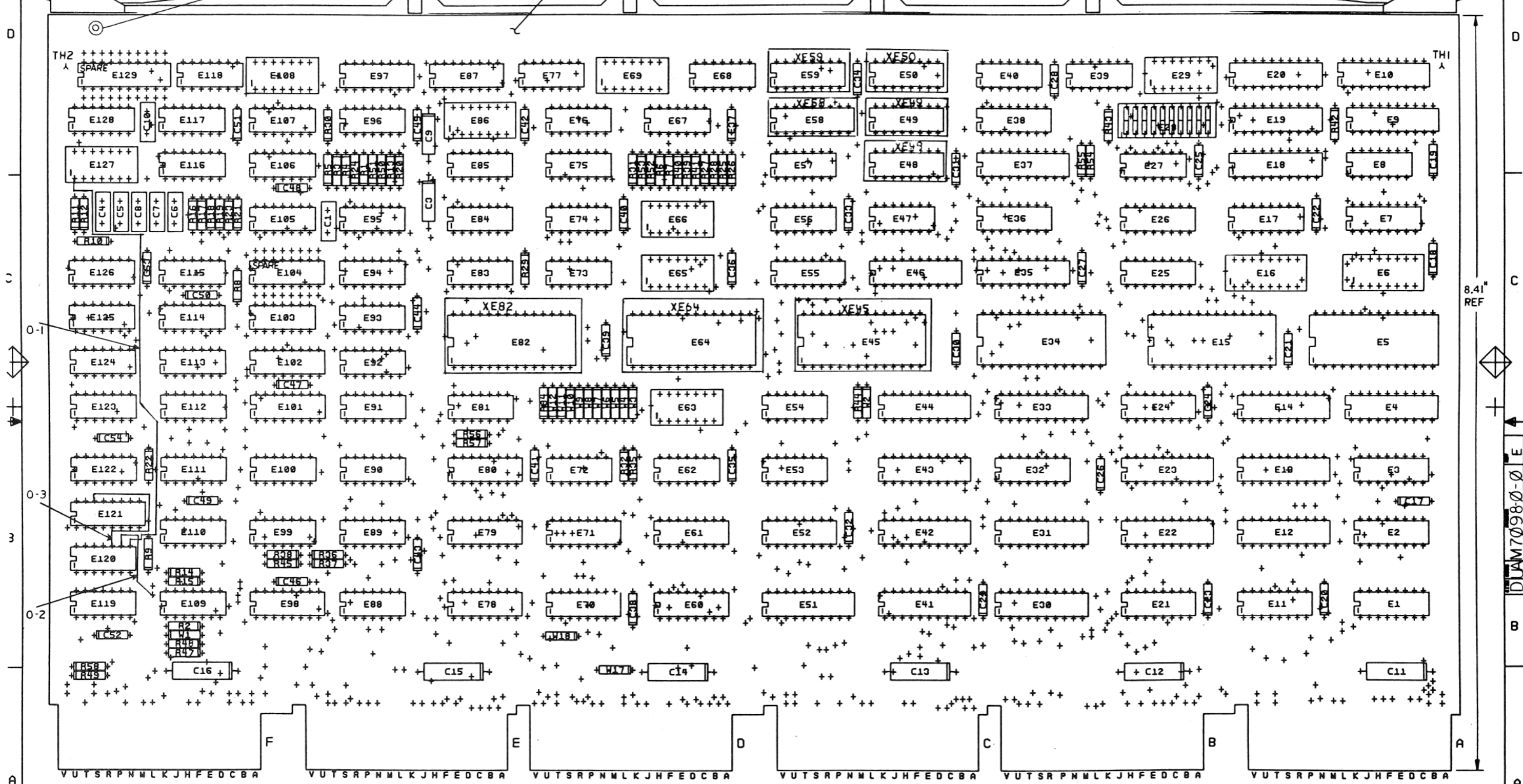


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COMPONENT SIDE VIEW



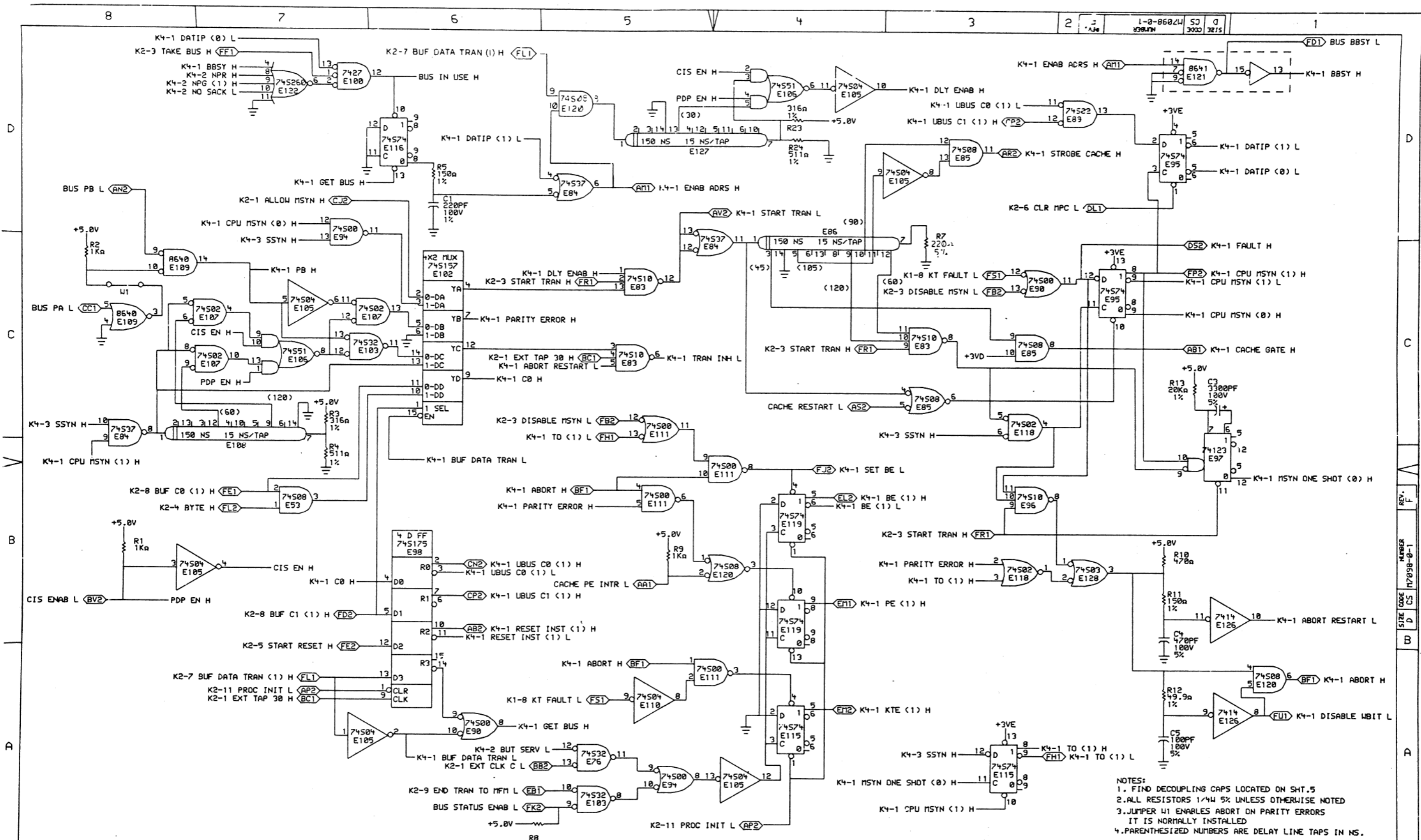
NOTES:
 1. E104, E129 ARE SPARE LOCATIONS
 2. R6 IS NOT INSTALLED.

