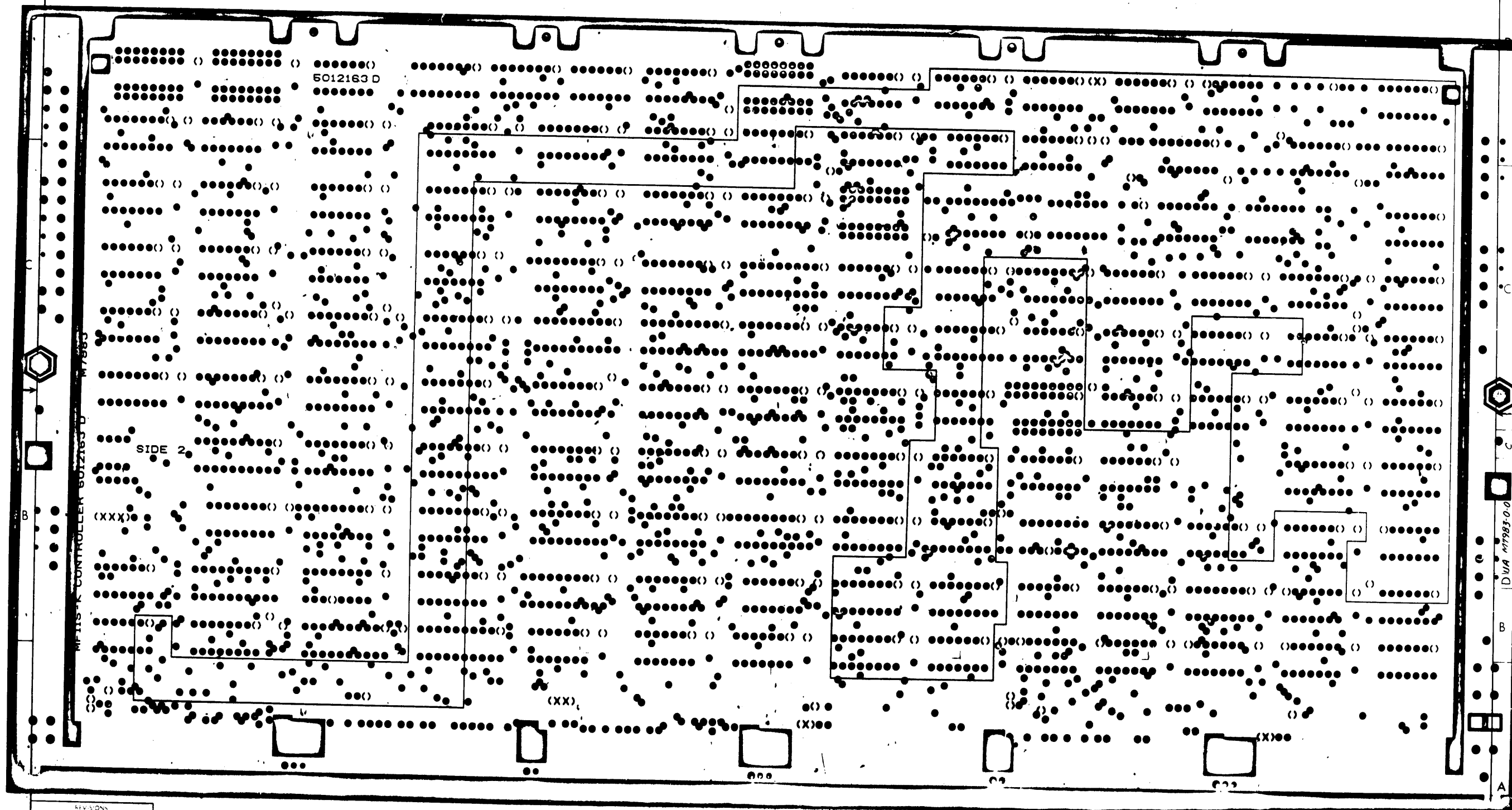
ETCH REV.	
P.C. DESIGN DATA BASE REV.	

SIGNATURES		DATE	digital
DRN: R. Sullivan		7-25-77	
CHK'D: G. Brennan		7-24-77	TITLE MFI-S-K CONTROLLER
ENG: J. J. [Signature]		7-24-77	
PROJ. ENG: J. J. [Signature]		7-24-77	SIZE CODE NUMBER D UA M7983-0-0
PROD: J. J. [Signature]		7-24-77	
SCALE 271		OF 6	REV C
SHT. 1		OF 6	
NEXT HIGHER ASSY: BDD-M7983-0			



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0-0-EB6LW DUA 2 L3



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV
MF115-K CONTROLLER		DUA	M7983-0-0	C
SCALE	B/1	SHEET	4 OF 6	DIST

8340J

ETCH 3 PLACES
APPROX AS SHOWN

MF11S-K CONTROLLER 5012163 D M7983

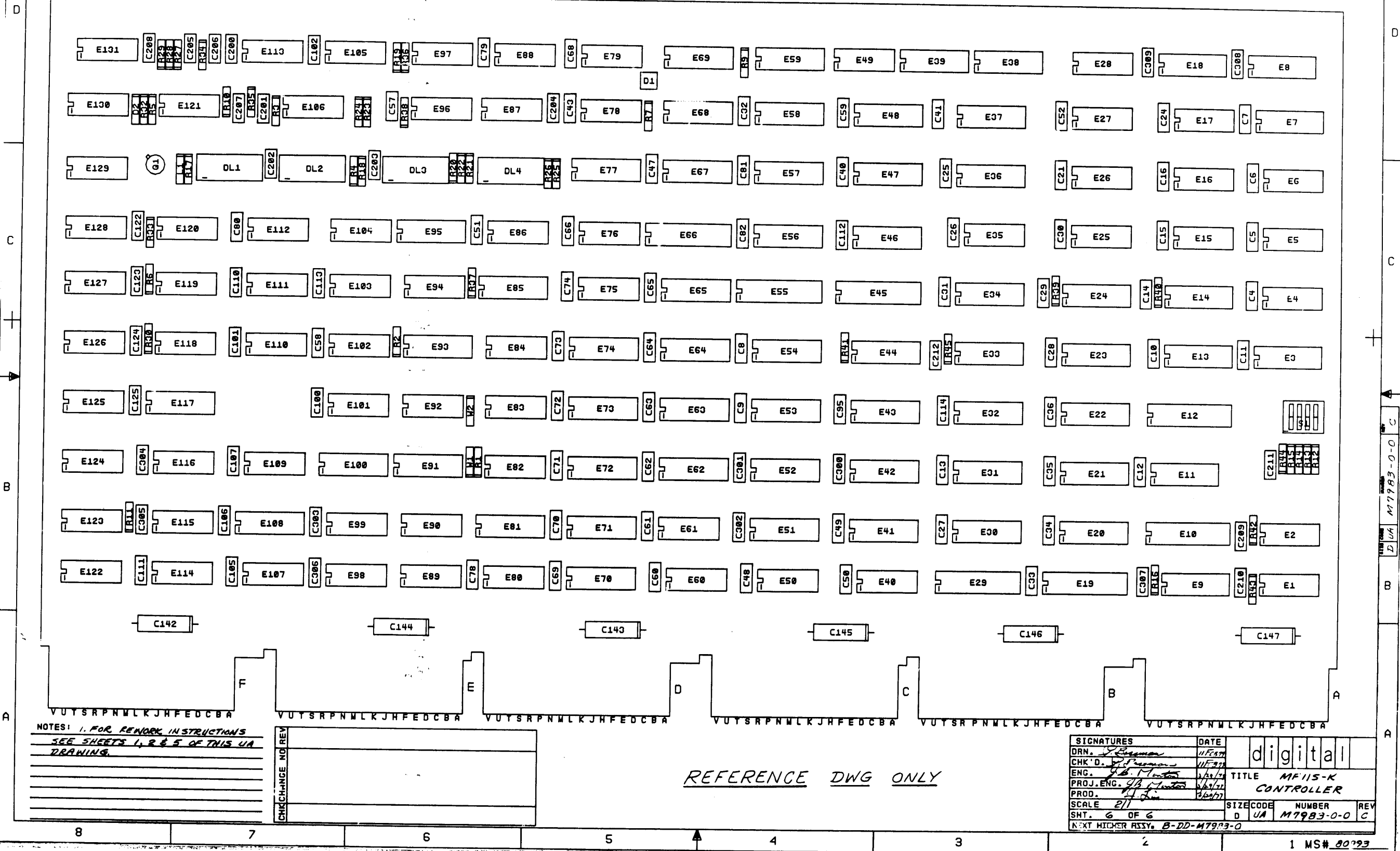
SIDE 2

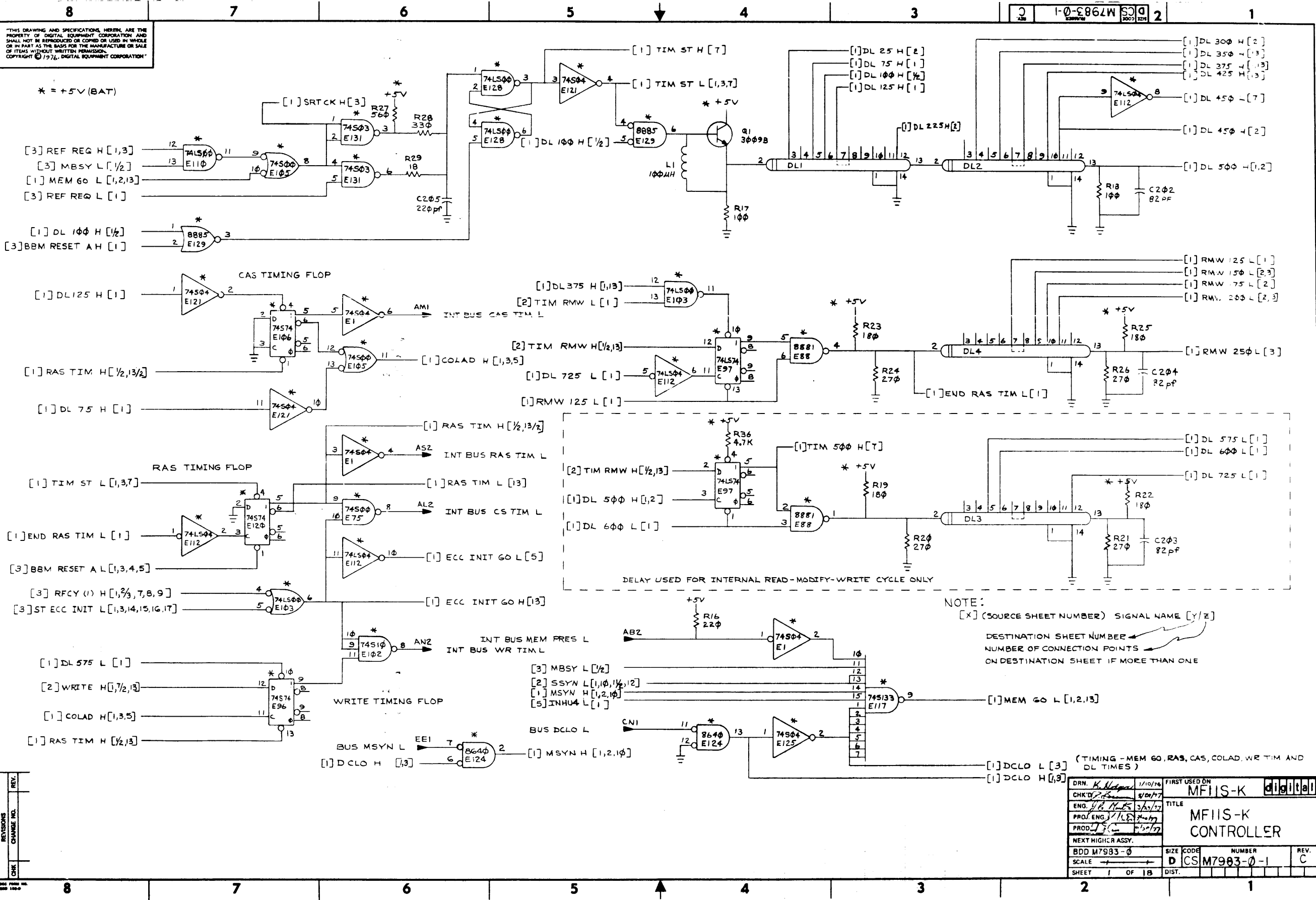
MF11S-K
CONTROLLER

D 4A 17993-D-C

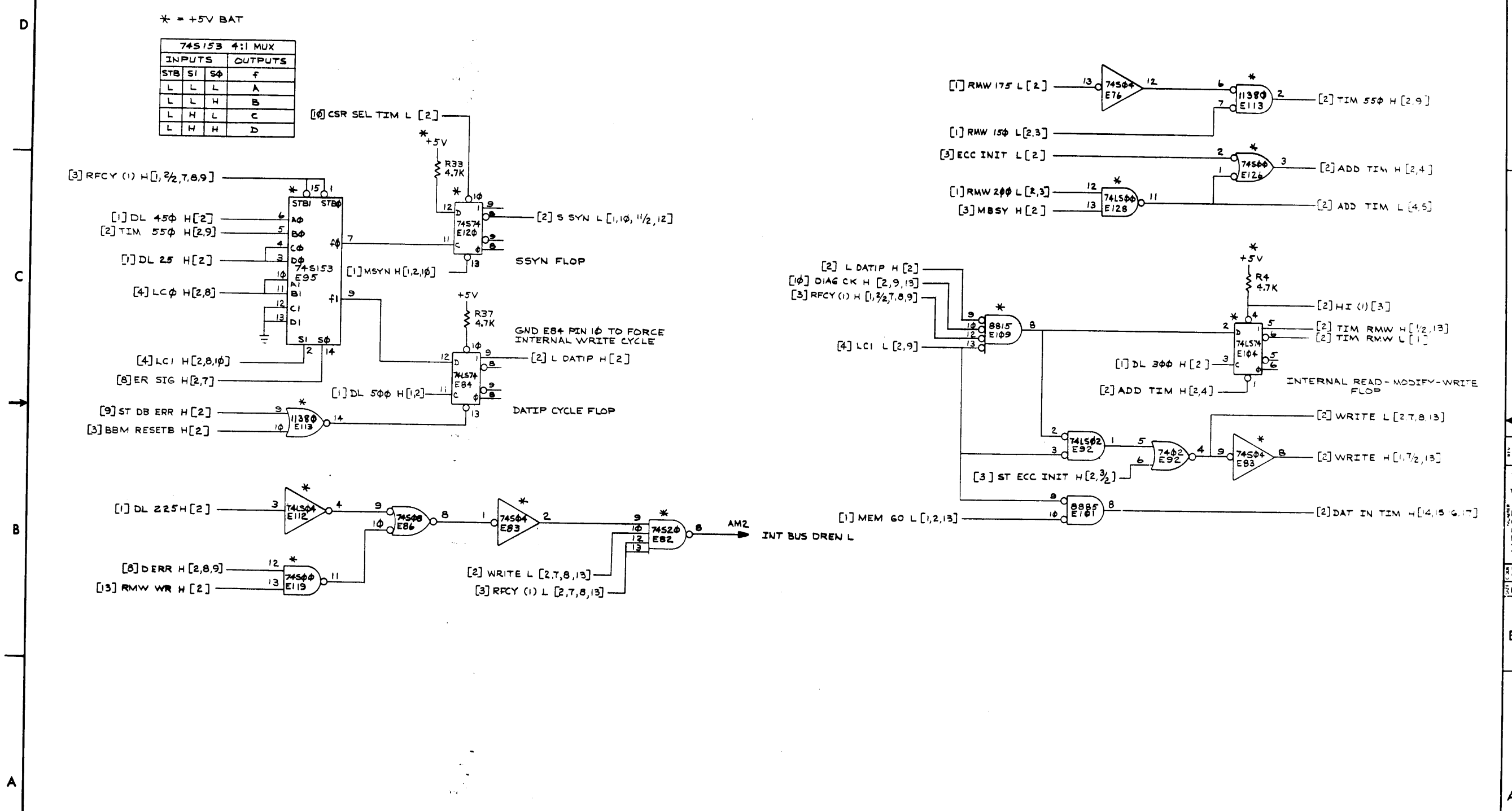
211 5

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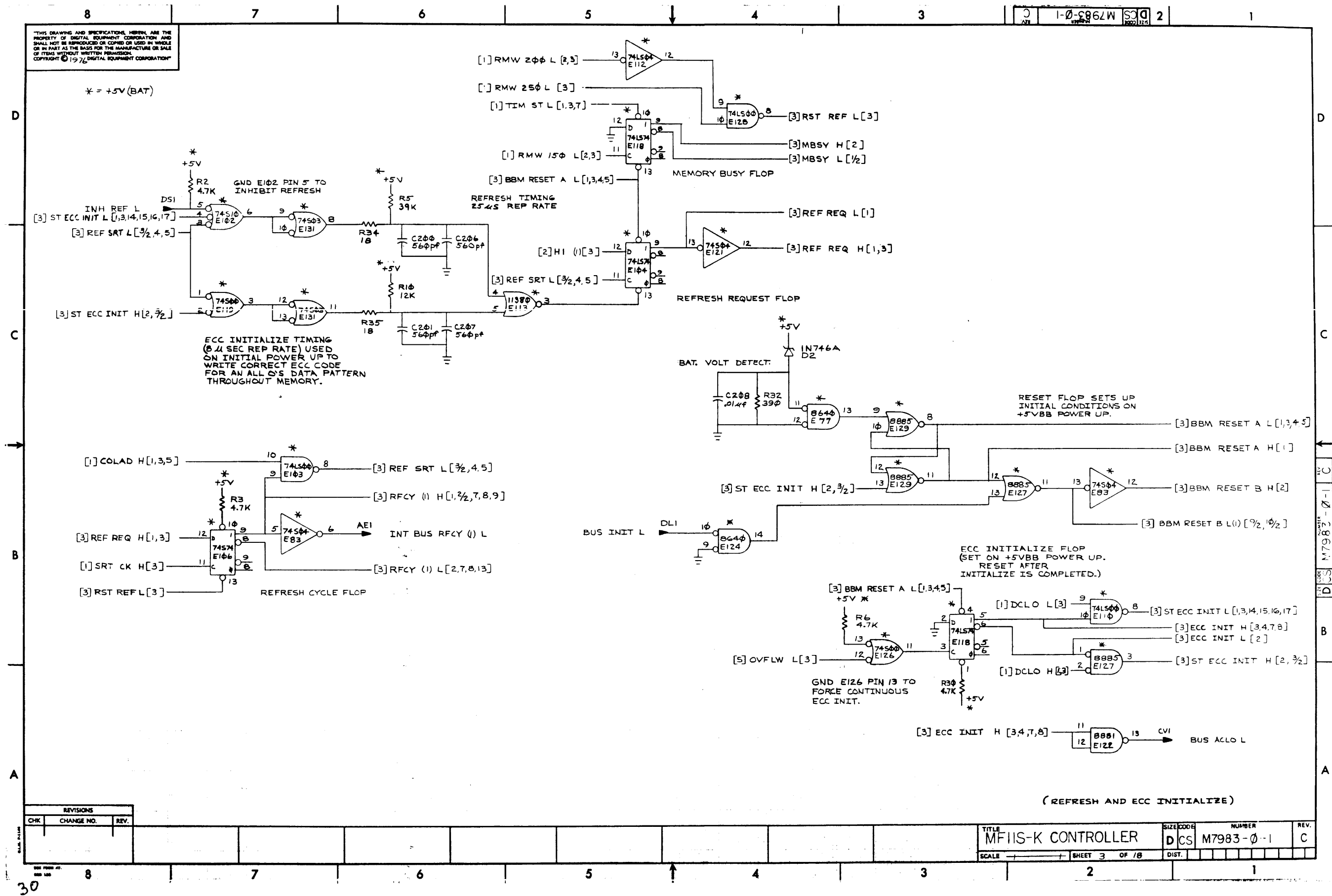




74S153 4:1 MUX			
INPUTS			OUTPUTS
STB	S1	S0	F
L	L	L	A
L	L	H	B
L	H	L	C
L	H	H	D

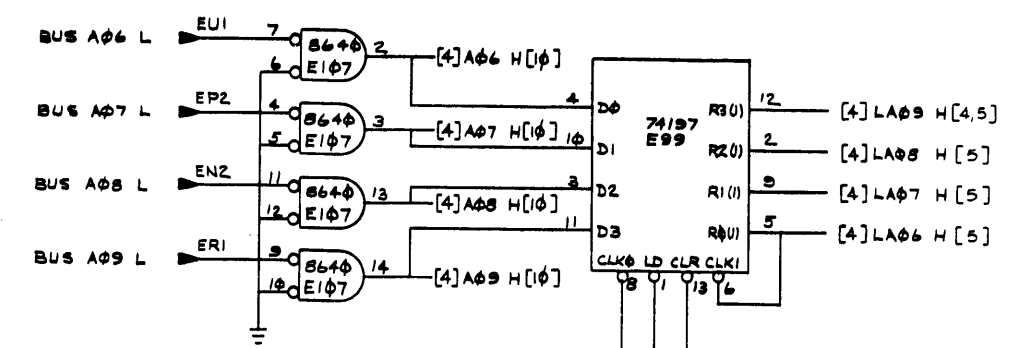
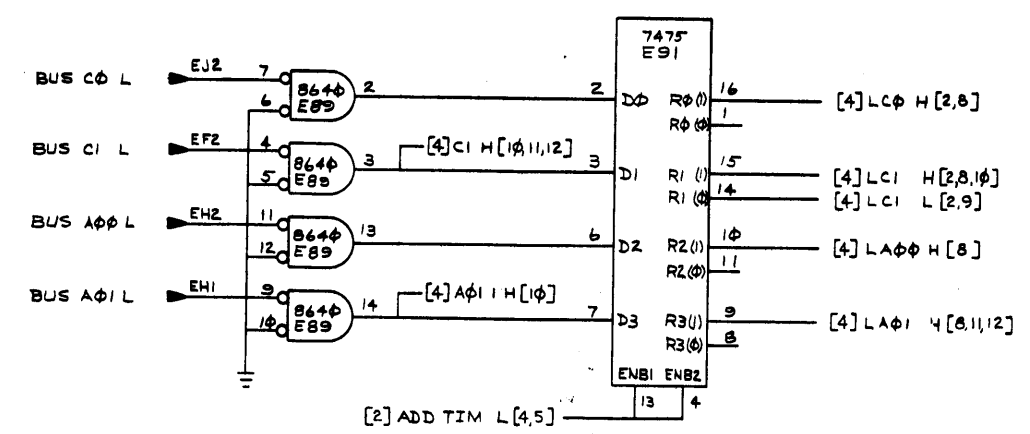


(TIMING - MSYN, SSYN, WRITE AND DATIP)

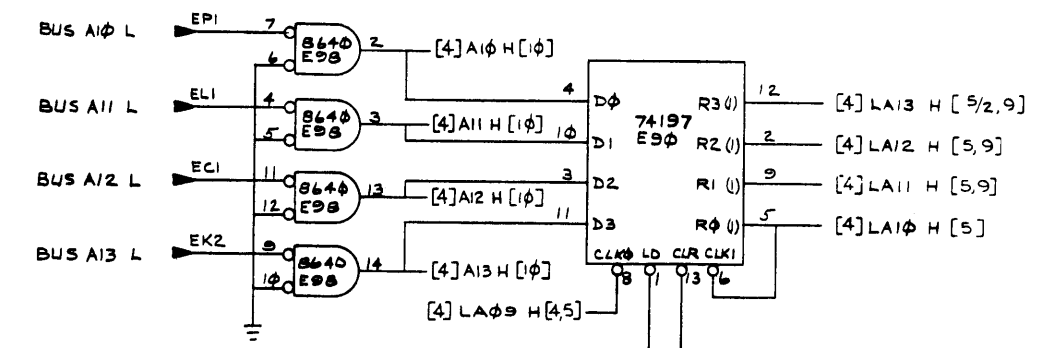
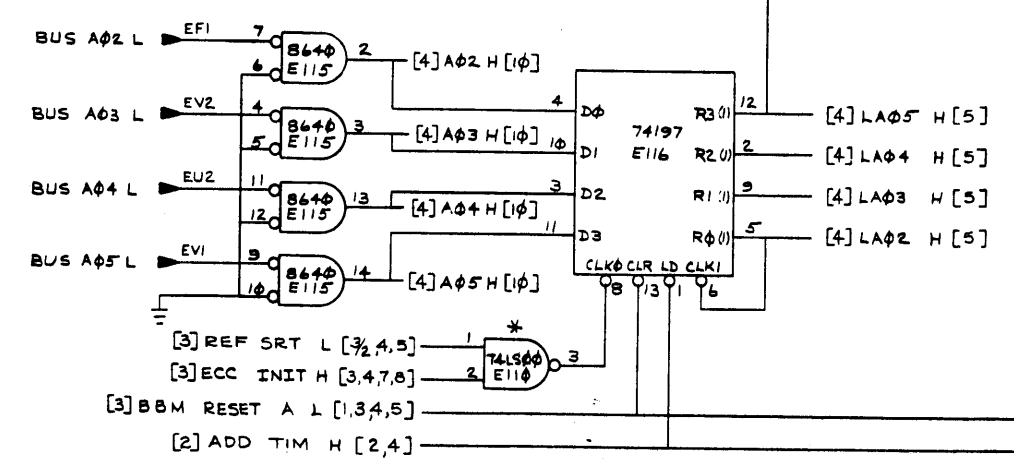


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* = +5V (BAT)



E90, E99, E116
USED AS TRANSPARENT LATCHES IN
NORMAL RUNNING MODE OR AS ADDRESS
COUNTER DURING ECC INITIALIZE

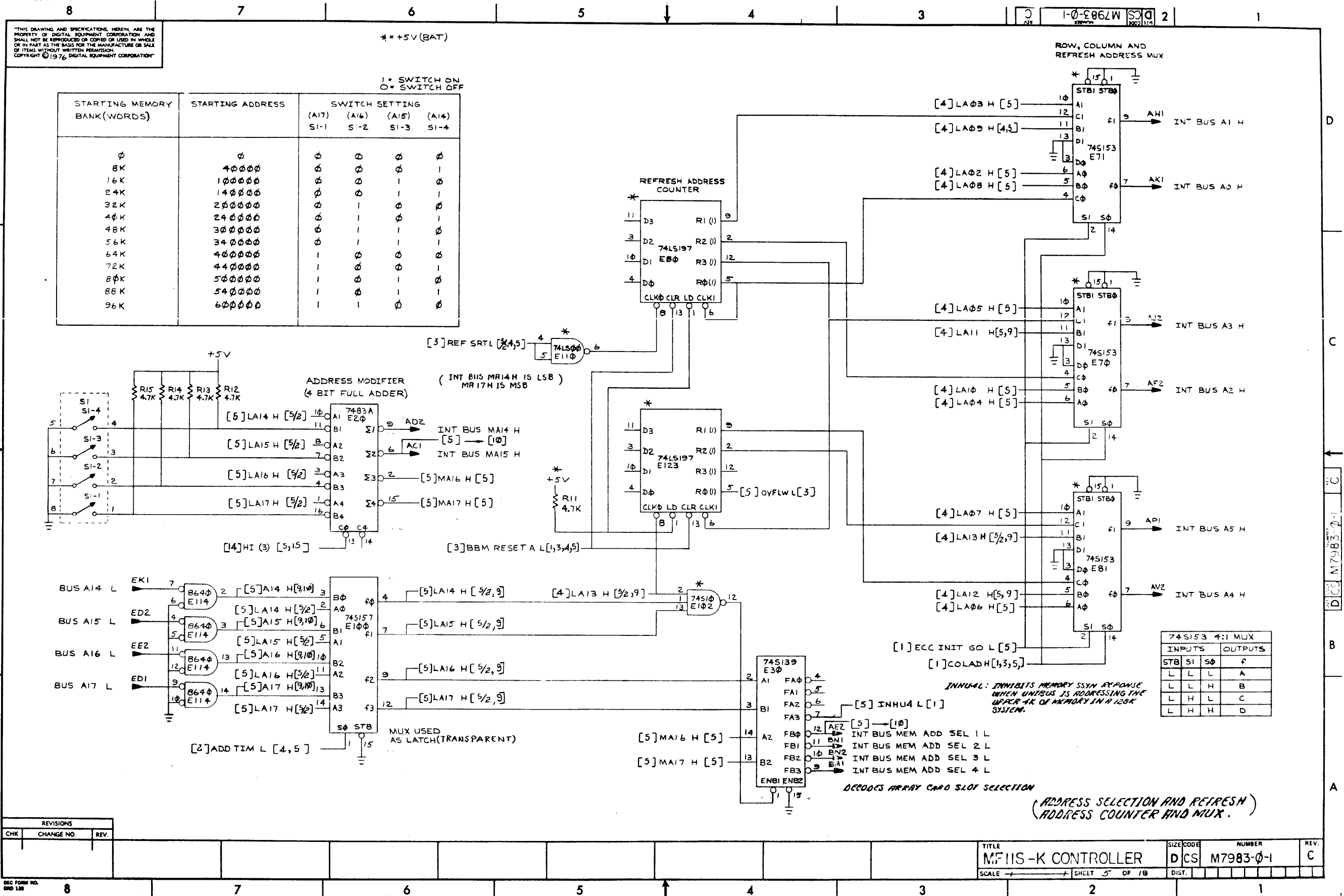


(ADDRESS BUFFER LATCHES BITS 0 THRU 13)

REVISIONS		
CHK	CHANGE NO.	REV.

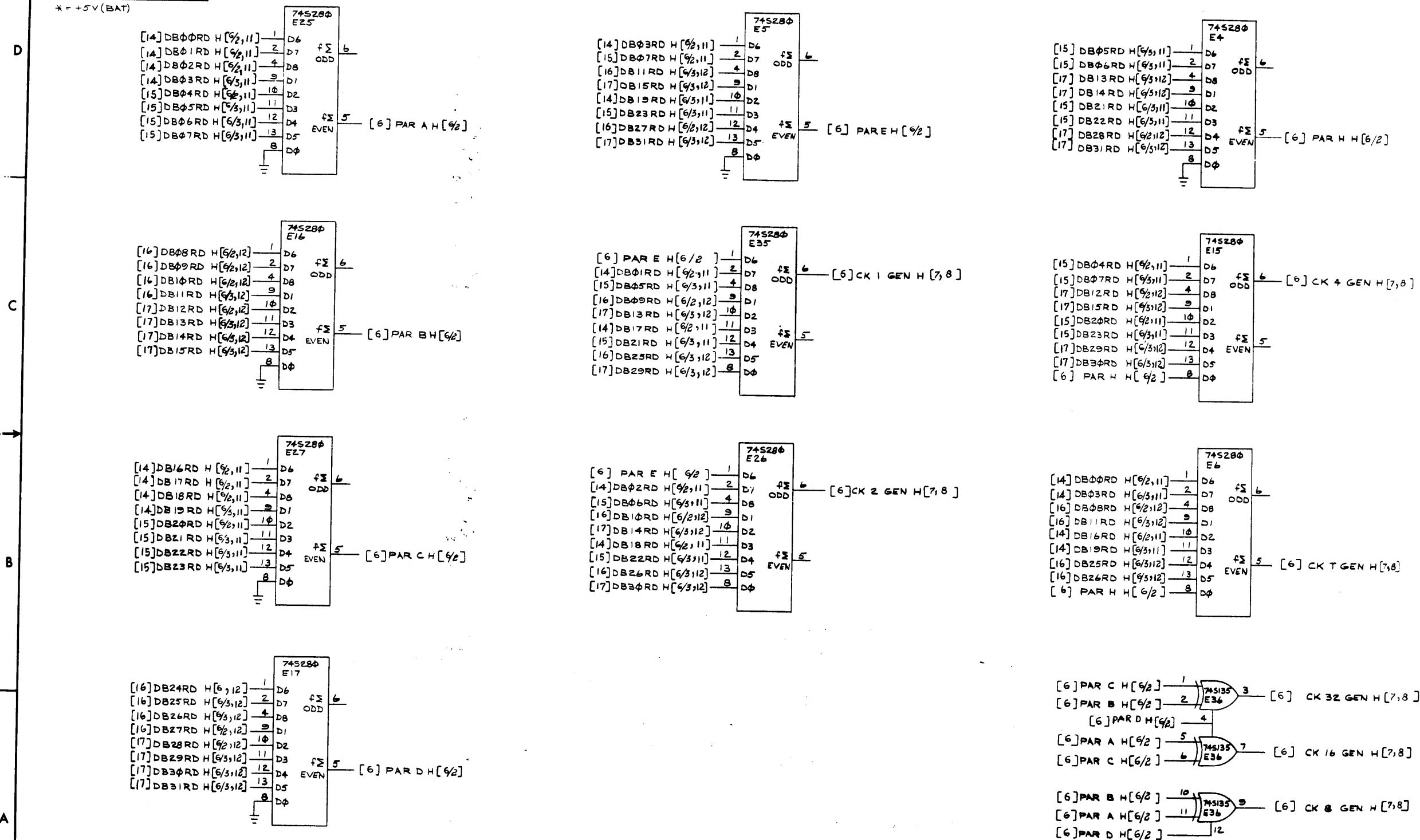
DEC FORM NO.
ORD 138

TITLE		SIZE CODE	NUMBER	REV.
MFIIS-K CONTROLLER		DCS	M7983-0-1	C
SCALE		SHEET	4 OF 18	DIST.



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* = +5V (BAT)



(CHECK BIT GENERATION)

REVISIONS													TITLE	SIZE CODE	NUMBER	REV.
CHK	CHANGE NO.	REV.											MFIIS-K CONTROLLER	DCS	M7983-01	C
													SCALE	SHEET 6 OF 18	DIST.	