STEP	Y AXIS	STEP	TIMES
REPORT	X AXIS	STEP	TIMES

CHANGE NO	REV	D
1	TWOOS	
2	REDRAWN	

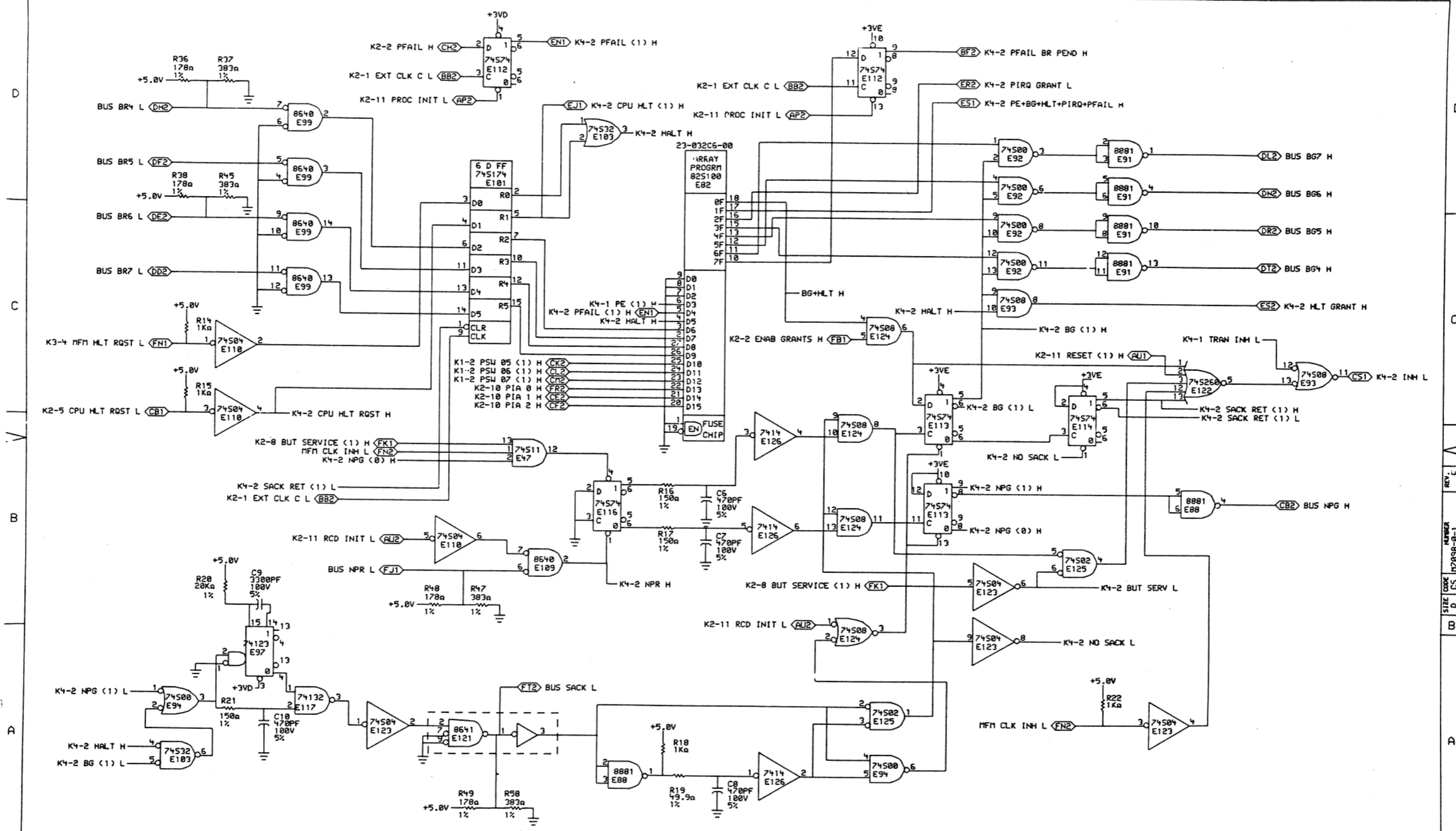
ETCH REV.	C-PI
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SIGNATURES		DATE	digital
DRN. <i>[Signature]</i>		7-20-77	
CHK'D. BOB PUZZO		7-28-77	TITLE KD11-Z UBI MODULE
MECH. ENG. <i>[Signature]</i>		8/1/80	
PROD. <i>[Signature]</i>		10/1/80	
SCALE 2/1			SIZE CODE NUMBER D UA M7098-0-0 E
SHT. 1 OF 2			
NEXT HIGHER REVISION: B-DD-M7098-0			REV



- NOTES:
 1. FIND DECOUPLING CAPS LOCATED ON SHT.5
 2. ALL RESISTORS 1/4W 5% UNLESS OTHERWISE NOTED
 3. JUMPER W1 ENABLES ABORT ON PARITY ERRORS IT IS NORMALLY INSTALLED
 4. PARENTHEZIZED NUMBERS ARE DELAY LINE TAPS IN NS.

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--	--	--	--	---	--	---



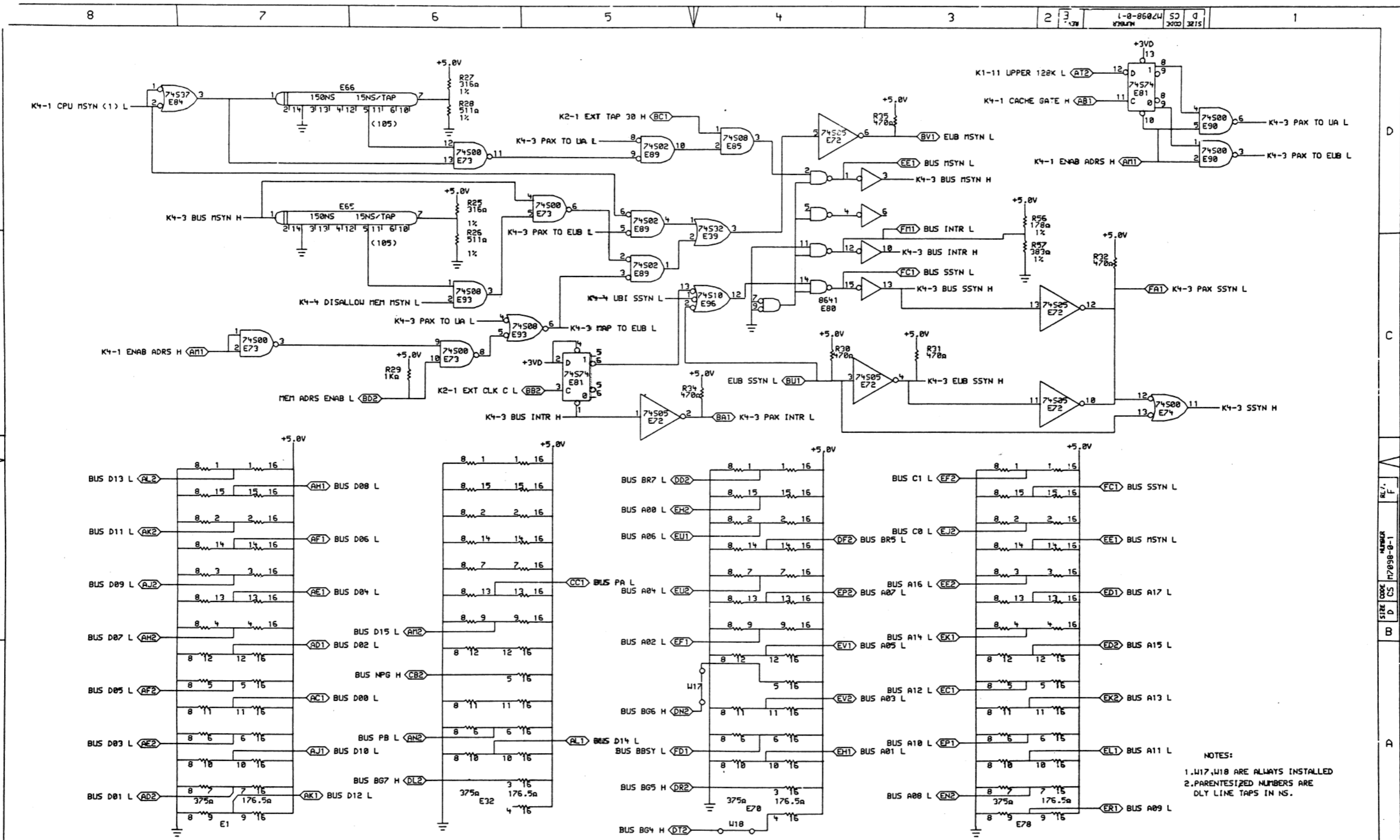
REVISIONS		
CHK	CHANGE NO.	REV.

digital *DRW. J. Camby* DATE ENG. 19-OCT-79 DATE REC'D LOCATION: DATE CHECKED: SHEET 2 OF 11

TITLE: (K4-2) UBI MODULE (BUS ARBITR.)