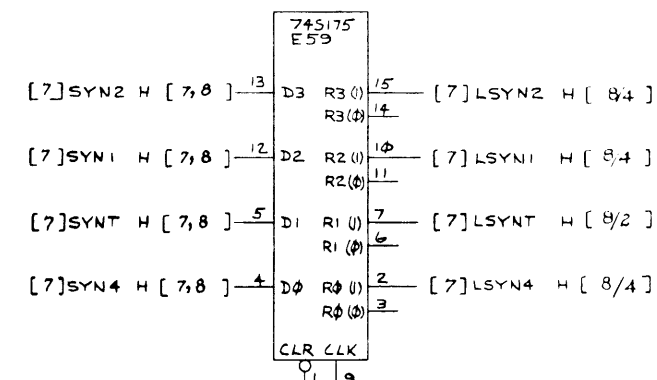
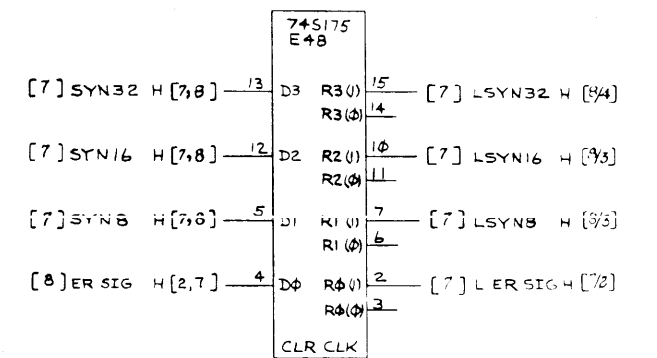
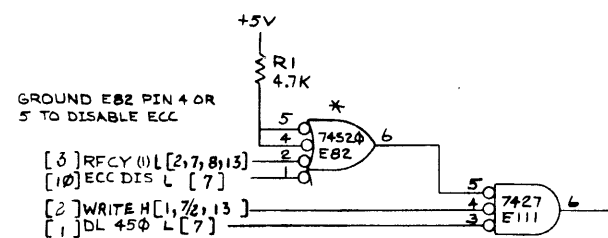
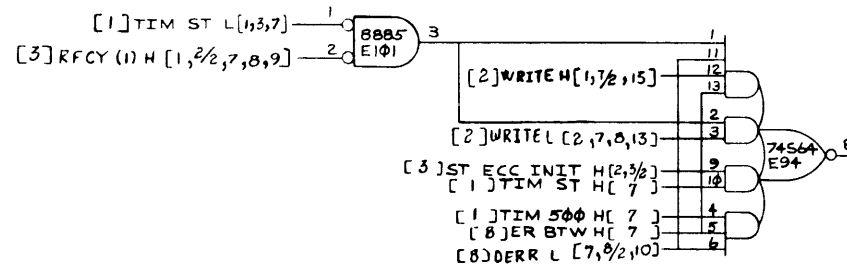
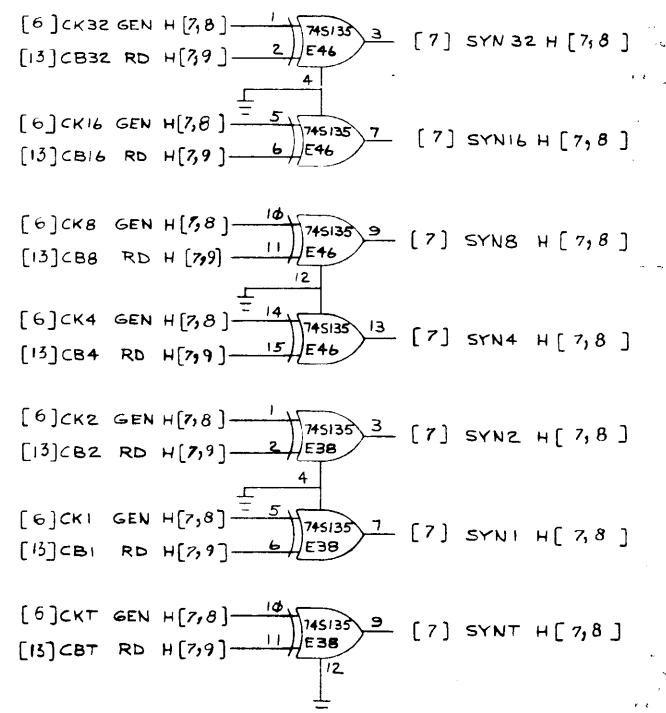
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* = +5V (BAT)

(REFERENCE INFORMATION)

1. CHECK BITS 1,2,4,8,16,32 ARE ODD PARITY.
2. CHECK BIT 7 IS EVEN PARITY.
3. CHECK BIT CODE FOR DATA - ZEROES IS CK 1,2,4,8,16,32 = 1'S, CK 7 = 0

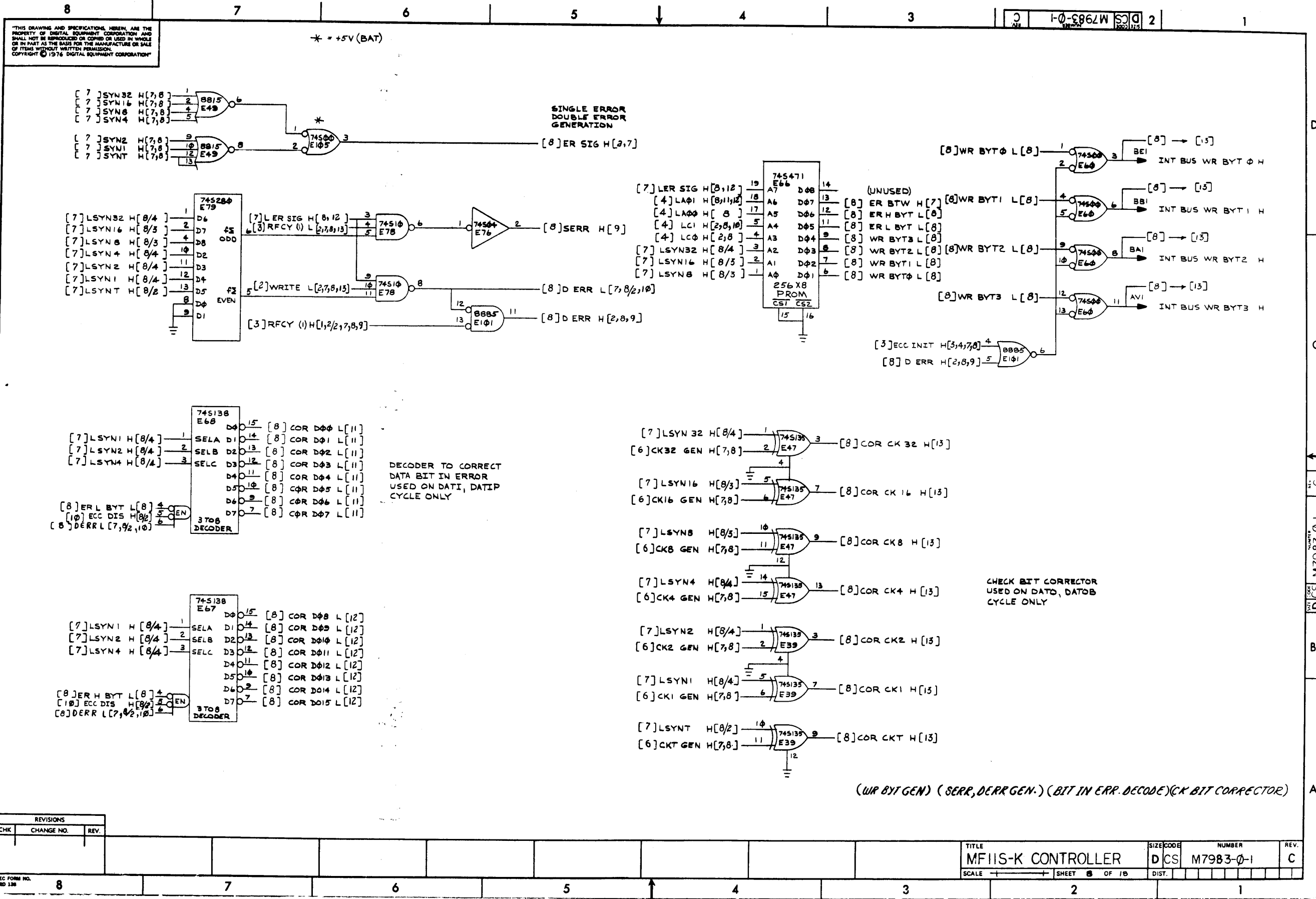
SYNDROME GENERATION
ON CHECK BIT COMPARE



(SYNDROME GENERATION AND LATCHES)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MFIIS-K CONTROLLER		D CS	M7983-0-1	C
SCALE		SHEET 7 OF 18	DIST.	



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CONTROL AND STATUS REGISTER

* = +5V (BAT)

+5V
R7 470
DI (DOUBLE ERROR INDICATOR)

(REFERENCE INFORMATION FOR SHEET 9 AND SHEET 10)

- IF CSR02H (DIA CHK A) = 0 AND A DOUBLE ERROR OCCURRED THEN A11 - A17 → CSR5 - CSR11. THIS INFORMATION IDENTIFIES THE 1K SEGMENT IN WHICH THE ERROR OCCURRED.
- IF CSR02H = 1 AND CYCLE = DAT0, DAT0B THEN CSR5 - CSR11 → CHECK BITS IN MOS ARRAY.
- IF CSR02H = 1 AND CYCLE = DAT1, DAT1P THEN MOS ARRAY CHECK BITS → CSR5 - CSR11.
- WHEN CSR13H = 1
 - IF CSR03H = 0, THEN MODES CSR01H AND CSR02H ARE DISABLED IN THE FIRST 16K.
 - IF CSR03H = 1, THEN MODES CSR01H AND CSR02H ARE DISABLED IN THE SECOND 16K.
- ON +5VB8 OR INIT COMMAND 0 → CSR01, 2, 3, 4, 13, 15.
- CSR00H = 1 ENABLES BUS PBL ON A DOUBLE ERROR.
- CSR BITS 12 AND 14 ARE UNUSED AND ALWAYS READ AS ZERO.

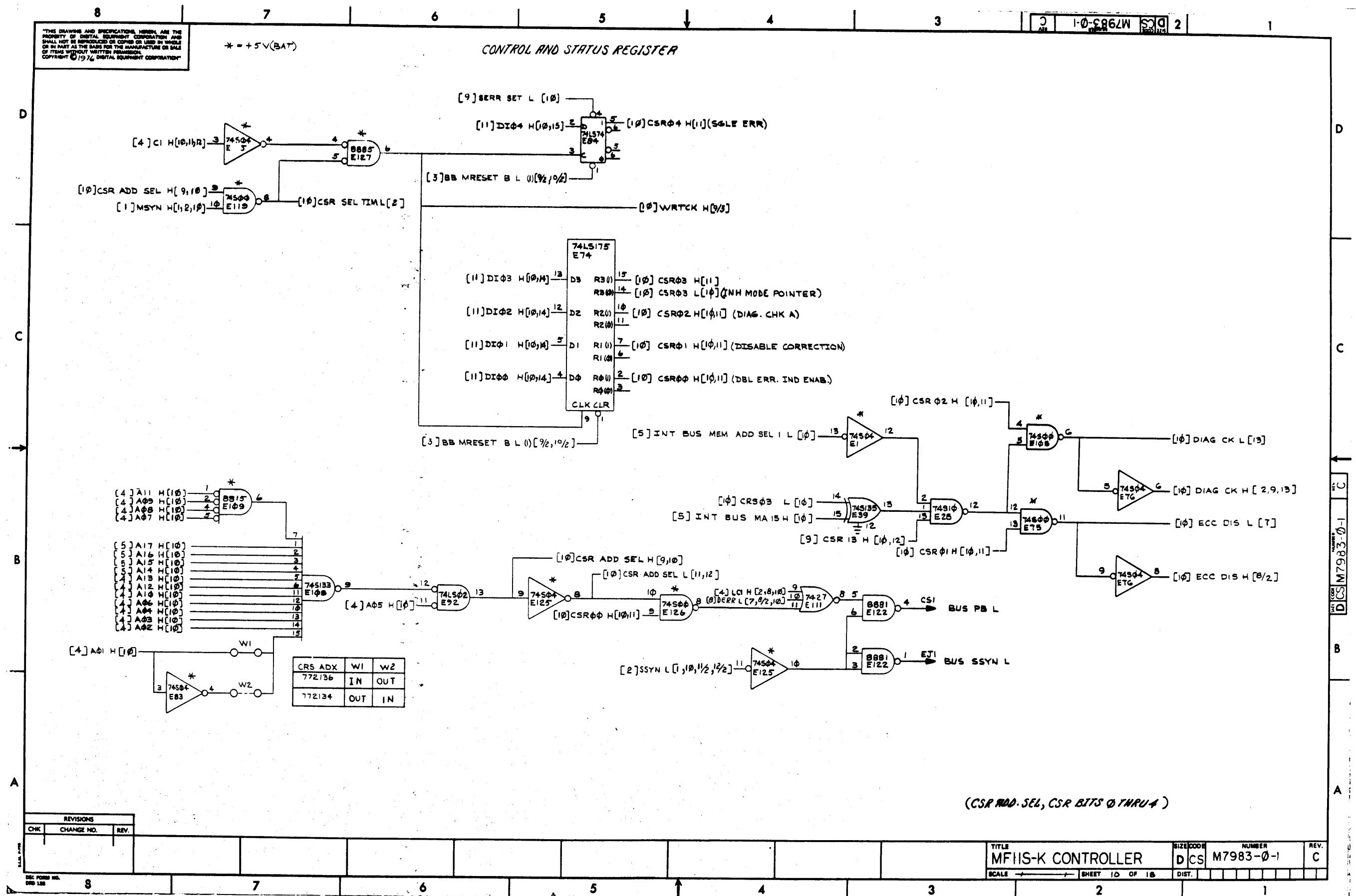
74157 2:1 MUX		
INPUTS	OUTPUTS	
STB	SΦ	F
L	L	A
L	H	B

74298 MUX WITH STORAGE		
INPUTS	OUTPUTS	
WORD SELECT	CLOCK	R0() R1() R2() R3()
L	↓	A1 B1 C1 D1
H	↓	A2 B2 C2 D2

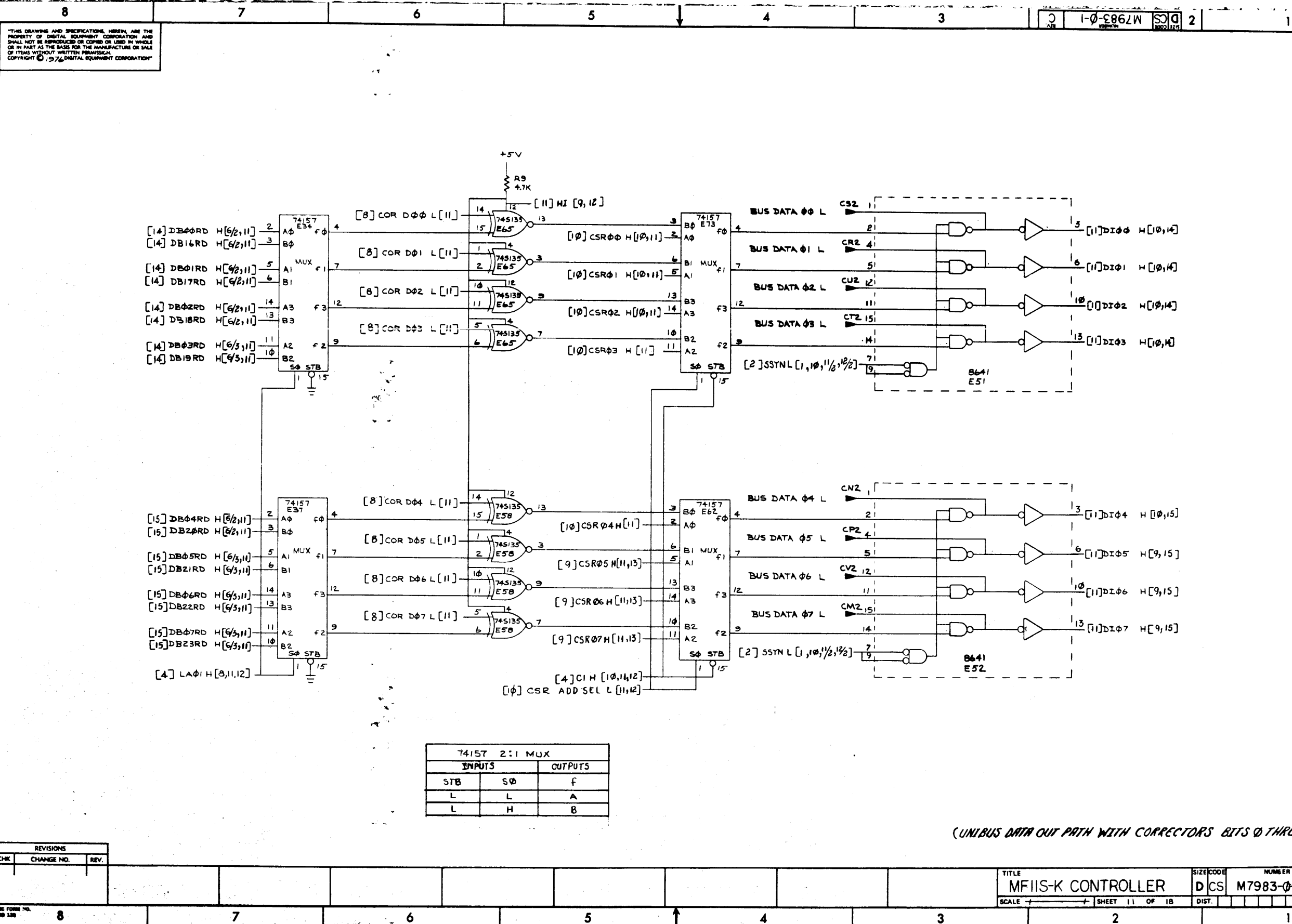
(CSR BITS 5 THRU 15)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MFIIS-K CONTROLLER		D CS	M7983-0-1	C
SCALE		SHEET 9 OF 18		DIST.



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(UNIBUS DATA OUT PATH WITH CORRECTORS BITS 0 THRU 7)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
MF11S-K CONTROLLER	D CS	M7983-01	C
SCALE	SHEET 11 OF 18	DIST.	

REV. C
M7983-01
D CS

A

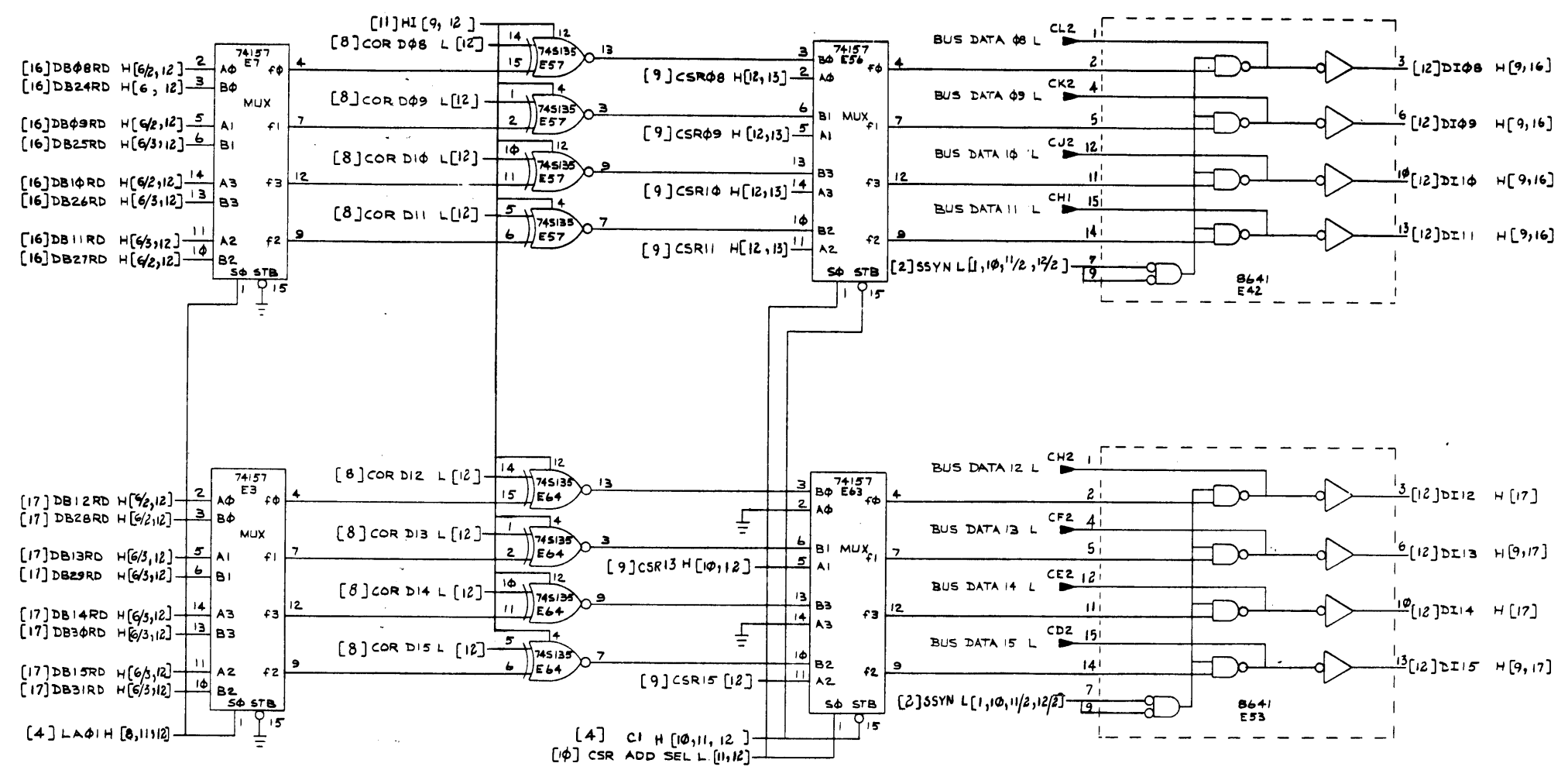
B

C

D

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1-0-88627W 2



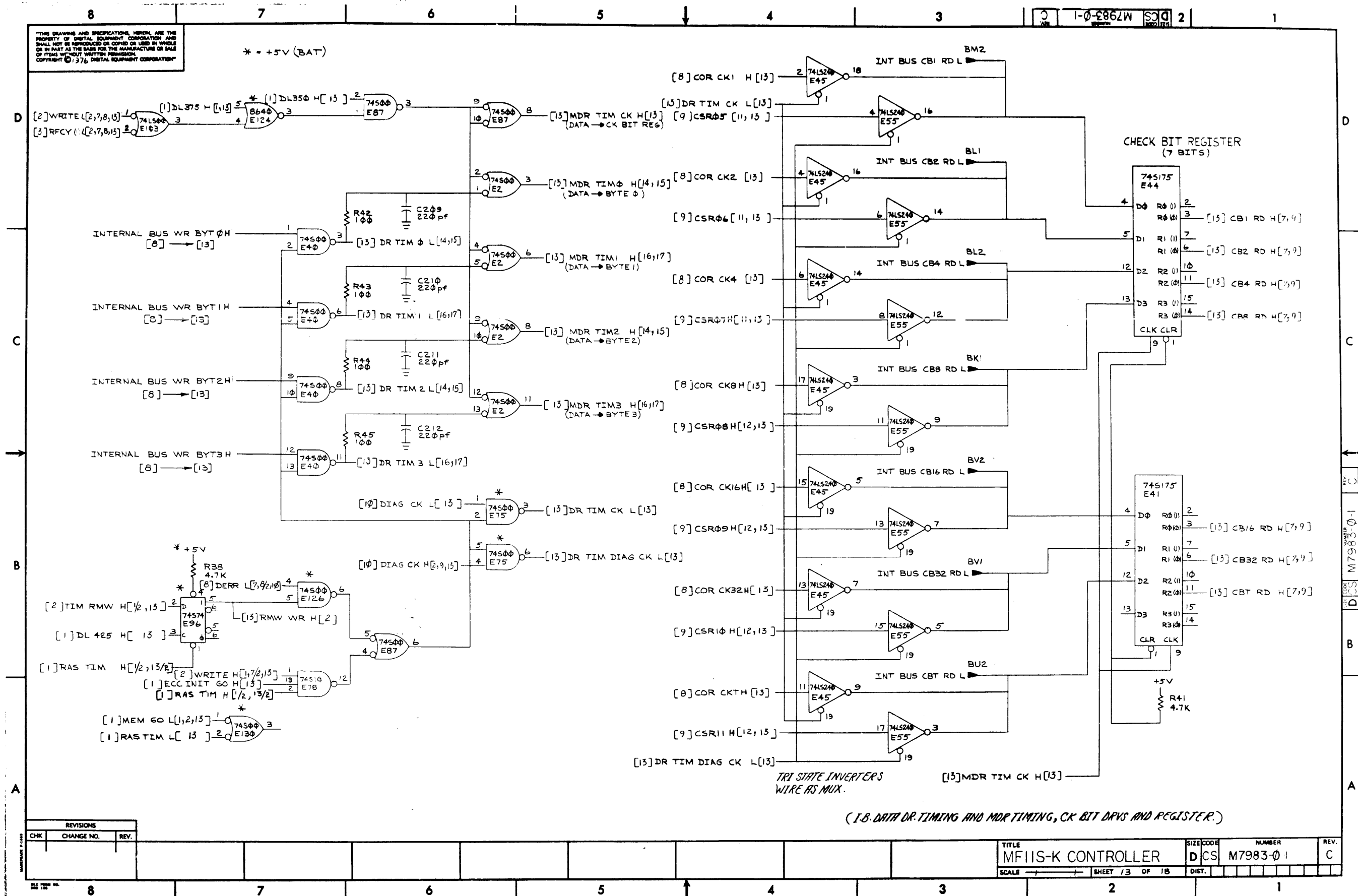
74157 2:1 MUX		
INPUTS		OUTPUTS
STB	S0	f
L	L	A
L	H	B

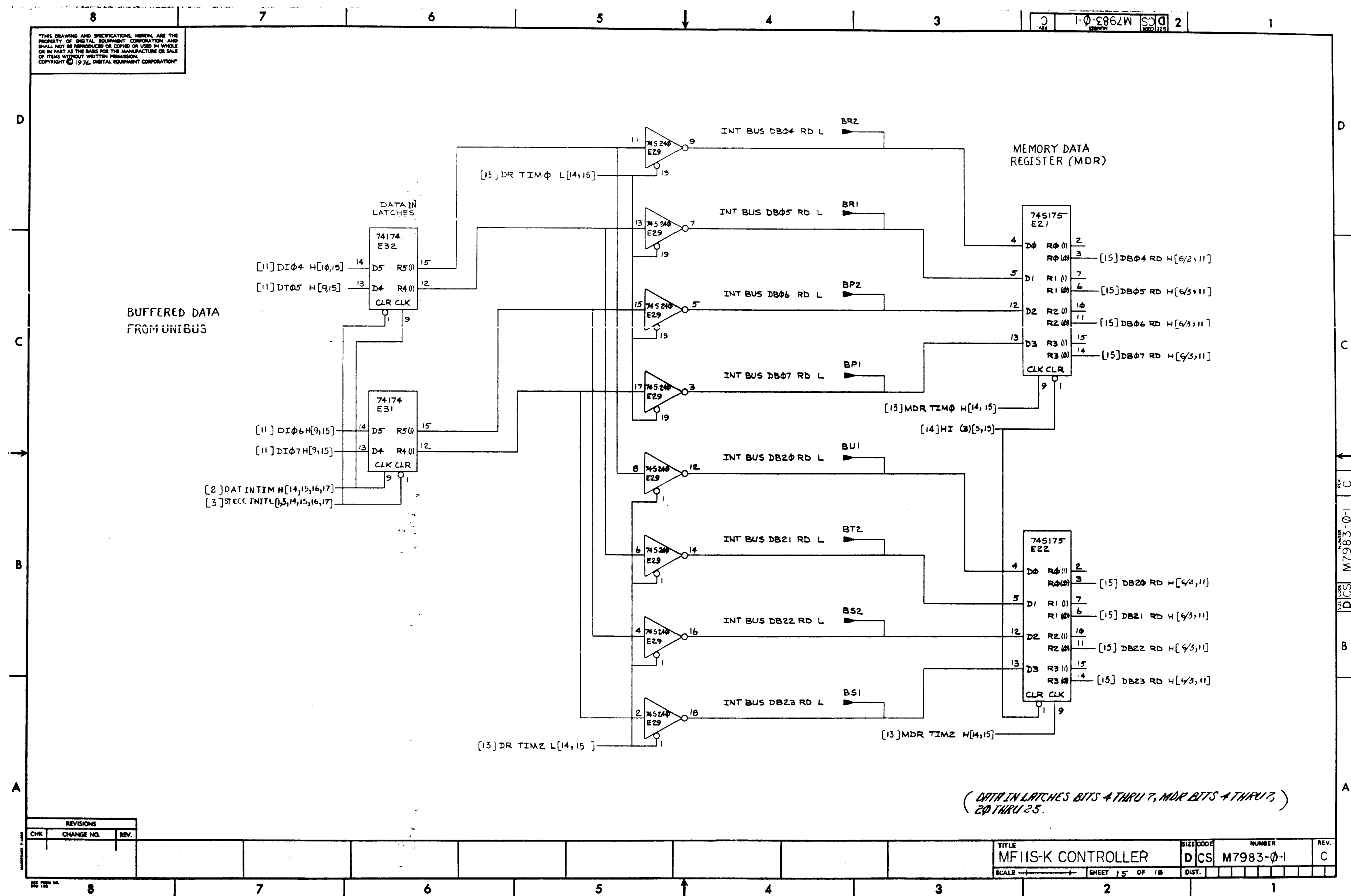
(UNIBUS DATA OUT PATH WITH CORRECTORS BITS 8 THRU 15)

REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 100 138

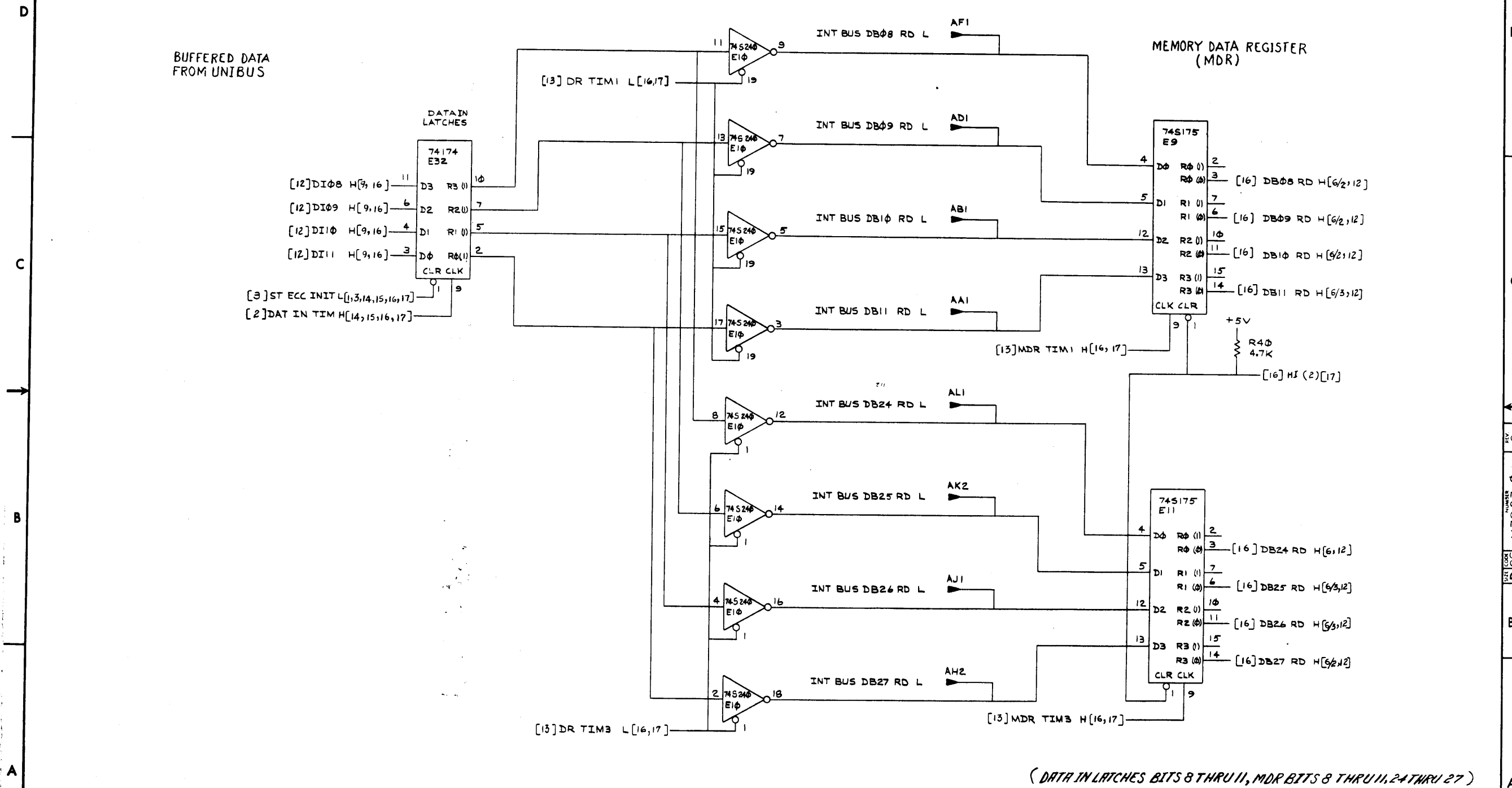
TITLE	SIZE CODE	NUMBER	REV.
MFIIS-K CONTROLLER	D CS	M7983-0-1	C
SCALE	SHEET 12 OF 18	DIST.	





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1-0-8862W SCD 2



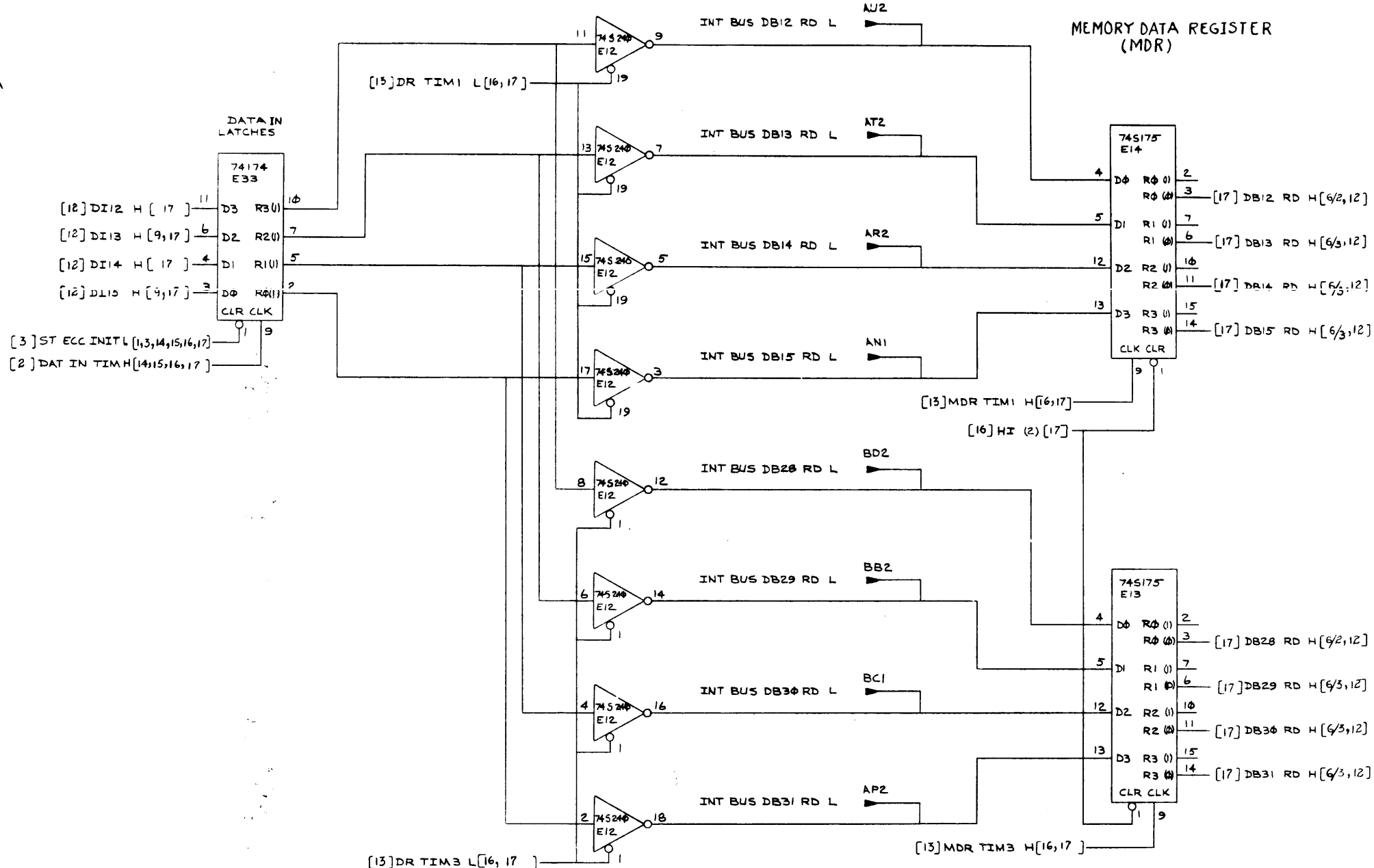
(DATA IN LATCHES BITS 8 THRU 11, MDR BITS 8 THRU 11, 24 THRU 27)

REVISIONS													TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.											MFIIS-K CONTROLLER		DCS		M7983-0-1		C	
													SCALE		SHEET 16 OF 18		DIST.			

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1-0-3862W SC 2

BUFFERED DATA FROM UNIBUS



(DATA IN LATCHES BITS 12 THRU 15, MDR, BITS 12 THRU 15, 28 THRU 31)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
MFIIS-K CONTROLLER		D	CS	M7983-0-1		C
SCALE		SHEET 17 OF 18		DIST.		

TITLE		SIZE	CODE	NUMBER	REV.
MFIIS-K CONTROLLER		D	CS	M7983-0-	C
SCALE	SHEET 18 OF 18		DIST.		

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

UNIT VARIATIONS COVERED BY THIS PRINT SET

MS11-KA

MS11-KB

MS11-KE

MS11-K

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00325

REVISIONS

DATE	CHG. NO.	REV.
9-77	MS11-K-1	A

USED ON OPTION/MODEL	
MF11S-K	
SHEET I OF 1	

DRN.	DATE
H.Darakjian	1Feb77
CHK'D	DATE
J. Carberg	5 MAY 77
PROJ. ENG.	DATE
J.B. Manton	4/7/77
FIELD SERV.	DATE
W.C. Kunkin	19 Apr 77

digital

TITLE:

MS11-K MOS STORAGE ARRAY

SIZE	CODE	NUMBER						REV.
B	TC	MS11-K-0						A
DIST.								