SIZE CODE D CS M7098-0-1 NUMBER REV. F

FIRST USED ON OPTION/MODEL: 11/44 B-CD-M7098-0

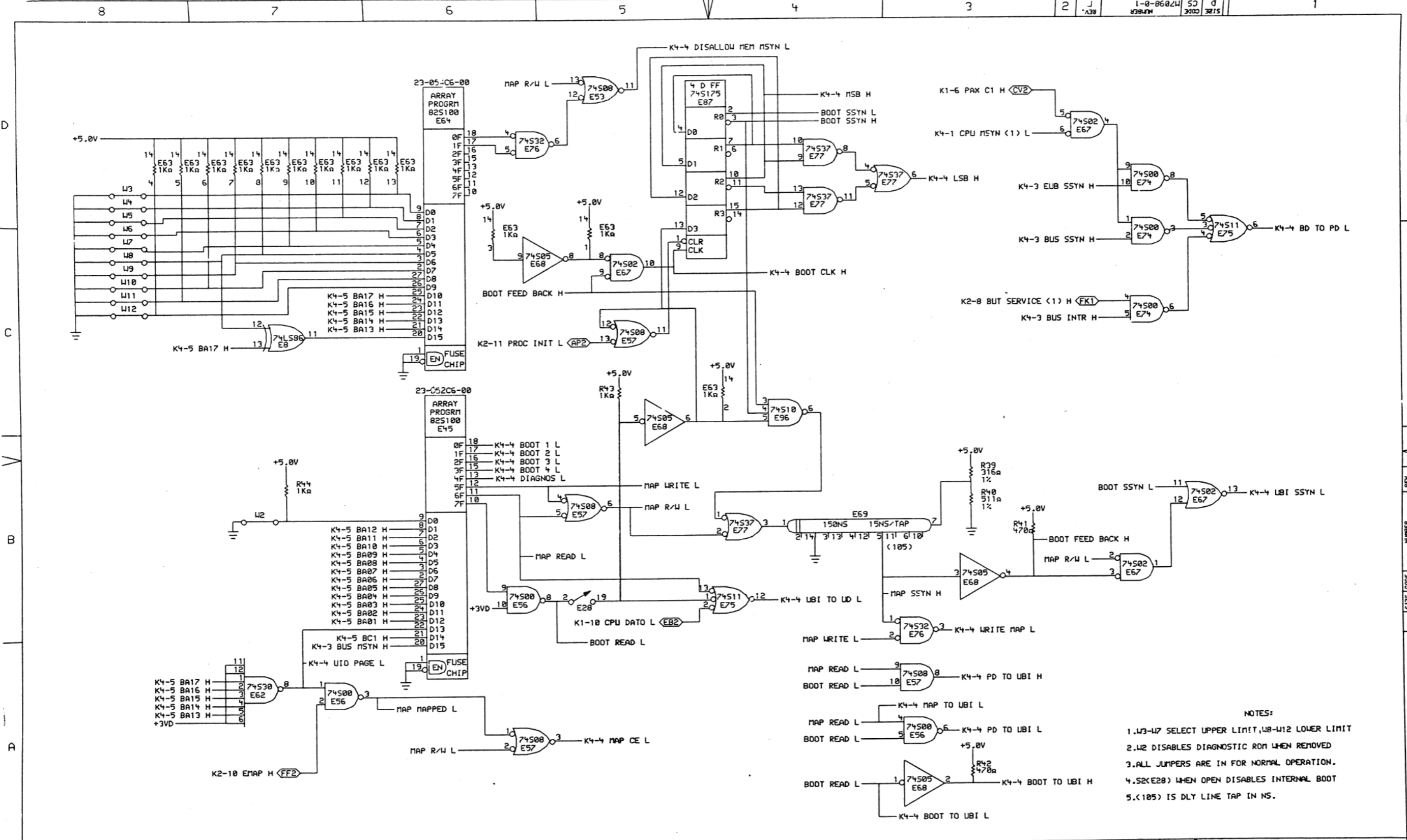


NOTES:
1. U17, U18 ARE ALWAYS INSTALLED
2. PARENTESIZED NUMBERS ARE
ONLY LINE TAPS IN NS.

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REVISIONS		
CHK	CHANGE NO.	REV.

	DRW. J. J. J. J.	DATE 10-20-79	DATE	TITLE: (K4-3) UBI MODULE (MSYN STEER)
160,257 JK438.DRW	16-OCT-79 15:05	NEXT HIGHER ASSEMBLY:	SIZE CODE D CS	NUMBER M7098-0-1
FIRST USED ON OPTION/MODEL: 11/44	B-CD-M7098-0		REV. F	



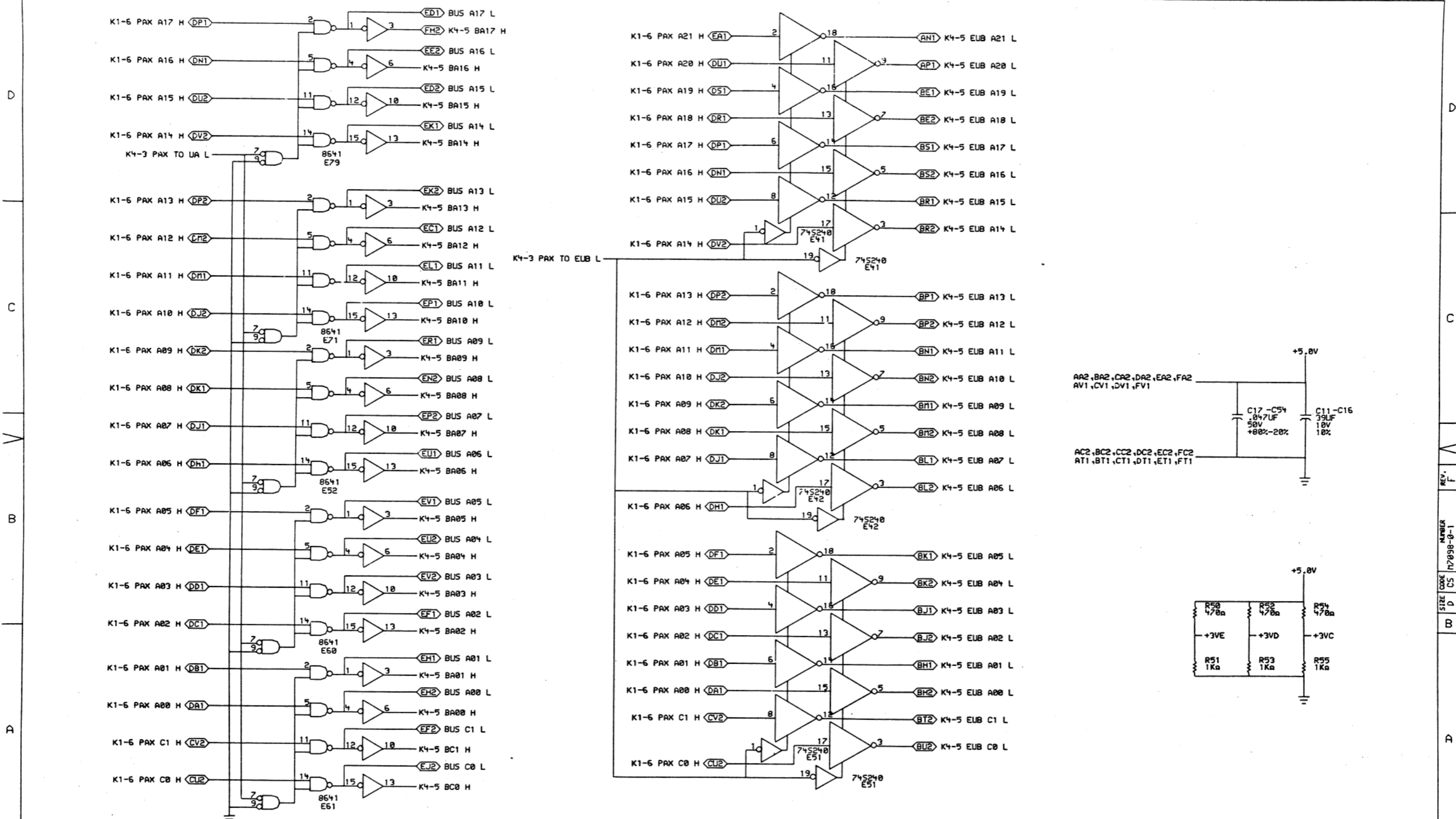
- NOTES:
1. U3-U7 SELECT UPPER LIMIT, U8-U12 LOWER LIMIT
 2. U2 DISABLES DIAGNOSTIC ROM WHEN REMOVED
 3. ALL JUMPERS ARE IN FOR NORMAL OPERATION.
 4. S2(E28) WHEN OPEN DISABLES INTERNAL BOOT
 5. (105) IS DLY LINE TAP IN NS.

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REVISIONS	CHK	CHANGE NO.	REV.

digital DRW. *Carroll* DATE 19-OCT-79 ENG. DATE
 CHK. B. DATE BOARD LOCATION: SHEET 4 OF 11
 (150,257)K44B.DRW 116-OCT-79 15:06 NEXT HIGHER ASSEMBLY: SIZE CODE D CS M7098-0-1 NUMBER REV. F
 FIRST USED ON OPTION/MODEL: 11/44 B-DD-M7098-0

REV. F
 NUMBER M7098-0-1
 SIZE CODE CS
 SHEET 4 OF 11
 REV. F

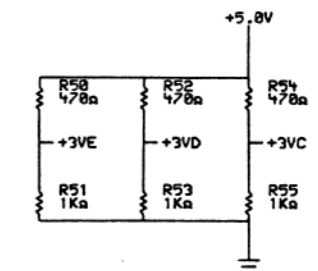


AA2,BA2,CA2,DA2,EA2,FA2
 AV1,CV1,DV1,FV1

C17-C54
 .047UF
 50V
 +80%-20%

C11-C16
 39UF
 10V
 10%

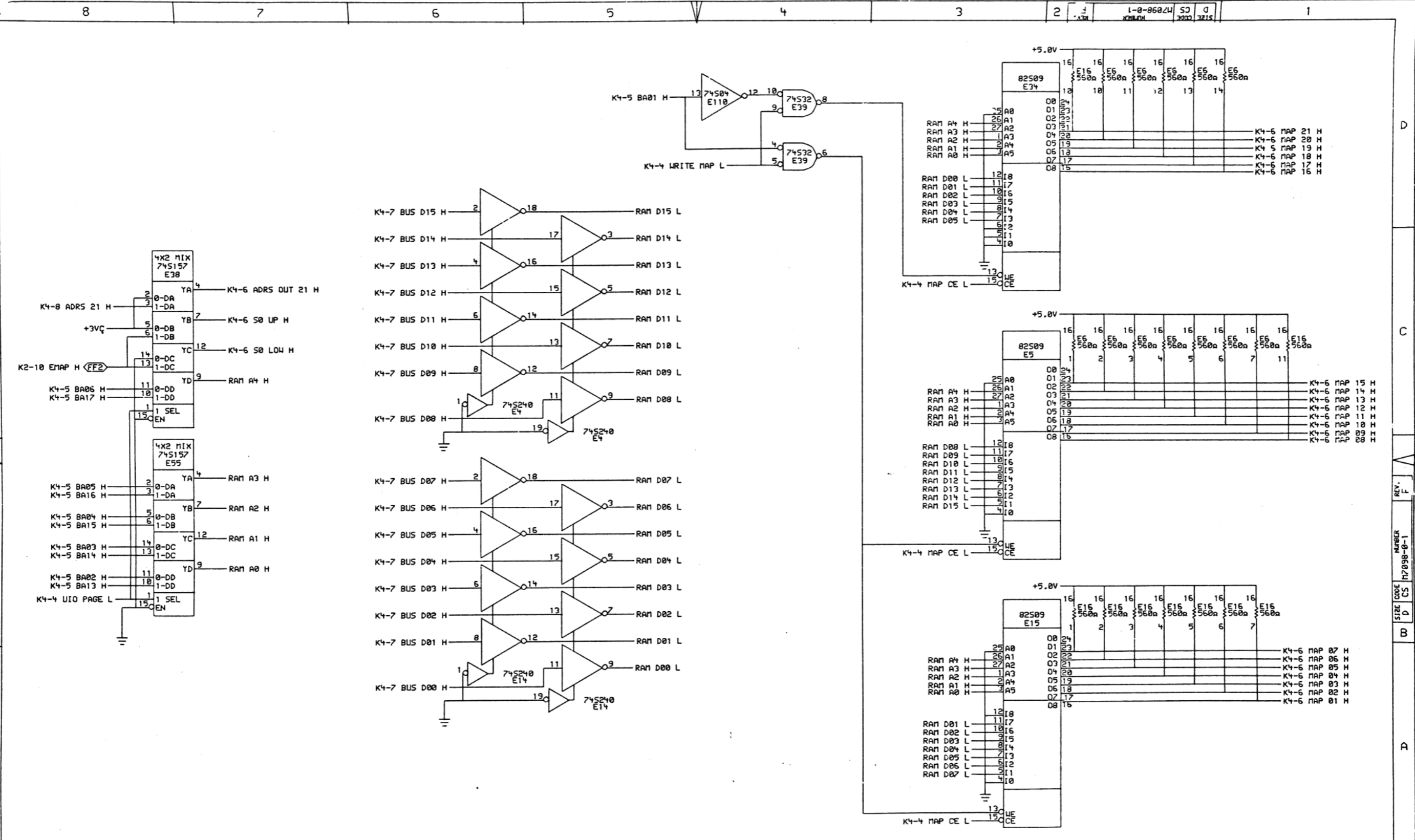
AC2,BC2,CC2,DC2,EC2,FC2
 AT1,BT1,CT1,DT1,ET1,FT1