EN-01126-16-N678-132

EN-01124-10-N67B-1327

DRB 124

THIS IS PRINT SET

[illegible]

EN-01042-1A-16-R872-1255

REVISIONS			USED ON OPTION/MODEL		DRAWN H. Daraklian	DATE FEB 77	TITLE DRAWING DIRECTORY MS11-K MOS STORAGE ARRAY									
REV	CHG. NO.					DATE	SIZE	CODE	NUMBER					REV		
A	-I	MS11-K-1			MF11S-K	5 MAY 77	D	DD	MS11-K-Ø					A		
						4/7/77										
						4/7/77										
						4/7/77										
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[illegible]

DIGITAL EQUIPMENT CORPORATION PARTS LIST					QUANTITY / VARIATION										NOTES: * M7984-AA = M7984-AB, AC, AD, ETC. WITH DIFFERENT 4K MOS DEVICES * M7984-BA = M7984-BB, BC, BD, ETC. WITH DIFFERENT 4K MOS DEVICES			
MADE BY P. BOSSMAN DATE 6 DEC 76		CHECKED P. EO39MAN DATE 15 DEC 76		SECTION 1		M7984-AA*					M7984-BA*							
ENG J. MANTON DATE 12/20/76		PROD F.S. LIN DATE 1/18/77		ISSUED SECTION 1		M7984-AB	M7984-AC	M7984-AD	M7984-AE	M7984-AF		M7984-BB	M7984-BC	M7984-BD	M7984-BE	M7984-BF	REF DESIGNATION	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															
	D-CS-M7984-0-1		CIRCUIT SCHEMATIC		REF	REF	REF	REF	REF			REF	REF	REF	REF	REF		
	D-UA-M7984-0-0		UNIT ASSEMBLY		REF	REF	REF	REF	REF			REF	REF	REF	REF	REF		
	B-DD-M7984-0		DWG DIRECTORY		REF	REF	REF	REF	REF			REF	REF	REF	REF	REF		
	D-MD-5011997-0-0	5011997	DRILL & ETCH DRAWING		REF	REF	REF	REF	REF			REF	REF	REF	REF	REF		
1		21-13731-01	4K MOS RAM 16 PIN IN MOSTEK (275NS)		156	-	-	-	-			-	-	-	-	-		E5 thru E12, E17 thru E24, E28 thru E35, E39 thru E46, E49 thru E56, E60 thru E67, E81 thru E88, E90 thru E97, E99 thru E110, E111 thru E122, E124 thru E135, E137 thru E184, E70 THRU E77
					-	-	-	-	-			-	-	-	-	-	-	
					-	-	-	-	-			78	-	-	-	-		E5, E6, E9, E10, E17, E18, E21, E22, E28, E29, E32, E33, E39, E40, E43, E44, E49, E50, E53, E54, E60, E61, E64, E65, E70, E71, E74, E75, E81, E82, E85, E86, E90, E91, E94, E95, E99, E100, E103, E104, E107, E108, E111, E112, E115, E116, E119, E120, E124, E125, E128, E129, E132, E133, E137, E138, E141, E142, E145, E146, E149, E150, E153, E154, E157, E158, E161, E162, E165, E166, E169, E170, E173, E174, E177, E178, E181, E182
2		21-13735-01	4K MOS RAM 16 PIN IC MOSTEK (200NS)		-	156	-	-	-			-	-	-	-	-		SAME AS M7984-AB
					-	-	-	-	-			-	78	-	-	-		SAME AS M7984-BB
3		90-09185-00	JUMPER, INSULATED		5	5	5	5	5			-	-	-	-	-		W1, W2, W3, W4, X1
					-	-	-	-	-			6	6	6	6	6		W1, W2, W3, W4, W6, X1
4		50 11997	ETCH BOARD		1	1	1	1	1			1	1	1	1	1		
5		10 12084-01	CAP 8 UF 25V 10% S.TANT		13	13	13	13	13			13	13	13	13	13		C182 thru C186, C188 thru C195
6		10 01610-01	CAP .01 UF 100V DISC		23	23	23	23	23			23	23	23	23	23		C156, C157, C159 thru C174, C176 thru C179, C181
7		10 10274-01	CAP .22 UF 50V 80% 20% CER		155	155	155	155	155			155	155	155	155	155		C1 thru C155
8		11 10994-00	DIODE ZENER 1N751A 5.1V - 5%		1	1	1	1	1			1	1	1	1	1		D1
E.C.O. NO. 00003																		
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					SHEET 1 OF 9					INSERTION PARTS LIST DATA BASE REV								

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES: * M7984-AA = M7984-AB, AC, AD, ETC. WITH DIFFERENT 4K MOS DEVICES * M7984-BA = M7984-BB, BC, BD, ETC. WITH DIFFERENT 4K MOS DEVICES				
MADE BY P. BOSSMAN DATE 6 DEC 76		CHECKED P. BOSSMAN DATE 15 DEC 76		SECTION 2		M7984-AA*					M7984-BA*							
ENG J. MANTON DATE 12/20/76		PROD F.S. LIN DATE 1/18/77		ISSUED SECTION 1		M7984-AB	M7984-AC	M7984-AD	M7984-AE	M7984-AF		M7984-BB	M7984-BC	M7984-BD	M7984-BE	M7984-BF		REF DESIGNATION
9		12 10711-02	HANDLE HEX	1	1	1	1	1			1	1	1	1	1			
10		13 01972-00	RES 270 1/4W 5% CC	2	2	2	2	2			2	2	2	2	2		R94, R102	
11		13 02124-00	RES 18 1/4W 5% CC	84	84	84	84	84			84	84	84	84	84		R1 thru R47, R50 thru R53, R56 thru R59, R65 thru R93	
12		13 00365-00	RES 1K 1/4W 5% CC	7	7	7	7	7			7	7	7	7	7		R63, R95, R201 thru R205	
13		13 02177-00	RES 47K 1/4W 5% CC	9	9	9	9	9			9	9	9	9	9		R48, R49, R54, R55, R60, R61, R62, R64, R103	
14		19 10091-00	IC DEC 7437	3	3	3	3	3			3	3	3	3	3		E1, E47, E48	
15		19 10533-00	IC DEC 74S03	1	1	1	1	1			1	1	1	1	1		E3	
16		19 10534-00	IC DEC 74S04	1	1	1	1	1			1	1	1	1	1		E25	
17		19 12746-00	IC DEC 74S37	10	10	10	10	10			10	10	10	10	10		E13, E14, E26, E27, E37, E57, E58, E68, E69, E89	
18		19 12068-00	IC DEC 74128	2	2	2	2	2			2	2	2	2	2		E15, E36	
19		19 11676-00	IC DEC 74S139	1	1	1	1	1			1	1	1	1	1		E2	
20		19 13777-00	IC DEC 74LS240	10	10	10	10	10			10	10	10	10	10		E4, E16, E38, E59, E78, E79, E80, E98, E123, E136	
21		90 06732-00	EYELET	12	12	12	12	12			12	12	12	12	12			
22		91 05740-55	WIRE, #30 AWG (GRN)	A/R	A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R			
23		91 07256-11	TUBING, CLEAR	A/R	A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R			
24		2113910-01	4K MOS RAM 16 PIN IC FUJITSU (250NS)	-	-	156	-	-			-	-	-	-	-		SAME AS M7984-AB SAME AS M7984-BB	
25		21 13790-01	4K MOS RAM 16 PIN IC INTEL (250NS)	-	-	-	156	-			-	-	-	-	-		SAME AS M7984-AB SAME AS M7984-BB	
26		21 13892-01	4K MOS RAM 16 PIN IC HITACHI (250NS)	-	-	-	-	156			-	-	-	-	-		SAME AS M7984-AB SAME AS M7984-BB	

E.C.O. NO.

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TITLE
MS11-K (ARRAY)

ASSY NO.
D-UA-M7984-0-0

SHEET 2 OF 9

SIZE CODE
B PL

NUMBER
M7984-0-0

REV.
E

DIGITAL EQUIPMENT CORPORATION PARTS LIST						QUANTITY / VARIATION								NOTES: * M7984-AA = M7984-AB, AC, AD, ETC. WITH DIFFERENT 4K MOS DEVICES * M7984-BA = M7984-BB, BC, BD, ETC. WITH DIFFERENT 4K MOS DEVICES		
						M7984-AA*						M7984-BA*				
MADE BY P. BOSSMAN DATE 6 DEC 76	CHECKED P. BOSSMAN DATE 15 DEC 76	SECTION 3		M7984-AB	M7984-AC	M7984-AD	M7984-AE	M7984-AF		M7984-BB	M7984-BC	M7984-BD	M7984-BE			M7984-BF
ENG J. MANTON DATE 12/20/76	PROD F.S. LIN DATE 1/18/77	ISSUED SECTION 1														
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												REF DESIGNATION	
27		11 14384-00	GREEN DIODE, LED		1	1	1	1	1		1	1	1	1	D3	
28		11 09991-00	DIODE ZENER, IN754A 6.8V - 5%		1	1	1	1	1		1	1	1	1	D2	
29		13 00202-00	RES 47 1/4W 5% CC		1	1	1	1	1		1	1	1	1	R1ØØ	
E.C.O. NO.																
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SHEET 3 OF 9										INSERTION PARTS LIST DATA BASE REV						

DIGITAL EQUIPMENT CORPORATION					QUANTITY / VARIATION										NOTES: * M7984-CA = M7984-CB, CC WITH DIFFERENT 16K MOS DEVICES * M7984-DA = M7984-DB, DC WITH DIFFERENT 16K MOS DEVICES		
PARTS LIST					M7984-CA*					M7984-DA*							
MADE BY P. BOSSMAN DATE 6 DEC 76		CHECKED P. BOSSMAN DATE 15 DEC 76		SECTION 1													
ENG J. MANTON DATE 12/20/76		PROD F.S. LIN DATE 1/18/77		ISSUED SECTION 1													
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	M7984-CB	M7984-CC						M7984-DB	M7984-DC				REF DESIGNATION	
	D-CS-M7984-Ø-1		CIRCUIT SCHEMATIC	REF	REF						REF	REF					
	D-UA-M7984-Ø-Ø		UNIT ASSEMBLY	REF	REF						REF	REF					
	B-DD-M7984-Ø		DWG DIRECTORY	REF	REF						REF	REF					
	D-MD-5011997-Ø-Ø	5011997	DRILL & ETCH DRAWING	REF	REF						REF	REF					
1		21-13825-01	16K MOS MEMORY 16 PIN MOSTEK (2ØØNS)	156	-						-	-				E5 thru E12, E17 thru E24, E28 thru E35, E39 thru E46, E49 thru E56, E6Ø thru E67, E7Ø thru E77, E81 thru E88, E9Ø thru E97, E99 thru E11Ø, E111 thru E122, E124 thru E135, E137 thru E184	
				-	-						-	-					
				-	-						-	-					
				-	-						-	-					
				-	-						-	-					
2		21-14408-01	16K MOS MEMORY 16 PIN FUJITSU (2ØØNS)	-	156						-	-				E5,E9,E17,E21,E28,E32,E39,E43,E49,E53, E6Ø,E64,E7Ø,E74,E81,E85,E9Ø,E94,E99,E1Ø3, E1Ø7,E111,E115,E119,E124,E128,E132,E137, E141,E145,E149,E153,E157,E161,E165,E169, E173,E177,E181	
				-	-						-	39					
3		90 09185-00	JUMPER, INSULATED	8	8						-	-				W1,W2,W3,W4,W7,W8,W9,X1 W1,W2,W3,W4,W7,W9,X1	
				-	-						7	7					
4		50 11997	ETCH BOARD	1	1						1	1					
5		10 12084-01	CAP 8 UF 25V 10% S.TANT	13	13						13	13				C182 thru C186, C188 thru C195	
6		10 01610-01	CAP .01 UF 1ØØV DISC	23	23						23	23				C156, C157, C159 thru C174, C176 thru C179, C181	
7		10 10274-01	CAP .22 UF 50V 80% CER	155	155						155	155				C1 thru C155	
8		11 10994-00	DIODE ZENER 1N751A 5.1V - 5%	1	1						1	1				D1	
9		12 10711-02	HANDLE HEX	1	1						1	1					
10		13 01972-00	RES 270 1/4W 5% CC	2	2						2	2				R94, R1Ø2	
E.C.O. NO.																	
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				SHEET 4 OF 9				INSERTION PARTS LIST DATA BASE REV									

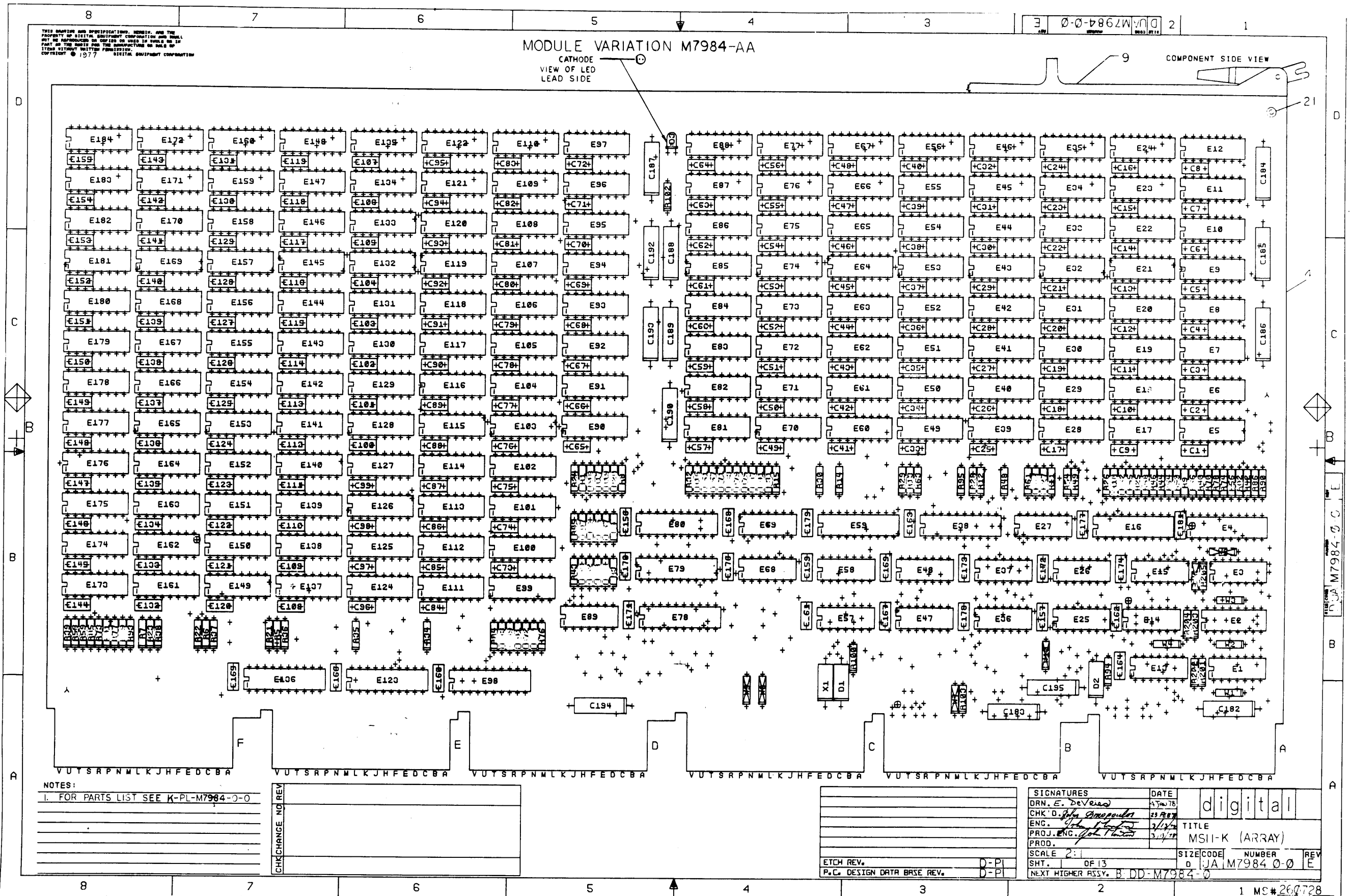
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES: * M7984-CA = M7984-CB,CC WITH DIFFERENT 16K MOS DEVICES * M7984-DA = M7984-DB,DC WITH DIFFERENT 16K MOS DEVICES					
MADE BY P. BOSSMAN DATE 6 DEC 76		CHECKED P. BOSSMAN DATE 15 DEC 76		SECTION 1		M7984-CA*					M7984-DA*								
ENG J. MANTON DATE 12/20/76		PROD F.S. LIN DATE 1/18/77		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	M7984-CB	M7984-CC						M7984-DB	M7984-DC				REF DESIGNATION			
11		13 02124-00	RES 18 1/4W 5% CC	84	84						84	84				R1 thru R47, R5Ø thru R53, R56 thru R59, R65 thru R93			
12		13 00365-00	RES 1K 1/4W 5% CC	7	7						7	7				R63, R95, R2Ø1 thru R2Ø5			
13		13 02177-00	RES 47K 1/4W 5% CC	9	9						9	9				R48,R49,R54,R55,R6Ø,R61,R62,R64,R1Ø3			
14		19 10091-00	IC DEC 7437	3	3						3	3				E1, E47, E48			
15		19 10533-00	IC DEC 74SØ3	1	1						1	1				E3			
16		19 10534-00	IC DEC 74SØ4	1	1						1	1				E25			
17		19 12746-00	IC DEC 74S37	10	10						10	10				E13,E14,E26,E27,E37,E57,E58,E68,E69,E89			
18		19 12068-00	IC DEC 74128	2	2						2	2				E15, E36			
19		19 11676-00	IC DEC 74S139	1	1						1	1				E2			
20		19 13777-00	IC DEC 74LS240	10	10						10	10				E4,E16,E38,E59,E78,E79,E8Ø,E98,E123,E136			
21		90 06732-00	EYELET	12	12						12	12							
22		91 05740-55	WIRE, #30 AWG (GRN)	A/R	A/R						A/R	A/R							
23		91 07256-11	TUBING, CLEAR	A/R	A/R						A/R	A/R							
24		11 14384-00	GREEN DIODE, LED	1	1						1	1				D3			
25		11 09991-00	DIODE ZENER IN754A 6.8V - 5%	1	1						1	1				D2			
26		13 00202-00	RES 47 1/4W 5% CC	1	1						1	1				R1ØØ			
ECO. NO.																			
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				SHEET 5 OF 9				INSERTION PARTS LIST DATA BASE REV											

DIGITAL EQUIPMENT CORPORATION PARTS LIST					QUANTITY / VARIATION										NOTES:	
MADE BY DATE		CHECKED DATE		SECTION	M7984-EA*										* M7984-EA = M7984-EB,EC,ED,EE WITH DIFFERENT 4K MOS DEVICES	
P. BOSSMAN 6 DEC 76		P. BOSSMAN 15 DEC 76		1	M7984-EB	M7984-EC	M7984-ED	M7984-EE								
ENG DATE		PROD DATE		ISSUED SECTION											REF DESIGNATION	
J. MANTON 12/20/76		F.S. LIN 1/18/77		2												
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION		M7984-EB	M7984-EC	M7984-ED	M7984-EE								
	D-CS-M7984-Ø-1		CIRCUIT SCHEMATIC		REF	REF	REF	REF								
	D-UA-M7984-Ø-Ø		UNIT ASSEMBLY		REF	REF	REF	REF								
	B-DD-M7984-Ø		DWG DIRECTORY		REF	REF	REF	REF								
	D-MD-5011997-Ø-Ø	5011997	DRILL & ETCH DRAWING		REF	REF	REF	REF								
1		21 13914-01	4K MOS RAM 16 PIN IC DEC (2ØØNS)		156	-	-	-							E5 thru E12, E17 thru E24, E28 thru E35, E39 thru E46, E49 thru E56, E6Ø thru E67, E7Ø thru E77, E81 thru E88, E9Ø thru E97, E99 thru E122, E124 thru E135, E137 thru E184	
2		21 13735-01	4K MOS RAM 16 PIN IC MOSTEK (2ØØNS)		-	156	-	-							SAME AS M7984-EB	
3		90 09185-00	JUMPER, INSULATED		6	6	6	6							W1, W2, W3, W4, W8, X1	
4		50 11997	ETCH BOARD		1	1	1	1								
5		10 12084-01	CAP, 8 UF 25V 10% S.TANT		13	13	13	13							C182 thru C186, C188 thru C195	
6		10 01610-01	CAP, .01 UF 1ØØV DISC		23	23	23	23							C156, C157, C159 thru C174, C176 thru C179, C181	
7		10 10274-01	CAP, .22 UF 5ØV 80% 20% CER		155	155	155	155							C1 thru C155	
8		11 10994-00	DIODE ZENER 1N751A 5.1V - 5%		1	1	1	1							D1	
9		12 10711-02	HANDLE HEX		1	1	1	1								
10		13 01972-00	RES 270 1/4W 5% CC		2	2	2	2							R94, R1Ø2	
11		13 02124-00	RES 18 1/4W 5% CC		84	84	84	84							R1 thru R47, R5Ø thru R53, R56 thru R59, R65 thru R93	
12		13 00365-00	RES 1K 1/4W 5% CC		7	7	7	7							R63, R95, R2Ø1 thru R2Ø5	
13		13 02177-00	RES 47K 1/4W 5% CC		9	9	9	9							R48, R49, R54, R55, R6Ø, R61, R62, R64, R1Ø3	
E.C.O. NO.																
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						SHEET 6 OF 9			INSERTION PARTS LIST DATA BASE REV							

DIGITAL EQUIPMENT CORPORATION PARTS LIST					QUANTITY / VARIATION										NOTES:	
MADE BY P. BOSSMAN DATE 6 DEC 76		CHECKED P. BOSSMAN DATE 15 DEC 76		SECTION 1	M7984-EA*										* M7984-EA = M7984-EB,EC,ED,EE WITH DIFFERENT 4K MOS DEVICES	
ENG J. MANTON DATE 12/20/76		PROD F.S. LIN DATE 1/18/77		ISSUED SECTION 1	M7984-EB	M7984-EC	M7984-ED	M7984-EE								
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION		M7984-EB	M7984-EC	M7984-ED	M7984-EE								REF DESIGNATION
14		19 10091-00	IC DEC 7437		3	3	3	3								E1, E47, E48
15		19 10533-00	IC DEC 74SØ3		1	1	1	1								E3
16		19 10534-00	IC DEC 74SØ4		1	1	1	1								E25
17		19 12746-00	IC DEC 74S37		10	10	10	10								E13,E14,E26,E27,E37,E57,E58,E68,E69,E89
18		19 12068-00	IC DEC 74128		2	2	2	2								E15, E36
19		19 11676-00	IC DEC 74S139		1	1	1	1								E2
20		19 13777-00	IC DEC 74LS24Ø		10	10	10	10								E4,E16,E38,E59,E78,E79,E8Ø,E98,E123,E136
21		90 06732-00	EYELET		12	12	12	12								
22		91 05740-55	WIRE, #30 AWG (GRN)		A/R	A/R	A/R	A/R								
23		91 07256-11	TUBING, CLEAR		A/R	A/R	A/R	A/R								
24		21 14114-01	4K MOS MEMORY 16 PIN IC MOTOROLA (2ØØNS)		-	-	156	-								SAME AS M7984-EB
25		11 14384-00	GREEN DIODE, LED		1	1	1	1								D3
26		11 09991-00	DIODE ZENER, IN754A 6.8V - 5%		1	1	1	1								D2
27		13 00202-00	RES 47 1/4W 5% CC		1	1	1	1								R1ØØ
28		21 14475-01	4K MOS RAM 16 PIN IC FIJITSU (2ØØNS)					156								SAME AS M7984-EB
E.C.O. NO.																
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						SHEET 7 OF 9		INSERTION PARTS LIST DATA BASE REV								

DIGITAL EQUIPMENT CORPORATION PARTS LIST					QUANTITY / VARIATION										NOTES:		
MADE BY DATE		CHECKED DATE		SECTION	M7984-FA*										* M7984-FA = M7984-FB, FC WITH DIFFERENT 16K MOS DEVICES		
P. BOSSMAN 6 DEC 76		P. BOSSMAN 15 DEC 76		1													
ENG DATE		PROD DATE		ISSUED SECTION	M7984-FB	M7984-FC											REF DESIGNATION
J. MANTON 12/20/76		F.S. LIN 1/18/77		1													
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														
	D-CS-M7984-Ø-1		CIRCUIT SCHEMATIC		REF	REF											
	D-UA-M7984-Ø-Ø		UNIT ASSEMBLY		REF	REF											
	B-DD-M7984-Ø		DWG DIRECTORY		REF	REF											
	D-MD-5011997-Ø-Ø	5011997	DRILL & ETCH DRAWING		REF	REF											
1		21 13825-01	16K MOS MEMORY 16 PIN MOSTEK (2ØØNS)		78	-										E5,E6,E9,E1Ø,E17,E18,E21,E22,E28,E29,E32, E33,E39,E4Ø,E43,E44,E49,E5Ø,E53,E54,E6Ø, E61,E64,E65,E7Ø,E71,E74,E75,E81,E82,E85, E86,E9Ø,E91,E94,E95,E99,E1ØØ,E1Ø3,E1Ø4, E1Ø7,E1Ø8,E111,E112,E115,E116,E119,E12Ø, E124,E125,E128,E129,E132,E133,E137,E138, E141,E142,E145,E146,E149,E15Ø,E153,E154, E157,E158,E151,E162,E165,E166,E169,E17Ø, E173,E174,E177,E178,E181,E182	
2		21 14408-01	16K MOS MEMORY 16 PIN FUJITSU (2ØØNS)		-	78										SAME AS M7984-FB	
3		90 09185-00	JUMPER, INSULATED		8	8										W1, W2, W3, W4, W7, W9, W1Ø, X1	
4		50 11997	ETCH BOARD		1	1											
5		10 12084-01	CAP 8 UF 25V 10% S.TANT		13	13										C182 thru C186, C188 thru C195	
6		10 01610-01	CAP .01 UF 1ØØV DISC		23	23										C156, C157, C159 thru C174, C176 thru C179, C181	
7		10 10274-01	CAP .22 UF 50V 80% 20% CER		155	155										C1 thru C155	
8		11 10994-00	DIODE ZENER 1N751A 5.1V - 5%		1	1										D1	
9		12 10711-02	HANDLE HEX		1	1											
10		13 01972-00	RES 270 1/4W 5% CC		2	2										R94, R1Ø2	
11		13 02124-00	RES 18 1/4W 5% CC		84	84										R1 thru R47, R5Ø thru R53, R56 thru R59, R65 thru R93	
E.C.O. NO.																	
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					SHEET 8 OF 9			INSERTION PARTS LIST DATA BASE REV									

DIGITAL EQUIPMENT CORPORATION PARTS LIST					QUANTITY / VARIATION												NOTES:					
MADE BY DATE		P. BOSSMAN 6 DEC 76		CHECKED DATE	P. BOSSMAN 15 DEC 76		SECTION 1														* M7984-FA = M7984-FB, FC WITH DIFFERENT 16K MOS DEVICES	
ENG DATE		J. MANTON 12/20/76		PROD DATE		F.S. LIN 1/18/77		ISSUED SECTION 1														
ITEM NO.	DRAWING NO.		PART NO.		DESCRIPTION			M7984-FB	M7984-FC										REF DESIGNATION			
12			13 00365		RES 1K 1/4W 5% CC			7	7									R63, R95, R2Ø1 thru R2Ø5				
13			13 02177-00		RES 47K 1/4W 5% CC			9	9									R48,R49,R54,R55,R6Ø,R61,R62,R64,R1Ø3				
14			19 10091-00		IC DEC 7437			3	3									E1, E47, E48				
15			19 10533-00		IC DEC 74SØ3			1	1									E3				
16			19 10534-00		IC DEC 74SØ4			1	1									E25				
17			19 12746-00		IC DEC 74S37			10	10									E13,E14,E26,E27,E37,E57,E58,E68,E69,E89				
18			19 12068-00		IC DEC 74128			2	2									E15, E36				
19			19 11676-00		IC DEC 74S139			1	1									E2				
20			19 13777-00		IC DEC 74LS240			10	10									E4,E16,E38,E59,E78,E79,E8Ø,E98,E123,E136				
21			90 06732-00		EYELET			12	12													
22			91 05740-55		WIRE, #30 AWG (GRN)			A/R	A/R													
23			91 07256-11		TUBING, CLEAR			A/R	A/R													
24			11 14384-00		GREEN DIODE, LED			1	1									D3				
25			11 09991-00		DIODE ZENER, 1N754A 6.8V - 5%			1	1									D2				
26			13 00202-00		RES 47 1/4W 5% CC			1	1									R1ØØ				
E.C.O. NO.																						
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									SHEET 9 OF 9				INSERTION PARTS LIST DATA BASE REV									

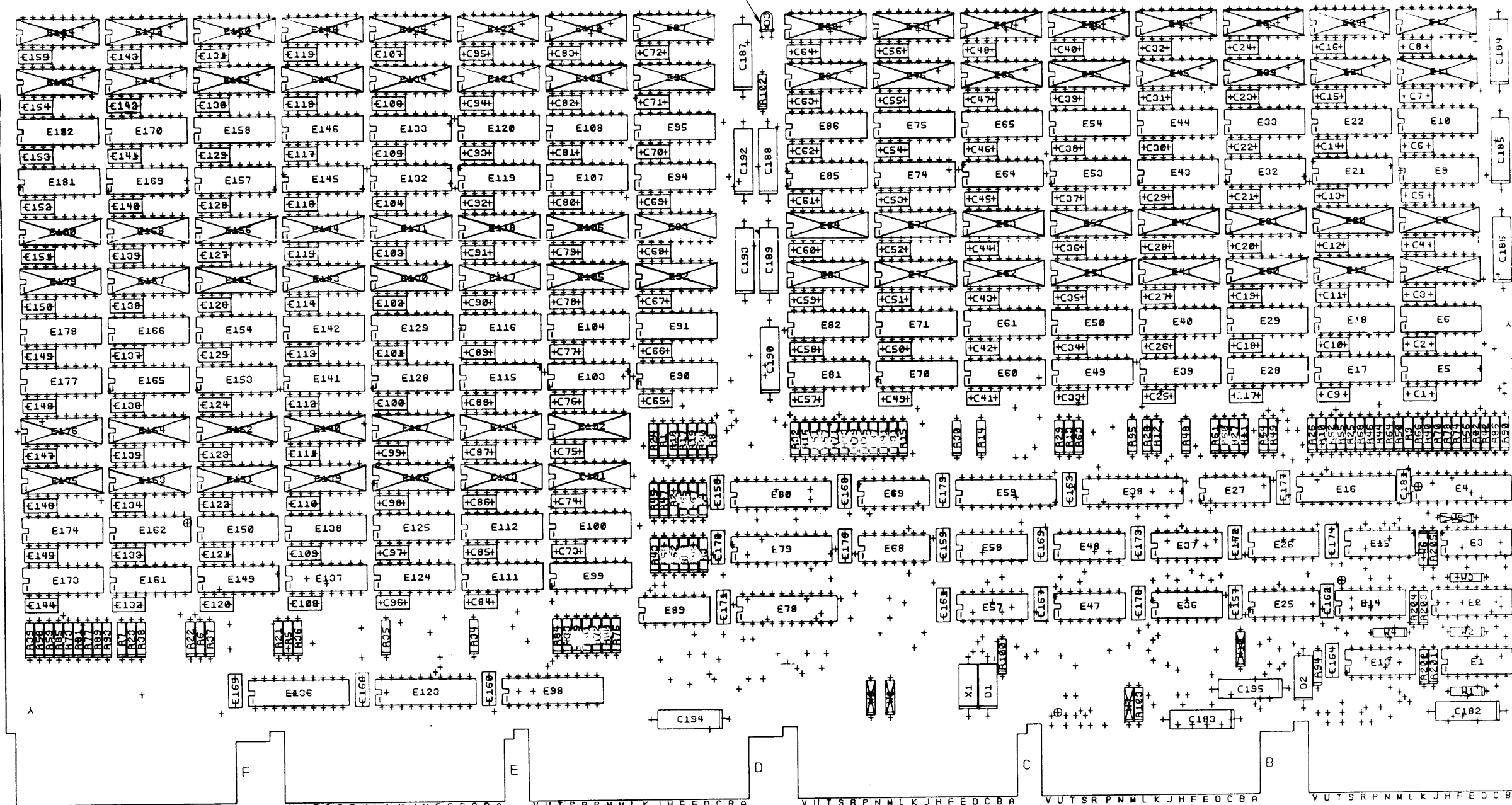


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MODULE VARIATION M7984-BA

CATHODE
VIEW OF LED
LEAD SIDE

COMPONENT SIDE VIEW



NOTES:

1. FOR PARTS LIST SEE K-PL-M7984-0-0

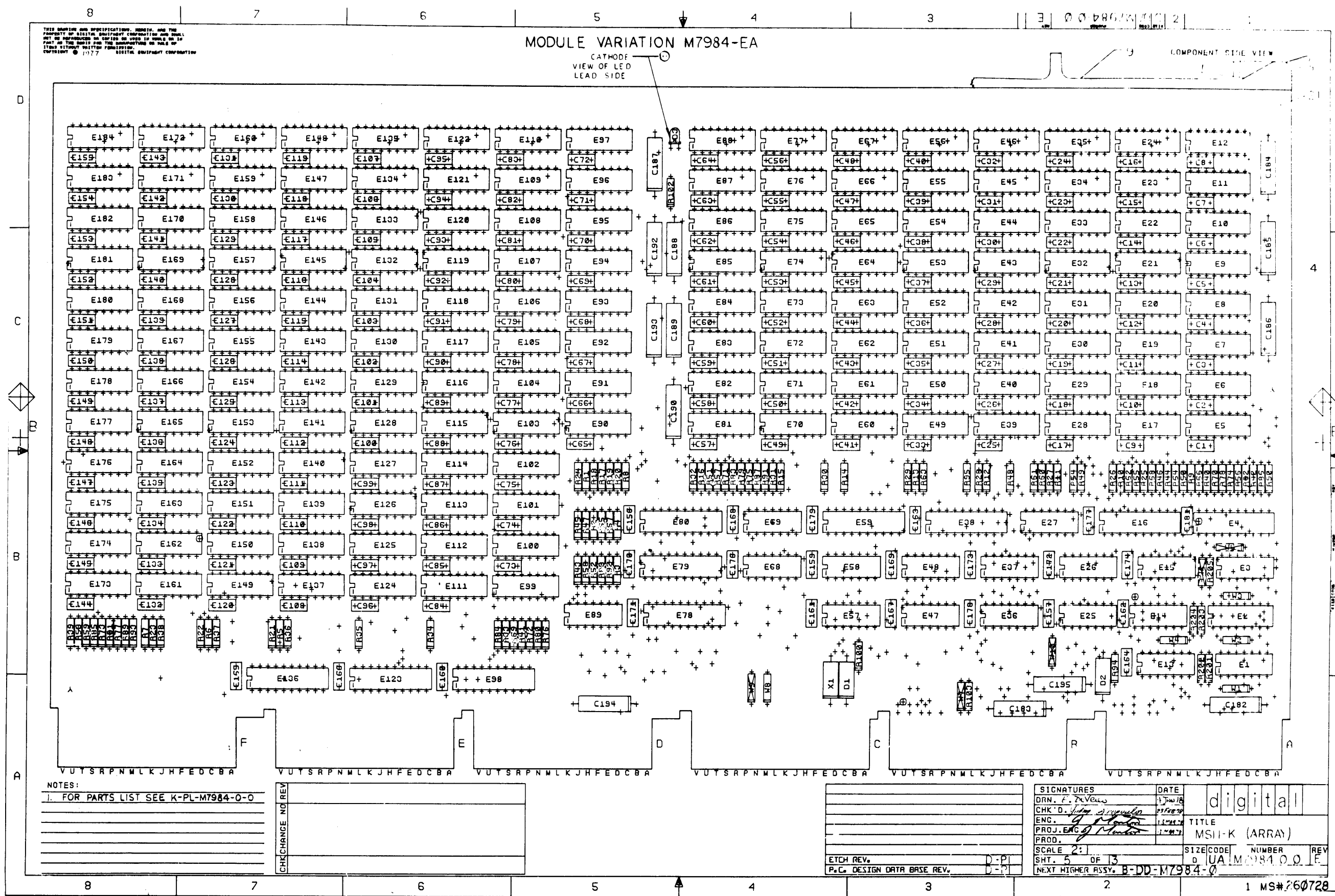
CHANGE NO. REV.

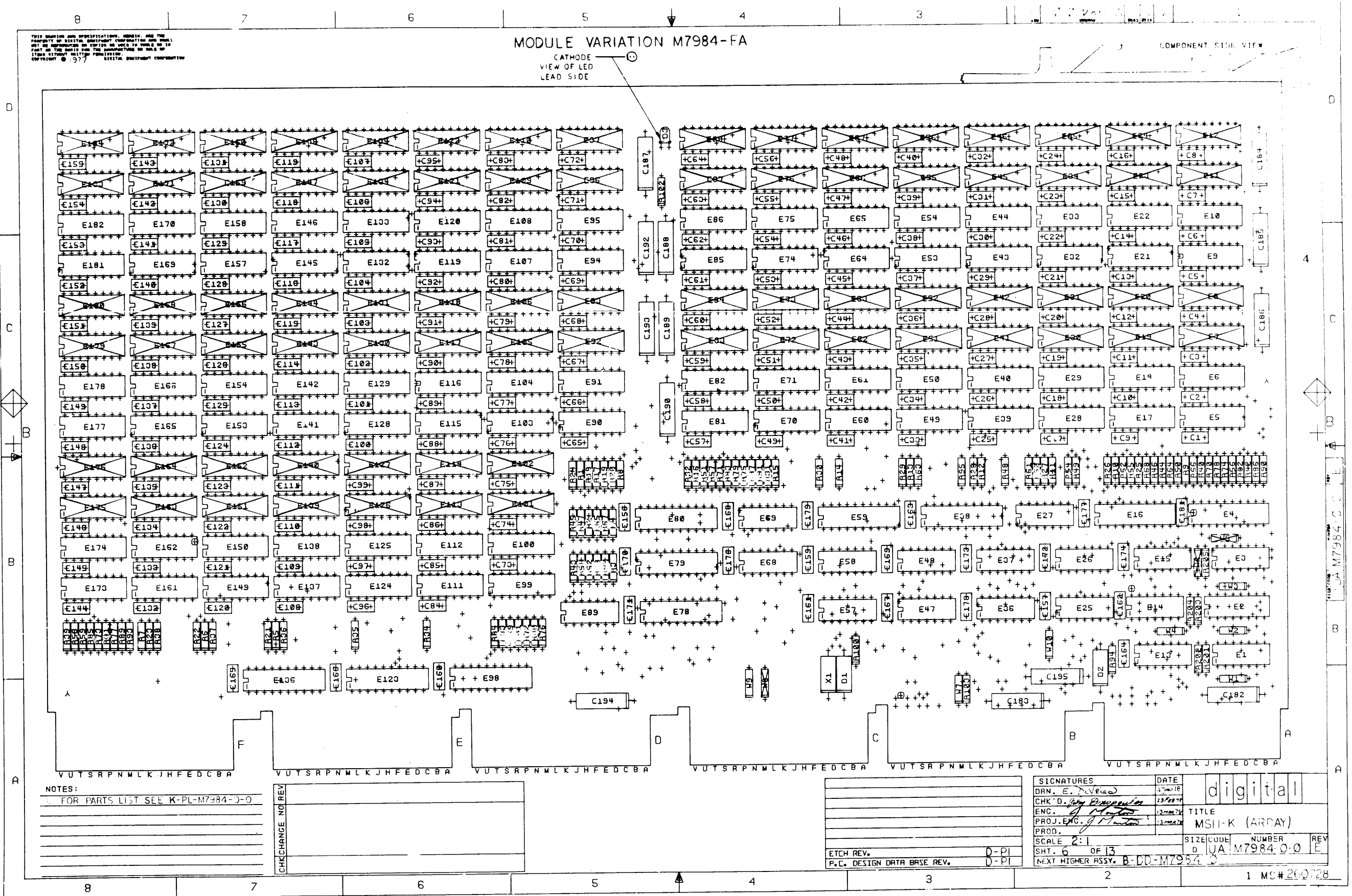
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P.C. DESIGN DATA BASE REV. D-PI

SIGNATURES		DATE	digital
DRN. E. DeVane		4/20/78	
CHK. D. J. Simpson		5/1/78	TITLE
ENG. J. J. Simpson		5/1/78	
PROJ. M. J. Simpson		5/1/78	MSII-K (ARRAY)
PROD.			
SCALE 2:1			SIZE CODE NUMBER
SHT. 2 OF 13			
NEXT HIGHER ASSY. B-DD-M7984-0			REV

1 MS# 260728



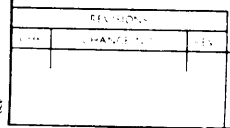




ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 07-16-2009 BY 60322 UCBAW/SJS

DECLASSIFICATION AUTHORITY DERIVED FROM:
FBI AUTOMATIC DECLASSIFICATION GUIDE
DATE 07-16-2009 BY 60322 UCBAW/SJS

2025 RELEASE UNDER E.O. 14176

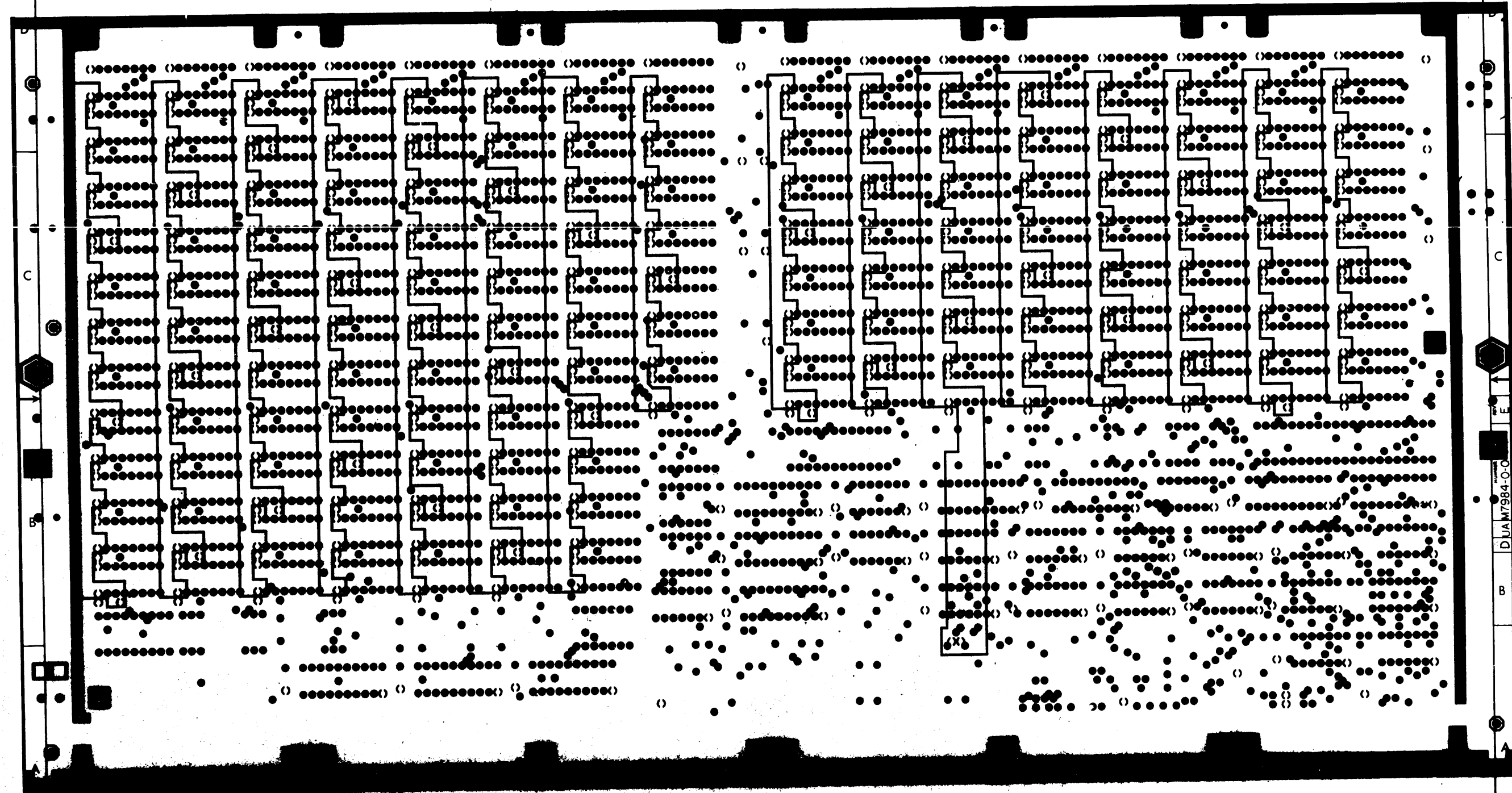


SCALE	2/1	SHEET	7 of 13	DATE	
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M7984 5011997 D-P1

100V 17

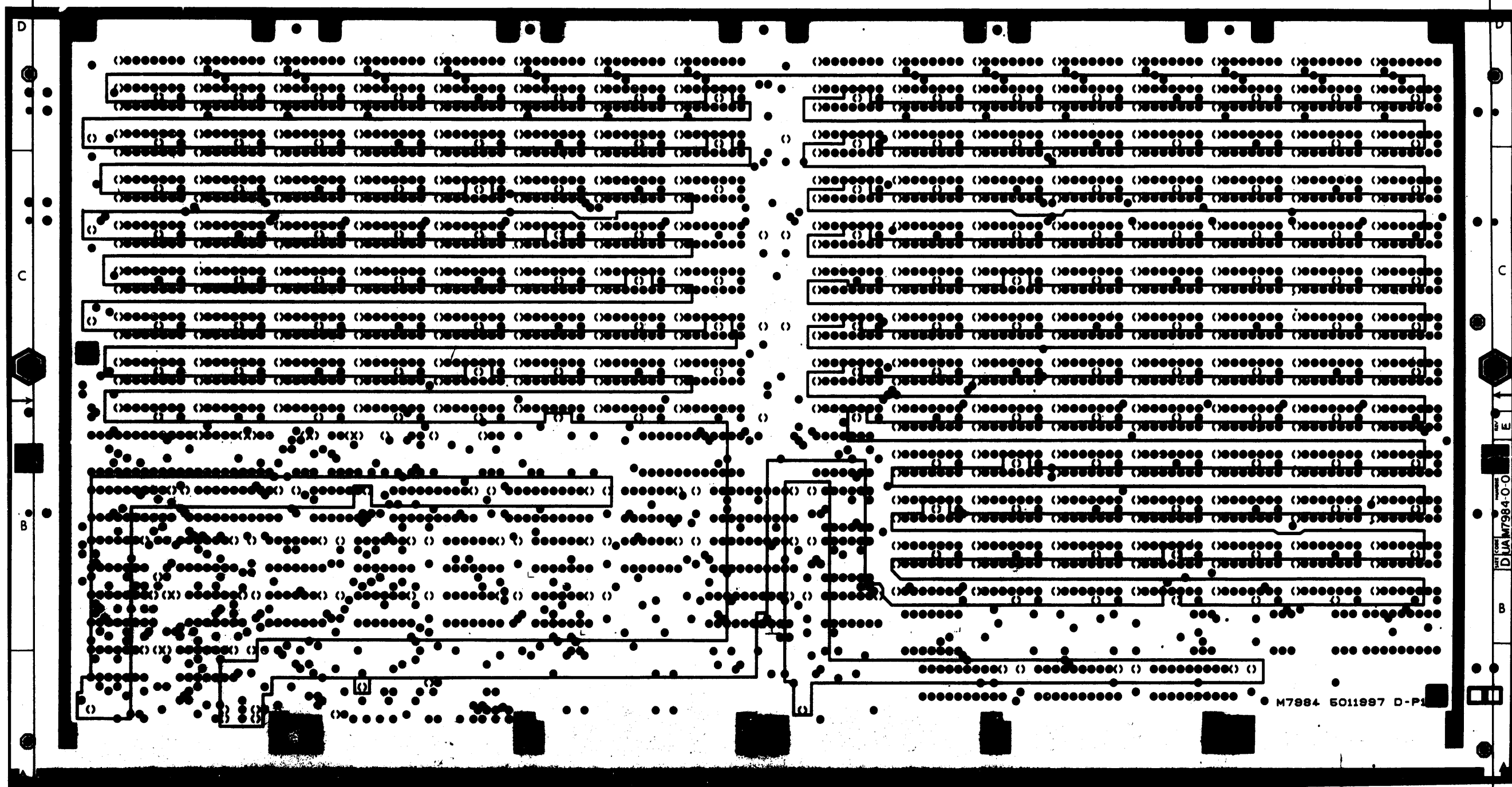


REVISIONS		
CHK	CHANGE NO	REV

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SCALE	2/1	SHEET	8 OF 13	DIST

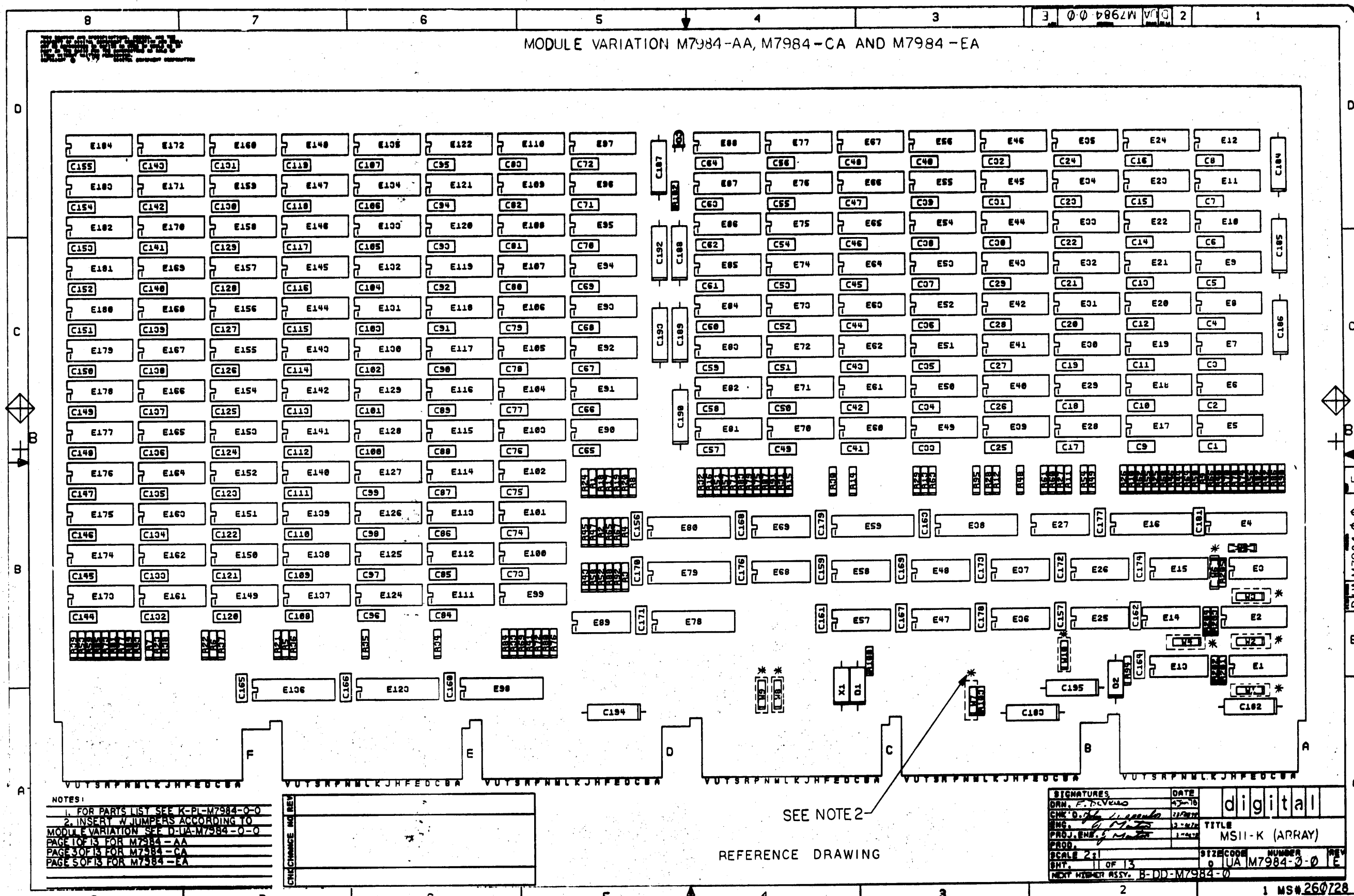
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REVISIONS		
CHK	CHANGE NO	REV

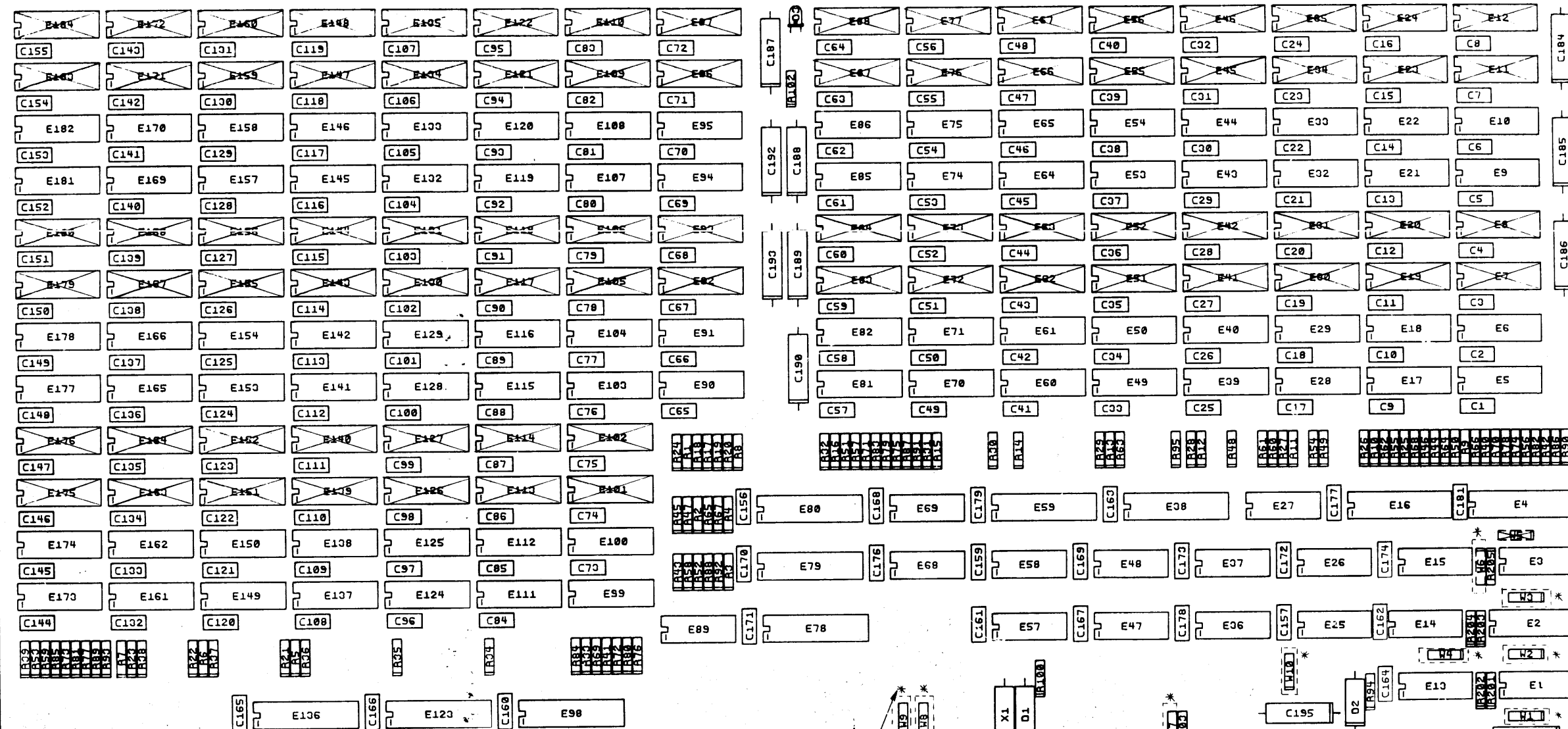
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SCALE	2/1	SHEET	9	OF	13	DIST.		



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MODULE VARIATION M7984 -BA, AND M7984-FA



NOTES:

1. FOR PARTS LIST SEE K-PL-M7984-O-O
2. INSERT 1/2" JUMPERS ACCORDING TO
MODULE VARIATION SEE D-UA-M7984-O-O
PAGE 2 OF 13 FOR M7984-BA
PAGE 6 OF 13 FOR M7984-FA

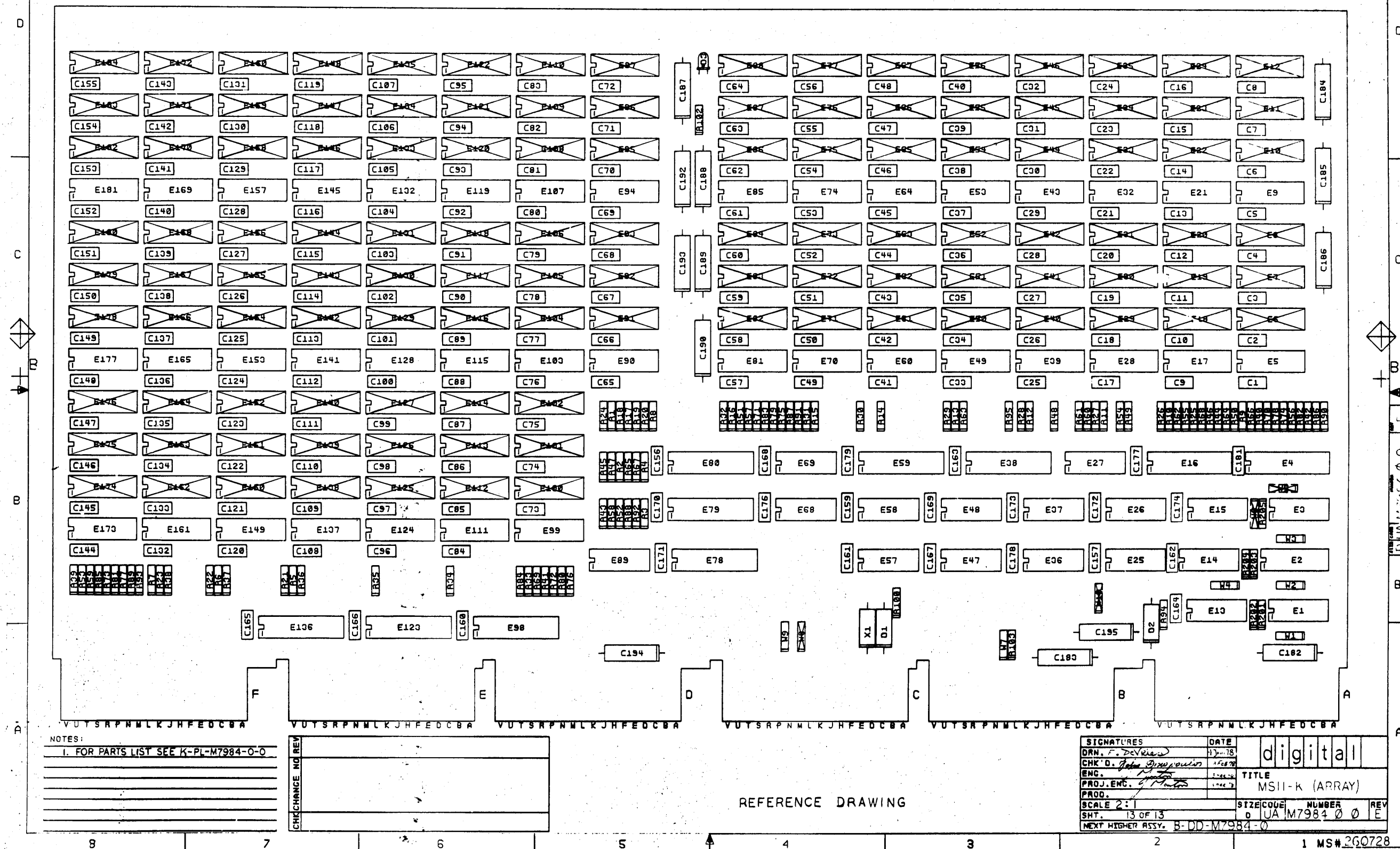
SEE NOTE 2

REFERENCE DRAWING

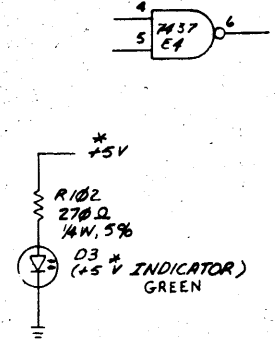
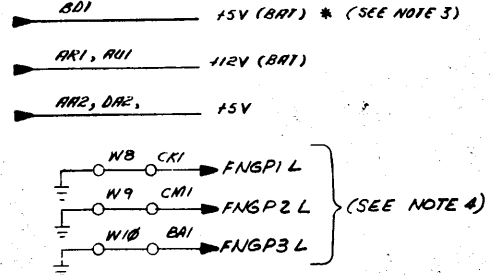
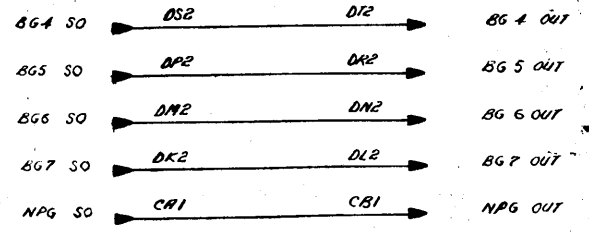
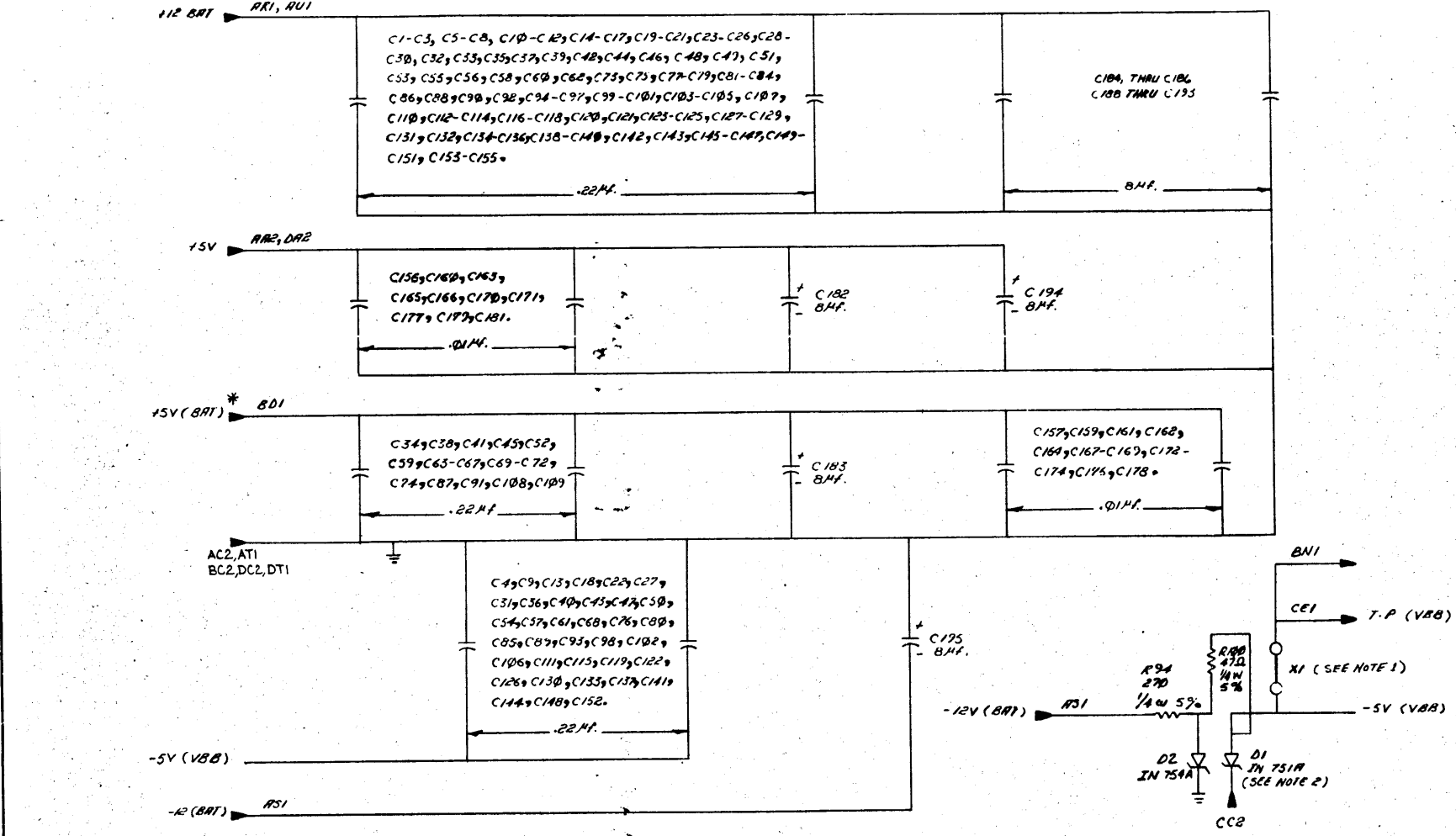
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DRN. <i>F. N. ...</i>		23 MAR 78				
CHK'D. <i>John ...</i>		23 MAR 78				
ENC. <i>[Signature]</i>		3 - 24 78	TITLE MSII K (ARRAY)			
PROJ. ENC. <i>[Signature]</i>		3 MAR 78				
PROD.						
SCALE		SIZE	CODE	NUMBER	REV	E
SHT. 12 of 13		0	UA	M7984-00		
NEXT HIGHER ASSY. B-DD M7984-0A						

1 MS# 260728

MODULE VARIATION M7984-DA



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NOTES:
1. JUMPER 10, PE CONNECTED FOR EACH UNITATION AS FOLLOWS:

MODULE	VAR 5	JUMPER SETTINGS, AKA	DESCRIPTION
AB, AC, AD, AE, AF, EG	W1, W2, W3, W4, X1	16K X 39, 16K RAM'S FULLY POPULATED	
BB, BC, BD	W1, W2, W3, W4, W5, X1	8K X 39, 4K RAM'S 1/2 POPULATED	
CB, CC	W1, W2, W3, W4, W5, W6, X1	64K X 39, 16K RAM'S FULLY POPULATED	
DB, DC	W1, W2, W3, W4, W5, W6, X1	16K X 39, 16K RAM'S 1/4 POPULATED	
EB, EC, ED	W1, W2, W3, W4, W5, W6, X1	16K X 39, 4K RAM'S FULLY POPULATED	
FB, FC	W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, X1	32K X 39, 16K RAM'S 1/2 POPULATED	

2. PIN CC2 MAY BE FLOATED TO VARY -5V (VBB). THE VARIABLE (VBB) IS APPLIED TO PIN CB1.
3. (*) INDICATES +5V BATTERY BACK-UP.
4. JUMPERS TO BE CONNECTED FOR EACH ARRAY CONFIGURATION AS FOLLOWS:

	FNGP2L (W10)	FNGP2L (W9)	FNGP2L (W8)	ARRAY CONFIGURATION
AB, AC ETC	1	1	1	16K X 39, 4K RAM'S FULLY POPULATED
BB, BC ETC	1	1	1	8K X 39, 4K RAM'S 1/2 POPULATED
CB, CC ETC	1	1	0	16K X 39, 4K RAM'S FULLY POPULATED
DB, DC ETC	1	0	1	16K X 39, 16K RAM'S 1/4 POPULATED
EB, EC ETC	0	0	1	32K X 39, 4K RAM'S 1/2 POPULATED
FB, FC ETC	1	0	0	64K X 39, 16K RAM'S FULLY POPULATED

SPARE'S GATES

REV	NO	DATE	BY	CHK
1	1	12-25-77	J. MANTON	
2	1	12-25-77	J. MANTON	
3	1	12-25-77	J. MANTON	
4	1	12-25-77	J. MANTON	
5	1	12-25-77	J. MANTON	
6	1	12-25-77	J. MANTON	
7	1	12-25-77	J. MANTON	
8	1	12-25-77	J. MANTON	

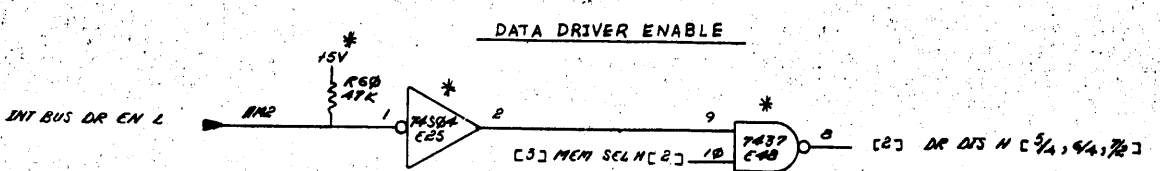
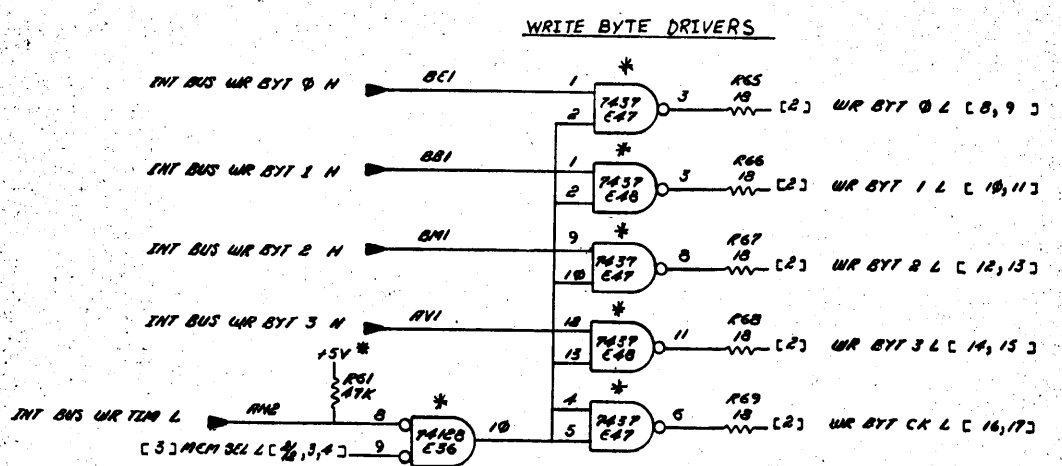
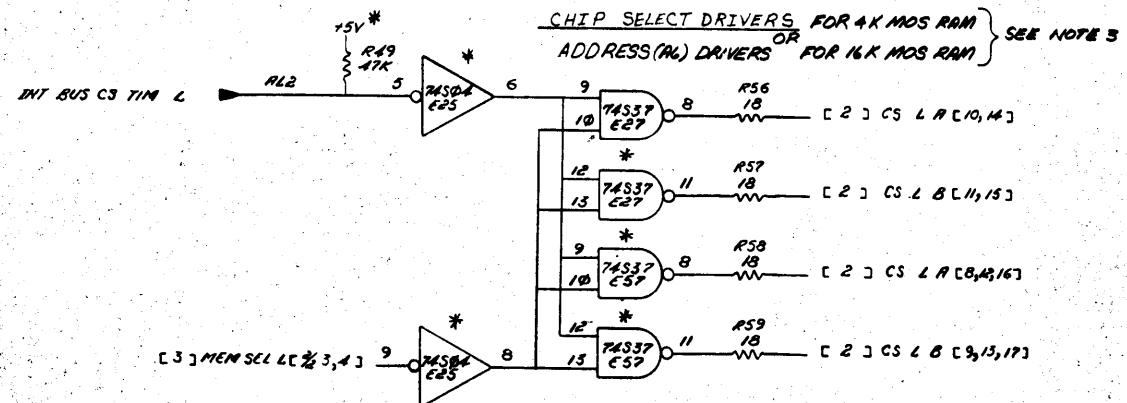
DRN	17 Dec 77	FIRST USED ON	digital
CHK'D	17 Dec 77	TITLE	MS11-K (ARRAY)
ENG	17 Dec 77	SCALE	NONE
PROJ. ENG	17 Dec 77	SIZE CODE	D CS
PROD.	17 Dec 77	NUMB: R	M7984-0-1
NEXT HIGHER ASSY.		REV	E
MF11S-K		SHEET	1 OF 1
SCALE	NONE	DIST.	