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REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE: (K4-5) UBI MODULE
	19-OCT-79			(PAX TO EUB, UBI)
(160,257)K45B.DRW	DATE	RECORD LOCATION:	SHEET	OF
FIRST USED ON OPTION/MODEL: 11/44	16-OCT-79 15:07	B-DD-M7098-0	5	11
			SIZE CODE	NUMBER
			D CS	M7098-0-1
			REV.	F

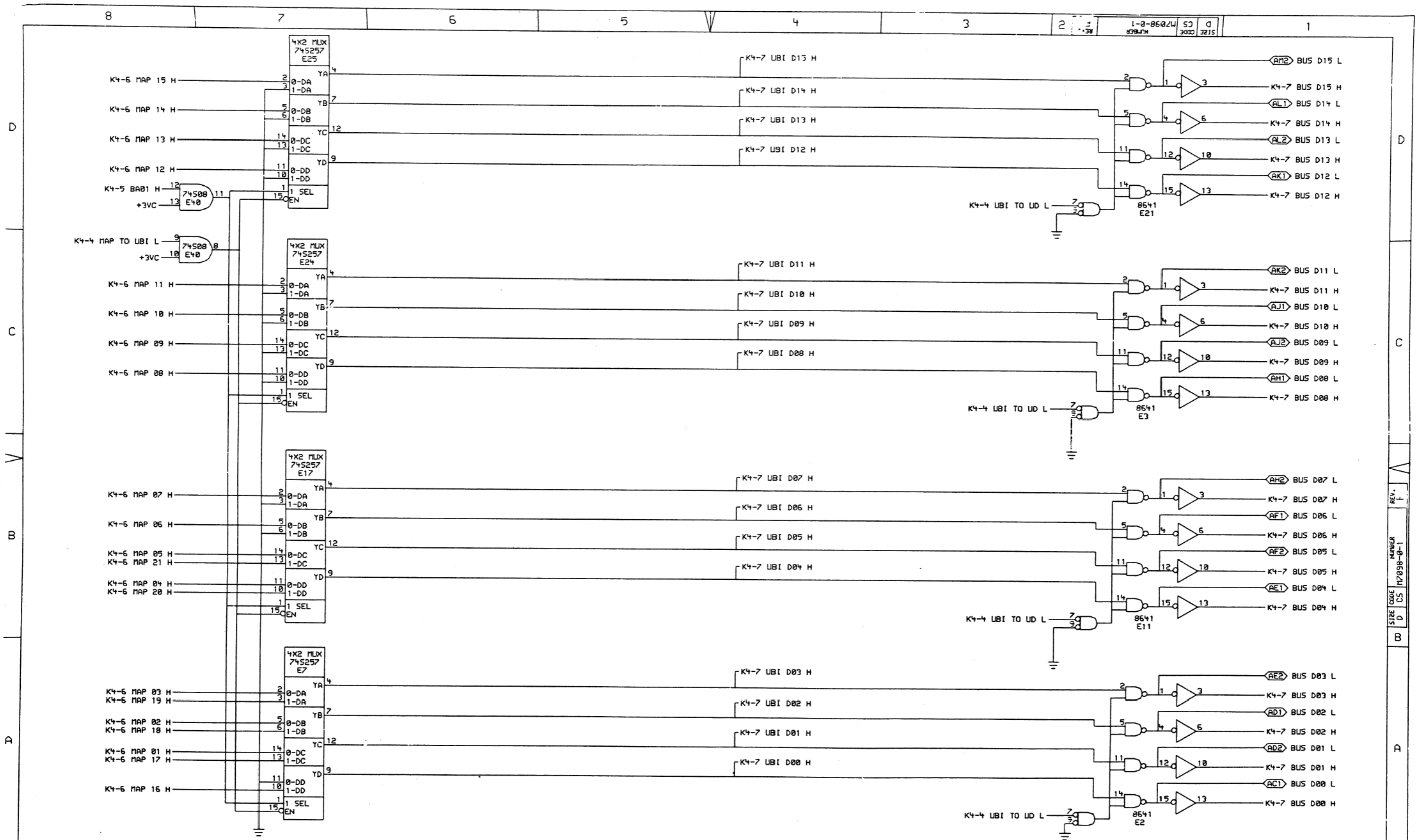


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REVISIONS	CHK	CHANGE NO.	REV

digital	DATE	19-OCT-79	DATE		TITLE:	(K4-6) UBI MODULE
	CHK		DATE		BOARD LOCATION:	(MAP REG)
FIRST USED ON OPTION/MODEL:		11/74	NEXT HIGHER ASSEMBLY:		B-DD-M7098-0	
SIZE	CODE	D	CS	M7098-0-1	NUMBER	
					REV.	F

REV. F
NUMBER M7098-0-1
SIZE CODE D CS
D CS M7098-0-1

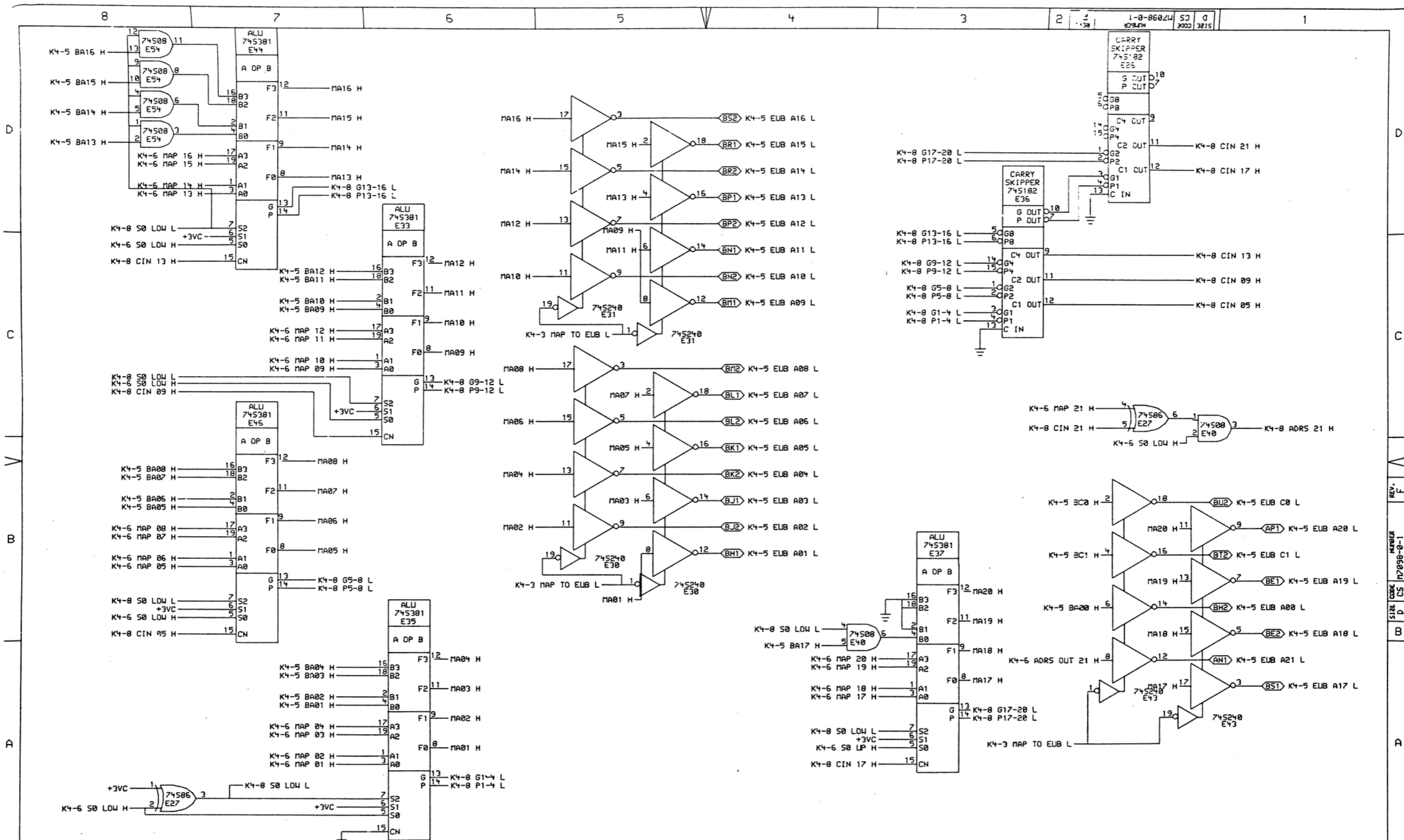


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REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	24-OCT-79	DATE		TITLE: (K4-7) UBI MODULE (ADRS INTRF)
	DATE		DATE		
(160,257)K47B.DRW	115-OCT-79 15:18	NEXT	ISSER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL: 11/44				D	CS
					NUMBER
					M7098-0-1
					REV.
					F

REV. F
NUMBER 17098-0-1
SIZE CODE CS



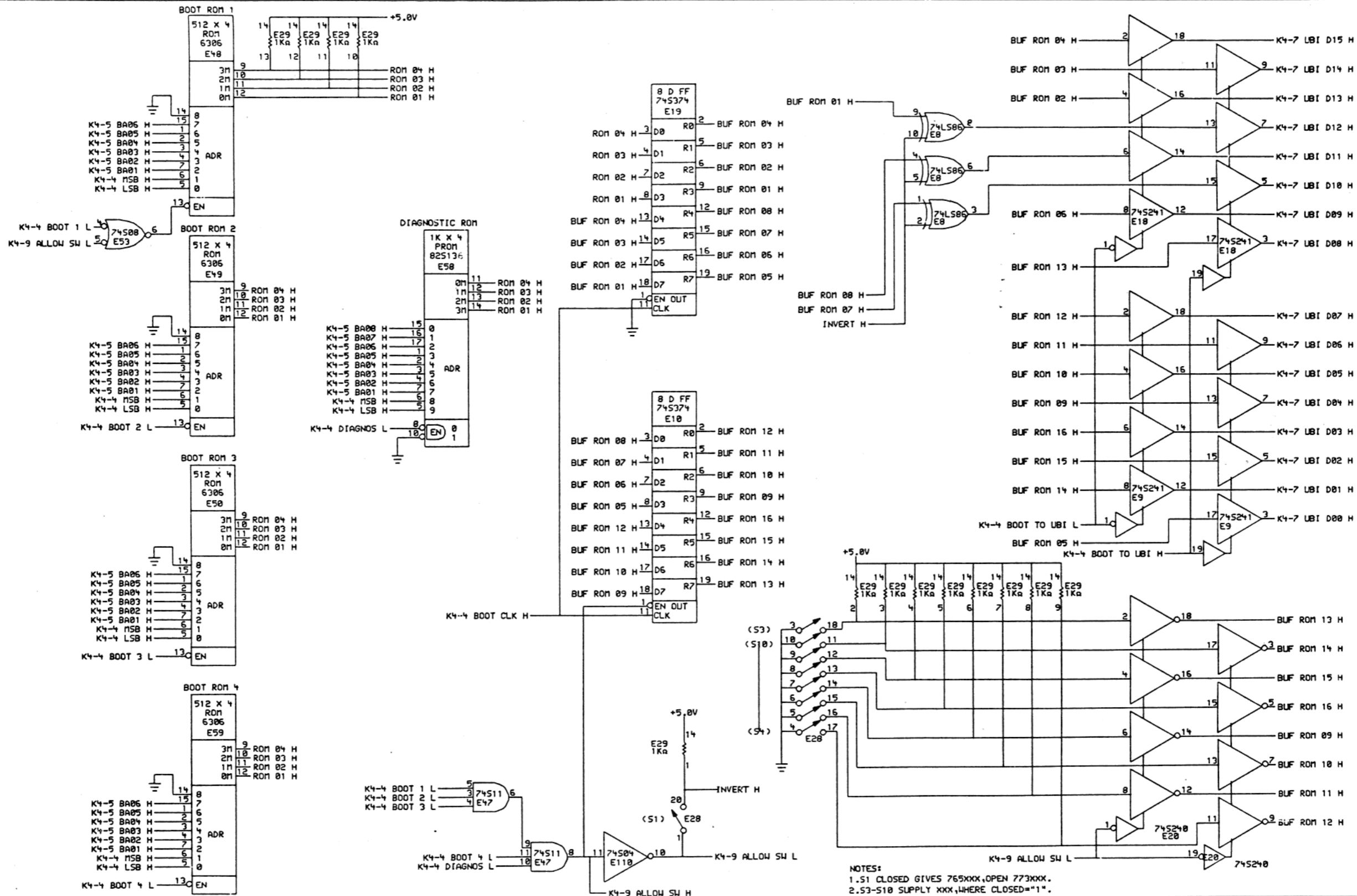
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CHK	CHANGE NO.	REV