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DCS M7984-0-1 2

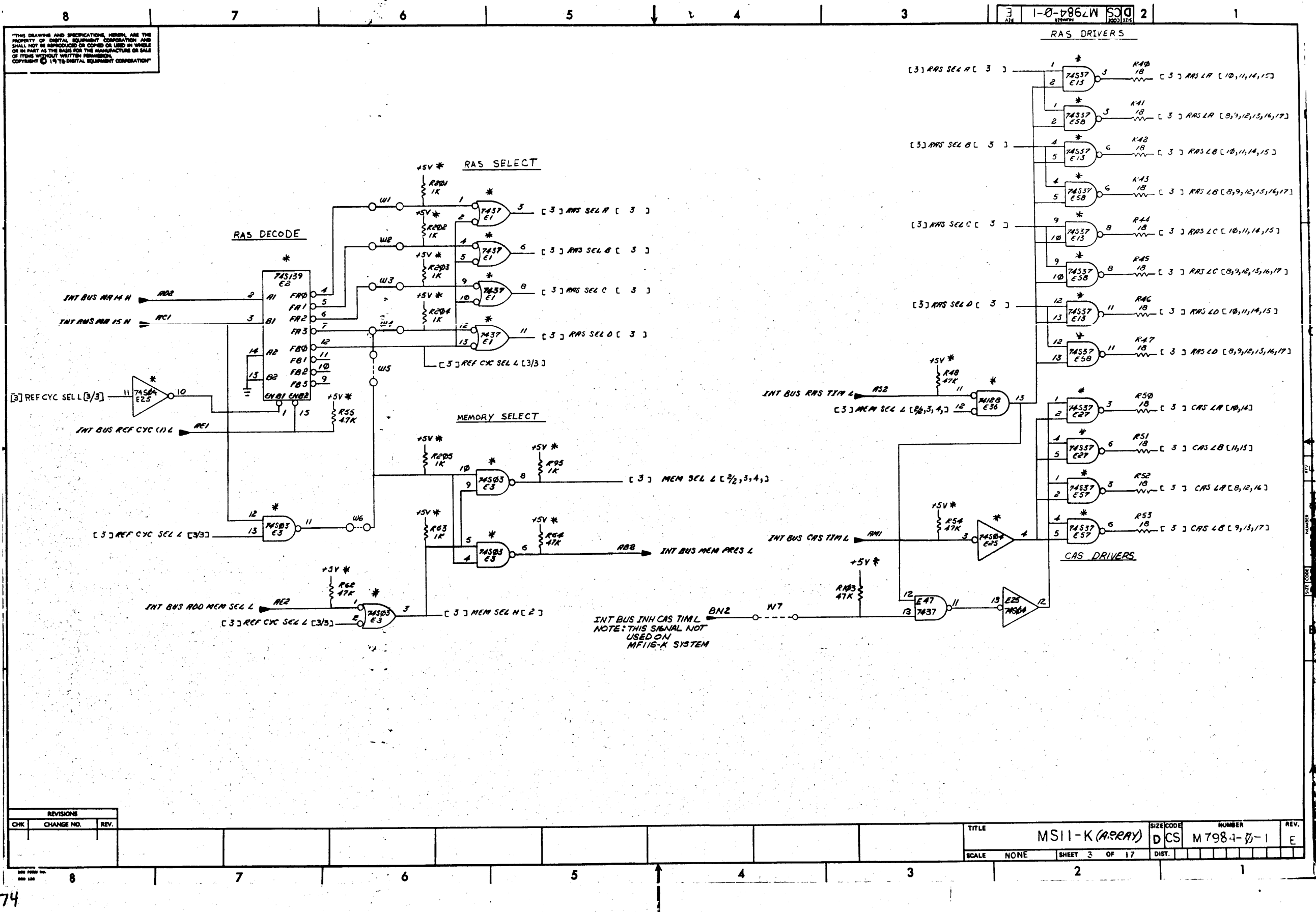
NOTES:
1. SIGNAL NAMES WILL BE REFERENCED AS FOLLOWS:
[X] SIGNAL NAME [Y/Z]
NUMBER OF CONNECTION POINTS ON DESTINATION SHEET.
DESTINATION SHEET NUMBER.
SOURCE SHEET NUMBER.

EXAMPLE:
[3] MEM SEL L [2,3,4]
DESIGNATION (Z) IS AN IMPLIED ONE WHEN NOT SHOWN.
2. SIGNALS DESIGNATED (INT BUS) ARE CONNECTED VIA MODULE FINGERS TO INTERNAL BVS A-B3.
3. FOR 16K MOS RAM SIGNAL CSL IS ADDRESS (A6)



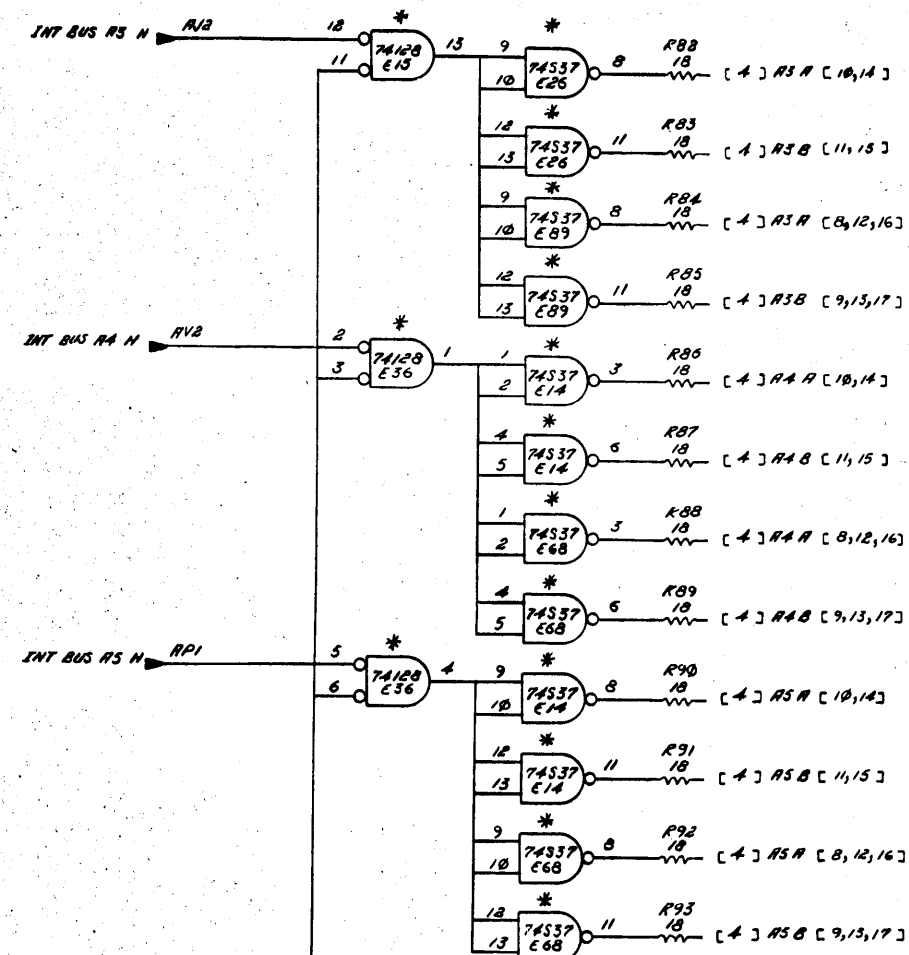
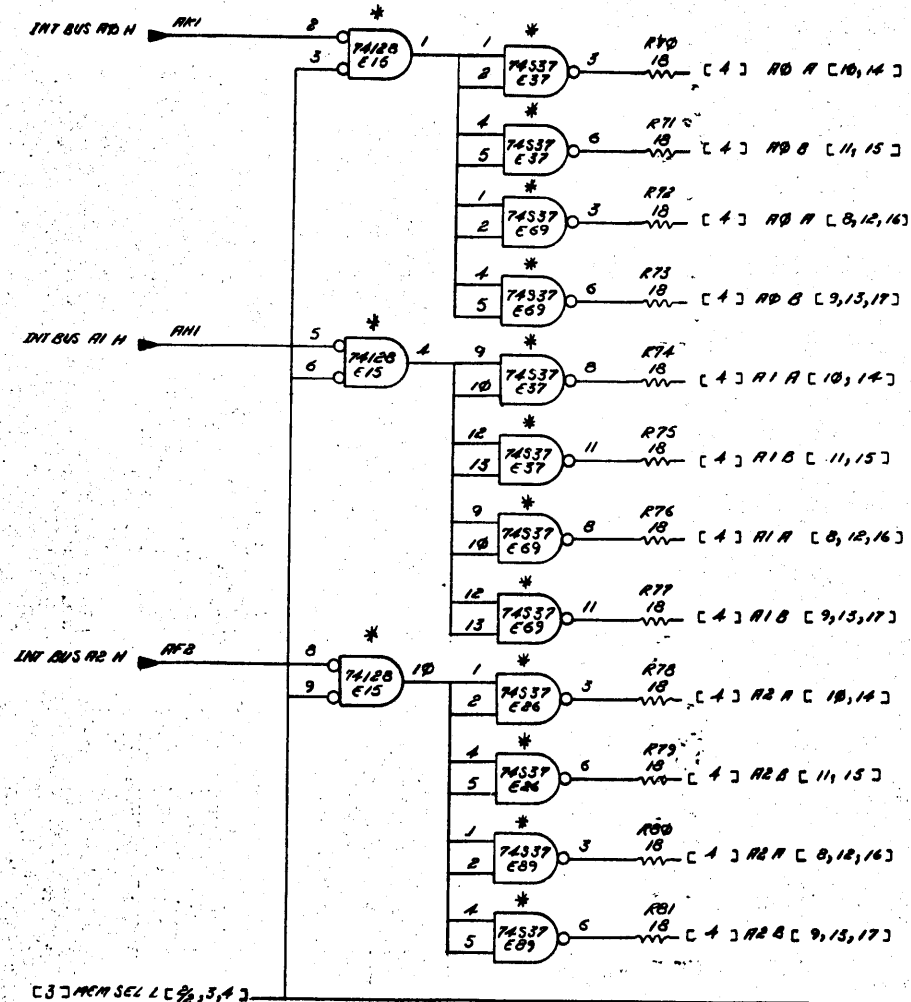
REVISIONS		
CHK	CHANGE NO.	REV.

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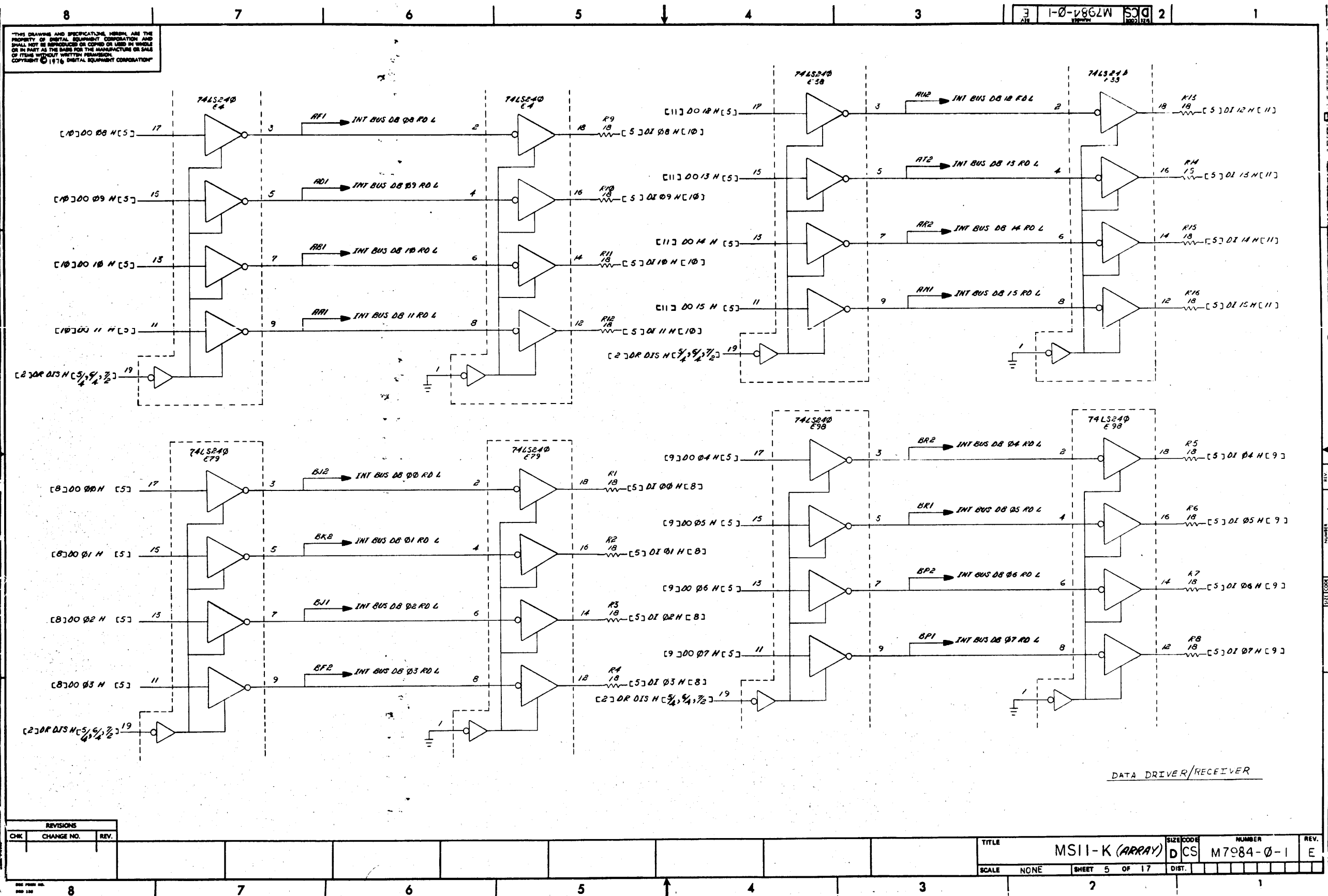
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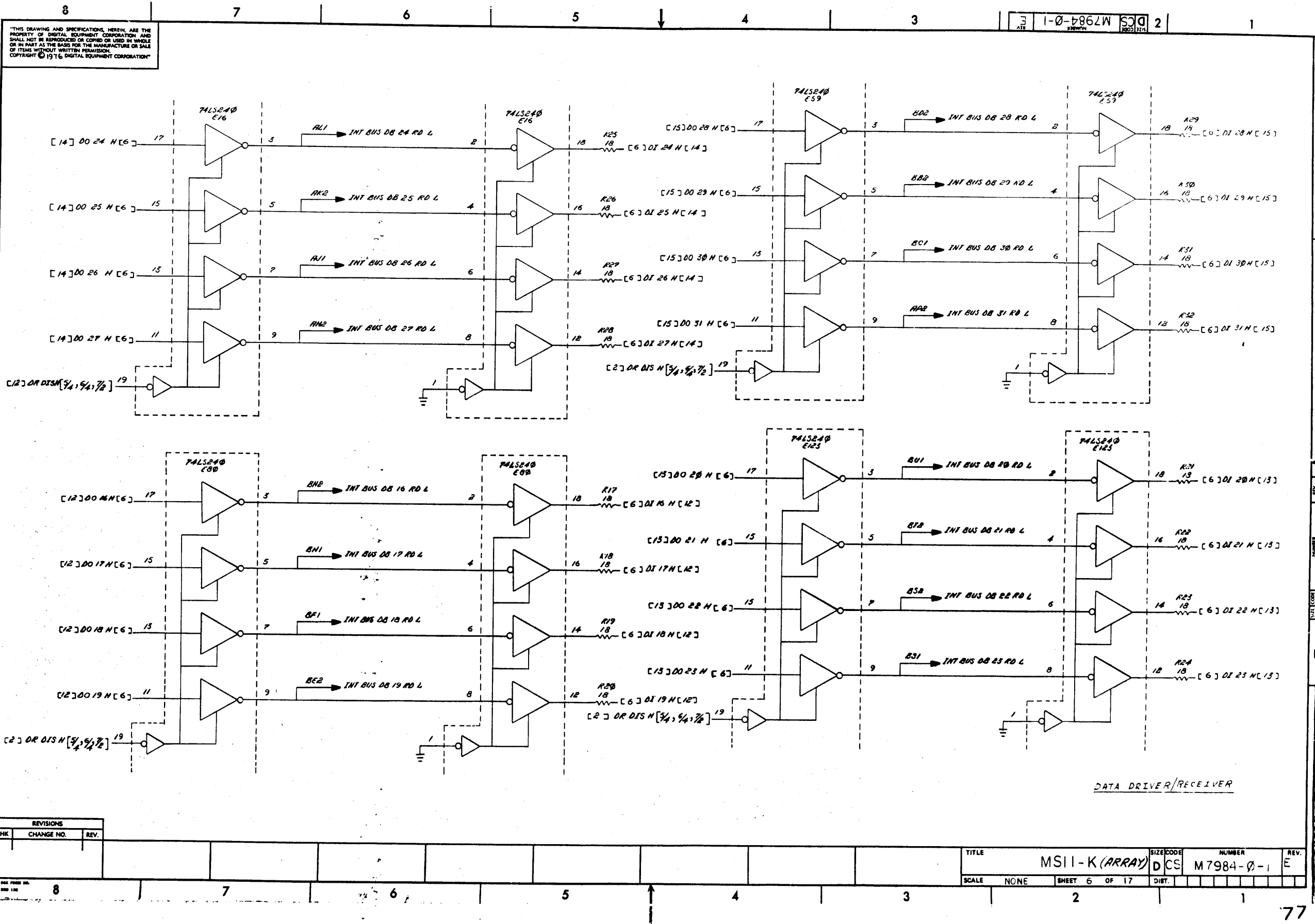
ADDRESS DRIVERS

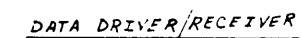


REVISIONS		
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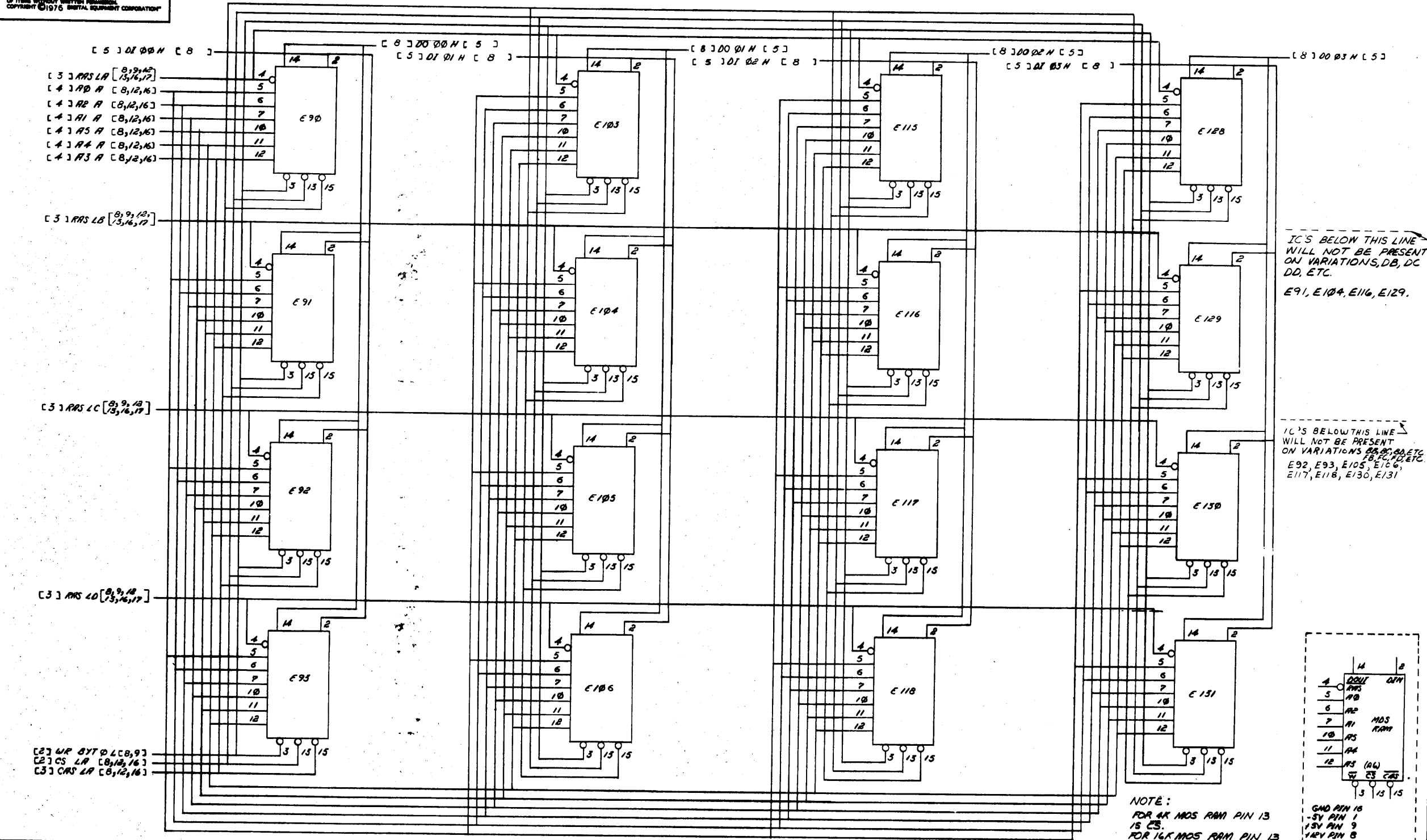




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				DCS		M7984-Q-1		E	
SCALE NONE		SHEET 7 OF 17		DIST.					

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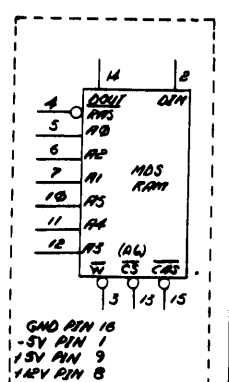
DCS M7984-0-1



IC'S BELOW THIS LINE WILL NOT BE PRESENT ON VARIATIONS DB, DC, DD, ETC.
E91, E104, E116, E129.

IC'S BELOW THIS LINE WILL NOT BE PRESENT ON VARIATIONS DB, DC, DD, ETC.
E92, E93, E105, E106, E117, E118, E130, E131.

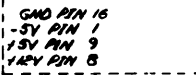
NOTE:
FOR 4K MOS RAM PIN 13 IS CS.
FOR 16K MOS RAM PIN 13 IS A6.



REV.	CHANGE NO.	REV.

TITLE	MSII-K (ARRAY)	SIZE CODE	DCS	NUMBER	M7984-0-1	REV.	E
SCALE	NONE	SHEET	8	OF	17	DIST.	

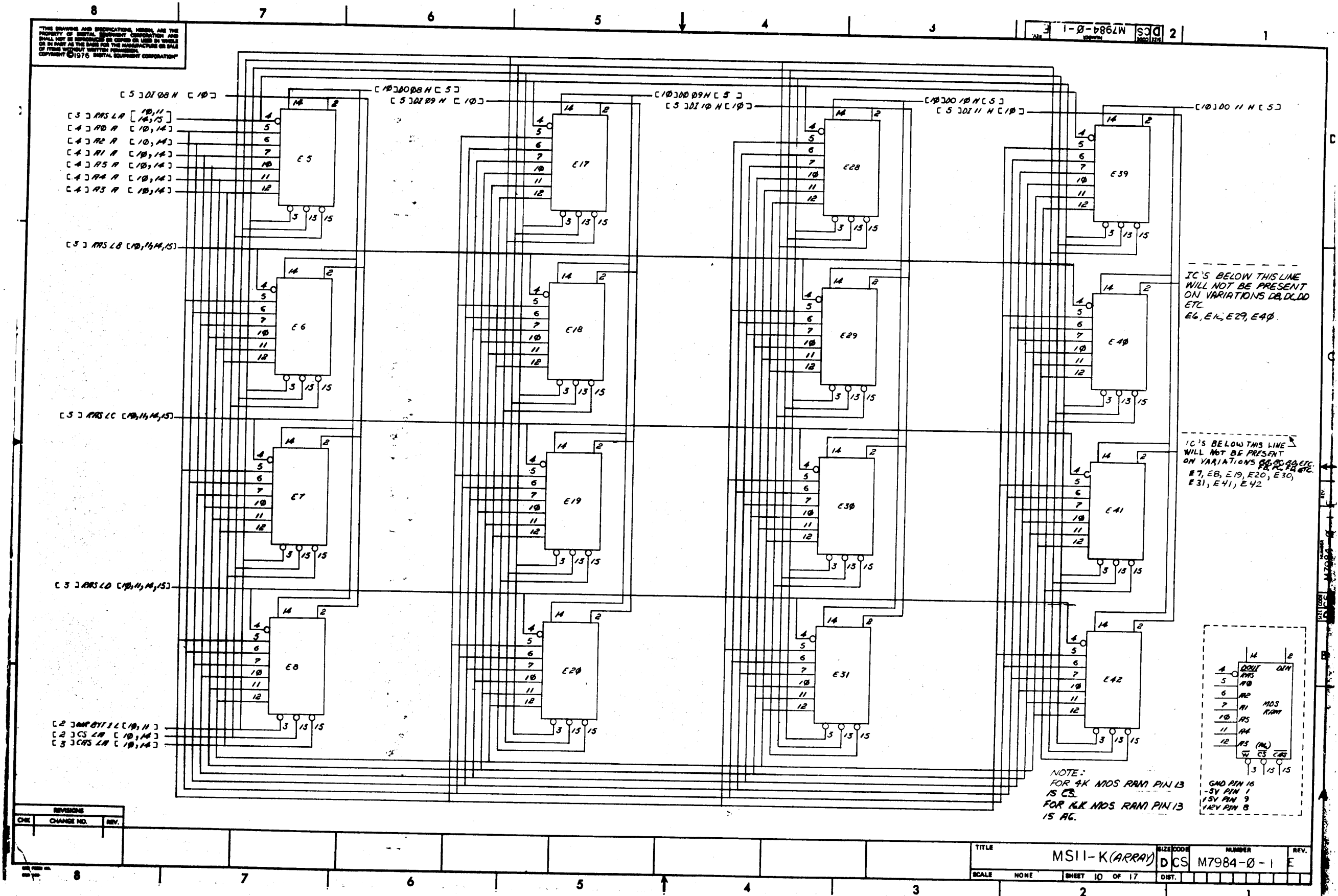
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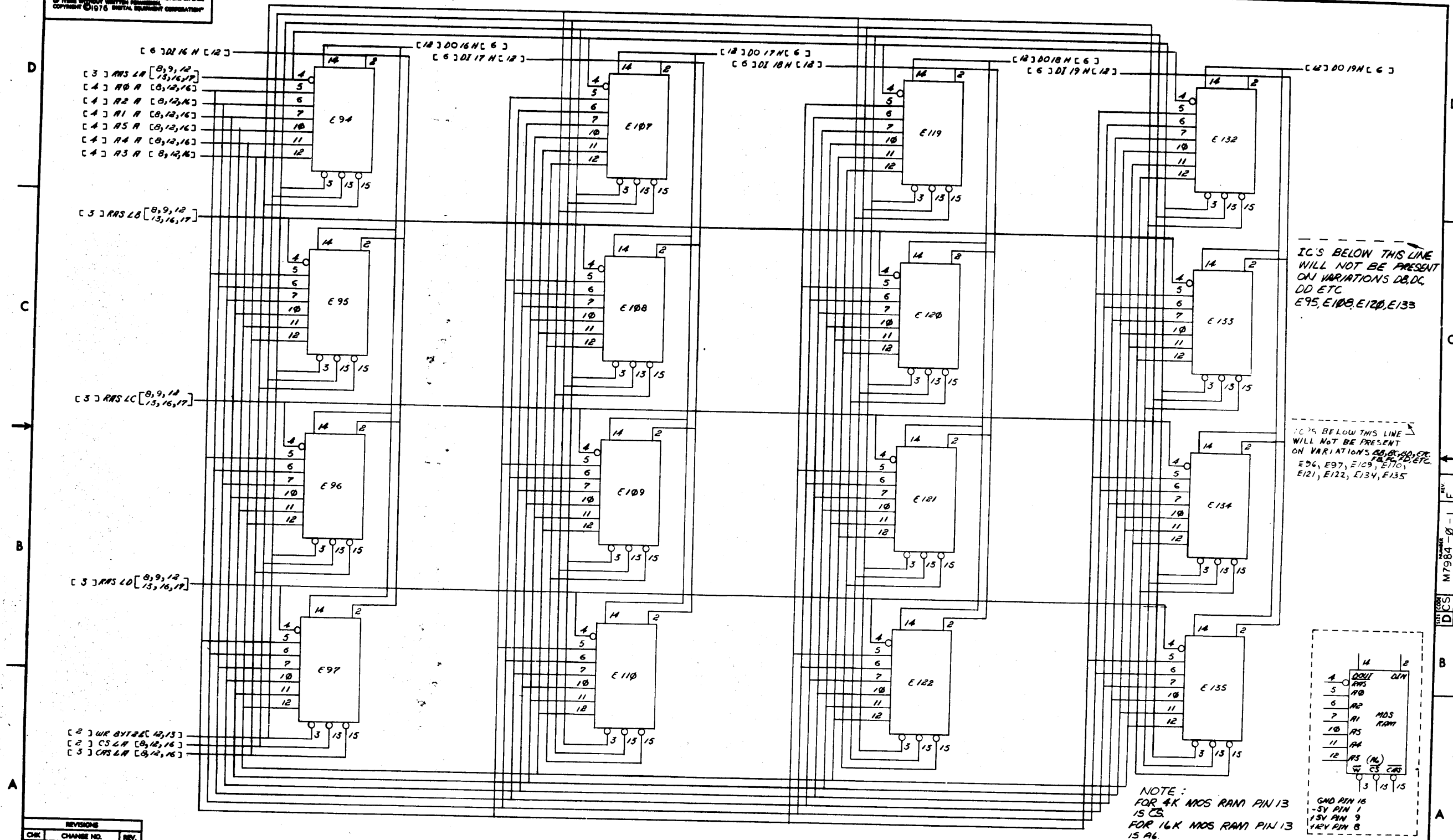
IC'S BELOW THIS LINE
WILL NOT BE PRESENT
ON VARIATIONS ~~BB, CC, DD, ETC.~~
FB, FC, FD, ETC.
E143, E144, E155, E156,
E167, E168; E179, E180

NOTE:
FOR 4K MOS RAM PIN 13 IS CS.
FOR 16K MOS RAM PIN 13 IS A6.

TITLE		MS11-K (ARRAY)		SIZE CODE		NUMBER		REV.	
				D CS		M7984-0-1		E	
SCALE		NONE		INSET		9 OF 17		DIST.	



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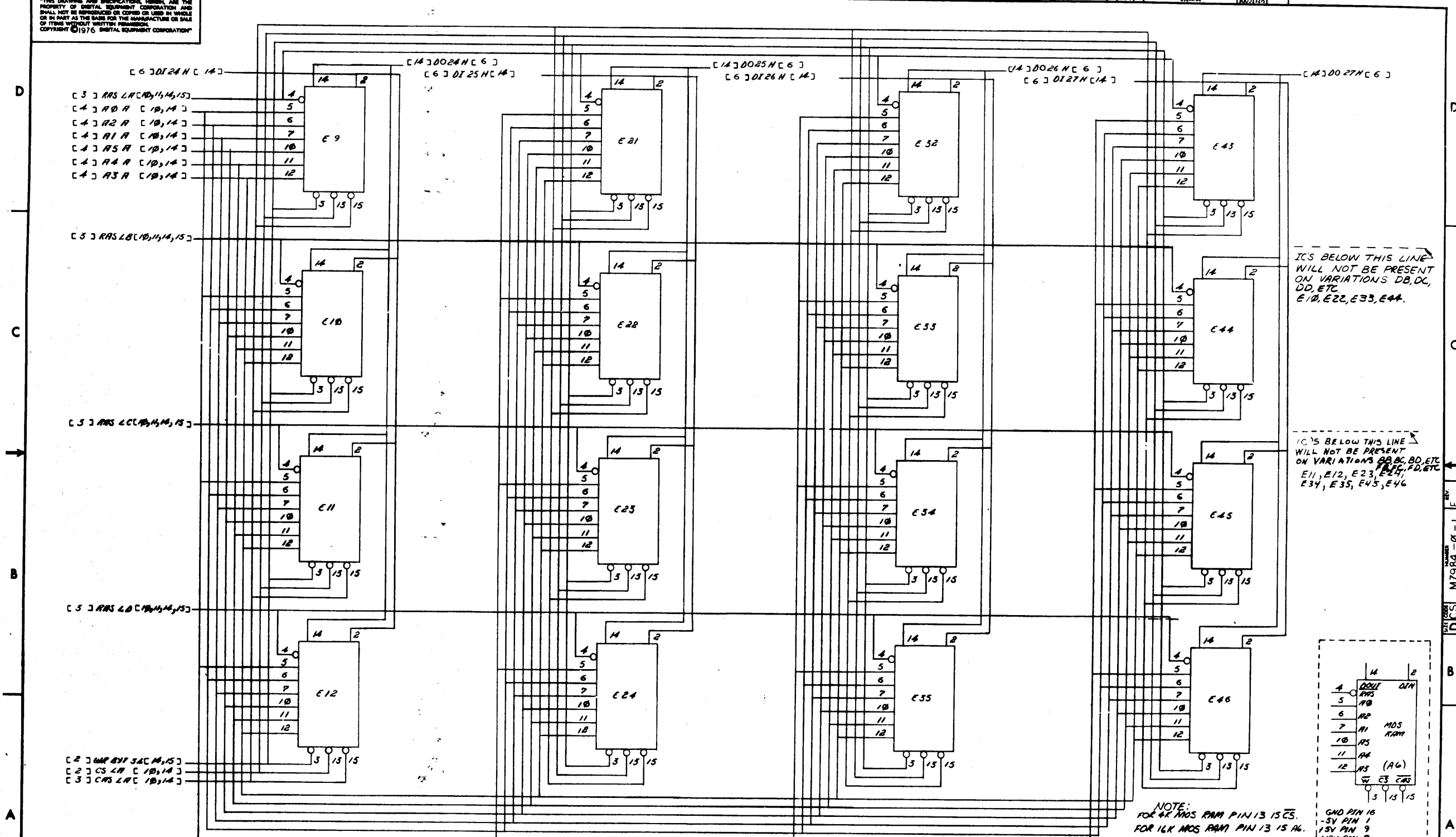


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		MS11-K (ARRAY)	SIZE CODE	NUMBER	REV.
SCALE		NONE	SHEET 12 OF 17	DIST.	E

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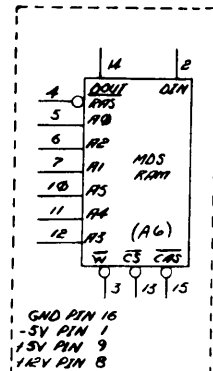
DIGITAL EQUIPMENT CORPORATION
M7984-0-1
2



IC'S BELOW THIS LINE
WILL NOT BE PRESENT
ON VARIATIONS DB, DC,
DD, ETC.
E10, E22, E33, E44.

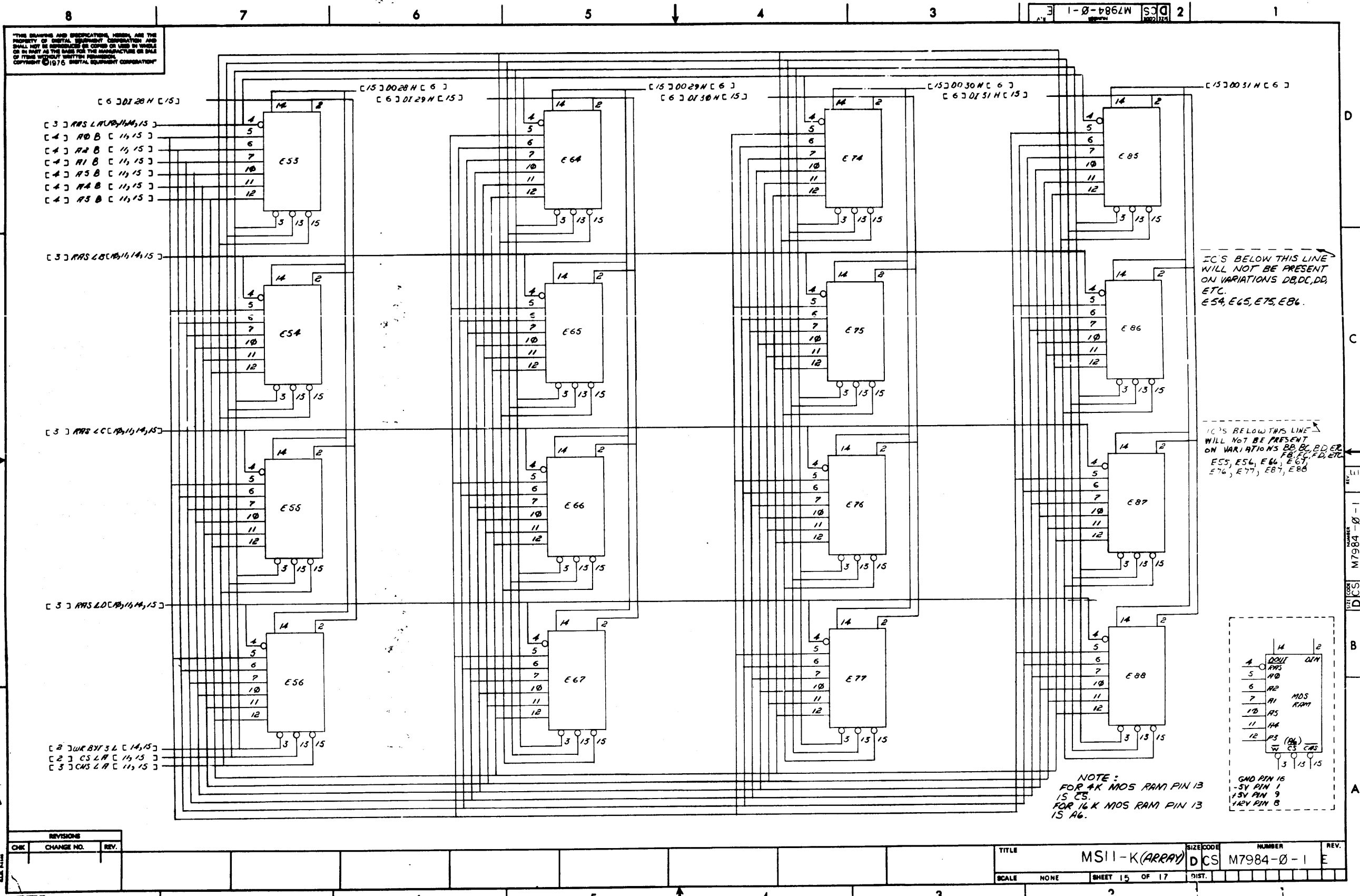
IC'S BELOW THIS LINE
WILL NOT BE PRESENT
ON VARIATIONS DB, DC, DD, ETC.
E11, E12, E23, E24,
E34, E35, E45, E46.

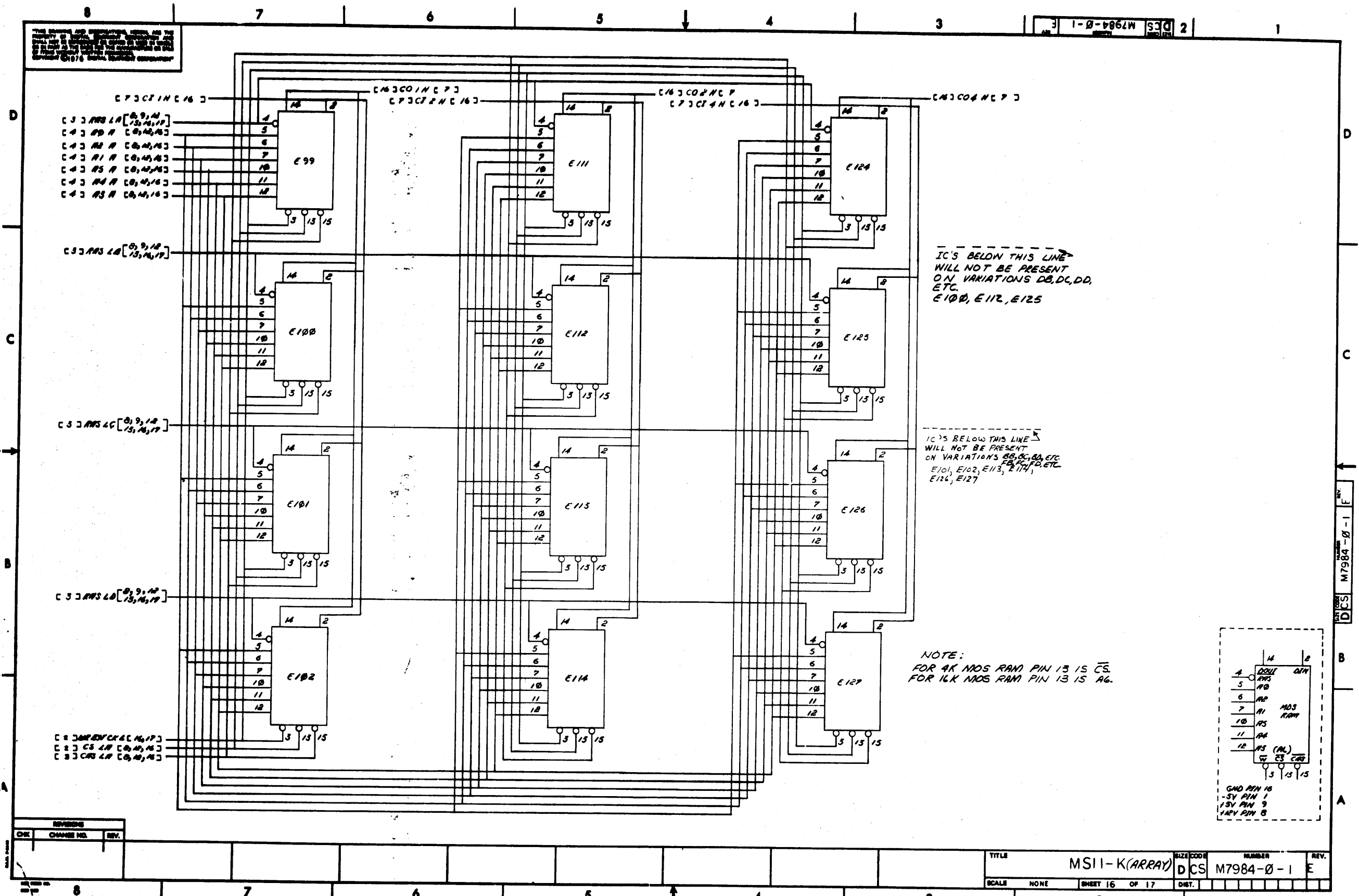
NOTE:
FOR 4K MOS RAM PIN 13 IS CS.
FOR 16K MOS RAM PIN 13 IS AG.



REVISIONS		
CHK	CHANGE NO.	REV.

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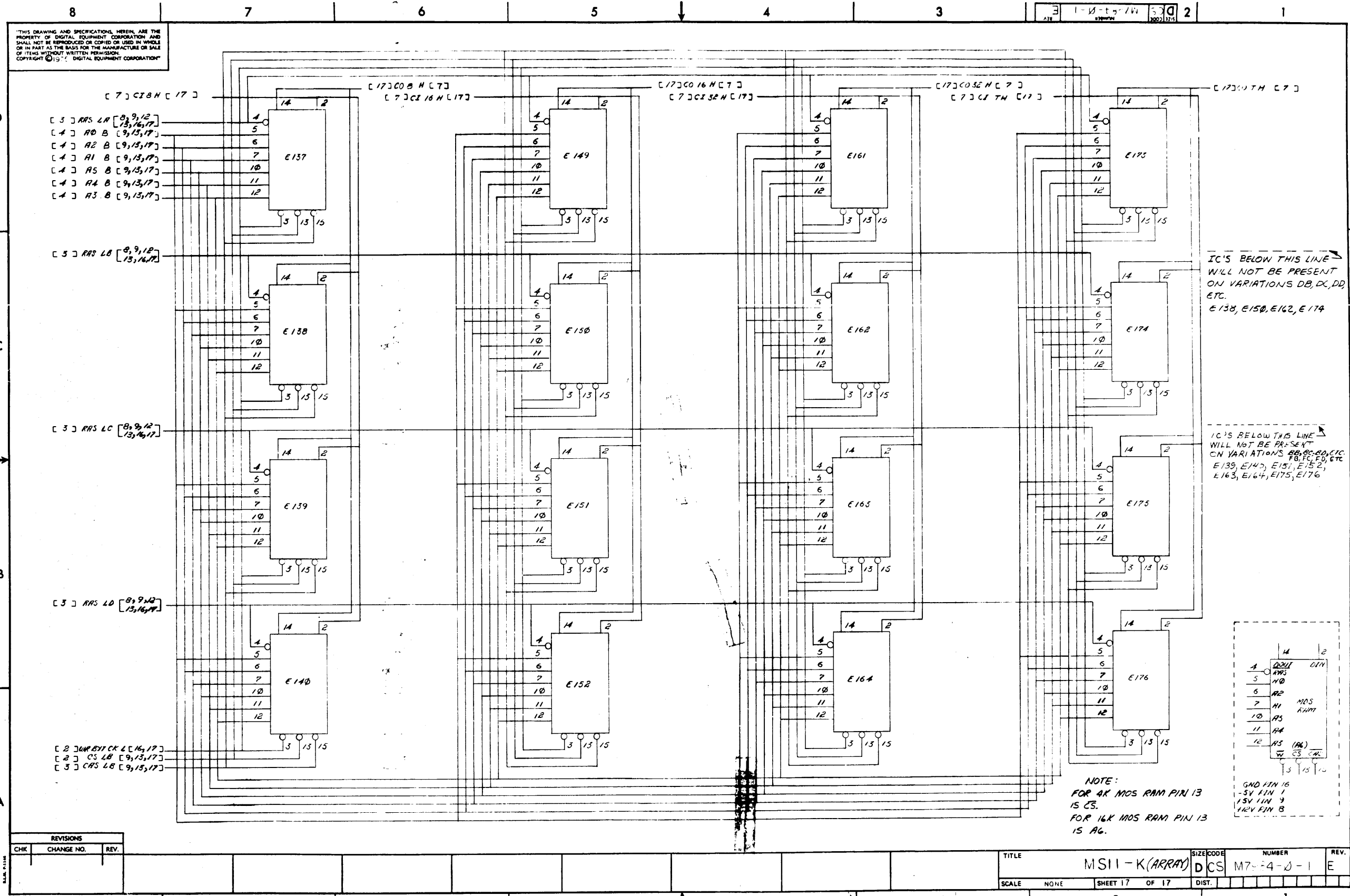


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DCS M7984-0-1 2

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
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SCALE	NONE	SHEET 16 OF 17	DIST.	



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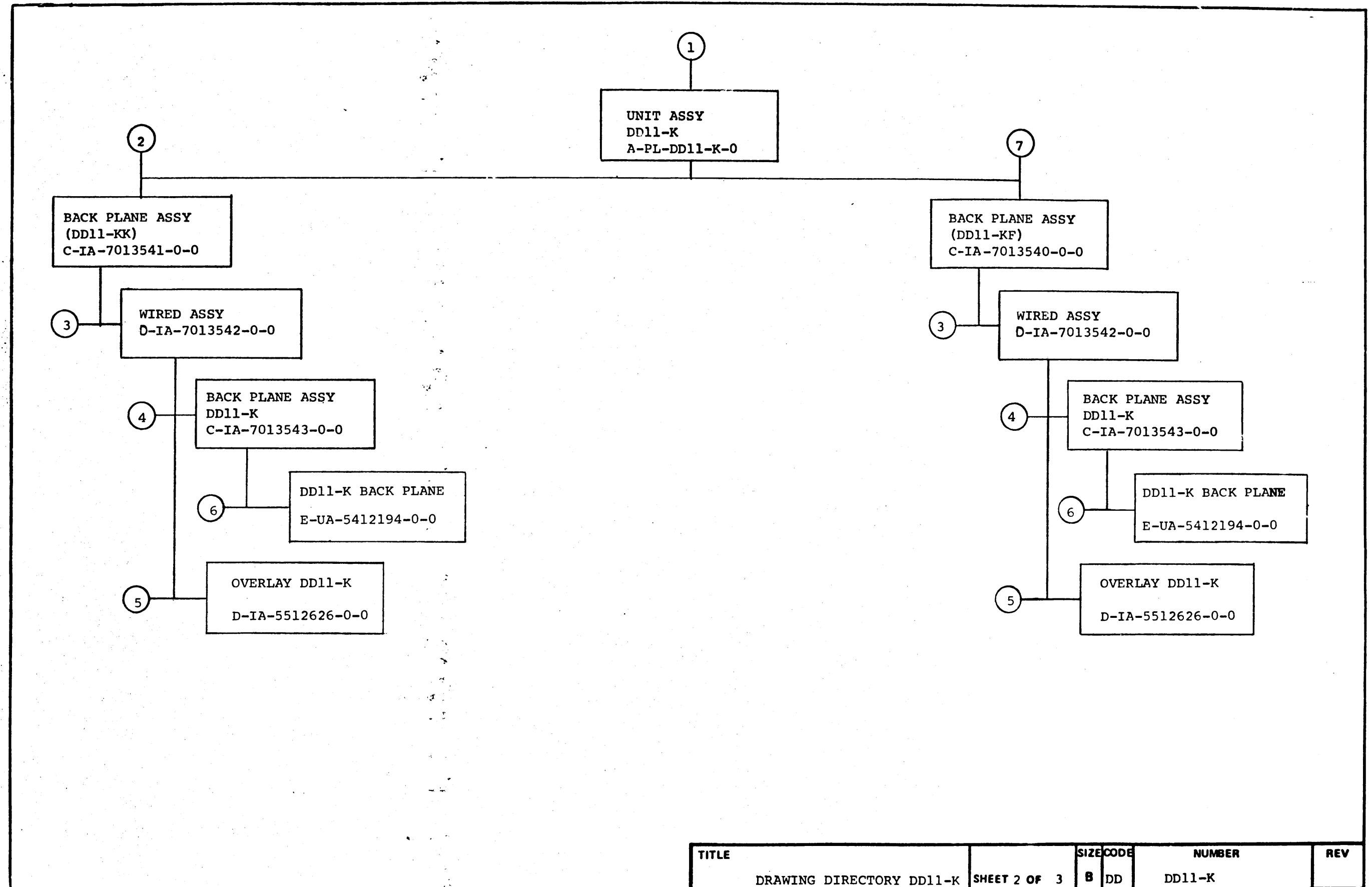
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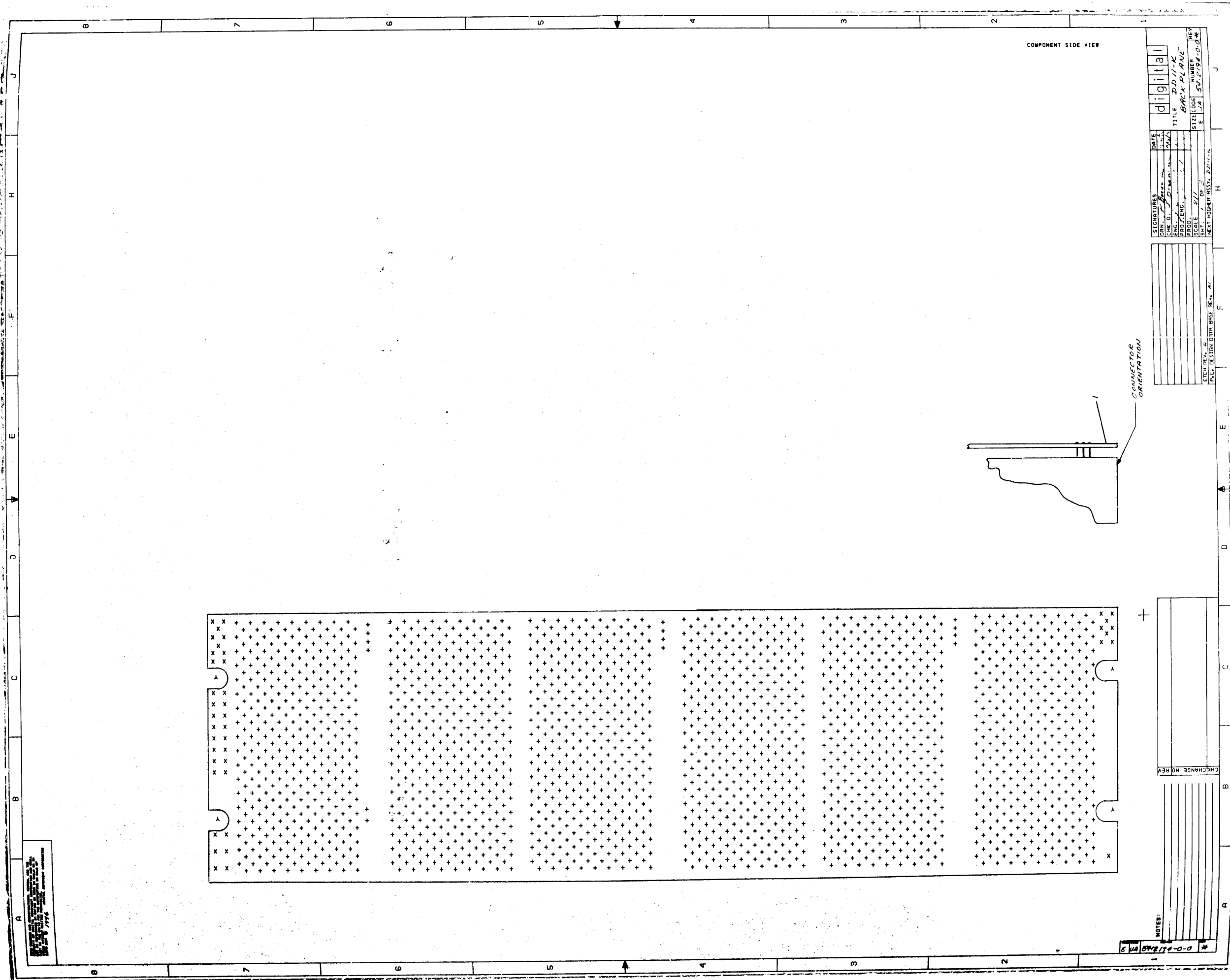
TABLE OF CONTENTS

[illegible]

PRINT SET ORDER NO.
MP00276

REVISIONS	REV.		USED ON OPTION/MODEL	DRN. H. DARAKTIAN	DATE 21 FEB 77	TITLE: DD11-K										digital			
	CHG. NO.		DD11-K	CHK'D	DATE														
				W. WEDEKING	21 FEB 77														
				PROJ. ENG. J.C. Montan	DATE 21 FEB 77														
	DATE				FIELD SERV. H. [Signature]	DATE 22 FEB 77	SIZE B	CODE TC	NUMBER DD11-K-1				REV.						
				SHEET 1 OF 1			DIST.												

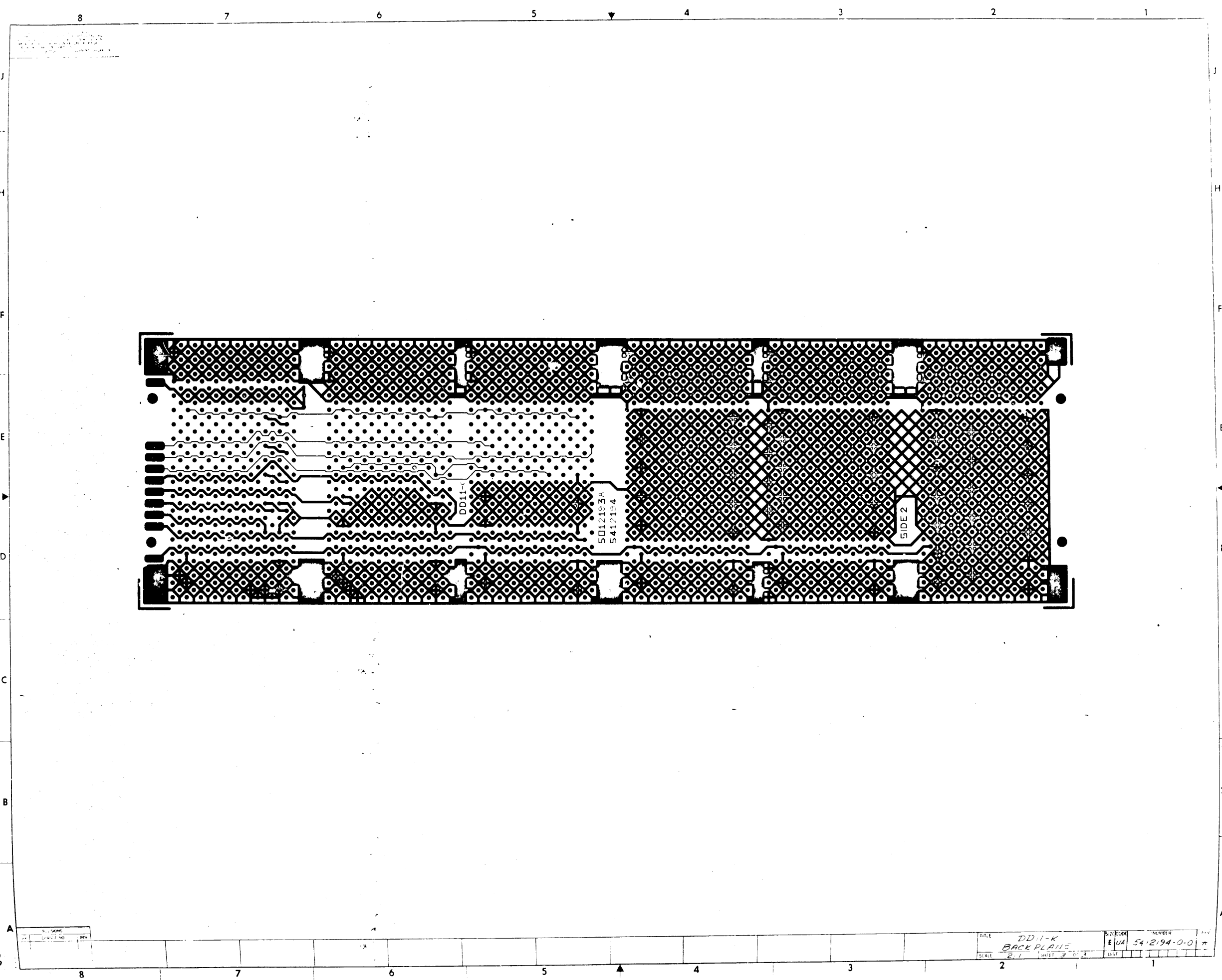




[illegible]

TITLE	DDII-K BACKPLANE		SIZE CODE	E U/A		NUMBER	54,2194-0-0		REV	
SCALE	2/1		SHEET	2 OF 3		DIST				

5412194-110 X



96

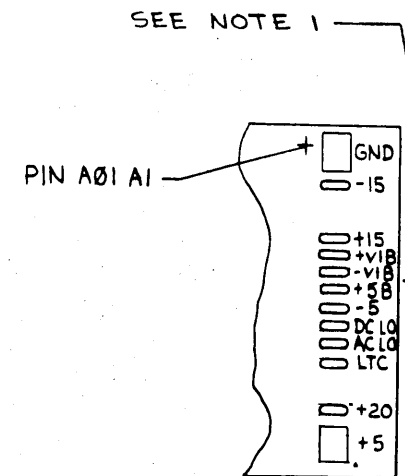
REV	DATE	BY
1	5-1-79	WJ

TITLE		DD 1-K		SIZE CODE		NUMBER	
BACK PLANE		EUA		5412194-0-0			
SCALE		2:1		SHEET		3 OF 3	

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WIRE TABLE

FROM				TO			
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLU	P4-13	SOLDER	-15 V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRY	P2-2		+15
BLK	P4-8		GND	GRN	P2-3		+20
ORN	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-10	SOLDER	+5B
WHT	P4-6		+VIB	ITEM#3	ITEM#4	SOLDER	GND
GRN	P4-15		-VIB				
YEL	P3-4		AC LO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DC LO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				



VIEW A

NOTES:

1. +VIB & -VIB MAY BE SELECTED AS $\pm 15V$ OR $\pm 12V$ AT THE H785 REGULATOR. $\pm 12V$ WILL BE USED FOR THE MS11-K. $\pm 15V$ WILL BE USED FOR OTHER MEMORIES USED IN THE DD11-K.
2. INSTALL TERMINAL (ITEM 4) UNDER LOGIC FRAME MTG. SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.
3. THE BAI1-F POWER HARNESS (ITEM #2) IS NOT ELECTRICALLY COMPATIBLE WITH THE BAI1-L OR BAI1-K MOUNTING BOX.

SLOT

1
2
3
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9

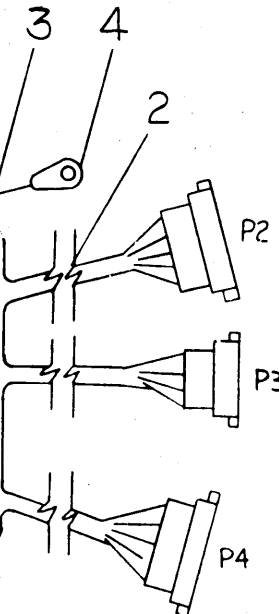
SIDE 2

5012193 5412194

DD11-K

PIN A01 A1

SEE VIEW 'A'



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	TERMINAL, SOLDER	9008150-00	4
A/R	WIRE, BLK STRD #14	9107370-00	3
1	POWER HARNESS BAI1-F	D-IA-7011109-0-0	2
1	WIRED ASSY DD11-K	C-IA-7013542-0-0	1

FIRST USED ON OPTION/MODEL		DD11-KF	
DIMENSIONAL TOLERANCE		DIMENSIONS ARE ~~MILLIMETERS~~ INCHES UNLESS OTHERWISE SPECIFIED	
MILLIMETERS	INCHES	ANGLES	
X,XX = ± 0.10	.XXX = ± 0.005	$30^\circ 30'$	
X,X = ± 0.5	.XX = ± 0.02		
X = ± 1	.X = ± 0.1		
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	NEXT HIGHER ASSY.	
MATERIAL SEE PARTS LIST		FINISH	
SCALE NONE		SHEET 1 OF 1	

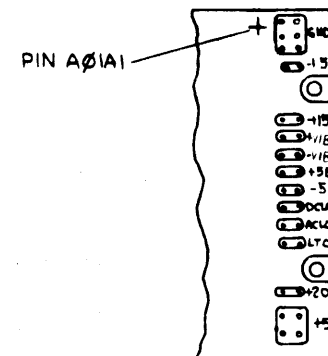
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CHK'D	DATE 30 NOV 76		
ENG.	DATE 21 FEB 77		
PROJ. ENG.	DATE 21 FEB 77		
PROV.	DATE 14 MAR 77	TITLE BACK PLANE ASSY (DD11-KF)	
A-PL-DD11-K-0		SIZE CODE C IA	NUMBER 7013540-0-0
DIST.		REV.	

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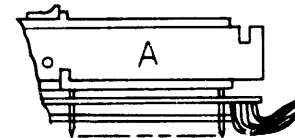
WIRE TABLE

FROM			TO	FROM			TO
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLUE	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRAY	P2-2		+15
BLK	P4-8		GND	ORG	P2-3		+20
ORG	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-12	SOLDER	+5B
WHT	P4-6		+VIB	ITEM 3	ITEM 4	SOLDER	GND
GRN	P4-15		-VIB				
YEL	P3-4		ACLO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DCLO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				

SEE NOTE 1



VIEW A



PIN AØIAI

SEE VIEW A

SLOT

1
2
3
4
5
6
7
8
9

SIDE 2

5012193 5412194

DDII-K

P2

P3

P4

1	TERMINAL, SOLDER	9008150-00	4
2	WIRE, BLK STRD #14	9107370-00	3
1	POWER HARNESS (BAIL-K, BAIL-L)	D-IA-701108-0-0	2
1	WIRED ASSY DDII-K	D-IA-7013542-0-0	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
DDII-KK					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE ~~MILLIMETERS~~ INCHES		DRY	DATE		
UNLESS OTHERWISE SPECIFIED		CHK'D	DATE		
MILLIMETERS	INCHES	ANGLES	DATE	TITLE	
X.XX ±0.10	.XXX ±.005	±0° 30'	2/7/67		
.XX ±0.5	.XX ±.02		2/1/68		
.X ±.1	.X ±.1		4/2/67	BACKPLANE ASS'Y (DDII-KK)	
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.		
MATERIAL SEE PARTS LIST		A-PL-DDII-K-Ø		SIZE CODE	NUMBER
FINISH + +		SCALE NONE		CIA	7013541-0-0
		SHEET 1 OF 1		DIST.	REV.

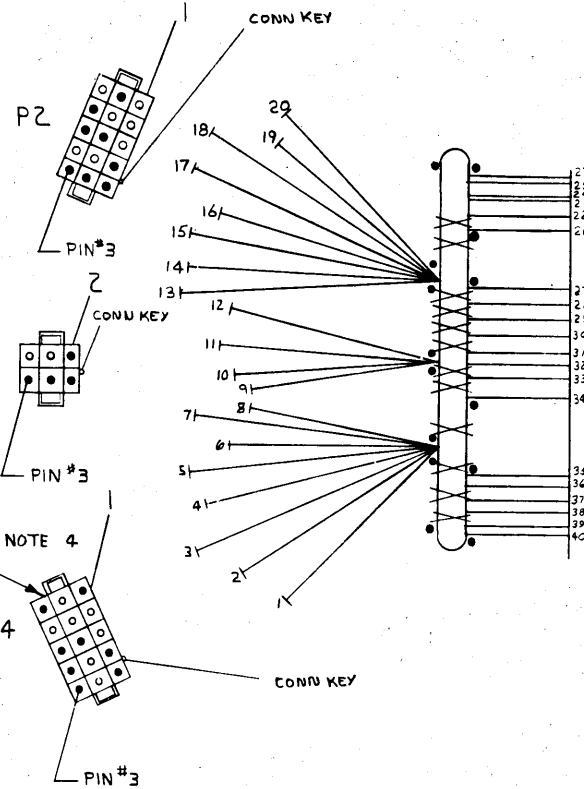
NOTES:

1. +VIB & -VIB MAY BE SELECTED AS ±15V OR ±12V AT THE H785 REGULATOR. ±12V WILL BE USED FOR THE MS11-K. ±15V WILL BE USED FOR OTHER MEMORIES USED IN THE DD11-K.
2. INSTALL TERMINAL (ITEM 4) UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.

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WIRING TABLE

ITEM NO.	DESCRIPTION	FROM			TO			SIGNAL	LENGTH
		AWG	COLOR	POINT	CONNECTION	WITH	POINT		
9	#18	BLUE	1	P4-13	3	26	SOLDER	-15V	7
5	14	RED	2	P4-4		37		+5V	5
5	14	RED	3	P4-1		38		+5V	5
6	14	BLK	4	P4-8		21		GND	7.75
7	14	ORN	5	P4-3		35		+20V	5
6	14	BLK	6	P4-9		22		GND	8
13	12	WHT	7	P4-6		28		+15B	6.15
12	18	GFN	8	P4-15		29		-15B	6
12	18	YEL	9	P3-4		33		ACLO	4.25
6	14	BLK	10	P3-1		23		GND	6
10	18	BRN	11	P3-2		34		LTC	4.25
11	18	VIO	12	P3-3		32		DCLO	4.25
5	14	RED	13	P2-4		39		+5V	7.50
5	14	RED	14	P2-1		40		+5V	7.25
10	18	BRN	15	P2-14		31		-5V	5
6	14	BLK	16	P2-8		24		GND	5
8	18	GREY	17	P2-2		27		+15	4.75
7	14	ORN	18	P2-3		30		+20	6.75
6	14	BLK	19	P2-9		25		GND	5.15
5	14	RED	20	P2-12	3	30	SOLDER	+5B	5



DO NOT REDUCE

SCALE

FOR MANUFACTURING PURPOSES ONLY

NOTES:

1. USE TIE WRAPS (2) ITEM#4 AT BREAKOUT POINTS SHOWN
2. DOT(S) INDICATES NAIL LOCATION FOR ASS'Y. USE ONLY. COVER NAILS WITH SHINK TUBING TO PREVENT CUTTING HARNESS.
3. WIRE LENGTH TOLERANCES WILL BE $\pm 1/8$, -0 INCHES.
4. ALL CONN. SHOWN FROM WIRING SIDE.

FOR WIRE LENGTHS
SEE WIRING TABLE

1	POWER HARNESS DECALS	7409872-2-0	15
A/R	WIRE #18 AWG, GRN	9107360-55	4
A/R	WIRE #18 AWG, WHT	9107360-99	13
A/R	WIRE #18 AWG, YEL	9107360-44	12
A/R	WIRE #18 AWG, VIO	9107360-77	11
A/R	WIRE #18 AWG, BRN	9107360-11	10
A/R	WIRE #18 AWG, BLUE	9107360-66	1
A/R	WIRE #18 AWG, GREY	9107360-88	8
A/R	WIRE #14 AWG, ORN	9107370-33	7
A/R	WIRE #14 AWG, BLK	9107370-00	6
A/R	WIRE #14 AWG, RED	9107370-22	5
12	TIE WRAP	9007031	4
20	PIN MALE	1209378-01	3
1	CONN. 6 PIN HOUSING	1209351-06	2
2	CONN. 15 PIN HOUSING	1209351-15	1

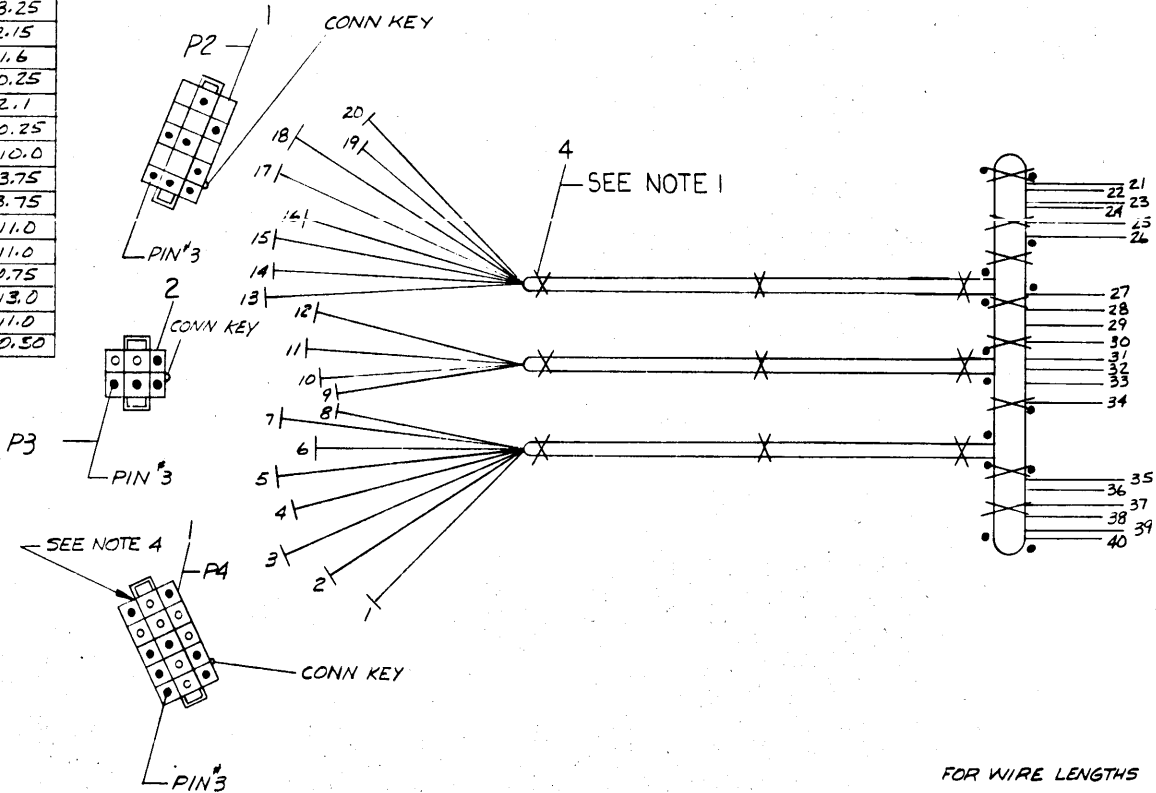
REV.	CHANGE NO.	DATE	BY	CHKD.
1	1	10/10/80	D. BAHAY	
2	2	10/10/80	P. PORRECA	

THIRD ANGLE PROJECTION	DRN. <i>P. Porreca</i> 9/11/80	FIRST USED ON	DD11-D
REMOVE BLURS AND BREAK SHARP CORNERS	CHK'D. <i>P. Porreca</i> 5/31/80	TITLE	POWER HARNESS (BAIL-K, BAIL-L)
DO NOT SCALE DWG	PROJ. ENG. <i>P. Porreca</i> 5/31/80	SIZE	C-AD-701164-0-0
MATERIAL SEE PARTS LIST	PROD. <i>P. Porreca</i> 5/31/80	SCALE	1/1
FINISH		SHEET	OF 1

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WIRING TABLE

ITEM NO	AWG	COLOR	POINT	FROM CONNECTION	WITH	POINT	TO CONNECTION	SIGNAL	LENGTH
4	18	BLU	1	P4-13	3	26	SOLDER	-15V	12.75
5	14	RED	2	P4-4		37		+5V	11
6	14	RED	3	P4-1		38		+5V	11.25
6	14	BLK	4	P4-8		21		GND	13.75
7	14	ORN	5	P4-3		35		+20V	11.0
6	14	BLK	6	P4-9		22		GND	13.25
13	18	WHT	7	P4-6		28		+5B	12.15
14	18	GRN	8	P4-15		29		-15B	11.6
12	18	YEL	9	P3-4		33		ACLO	10.25
6	14	BLK	10	P3-1		23		GND	12.1
10	18	BRN	11	P3-2		34		LTC	10.25
11	18	WHT	12	P3-3		32		DCLO	10.0
5	14	RED	13	P2-4		39		+5V	13.75
5	14	RED	14	P2-1		40		+5V	13.75
5	14	BRN	15	P2-14		31		-5V	11.0
6	14	BLK	16	P2-8		24		GND	11.0
8	18	GRY	17	P2-2		27		+15	10.75
7	14	ORN	18	P2-3		36		+20	13.0
6	14	BLK	19	P2-9		25		GND	11.0
5	14	RED	20	P2-10	3	30	SOLDER	+5B	10.50



NOTES:

1. USE TIE WRAPS (X) ITEM 4 AT BREAKOUT POINTS SHOWN.
2. DOT (•) INDICATES NAIL LOCATION FOR ASSEMBLY USE ONLY. COVER TAILS WITH SHRINK TUBING.
3. WIRE LENGTH TOL WILL BE $\pm .12$ IN.
4. ALL CONN SHOWN FROM WIRING SIDE.
5. STRIP $\frac{1}{8}$ " INSULATION FROM POINTS 21 THRU 40 AND FULL TIN POINTS 21 THRU 40.

1	POWER HARNESS DECAL	74099-2-2	6
18	WIRE #14 AWG (BRN)	9107370-11	5
18	WIRE #18 AWG (GRN)	9107360-55	14
18	WIRE #18 AWG (WHT)	9107360-99	13
18	WIRE #18 AWG (YEL)	9107360-44	12
18	WIRE #18 AWG (VID)	9107360-77	11
18	WIRE #18 AWG (BRN)	9107360-11	10
18	WIRE #18 AWG (BLU)	9107360-66	9
18	WIRE #18 AWG (GRY)	9107360-88	8
18	WIRE #14 AWG (ORN)	9107370-33	7
18	WIRE #14 AWG (BLK)	9107370-00	6
18	WIRE #14 AWG (RED)	9107370-22	5
17	TIE WRAP	9007031	4
20	PIN MALE	1209378-C1	3
1	CONN 6 PIN HOUSING	1209351-C6	2
2	CONN 15 PIN HOUSING	1209351-15	1

FOR WIRE LENGTHS
SEE WIRING TABLE

DO NOT REDUCE

SCALE
6 IN

FOR MANUFACTURING PURPOSES ONLY

REV.	CHG	NO.	DATE	BY	APP.
1	A	1	10/11/77	D. BARRY	
2	B	1	10/11/77	P. PORRECA	

THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS	DO NOT SCALE DWG	MATERIAL SEE PARTS LIST	FINISH
QUANTITY & VARIATION				
DESCRIPTION				
DWG/PART NO.				
ITEM NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES				
CLASS OF ACCURACY				
SURFACE QUALITY				
MEDIUM				
PREFERRED				
FIRST USED ON				
DDII-OF, PF				
TITLE				
POWER HARNESS (BAII-F)				
C:AD-7012307-0-0				
SCALE 1/1				
SHEET 1 OF 1				
DIST.				
REV. B				

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DIGITAL EQUIP. CORP.

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DDII-K				

PARTS LIST	
DRN.	DATE
<i>H. Pandeyan</i>	9 NOV 76
CHK'D.	DATE
<i>E. McKing</i>	2 DEC 76
ENG.	DATE
<i>D. W. Law</i>	21 FEB 77
PROJ. ENG.	DATE
<i>J. B. Hinton</i>	21 FEB 77
PROD.	DATE
<i>A. Lee</i>	14 FEB 77
NEXT HIGHER ASSEMBLY	
B-DD-DDII-K	
SCALE	<i>1 1</i>
SHEET	<i>1 OF 1</i>

SIZE	CODE	NUMBER	REV.
K	WL	7013542-0-1	

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
WIRE LIST
DDII-K

0011KK.P1		WRP288.V34(63)-1		23-AUG-76		27-DEC-76		11:30		PAGE 3		RUN			
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS	FLAG	NUMBER
+5V BB		B02D1		1-01 *	P						1			1	5
+5V BB		B03D1		1-02 *	P						2			1	5
+5V BB		B04D1		1-03 *	P						2			1	5
+5V BB		B05D1		1-04 *	P						2			1	5
+5V BB		B06D1		1-05 *	P						2			1	5
+5V BB		B07D1		1-06 *	P						2			1	5
+5V BB		B08D1		1-07 *	P						2			1	5
+5V BB				1									6-0/8	1400000000	5
-12V/-15V BB		A02S1		1-01 *	P						1			1	6
-12V/-15V BB		A03S1		1-02 *	P						2			1	6
-12V/-15V BB		A04S1		1-03 *	P						2			1	6
-12V/-15V BB		A05S1		1-04 *	P						2			1	6
-12V/-15V BB		A06S1		1-05 *	P						2			1	6
-12V/-15V BB		A07S1		1-06 *	P						2			1	6
-12V/-15V BB		A08S1		1-07 *	P						2			1	6
-12V/-15V BB				1									6-0/8	1400000000	6
-15V		C01B2		1-01 *	P						2			1	7
-15V		C02B2		1-02 *	P						2			1	7
-15V		C03B2		1-03 *	P						2			1	7
-15V		C04B2		1-04 *	P						2			1	7
-15V		C05B2		1-05 *	P						2			1	7
-15V		C06B2		1-06 *	P						2			1	7
-15V		C07B2		1-07 *	P						2			1	7
-15V		C08B2		1-08 *	P						2			1	7
-15V		C09B2		1-09 *	P						2			1	7
-15V		D09B2		1-10 *	P						2			1	7
-15V		D08B2		1-11 *	P						2			1	7
-15V		D07B2		1-12 *	P						2			1	7
-15V		D06B2		1-13 *	P						2			1	7
-15V		D05B2		1-14 *	P						2			1	7
-15V		D04B2		1-15 *	P						2			1	7
-15V		D03B2		1-16 *	P						2			1	7
-15V		D02B2		1-17 *	P						2			1	7
-15V		D01B2		1-18 *	P						2			1	7
-15V		E01B2		1-19 *	P						2			1	7
-15V		E02B2		1-20 *	P						2			1	7
-15V		E03B2		1-21 *	P						2			1	7
-15V		E04B2		1-22 *	P						2			1	7
-15V		E05B2		1-23 *	P						2			1	7
-15V		E06B2		1-24 *	P						2			1	7
-15V		E07B2		1-25 *	P						2			1	7
-15V		E08B2		1-26 *	P						2			1	7
-15V		E09B2		1-27 *	P						2			1	7
-15V		F09B2		1-28 *	P						2			1	7
-15V		F08B2		1-29 *	P						2			1	7
-15V		F07B2		1-30 *	P						2			1	7
-15V		F06B2		1-31 *	P						2			1	7
-15V		F05B2		1-32 *	P						2			1	7
-15V		F04B2		1-33 *	P						2			1	7
-15V		F03B2		1-34 *	P						2			1	7
-15V		F02B2		1-35 *	P						2			1	7
-15V		F01B2		1-36 *	X						2			1	7
-15V													41-4/8	1400000000	7

DD11KK.P1														
WRP288.V34(63)-1 23-AUG-76														
A/P PIN ORDER PIN BAY - Q DRAW RV RG Y X Z REMARKS														
NAME ORDER PIN OPT FLAG														
NC LENGTH EXCEPTIONS														
PAGE 4														
RUN NUMBER														
-5V	B02V2	1-01 *	P					2			1	8		
-5V	B03V2	1-02 *	P									8		
-5V											1-0/8	1400000000	8	
A BG IN	D01U2	1-01 *						1			N	3-7/8	9	
A BG IN	F01B1	1-02 *										3-7/8	1400000000	9
A BG IN											N	3-7/8	10	
A BG OUT	D01V2	1-01 *						1			N	6-5/8	11	
A BG OUT	F01A1	1-02 *									N	1	11	
A BG OUT											7-5/8	1400000000	11	
A BR OUT	D01J2	1-01 *						1			N	3-4/8	12	
A BR OUT	F01P1	1-02 *						2				3-4/8	1400000000	12
A BR OUT	F01U2	1-03 *						1			N	6-3/8	13	
A BR OUT												6-3/8	1400000000	13
A INT A	D01I1	1-01 *						1			N	8-5/8	14	
A INT A	F01U1	1-02 *										8-5/8	1400000000	14
A INT A											N	6-5/8	15	
A INT B	C01U1	1-01 *						1				6-5/8	1400000000	15
A INT B	F01M2	1-02 *									N	8-1/8	16	
A INT B												8-1/8	1400000000	16
A INT ENB A	D01M1	1-01 *						1			N	3-3/8	17	
A INT ENB A	F01V1	1-02 *										3-3/8	1400000000	17
A INT ENB A											N	4	18	
A INT ENB B	C01L1	1-01 *						1			N	4-0/8	1400000000	18
A INT ENB B	F01M2	1-02 *										4-1/8	1400000000	19
A INT ENB B											N	4-1/8	1400000000	19
A OUT HIGH	D01M1	1-01 *						1				4-1/8	1400000000	20
A OUT HIGH	E01M2	1-02 *									N	4-3/8	21	
A OUT HIGH												4-3/8	1400000000	21
A OUT LOW	D01O1	1-01 *						1			N	4-4/6	22	
A OUT LOW	E01M1	1-02 *										4-4/6	1400000000	22
A OUT LOW											N	4-4/6	23	
A SEL 0	D01F1	1-01 *						1				4-3/8	24	
A SEL 0	F01S2	1-02 *									N	4-3/8	1400000000	24
A SEL 0												4-3/8	1400000000	24
A SEL 4	D01F1	1-01 *						1				4-3/8	25	
A SEL 4	E01P2	1-02 *									N	4-4/6	26	
A SEL 4												4-4/6	1400000000	26
A SEL 6	D01C1	1-01 *						1			N	4-4/6	27	
A SEL 6	E01S1	1-02 *										4-4/6	1400000000	27
A SEL 6											N	4-4/6	28	
A SEL 6												4-4/6	1400000000	28

DD11KK.PI RUN NAME	A/P NAME	MRP280.V34(63)-1 ORDER PIN	23-AUG-76 DAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	27-DEC-76	11130 NC FLAG	LENGTH	PAGE 7 EXCEPTIONS	RUN NUMBER
BG4 D	D0372		1-01 * P							1				0-5/8		44
BG4 D	D0482		1-02 * X											0-5/8	1400000000	44
BG4 D			1													44
BG4 E	D0472		1-01 * P							1				0-5/8		45
BG4 E	D0552		1-02 * X											0-5/8	1400000000	45
BG4 E			1													45
BG4 F	D0572		1-01 * P							1				0-5/8		46
BG4 F	D0652		1-02 * X											0-5/8	1400000000	46
BG4 F			1													46
BG4 H	D0672		1-01 * P							1				0-5/8		47
BG4 H	D0752		1-02 * X											0-5/8	1400000000	47
BG4 H			1													47
BG4 J	D0772		1-01 * P							1				0-5/8		48
BG4 J	D0852		1-02 * X											0-5/8	1400000000	48
BG4 J			1													48
BG4 K	D0872		1-01 * P							1				0-5/8		49
BG4 K	D0952		1-02 * X											0-5/8	1400000000	49
BG4 K			1													49
BG4 L	B09E2		1-01 * H							1	TWP			7-1/8		50
BG4 L	D0972		1-02 * X											7-1/8	1400000000	50
BG4 L			1													50
BG5 A	B01B1		1-01 * H							1	TWP			7-1/8		51
BG5 A	D01P2		1-02 * X											7-1/8	1400000000	51
BG5 A			1													51
BG5 B	D01R2		1-01 * P							1				0-5/8		52
BG5 B	D02P2		1-02 * X											0-5/8	1400000000	52
BG5 B			1													52
BG5 C	D02R2		1-01 * P							1				0-5/8		53
BG5 C	D03P2		1-02 * X											0-5/8	1400000000	53
BG5 C			1													53
BG5 D	D03R2		1-01 * P							1				0-5/8		54
BG5 D	D04P2		1-02 * X											0-5/8	1400000000	54
BG5 D			1													54
BG5 E	D04R2		1-01 * P							1				0-5/8		55
BG5 E	D05P2		1-02 * X											0-5/8	1400000000	55
BG5 E			1													55
BG5 F	D05R2		1-01 * P							1				0-5/8		56
BG5 F	D06P2		1-02 * X											0-5/8	1400000000	56
BG5 F			1													56
BG5 H	D06R2		1-01 * P							1				0-5/8		57
BG5 H	D07P2		1-02 * X											0-5/8	1400000000	57
BG5 H			1													57

DD11KK.PI		MRP280.V34(63)-1		23-AUG-76		27-DEC-76		11130		PAGE 8		RUN NUMBER
A/P		PIN		ORDER		RV		NC		LENGTH		
NAME		NAME		PIN		PG		FLAG		EXCEPTIONS		
DRAW		OPT		X		Z		REMARKS				
BG5 J	D07R2	1-01 * P	1							0-5/8		58
BG5 J	D08P2	1-02 * X	1							0-5/8 1400000000		58
BG5 J												58
BG5 K	D08R2	1-01 * P	1							0-5/8		59
BG5 K	D09P2	1-02 * X	1							0-5/8 1400000000		59
BG5 K												59
BG5 L	B09B1	1-01 * H	1							7-3/8		60
BG5 L	D09R2	1-02 * X	1							7-3/8 1400000000		60
BG5 L												60
BG6 A	B01A1	1-01 * H	1							7-1/8		61
BG6 A	D01P2	1-02 * X	1							7-1/8 1400000000		61
BG6 A												61
BG6 B	D01R2	1-01 * P	1							0-5/8		62
BG6 B	D02P2	1-02 * X	1							0-5/8 1400000000		62
BG6 B												62
BG6 C	D02R2	1-01 * P	1							0-5/8		63
BG6 C	D03P2	1-02 * X	1							0-5/8 1400000000		63
BG6 C												63
BG6 D	D03R2	1-01 * P	1							0-5/8		64
BG6 D	D04P2	1-02 * X	1							0-5/8 1400000000		64
BG6 D												64
BG6 E	D04R2	1-01 * P	1							0-5/8		65
BG6 E	D05P2	1-02 * X	1							0-5/8 1400000000		65
BG6 E												65
BG6 F	D05R2	1-01 * P	1							0-5/8		66
BG6 F	D06P2	1-02 * X	1							0-5/8 1400000000		66
BG6 F												66
BG6 H	D06R2	1-01 * P	1							0-5/8		67
BG6 H	D07P2	1-02 * X	1							0-5/8 1400000000		67
BG6 H												67
BG6 J	D07R2	1-01 * P	1							0-5/8		68
BG6 J	D08P2	1-02 * X	1							0-5/8 1400000000		68
BG6 J												68
BG6 K	D08R2	1-01 * P	1							0-5/8		69
BG6 K	D09P2	1-02 * X	1							0-5/8 1400000000		69
BG6 K												69
BG6 L	B09A1	1-01 * H	1							7-3/8		70
BG6 L	D09R2	1-02 * X	1							7-3/8 1400000000		70
BG6 L												70
BG7 A	B01V1	1-01 * H	1							7-3/8		71
BG7 A	B01K2	1-02 * X	1							7-3/8 1400000000		71
BG7 A												71

DD11K.P1 RUN NAME	A/P PIN	ORDER PIN	RAY ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	27-Dec-76	11130 NC LENGTH EXCEPTIONS FLAG	PAGE 11	RUN NUMBER
BUS A00 L			1-01 *	P						2			1		95
BUS A00 L			1-02 *	P						1			N	0-2/8	95
BUS A00 L			1-03 *							2			N		95
BUS A00 L			1-04 *							1			N		95
BUS A00 L			1-05 *							2			N		95
BUS A00 L			1-06 *							1			N		95
BUS A00 L			1-07 *							2			N		95
BUS A00 L			1-08 *							1			N		95
BUS A00 L			1-09 *							2			N		95
BUS A00 L			1-10 *							1			N		95
BUS A00 L			1-11 *							2			N		95
BUS A00 L			1-12 *							1			N	0-2/8	95
BUS A00 L			1-13 *							1			N		95
BUS A01 L			1-01 *	P						2			26-4/8	1400000000	95
BUS A01 L			1-02 *	P						1			1		96
BUS A01 L			1-03 *	P						1			N	0-2/8	96
BUS A01 L			1-04 *	P						2			1		96
BUS A01 L			1-05 *	P						1			1		96
BUS A01 L			1-06 *	P						2			1		96
BUS A01 L			1-07 *	P						1			1-4/8		96
BUS A01 L			1-08 *	P						2			1		96
BUS A01 L			1-09 *	P						1			1		96
BUS A01 L			1-10 *	P						2			1		96
BUS A01 L			1-11 *	P						1			2-4/8		96
BUS A01 L			1-12 *							2			N	10-1/8	96
BUS A01 L			1-13 *							1			30-3/8	1400000000	96
BUS A02 L			1-01 *	P						1			1		97
BUS A02 L			1-02 *	P						2			1		97
BUS A02 L			1-03 *							1			N	0-1/8	97
BUS A02 L			1-04 *	P						2			1		97
BUS A02 L			1-05 *	P						1			1		97
BUS A02 L			1-06 *	P						2			1		97
BUS A02 L			1-07 *	P						1			1		97
BUS A02 L			1-08 *	P						2			1-4/8		97
BUS A02 L			1-09 *	P						1			1		97
BUS A02 L			1-10 *	P						2			1		97
BUS A02 L			1-11 *	P						1			2		97
BUS A02 L			1-12 *							2			N	9-5/8	97
BUS A02 L			1-13 *							1			29-2/8	1400000000	97

DD11K.P1 RUN NAME	A/P PIN	ORDER PIN	RAY ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	27-Dec-76	11130 NC LENGTH EXCEPTIONS FLAG	PAGE 12	RUN NUMBER
BUS A03 L			1-01 *	P						1			1		98
BUS A03 L			1-02 *	P						2			1		98
BUS A03 L			1-03 *							1			N	9-5/8	98
BUS A03 L			1-04 *	P						2			1		98
BUS A03 L			1-05 *	P						1			1		98
BUS A03 L			1-06 *	P						2			1		98
BUS A03 L			1-07 *	P						1			1		98
BUS A03 L			1-08 *	P						2			1-4/8		98
BUS A03 L			1-09 *	P						1			1		98
BUS A03 L			1-10 *	P						2			1		98
BUS A03 L			1-11 *	P						1			1		98
BUS A03 L			1-12 *							2			N	10-5/8	98
BUS A03 L			1-13 *							1			31-6/8	1400000000	98
BUS A04 L			1-01 *	P						2			1		99
BUS A04 L			1-02 *	P						1			1		99
BUS A04 L			1-03 *							2			N	9-5/8	99
BUS A04 L			1-04 *	P						1			1		99
BUS A04 L			1-05 *	P						2			1-4/8		99
BUS A04 L			1-06 *	P						1			1		99
BUS A04 L			1-07 *	P						2			1		99
BUS A04 L			1-08 *	P						1			1-4/8		99
BUS A04 L			1-09 *	P						2			1		99
BUS A04 L			1-10 *	P						1			1		99
BUS A04 L			1-11 *	P						2			2		99
BUS A04 L			1-12 *							1			N	10-5/8	99
BUS A04 L			1-13 *							2			32-2/8	1400000000	99
BUS A05 L			1-01 *	P						2			1-4/8		99
BUS A05 L			1-02 *	P						1			1		99
BUS A05 L			1-03 *							2			N	9-3/8	99
BUS A05 L			1-04 *	P						1			1		99
BUS A05 L			1-05 *	P						2			1-4/8		99
BUS A05 L			1-06 *	P						1			1		99
BUS A05 L			1-07 *	P						2			1		99
BUS A05 L			1-08 *	P						1			1-4/8		99
BUS A05 L			1-09 *	P						2			1		99
BUS A05 L			1-10 *	P						1			1		99
BUS A05 L			1-11 *	P						2			2		99
BUS A05 L			1-12 *							1			N	10-5/8	99
BUS A05 L			1-13 *							2			32-4/8	1400000000	99

DD11KK.P1										MRP288.V34(63)-1 23-AUG-76										27-DEC-76										PAGE 13									
A/P		PIN		ORDER		RAY		Q		DRAW		RV		RG		Y		X		Z		REMARKS		11:30		NC		LENGTH		EXCEPTIONS		FLAG		RUN					
NAME		NAME		PIN		ORDER		RAY		Q		DRAW		RV		RG		Y		X		Z		11:30		NC		LENGTH		EXCEPTIONS		FLAG		NUMBER					
SUS A06 L		B01L2		1-01 *		P																													91				
SUS A06 L		B03L2		1-02 *		P																													91				
SUS A06 L		B02L2		1-03 *		P																													91				
SUS A06 L		E02U1		1-04 *		P																													91				
SUS A06 L		E01U1		1-05 *		P																													91				
SUS A06 L		E03U1		1-06 *		P																													91				
SUS A06 L		E04U1		1-07 *		P																													91				
SUS A06 L		E05U1		1-08 *		P																													91				
SUS A06 L		E06U1		1-09 *		P																													91				
SUS A06 L		E08U1		1-10 *		P																													91				
SUS A06 L		E09U1		1-11 *		P																													91				
SUS A06 L		E07U1		1-12 *		P																													91				
SUS A06 L		B09L2		1-13 *		P																													91				
SUS A06 L																																				91			
SUS A07 L		B01L1		1-01 *		P																														92			
SUS A07 L		B03L1		1-02 *		P																														92			
SUS A07 L		B02L1		1-03 *		P																														92			
SUS A07 L		E02P2		1-04 *		P																														92			
SUS A07 L		E01P2		1-05 *		P																														92			
SUS A07 L		E03P2		1-06 *		P																														92			
SUS A07 L		E04P2		1-07 *		P																														92			
SUS A07 L		E05P2		1-08 *		P																														92			
SUS A07 L		E06P2		1-09 *		P																														92			
SUS A07 L		E08P2		1-10 *		P																														92			
SUS A07 L		E09P2		1-11 *		P																														92			
SUS A07 L		E07P2		1-12 *		P																														92			
SUS A07 L		B09L1		1-13 *		P																														92			
SUS A07 L																																				92			
SUS A08 L		B01M2		1-01 *		P																														93			
SUS A08 L		B03M2		1-02 *		P																														93			
SUS A08 L		B02M2		1-03 *		P																														93			
SUS A08 L		E01N2		1-04 *		P																														93			
SUS A08 L		E02N2		1-05 *		P																														93			
SUS A08 L		E03N2		1-06 *		P																														93			
SUS A08 L		E04N2		1-07 *		P																														93			
SUS A08 L		E05N2		1-08 *		P																														93			
SUS A08 L		E06N2		1-09 *		P																														93			
SUS A08 L		E08N2		1-10 *		P																														93			
SUS A08 L		E09N2		1-11 *		P																														93			
SUS A08 L		E07N2		1-12 *		P																														93			
SUS A08 L		B09M2		1-13 *		P																														93			
SUS A08 L																																				93			
SUS A09 L		B01N1		1-01 *		P																														94			
SUS A09 L		B03N1		1-02 *		P																														94			
SUS A09 L		B02N1		1-03 *		P																														94			
SUS A09 L		E03P1		1-04 *		P																														94			
SUS A09 L		E02P1		1-05 *		P																														94			
SUS A09 L		E01P1		1-06 *		P																														94			
SUS A09 L		E04P1		1-07 *		P																														94			
SUS A09 L		E05P1		1-08 *		P																														94			
SUS A09 L		E06P1		1-09 *		P																														94			
SUS A09 L		E08P1		1-10 *		P																														94			
SUS A09 L		E09P1		1-11 *		P																														94			
SUS A09 L		E07P1		1-12 *		P																														94			
SUS A09 L		B09M1		1-13 *		P																														94			
SUS A09 L																																				94			
SUS A10 L		B01N2		1-01 *		P																														95			
SUS A10 L		B03M2		1-02 *		P																														95			
SUS A10 L		B02M2		1-03 *		P																														95			
SUS A10 L		E01N2		1-04 *		P																														95			
SUS A10 L		E02N2		1-05 *		P																														95			
SUS A10 L		E03N2		1-06 *		P																														95			
SUS A10 L		E04N2		1-07 *		P																														95			
SUS A10 L		E05N2		1-08 *		P																														95			
SUS A10 L		E06N2		1-09 *		P																														95			
SUS A10 L		E08N2		1-10 *		P															</																		

D011KK-P1		WRP288.V34(63)-1		23-AUG-76		27-DEC-76		PAGE 15		11130		PAGE 15		RUN		
UN NAME	A/P	PIN	NAME	ORDER	BAY -	Q	DRAW	PV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS	FLAG	NUMBER
US A12 L			B01P2	1-01 *	P						1			1		97
US A12 L			B02P2	1-02 *	P						1			1		97
US A12 L			B03P2	1-03 *	P						1			N 7-1/8		97
US A12 L			E03C1	1-04 *	P						2			1-4/8		97
US A12 L			E01C1	1-05 *	P						2			1		97
US A12 L			E02C1	1-06 *	P						2			1-4/8		97
US A12 L			E04C1	1-07 *	P						2			1		97
US A12 L			E05C1	1-08 *	P						2			1		97
US A12 L			E06C1	1-09 *	P						2			1		97
US A12 L			E07C1	1-10 *	P						2			1		97
US A12 L			E09C1	1-11 *	P						2			1-4/8		97
US A12 L			E08C1	1-12 *	P						2			1		97
US A12 L			B09P2	1-13 *	P						1			N 7-5/8		97
US A12 L														26-2/8 1400000000		97
US A13 L			B21P1	1-01 *	P						1			1		98
US A13 L			B02P1	1-02 *	P						2			1		98
US A13 L			B03P1	1-03 *	P						1			N 7-7/8		98
US A13 L			E03K2	1-04 *	P						2			1		98
US A13 L			E02K2	1-05 *	P						2			1		98
US A13 L			E01K2	1-06 *	P						2			2		98
US A13 L			E04K2	1-07 *	P						2			1		98
US A13 L			E05K2	1-08 *	P						2			1		98
US A13 L			E06K2	1-09 *	P						2			1		98
US A13 L			E07K2	1-10 *	P						2			1-4/8		98
US A13 L			E09K2	1-11 *	P						2			1		98
US A13 L			E08K2	1-12 *	P						2			1		98
US A13 L			B09P1	1-13 *	P						1			N 7-7/8		98
US A13 L														27-2/8 1400000000		98
US A14 L			B01R2	1-01 *	P						2			1		99
US A14 L			B02R2	1-02 *	P						2			1		99
US A14 L			B03R2	1-03 *	P						1			N 7-5/8		99
US A14 L			E04K1	1-04 *	P						2			1		99
US A14 L			E03K1	1-05 *	P						2			1		99
US A14 L			E02K1	1-06 *	P						2			1		99
US A14 L			E01K1	1-07 *	P						2			2-4/8		99
US A14 L			E05K1	1-08 *	P						2			1		99
US A14 L			E06K1	1-09 *	P						2			1		99
US A14 L			E07K1	1-10 *	P						2			1		99
US A14 L			E08K1	1-11 *	P						2			1		99
US A14 L			E09K1	1-12 *	P						2			1		99
US A14 L			B09P2	1-13 *	P						1			N 7-7/8		99
US A14 L														27-0/8 1400000000		99

D11KK-P1																					
UN NAME		A/P	PIN ORDER NAME		RAY - ORDER		Q	DRAW	RV	RG	Y	X	Z	REMARKS	27-DEC-76	11130	PAGE 16	NC LENGTH EXCEPTIONS	FLAG	RUN NUMBER	
US A15 L			B01R1		1-01 *	P							1						1		100
US A15 L			B02R1		1-02 *	P							2								100
US A15 L			B03R1		1-03 *								1						N 7-5/8		100
US A15 L			E01D2		1-04 *								2								100
US A15 L			E02D2		1-05 *								1								100
US A15 L			E03D2		1-06 *								2								100
US A15 L			E04D2		1-07 *								2								100
US A15 L			E05D2		1-08 *								1								100
US A15 L			E06D2		1-09 *								2								100
US A15 L			E07D2		1-10 *								1								100
US A15 L			E08D2		1-11 *								2								100
US A15 L			E09D2		1-12 *								1								100
US A15 L			P09R1		1-13 *								2						N 7-1/8		100
US A15 L																					100
US A16 L			B01S2		1-01 *	P							2						24-6/8 1400000000		101
US A16 L			B02S2		1-02 *	P							2								101
US A16 L			B03S2		1-03 *								1						N 7-3/8		101
US A16 L			E04E2		1-04 *	P							2								101
US A16 L			E03E2		1-05 *	P							2								101
US A16 L			E02E2		1-06 *	P							2								101
US A16 L			E01E2		1-07 *	P							2								101
US A16 L			E05E2		1-08 *	P							2						2-4/8		101
US A16 L			E06E2		1-09 *	P							2								101
US A16 L			E07E2		1-10 *	P							2								101
US A16 L			E08E2		1-11 *	P							2								101
US A16 L			E09E2		1-12 *								2								101
US A16 L			P09S2		1-13 *								1						N 7		101
US A16 L																					101
US A17 L			B01S1		1-01 *	P							2						25-7/8 1400000000		102
US A17 L			B02S1		1-02 *	P							2								102
US A17 L			B03S1		1-03 *								1						N 7-3/8		102
US A17 L			E04D1		1-04 *	P							2								102
US A17 L			E03D1		1-05 *	P							2								102
US A17 L			E02D1		1-06 *	P							2								102
US A17 L			E01D1		1-07 *	P							2						2-4/8		102
US A17 L			E05E1		1-08 *	P							2								102
US A17 L			E06D1		1-09 *	P							2								102
US A17 L			E07D1		1-10 *	P							2								102
US A17 L			E08D1		1-11 *								2								102
US A17 L			E09D1		1-12 *								2								102
US A17 L			P09S1		1-13 *								1						N 6-7/8		102
US A17 L																					102
US A17 L																			25-0/8 1400000000		102

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UN NAME	A/P	PI	NAME	ORDER	PIN	RAY	Q	DRAW	RV	RG	Y	X	Z	REMARKS	11130	NC	LENGTH	EXCEPTIONS	FLAG	RUN	
US D00 L			C09S2	1-01 *												N	1				103
US D00 L			C08S2	1-02 *												N	1				103
US D00 L			C07S2	1-03 *												N	1				103
US D00 L			C06S2	1-04 *												N	1				103
US D00 L			C05S2	1-05 *												N	1				103
US D00 L			C04S2	1-06 *												N	1				103
US D00 L			C03S2	1-07 *												N	1				103
US D00 L			C02S2	1-08 *												N	1				103
US D00 L			C01S2	1-09 *												N	7-3/8				103
US D00 L			A01C1	1-10 *			P									N	1				103
US D00 L			A02C1	1-11 *												N	1				103
US D00 L			A03C1	1-12 *												N	3-4/8				103
US D00 L			A09C1	1-13 *												N	20-7/8	1400000000			103
US D00 L				1																	
US D01 L			A09D2	1-01 *												N	3-4/8				104
US D01 L			A03D2	1-02 *			P									N	1-4/8				104
US D01 L			A01D2	1-03 *												N	7-7/8				104
US D01 L			A02D2	1-04 *												N	1				104
US D01 L			C04R2	1-05 *			P									N	1				104
US D01 L			C03R2	1-06 *												N	1				104
US D01 L			C02R2	1-07 *												N	1				104
US D01 L			C01R2	1-08 *												N	2-4/8				104
US D01 L			C05R2	1-09 *												N	1				104
US D01 L			C06R2	1-10 *												N	1				104
US D01 L			C07R2	1-11 *												N	1				104
US D01 L			C08R2	1-12 *												N	1				104
US D01 L			C09R2	1-13 *												N	23-3/8	1400000000			104
US D01 L				1																	
JS D02 L			A01D1	1-01 *			P									N	1				105
JS D02 L			A02D1	1-02 *												N	7-3/8				105
JS D02 L			A03D1	1-03 *												N	1				105
JS D02 L			C03U2	1-04 *			P									N	1				105
JS D02 L			C02U2	1-05 *												N	1				105
JS D02 L			C01U2	1-06 *												N	2-4/8				105
JS D02 L			C05U2	1-07 *												N	1				105
JS D02 L			C04U2	1-08 *												N	7				105
JS D02 L			F04E2	1-09 *			P									N	1				105
JS D02 L			F03E2	1-10 *												N	1				105
JS D02 L			F02E2	1-11 *			P									N	1				105
JS D02 L			F01E2	1-12 *												N	2-4/8				105
JS D02 L			F05E2	1-13 *			P									N	1-4/8				105
JS D02 L			F07E2	1-14 *												N	1				105
JS D02 L			F08E2	1-15 *			P									N	1				105
JS D02 L			F09F2	1-16 *												N	2				105
JS D02 L			F06E2	1-17 *												N	7				105
JS D02 L			C06U2	1-18 *			P									N	1-4/8				105
JS D02 L			C08U2	1-19 *												N	1				105
JS D02 L			C09U2	1-20 *			P									N	1-4/8				105
JS D02 L			C07U2	1-21 *												N	6-1/8				105
JS D02 L			A09D1	1-22 *												N	52-0/8	1400000000			105
JS D02 L				1																	

*RP288.V34(63)-1 23-AUG-76										27-DEC-76		PAGE 18								
A/P NAME		PI	ORDER	PIN	RAY	Q	DRAW	RV	RG	Y	X	Z	REMARKS	11130	NC	LENGTH	EXCEPTIONS	FLAG	RUN	
JS D03 L	A01E2				1-01 *	P														106
JS D03 L	A02E2				1-02 *	P														106
JS D03 L	A03E2				1-03 *										N		7-1/8			106
JS D03 L	C03T2				1-04 *	P											1-4/8			106
JS D03 L	C01T2				1-05 *	P											2			106
JS D03 L	C04T2				1-06 *	P											1			106
JS D03 L	C05T2				1-07 *	P											2			106
JS D03 L	C02T2				1-08 *										N		7-7/8			106
JS D03 L	F02U1				1-09 *	P											1			106
JS D03 L	F01U1				1-10 *	P											1			106
JS D03 L	F03U1				1-11 *	P											1-4/8			106
JS D03 L	F04U1				1-12 *	P											1			106
JS D03 L	F05U1				1-13 *	P											1			106
JS D03 L	F06U1				1-14 *	P											1			106
JS D03 L	F08U1				1-15 *	P											1			106
JS D03 L	F09U1				1-16 *	P											1			106
JS D03 L	C07T2				1-17 *	P											1			106
JS D03 L	C08T2				1-18 *	P											1			106
JS D03 L	C09T2				1-19 *	P											2			106
JS D03 L	C06T2				1-20 *	P											2			106
JS D03 L	C07U2				1-21 *										N		8-3/8			106
JS D03 L	A09F2				1-22 *												53-2/8	1400000000		106
JS D03 L																				107
JS D04 L	A03E1				1-01 *	P											1-4/8			107
JS D04 L	A01E1				1-02 *	P											1			107
JS D04 L	A02E1				1-03 *										N		6-7/8			107
JS D04 L	C02T2				1-04 *	P											1			107
JS D04 L	C01T2				1-05 *	P											1-4/8			107
JS D04 L	C03T2				1-06 *	P											1			107
JS D04 L	C04T2				1-07 *	P											1			107
JS D04 L	C05T2				1-08 *										N		6-4/8			107
JS D04 L	F04U2				1-09 *	P											1			107
JS D04 L	F03U2				1-10 *	P											1			107
JS D04 L	F02U2				1-11 *	P											1			107
JS D04 L	F01U2				1-12 *	P											1			107
JS D04 L	F07T2				1-13 *	P											3			107
JS D04 L	F08T2				1-14 *	P											1			107
JS D04 L	F09T2				1-15 *	P											1			107
JS D04 L	F07U2				1-16 *	P											1			107
JS D04 L	F08U2				1-17 *	P											1			107
JS D04 L	C09U2				1-18 *	P									N		9-4/8			107
JS D04 L	C06U2				1-19 *	P											2			107
JS D04 L	C07U2				1-20 *	P											1-4/8			107
JS D04 L	C07T2				1-21 *												1			107
JS D04 L	A09F1				1-22 *												7-1/8			107
JS D04 L																	52-4/8	1400000000		107

111KK.PI IN NAME	A/P	ORDER PIN	ORDER PIN	BAY - Q	DRAW	RV	RG	Y	X	Z	REMARKS	27-DEC-76	11130 NC FLAG	PAGE 19 LENGTH EXCEPTIONS	RUN NUMBER
IS D05 L		A03F2		1-01 *	P					2				1-4/8	108
IS D05 L		A01F2		1-02 *	P					2				1	108
IS D05 L		A02F2		1-03 *	P					2				N 6-5/8	108
IS D05 L		C02P2		1-04 *	P					2				1	108
IS D05 L		C01P2		1-05 *	P					2				1-4/8	108
IS D05 L		C03P2		1-06 *	P					2				1-4/8	108
IS D05 L		C05P2		1-07 *	P					2				1	108
IS D05 L		C04P2		1-08 *	P					2				N 7-5/8	108
IS D05 L		F04F1		1-09 *	P					1				1	108
IS D05 L		F03F1		1-10 *	P					2				1	108
IS D05 L		F02F1		1-11 *	P					2				2-4/8	108
IS D05 L		F01F1		1-12 *	P					2				1-4/8	108
IS D05 L		F05F1		1-13 *	P					2				1	108
IS D05 L		F07F1		1-14 *	P					2				1	108
IS D05 L		F08F1		1-15 *	P					2				1	108
IS D05 L		F09F1		1-16 *	P					2				2	108
IS D05 L		F06F1		1-17 *	P					2				N 7-5/8	108
IS D05 L		C06P2		1-18 *	P					2				1	108
IS D05 L		C07P2		1-19 *	P					2				1	108
IS D05 L		C08P2		1-20 *	P					2				1	108
IS D05 L		C09P2		1-21 *	P					2				N 6-5/8	108
IS D05 L		A09F2		1-22 *						1				50-0/8 1400000000	108
IS D06 L		A03F1		1-01 *	P					2				1	109
IS D06 L		A02F1		1-02 *	P					2				1	109
IS D06 L		A01F1		1-03 *	P					2				N 7-3/8	109
IS D06 L		C01V2		1-04 *	P					2				1	109
IS D06 L		C02V2		1-05 *	P					2				1-4/8	109
IS D06 L		C04V2		1-06 *	P					2				1	109
IS D06 L		C05V2		1-07 *	P					2				1-4/8	109
IS D06 L		C03V2		1-08 *	P					2				1	109
IS D06 L		F03F2		1-09 *	P					2				1	109
IS D06 L		F02F2		1-10 *	P					2				2	109
IS D06 L		F01F2		1-11 *	P					2				1	109
IS D06 L		F04F2		1-12 *	P					2				1	109
IS D06 L		F05F2		1-13 *	P					2				1	109
IS D06 L		F06F2		1-14 *	P					2				1	109
IS D06 L		F07F2		1-15 *	P					2				1	109
IS D06 L		F08F2		1-16 *	P					2				1	109
IS D06 L		F09F2		1-17 *	P					2				1	109
IS D06 L		C09V2		1-18 *	P					2				N 7	109
IS D06 L		C08V2		1-19 *	P					2				1	109
IS D06 L		C08V2		1-20 *	P					2				1	109
IS D06 L		C07V2		1-21 *	P					2				1	109
IS D06 L		A09F1		1-22 *						1				N 8-3/8	109
IS D06 L														48-6/8 1400000000	109

111KK.PI IN NAME	A/P	ORDER PIN	ORDER PIN	BAY - Q	DRAW	RV	RG	Y	X	Z	REMARKS	27-DEC-76	11130 NC FLAG	PAGE 20 LENGTH EXCEPTIONS	RUN NUMBER
IS D07 L		A03H2		1-01 *	P					2				1	110
IS D07 L		A02H2		1-02 *	P					2				1	110
IS D07 L		A01H2		1-03 *	P					2				N 6-2/8	110
IS D07 L		C01H2		1-04 *	P					2				1	110
IS D07 L		C02H2		1-05 *	P					2				1	110
IS D07 L		C03H2		1-06 *	P					2				1	110
IS D07 L		C04H2		1-07 *	P					2				1	110
IS D07 L		C05H2		1-08 *	P					2				1	110
IS D07 L		F05H1		1-09 *	P					2				N 8-1/8	110
IS D07 L		F04H1		1-10 *	P					2				1	110
IS D07 L		F03H1		1-11 *	P					2				1	110
IS D07 L		F02H1		1-12 *	P					2				1	110
IS D07 L		F01H1		1-13 *	P					2				1	110
IS D07 L		F06H1		1-14 *	P					2				3	110
IS D07 L		F07H1		1-15 *	P					2				1	110
IS D07 L		F08H1		1-16 *	P					2				1-4/8	110
IS D07 L		F09H1		1-17 *	P					2				1	110
IS D07 L		C08H2		1-18 *	P					2				1	110
IS D07 L		C08H2		1-19 *	P					2				N 8-1/8	110
IS D07 L		C09H2		1-20 *	P					2				1-4/8	110
IS D07 L		C07H2		1-21 *	P					2				2	110
IS D07 L		A09H2		1-22 *						1				1-4/8	110
IS D07 L														N 7-1/8	110
IS D07 L														51-1/8 1400000000	110
IS D08 L		A01H1		1-01 *	P					2				1	111
IS D08 L		A02H1		1-02 *	P					2				1	111
IS D08 L		A03H1		1-03 *	P					2				N 6-7/8	111
IS D08 L		C03L2		1-04 *	P					2				1	111
IS D08 L		C01L2		1-05 *	P					2				1-4/8	111
IS D08 L		C01L2		1-06 *	P					2				2-4/8	111
IS D08 L		C05L2		1-07 *	P					2				2	111
IS D08 L		C02L2		1-08 *	P					2				8-5/8	111
IS D08 L		F02K1		1-09 *	P					2				1	111
IS D08 L		F03K1		1-10 *	P					2				1-4/8	111
IS D08 L		F04K1		1-11 *	P					2				1	111
IS D08 L		F05K1		1-12 *	P					2				1	111
IS D08 L		F07K1		1-13 *	P					2				1-4/8	111
IS D08 L		F08K1		1-14 *	P					2				1	111
IS D08 L		F09K1		1-15 *	P					2				1	111
IS D08 L		F06K1		1-16 *	P					2				2	111
IS D08 L		C06L2		1-17 *	P					2				8-5/8	111
IS D08 L		C07L2		1-18 *	P					2				1	111
IS D08 L		C09L2		1-19 *	P					2				1-4/8	111
IS D08 L		C08L2		1-20 *	P					2				1	111
IS D08 L		A09H1		1-21 *						1				N 6-1/8	111
IS D08 L				1-22 *										52-0/8 1400000000	111

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NAME		PIN		ORDER						OPT																			
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F OUT HIGH			D06M1	1-01 *							1			N	3-3/8	175
F OUT HIGH			E06P2	1-02 *										3-3/8 1400000000		175
F OUT LOW			D06D1	1-01 *							1			N	4	176
F OUT LOW			E06M1	1-02 *										4-0/8 1400000000		176
F SEL 0			D06F1	1-01 *							1			N	4-1/8	177
F SEL 0			E06S2	1-02 *										4-1/8 1400000000		177
F SEL 4			D06F1	1-01 *							1			N	4-3/8	178
F SEL 4			E06P2	1-02 *										4-3/8 1400000000		178
F SEL 6			D06C1	1-01 *							1			N	4-4/8	179
F SEL 6			E06S1	1-02 *										4-4/8 1400000000		179
F SFA 2			D06J1	1-01 *							1			N	4-1/8	180
F SFA 2			E06T2	1-02 *										4-1/8 1400000000		180
F SSY IN H			D06V1	1-01 *							1			N	1	181
F SSY IN H			E06M1	1-02 *										1-0/8 1400000000		181
F01D2			F01D2	1-01 *							2			N	1-6/8	182
F01D2			F01P2	1-02 *							1			N	0-4/8	182
F01D2			F01N1	1-03 *										2-2/8 1400000000		182
F01E1			F01E1	1-01 *							1			N	2-3/8	183
F01E1			F01V2	1-02 *										2-3/8 1400000000		183
F01L2			F01L2	1-01 *							1			N	1	184
F01L2			F01P1	1-02 *										1-0/8 1400000000		184
F01M2			F01M2	1-01 *							1			N	1	185
F01M2			F01S1	1-02 *										1-0/8 1400000000		185
F01P2			F01P2	1-01 *							1			N	6-4/8	186
F01P2			F01S2	1-02 *										6-4/8 1400000000		186
F02D2			F02D2	1-01 *							2			N	1-6/8	187
F02D2			F02V1	1-02 *							1			N	6-4/8	187
F02D2			F02V1	1-03 *										2-2/8 1400000000		187

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DI11K.P1 UN NAME	A/P NAME	ORDER PIN	RAY ORDER	DPW OPT	RV RG Y	X	Z	REMARKS	27-Dec-76	11:30 NC LENGTH EXCEPTIONS FLAG	PAGE 39	RUN NUMBER
B DB05 RD L	B04R1		1-01 * P									271
B DB05 RD L	B05R1		1-02 * P									271
B DB05 RD L	B06R1		1-03 * P									271
B DB05 RD L	B07R1		1-04 * P									271
B DB05 RD L	B08R1		1-05 * P									271
B DB06 RD L	B04P2		1-01 * P							4-0/8 1400000000		271
B DB06 RD L	B05P2		1-02 * P									272
B DB06 RD L	B06P2		1-03 * P									272
B DB06 RD L	B07P2		1-04 * P									272
B DB06 RD L	B08P2		1-05 * P									272
B DB07 RD L	B04P1		1-01 * P							4-0/8 1400000000		272
B DB07 RD L	B05P1		1-02 * P									273
B DB07 RD L	B06P1		1-03 * P									273
B DB07 RD L	B07P1		1-04 * P									273
B DB07 RD L	B08P1		1-05 * P									273
B DB08 RD L	A04F1		1-01 * P							4-0/8 1400000000		273
B DB08 RD L	A05F1		1-02 * P									274
B DB08 RD L	A06F1		1-03 * P									274
B DB08 RD L	A07F1		1-04 * P									274
B DB08 RD L	A08F1		1-05 * P									274
B DB09 RD L	A04D1		1-01 * P							4-0/8 1400000000		274
B DB09 RD L	A05D1		1-02 * P									275
B DB09 RD L	A06D1		1-03 * P									275
B DB09 RD L	A07D1		1-04 * P									275
B DB09 RD L	A08D1		1-05 * P									275
B DB10 RD L	A04B1		1-01 * P							4-0/8 1400000000		276
B DB10 RD L	A05B1		1-02 * P									276
B DB10 RD L	A06B1		1-03 * P									276
B DB10 RD L	A07B1		1-04 * P									276
B DB10 RD L	A08B1		1-05 * P									276
B DB11 RD L	A04A1		1-01 * P							4-0/8 1400000000		277
B DB11 RD L	A05A1		1-02 * P									277
B DB11 RD L	A06A1		1-03 * P									277
B DB11 RD L	A07A1		1-04 * P									277
B DB11 RD L	A08A1		1-05 * P									277
B DB12 RD L	A04U2		1-01 * P							4-0/8 1400000000		277
B DB12 RD L	A05U2		1-02 * P									278
B DB12 RD L	A06U2		1-03 * P									278
B DB12 RD L	A07U2		1-04 * P									278
B DB12 RD L	A08U2		1-05 * P									278

DI11K.P1 UN NAME	A/P NAME	ORDER PIN	RAY ORDER	DPW OPT	RV RG Y	X	Z	REMARKS	27-Dec-76	11:30 NC LENGTH EXCEPTIONS FLAG	PAGE 40	RUN NUMBER
B DB13 RD L	A04T2		1-01 * P									279
B DB13 RD L	A05T2		1-02 * P									279
B DB13 RD L	A06T2		1-03 * P									279
B DB13 RD L	A07T2		1-04 * P									279
B DB13 RD L	A08T2		1-05 * P									279
B DB14 RD L	A04R2		1-01 * P							4-0/8 1400000000		279
B DB14 RD L	A05R2		1-02 * P									280
B DB14 RD L	A06R2		1-03 * P									280
B DB14 RD L	A07R2		1-04 * P									280
B DB14 RD L	A08R2		1-05 * P									280
B DB16 RD L	A04H2		1-01 * P							4-0/8 1400000000		281
B DB16 RD L	A05H2		1-02 * P									281
B DB16 RD L	A06H2		1-03 * P									281
B DB16 RD L	A07H2		1-04 * P									281
B DB16 RD L	A08H2		1-05 * P									281
B DB17 RD L	A04H1		1-01 * P							4-0/8 1400000000		281
B DB17 RD L	A05H1		1-02 * P									282
B DB17 RD L	A06H1		1-03 * P									282
B DB17 RD L	A07H1		1-04 * P									282
B DB17 RD L	A08H1		1-05 * P									282
B DB18 RD L	A04F1		1-01 * P									283
B DB18 RD L	A05F1		1-02 * P									283
B DB18 RD L	A06F1		1-03 * P									283
B DB18 RD L	A07F1		1-04 * P									283
B DB18 RD L	A08F1		1-05 * P									283
B DB19 RD L	A04P2		1-01 * P							4-0/8 1400000000		283
B DB19 RD L	A05P2		1-02 * P									284
B DB19 RD L	A06P2		1-03 * P									284
B DB19 RD L	A07P2		1-04 * P									284
B DB19 RD L	A08P2		1-05 * P									284
B DB20 RD L	A04U1		1-01 * P							4-0/8 1400000000		284
B DB20 RD L	A05U1		1-02 * P									285
B DB20 RD L	A06U1		1-03 * P									285
B DB20 RD L	A07U1		1-04 * P									285
B DB20 RD L	A08U1		1-05 * P									285
B DB21 RD L	A04T2		1-01 * P							4-0/8 1400000000		285
B DB21 RD L	A05T2		1-02 * P									286
B DB21 RD L	A06T2		1-03 * P									286
B DB21 RD L	A07T2		1-04 * P									286
B DB21 RD L	A08T2		1-05 * P									286

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A/P		BAY -		O		REMARKS		MC LENGTH EXCEPTIONS	
NAME	NAME	ORDER	PIN	ORDER	Q	DRAM	RV	RG	Y
NAME	NAME	ORDER	PIN	ORDER	Q	DRAM	RV	RG	Y
NAME	NAME	ORDER	PIN	ORDER	Q	DRAM	RV	RG	Y
IB DB22 RD L	AW452	1-01 *	P	1	1				
IB DB22 RD L	AW552	1-02 *	P	2	1				
IB DB22 RD L	AW652	1-03 *	P	2	1				
IB DB22 RD L	AW752	1-04 *	P	2	1				
IB DB22 RD L	AW852	1-05 *	P	2	1				
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NAME	NAME	A/P	PIN	ORDER	Q	DRAM	RV	RG	Y	X	Z	REMARKS	MC	LENGTH	EXCEPTIONS	NUMBER
NAME	NAME	A/P	PIN	ORDER	Q	DRAM	RV	RG	Y	X	Z	REMARKS	MC	LENGTH	EXCEPTIONS	NUMBER
IB DB30 RD L	AW4C1			1-01 *	P						1			1		295
IB DB30 RD L	AW5C1			1-02 *	P						2			1		295
IB DB30 RD L	AW6C1			1-03 *	P						2			1		295
IB DB30 RD L	AW7C1			1-04 *	P									4-0/8	1400000000	295
IB DB30 RD L	AW8C1			1-05 *	P									4-0/8	1400000000	295
IB DB30 RD L				1												
IB DB31 RD L	AW4P2			1-01 *	P						1			1		296
IB DB31 RD L	AW5P2			1-02 *	P						2			1		296
IB DB31 RD L	AW6P2			1-03 *	P						2			1		296
IB DB31 RD L	AW7P2			1-04 *	P									4-0/8	1400000000	296
IB DB31 RD L	AW8P2			1-05 *	P									4-0/8	1400000000	296
IB DB31 RD L				1												
IB DB31 RD L	AW4N1			1-01 *	P						1			1		297
IB DB31 RD L	AW5N1			1-02 *	P						2			1		297
IB DB31 RD L	AW6N1			1-03 *	P						2			1		297
IB DB31 RD L	AW7N1			1-04 *	P									4-0/8	1400000000	297
IB DB31 RD L	AW8N1			1-05 *	P									4-0/8	1400000000	297
IB DB31 RD L				1												
IB DB31 RD L	AW4N2			1-01 *	P						1			1		298
IB DB31 RD L	AW5N2			1-02 *	P						2			1		298
IB DB31 RD L	AW6N2			1-03 *	P						2			1		298
IB DB31 RD L	AW7N2			1-04 *	P									4-0/8	1400000000	298
IB DB31 RD L	AW8N2			1-05 *	P									4-0/8	1400000000	298
IB DB31 RD L				1												
IB DB32 RD L	AW4P2			1-01 *	P						1			1		299
IB DB32 RD L	AW5P2			1-02 *	P						2			1		299
IB DB32 RD L	AW6P2			1-03 *	P						2			1		299
IB DB32 RD L	AW7P2			1-04 *	P									4-0/8	1400000000	299
IB DB32 RD L	AW8P2			1-05 *	P									4-0/8	1400000000	299
IB DB32 RD L				1												
IB DB33 RD L	AW4C1			1-01 *	P						1			1		300
IB DB33 RD L	AW5C1			1-02 *	P						2			1		300
IB DB33 RD L	AW6C1			1-03 *	P						2			1		300
IB DB33 RD L	AW7C1			1-04 *	P									4-0/8	1400000000	300
IB DB33 RD L	AW8C1			1-05 *	P									4-0/8	1400000000	300
IB DB33 RD L				1												
IB DB34 RD L	AW4P2			1-01 *	P						1			1		301
IB DB34 RD L	AW5P2			1-02 *	P						2			1		301
IB DB34 RD L	AW6P2			1-03 *	P						2			1		301
IB DB34 RD L	AW7P2			1-04 *	P									4-0/8	1400000000	301
IB DB34 RD L	AW8P2			1-05 *	P									4-0/8	1400000000	301
IB DB34 RD L				1												
IB DB35 RD L	AW4N2			1-01 *	P						1			1		302
IB DB35 RD L	AW5N2			1-02 *	P						2			1		302
IB DB35 RD L	AW6N2			1-03 *	P						2			1		302
IB DB35 RD L	AW7N2			1-04 *	P									4-0/8	1400000000	302
IB DB35 RD L	AW8N2			1-05 *	P									4-0/8	1400000000	302
IB DB35 RD L				1												
IB DB36 RD L	AW4C1			1-01 *	P						1			1		303
IB DB36 RD L	AW5C1			1-02 *	P						2			1		303
IB DB36 RD L	AW6C1			1-03 *	P						2			1		303
IB DB36 RD L	AW7C1			1-04 *	P									4-0/8	1400000000	303
IB DB36 RD L	AW8C1			1-05 *	P									4-0/8	1400000000	303
IB DB36 RD L				1												
IB DB37 RD L	AW4P2			1-01 *	P						1			1		304
IB DB37 RD L	AW5P2			1-02 *	P						2			1		304
IB DB37 RD L	AW6P2			1-03 *	P						2			1		304
IB DB37 RD L	AW7P2			1-04 *	P									4-0/8	1400000000	304
IB DB37 RD L	AW8P2			1-05 *	P									4-0/8	1400000000	304
IB DB37 RD L				1												
IB DB38 RD L	AW4N2			1-01 *	P						1			1		305
IB DB38 RD L	AW5N2			1-02 *	P						2			1		305
IB DB38 RD L	AW6N2			1-03 *	P						2			1		305
IB DB38 RD L	AW7N2			1-04 *	P									4-0/8	1400000000	305
IB DB38 RD L	AW8N2			1-05 *	P									4-0/8	1400000000	305
IB DB38 RD L				1												
IB DB39 RD L	AW4C1			1-01 *	P						1			1		306
IB DB39 RD L	AW5C1			1-02 *	P						2			1		306
IB DB39 RD L	AW6C1			1-03 *	P						2			1		306
IB DB39 RD L	AW7C1			1-04 *	P									4-0/8	1400000000	306
IB DB39 RD L	AW8C1			1-05 *	P									4-0/8	1400000000	306
IB DB39 RD L				1												

DD11KK.P1		WRP288.V34(63)-1		23-AUG-76		27-DEC-76		11130		PAGE 45		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	RAY - ORDER	Q	DPW	PV RG Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	
J OUT LOW		D08D1		1-01 *					1		N 4	321
J OUT LOW		E08N1		1-02 *							4-0/8 1400000000	321
J OUT LOW				1								321
J SEL 0		D08F1		1-01 *					1		N 4-1/8	322
J SEL 0		E08S2		1-02 *							4-1/8 1400000000	322
J SEL 0				1								322
J SEL 4		D08E1		1-01 *					1		N 4-3/8	323
J SEL 4		E08R2		1-02 *							4-3/8 1400000000	323
J SEL 4				1								323
J SEL 6		D08C1		1-01 *					1		N 4-4/8	324
J SEL 6		E08S1		1-02 *							4-4/8 1400000000	324
J SEL 6				1								324
J SER 2		D08J1		1-01 *					1		N 4-1/8	325
J SER 2		E08T2		1-02 *							4-1/8 1400000000	325
J SER 2				1								325
J SSYN IN H		D08V1		1-01 *					1		N 1	326
J SSYN IN H		E08R1		1-02 *							1-0/8 1400000000	326
J SSYN IN H				1								326
K A IN		D08H1		1-01 *					1		N 3-4/8	327
K A IN		E08M1		1-02 *							3-4/8 1400000000	327
K A IN				1								327
K BG IN		D08U2		1-01 *					1		N 3-7/8	328
K BG IN		F08B1		1-02 *							3-7/8 1400000000	328
K BG IN				1								328
K BG OUT		D08V2		1-01 *					1		N 3-7/8	329
K BG OUT		F08A1		1-02 *							3-7/8 1400000000	329
K BG OUT				1								329
K BR OUT		D08J2		1-01 *					1		N 6-5/8	330
K BR OUT		F08F1		1-02 *					2		N 1	330
K BR OUT		F08U2		1-03 *							7-5/8 1400000000	330
K BR OUT				1								330
K INT A		D08V1		1-01 *					1		N 6-3/8	331
K INT A		F08U1		1-02 *							6-3/8 1400000000	331
K INT A				1								331
K INT B		C08J1		1-01 *					1		N 8-5/8	332
K INT B		F08K2		1-02 *							8-5/8 1400000000	332
K INT B				1								332
K INT B												332
K INT ENB A		D08V1		1-01 *					1		N 6-5/8	333
K INT ENB A		F08V1		1-02 *							6-5/8 1400000000	333
K INT ENB A				1								333

DD11KK.P1		WRP288.V34(63)-1		23-AUG-76		27-DEC-76		11130		PAGE 46		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	RAY - ORDER	Q	DPW	PV RG Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	
K INT ENB B		C08L1		1-01 *					1		N 6-1/8	334
K INT ENB B		F08H2		1-02 *							8-1/8 1400000000	334
K INT ENB B				1								334
K OUT HIGH		D08K1		1-01 *					1		N 3-3/8	335
K OUT HIGH		E08V2		1-02 *							3-3/8 1400000000	335
K OUT HIGH				1								335
K OUT LOW		D08O1		1-01 *					1		N 4	336
K OUT LOW		E08N1		1-02 *							4-2/8 1400000000	336
K OUT LOW				1								336
K SEL 0		D08F1		1-01 *					1		N 4-1/8	337
K SEL 0		E08S2		1-02 *							4-1/8 1400000000	337
K SEL 0				1								337
K SEL 4		D08E1		1-01 *					1		N 4-3/8	338
K SEL 4		E08R2		1-02 *							4-3/8 1400000000	338
K SEL 4				1								338
K SEL 6		D08C1		1-01 *					1		N 4-4/8	339
K SEL 6		F08S1		1-02 *							4-4/8 1400000000	339
K SEL 6				1								339
K SER 2		D08J1		1-01 *					1		N 4-1/8	340
K SER 2		E08T2		1-02 *							4-1/8 1400000000	340
K SER 2				1								340
K SSYN IN H		D08V1		1-01 *					1		N 1	341
K SSYN IN H		F08B1		1-02 *							1-0/8 1400000000	341
K SSYN IN H				1								341
LTC		C08I1		1-01 *					2		1	342
LTC		C08O1		1-02 *					1		1	342
LTC		C08D1		1-03 *					2		1	342
LTC		C08N1		1-04 *					1		1	342
LTC		C08J1		1-05 *					2		1	342
LTC		C08E1		1-06 *					1		1	342
LTC		C08F1		1-07 *					2		1	342
LTC		C08C1		1-08 *					1		1	342
LTC		C08U1		1-09 *					1		8-3/8 1400000000	342
LTC				1								342

DD11KCP1		WRP288.V34(63)-1		23-AUG-76		27-DEC-76		PAGE 47		11:30		PAGE 48		11:30		PAGE 49		11:30		PAGE 50		11:30		PAGE 51		11:30		PAGE 52		11:30		PAGE 53		11:30		PAGE 54		11:30		PAGE 55		11:30		PAGE 56		11:30		PAGE 57		11:30		PAGE 58		11:30		PAGE 59		11:30		PAGE 60		11:30		PAGE 61		11:30		PAGE 62		11:30		PAGE 63		11:30		PAGE 64		11:30		PAGE 65		11:30		PAGE 66		11:30		PAGE 67		11:30		PAGE 68		11:30		PAGE 69		11:30		PAGE 70		11:30		PAGE 71		11:30		PAGE 72		11:30		PAGE 73		11:30		PAGE 74		11:30		PAGE 75		11:30		PAGE 76		11:30		PAGE 77		11:30		PAGE 78		11:30		PAGE 79		11:30		PAGE 80		11:30		PAGE 81		11:30		PAGE 82		11:30		PAGE 83		11:30		PAGE 84		11:30		PAGE 85		11:30		PAGE 86		11:30		PAGE 87		11:30		PAGE 88		11:30		PAGE 89		11:30		PAGE 90		11:30		PAGE 91		11:30		PAGE 92		11:30		PAGE 93		11:30		PAGE 94		11:30		PAGE 95		11:30		PAGE 96		11:30		PAGE 97		11:30		PAGE 98		11:30		PAGE 99		11:30		PAGE 100		11:30		PAGE 101		11:30		PAGE 102		11:30		PAGE 103		11:30		PAGE 104		11:30		PAGE 105		11:30		PAGE 106		11:30		PAGE 107		11:30		PAGE 108		11:30		PAGE 109		11:30		PAGE 110		11:30		PAGE 111		11:30		PAGE 112		11:30		PAGE 113		11:30		PAGE 114		11:30		PAGE 115		11:30		PAGE 116		11:30		PAGE 117		11:30		PAGE 118		11:30		PAGE 119		11:30		PAGE 120		11:30		PAGE 121		11:30		PAGE 122		11:30		PAGE 123		11:30		PAGE 124		11:30		PAGE 125		11:30		PAGE 126		11:30		PAGE 127		11:30		PAGE 128		11:30		PAGE 129		11:30		PAGE 130		11:30		PAGE 131		11:30		PAGE 132		11:30		PAGE 133		11:30		PAGE 134		11:30		PAGE 135		11:30		PAGE 136		11:30		PAGE 137		11:30		PAGE 138		11:30		PAGE 139		11:30		PAGE 140		11:30		PAGE 141		11:30		PAGE 142		11:30		PAGE 143		11:30		PAGE 144		11:30		PAGE 145		11:30		PAGE 146		11:30		PAGE 147		11:30		PAGE 148		11:30		PAGE 149		11:30		PAGE 150		11:30		PAGE 151		11:30		PAGE 152		11:30		PAGE 153		11:30		PAGE 154		11:30		PAGE 155		11:30		PAGE 156		11:30		PAGE 157		11:30		PAGE 158		11:30		PAGE 159		11:30		PAGE 160		11:30		PAGE 161		11:30		PAGE 162		11:30		PAGE 163		11:30		PAGE 164		11:30		PAGE 165		11:30		PAGE 166		11:30		PAGE 167		11:30		PAGE 168		11:30		PAGE 169		11:30		PAGE 170		11:30		PAGE 171		11:30		PAGE 172		11:30		PAGE 173		11:30		PAGE 174		11:30		PAGE 175		11:30		PAGE 176		11:30		PAGE 177		11:30		PAGE 178		11:30		PAGE 179		11:30		PAGE 180		11:30		PAGE 181		11:30		PAGE 182		11:30		PAGE 183		11:30		PAGE 184		11:30		PAGE 185		11:30		PAGE 186		11:30		PAGE 187		11:30		PAGE 188		11:30		PAGE 189		11:30		PAGE 190		11:30		PAGE 191		11:30		PAGE 192		11:30		PAGE 193		11:30		PAGE 194		11:30		PAGE 195		11:30		PAGE 196		11:30		PAGE 197		11:30		PAGE 198		11:30		PAGE 199		11:30		PAGE 200		11:30		PAGE 201		11:30		PAGE 202		11:30		PAGE 203		11:30		PAGE 204		11:30		PAGE 205		11:30		PAGE 206		11:30		PAGE 207		11:30		PAGE 208		11:30		PAGE 209		11:30		PAGE 210		11:30		PAGE 211		11:30		PAGE 212		11:30		PAGE 213		11:30		PAGE 214		11:30		PAGE 215		11:30		PAGE 216		11:30		PAGE 217		11:30		PAGE 218		11:30		PAGE 219		11:30		PAGE 220		11:30		PAGE 221		11:30		PAGE 222		11:30		PAGE 223		11:30		PAGE 224		11:30		PAGE 225		11:30		PAGE 226		11:30		PAGE 227		11:30		PAGE 228		11:30		PAGE 229		11:30		PAGE 230		11:30		PAGE 231		11:30		PAGE 232		11:30		PAGE 233		11:30		PAGE 234		11:30		PAGE 235		11:30		PAGE 236		11:30		PAGE 237		11:30		PAGE 238		11:30		PAGE 239		11:30		PAGE 240		11:30		PAGE 241		11:30		PAGE 242		11:30		PAGE 243		11:30		PAGE 244		11:30		PAGE 245		11:30		PAGE 246		11:30		PAGE 247		11:30		PAGE 248		11:30		PAGE 249		11:30		PAGE 250		11:30		PAGE 251		11:30		PAGE 252		11:30		PAGE 253		11:30		PAGE 254		11:30		PAGE 255		11:30		PAGE 256		11:30		PAGE 257		11:30		PAGE 258		11:30		PAGE 259		11:30		PAGE 260		11:30		PAGE 261		11:30		PAGE 262		11:30		PAGE 263		11:30		PAGE 264		11:30		PAGE 265		11:30		PAGE 2
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DD11KX.P1
RUN DATE

WRF2PS.V34(63)-1 23-AUG-76
A/P PIA ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

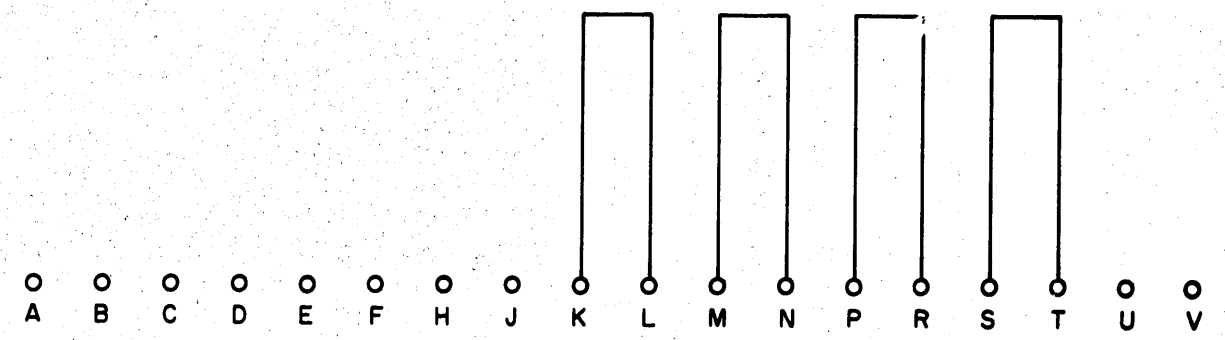
27-Dec-76
REMARKS

11:30 PAGE 49
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

SACK L		A21R2	1-01 *	P		1						1	352
SACK L		A22R2	1-02 *	P		2						1	352
SACK L		A23R2	1-03 *	H		2	TWP					14-7/8	352
SACK L		F21T2	1-04 *	P		2						1	352
SACK L		F22T2	1-05 *	P		2						1	352
SACK L		F23T2	1-06 *	P		2						1	352
SACK L		F24T2	1-07 *	H		2	2FTTWP					1	352
SACK L		F25T2	1-08 *	P		2						1	352
SACK L		F26T2	1-09 *	P		2						1	352
SACK L		F27T2	1-10 *	P		2						1	352
SACK L		F28T2	1-11 *	P		2						1	352
SACK L		F29T2	1-12 *	H		2	TWP					14	352
SACK L		A04R2	1-13 *										352
SACK L			1									38-7/8 1400000000	352
SSYN L (1)		B01U1	1-01 *	P		2						1	353
SSYN L (1)		B02U1	1-02 *	P		2						1	353
SSYN L (1)		F03U1	1-03 *	H		2	TWP					7-7/8	353
SSYN L (1)		F01U1	1-04 *	P		2						1	353
SSYN L (1)		F02U1	1-05 *	P		2						1	353
SSYN L (1)		F03U1	1-06 *	P		2						1	353
SSYN L (1)		F04U1	1-07 *			2						2-5/8	353
SSYN L (1)		F04C1	1-08 *	P		2						1	353
SSYN L (1)		F03C1	1-09 *	P		2						1	353
SSYN L (1)		F02C1	1-10 *	P		2						1	353
SSYN L (1)		F01C1	1-11 *										353
SSYN L (1)			1									18-4/8 1400000000	353
SSYN L (2)		B09U1	1-01 *	H		1	TWP					7-1/8	354
SSYN L (2)		F09U1	1-02 *	P		2						1	354
SSYN L (2)		F08U1	1-03 *	P		2						1	354
SSYN L (2)		F07U1	1-04 *	P		2						1	354
SSYN L (2)		F06U1	1-05 *	P		2						1	354
SSYN L (2)		F05U1	1-06 *			2						2-5/8	354
SSYN L (2)		F05C1	1-07 *	P		2						1	354
SSYN L (2)		F06C1	1-08 *	P		2						1	354
SSYN L (2)		F07C1	1-09 *	P		2						1	354
SSYN L (2)		F08C1	1-10 *	P		2						1	354
SSYN L (2)		F09C1	1-11 *	P									354
SSYN L (2)			1									17-6/8 1400000000	354
SSYN L JWP		F05C1	1-01 *	H		1	2FTTWP					1	355
SSYN L JWP		F04C1	1-02 *										355
SSYN L JWP			1									1-0/8 1400000000	355

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REVISIONS	CHK	CHG NO.	REV.								
DRN. BUTLER		DATE 11-19-69	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE GRANT CONTINUITY G727					
CHK'D P. J. Smith		DATE 6-13-70	DEC	EIA		DEC	EIA	SIZE B	CODE CS	NUMBER G727-0-1	REV.
ENG. J. E. Johnson		DATE 1/23/70									
PROD.		DATE									
DEC FORM NO. DRB 102						5 Pin		DIST. 324,434,435-3		127	