REVISIONS	DATE	ENG	DATE	ENG

		DATE: 21-OCT-79 DATE: 11-11-79 NEXT HIGHER ASSEMBLY: B-DD-M7098-0		TITLE: (K4-8) UBI MODULE (MAP)	
FIRST USED ON OPTION/MODEL: 11/44		SIZE CODE: D CS		NUMBER: M7098-0-1	
REV: F		REV: F		REV: F	

REV. F
 NUMBER M7098-0-1
 SIZE CODE D CS

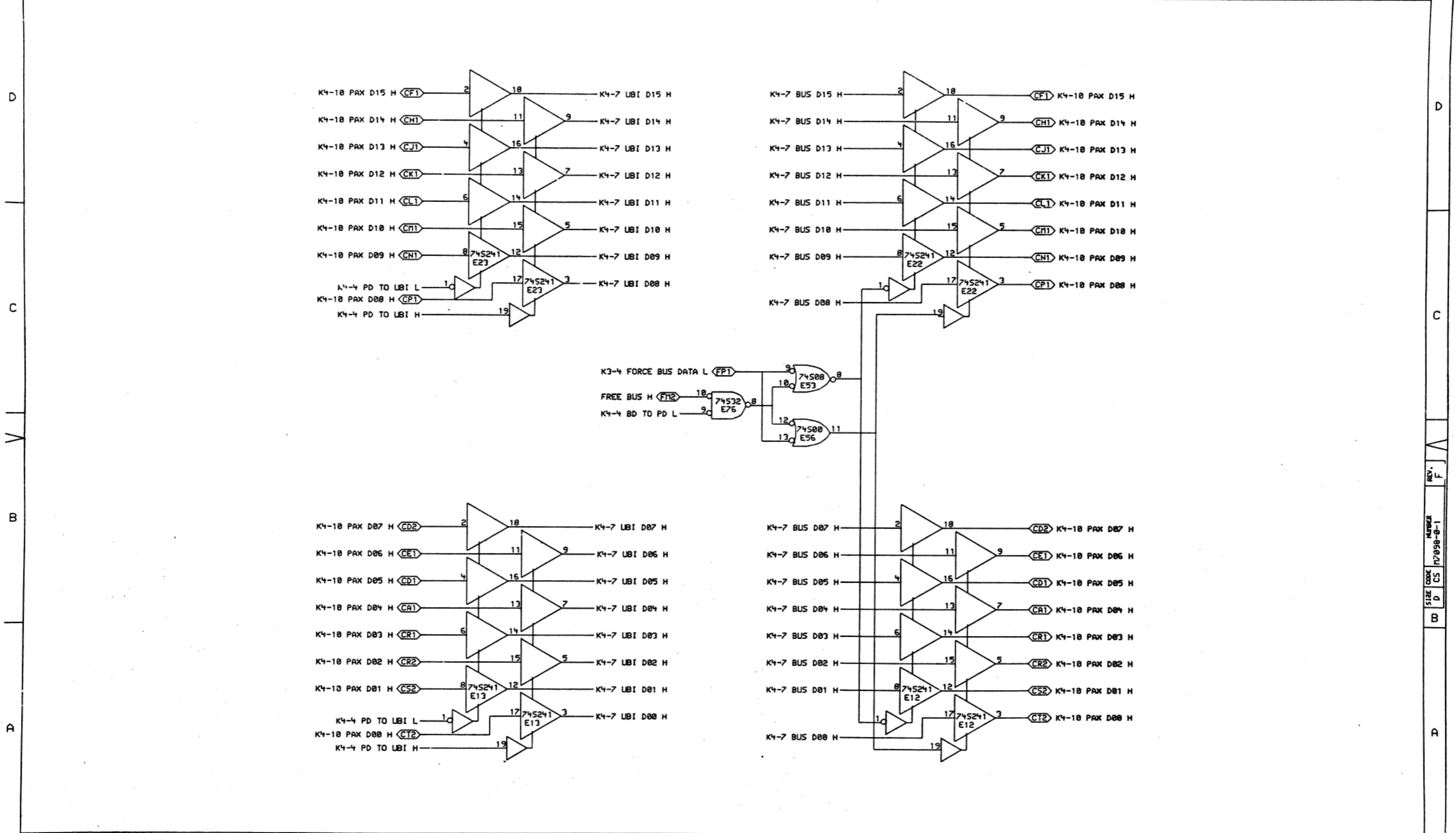


NOTES:
 1. S1 CLOSED GIVES 765XXX, OPEN 773XXX.
 2. S3-S10 SUPPLY XXX, WHERE CLOSED="1".

	DRW. <i>J. J. J.</i>	DATE <i>24-OCT-79</i>	ENG.	DATE	TITLE: (K4-9) LBI MODULE (BOOT ROMS)
	CHK'D	DATE	DATE	SHEET 9 OF 11	SIZE CODE D CS M7098-0-1
FIRST USED ON OPTION/MODEL: 11/44		NEXT HIGHER ASSEMBLY: B-DD-M7098-0		NUMBER	REV. F

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REVISIONS		
CHK	CHANGE NO.	REV



REVISIONS	
CHK	CHANGE NO. REV.

digital (160,257)K4108.DRW FIRST USED ON OPTION/MODEL: 11/44	DATE: 24-OCT-79 DATE: 16-OCT-79 15:12 NEXT HIGHER ASSEMBLY: B-DD-M7098-0	ENG: [Signature] DATE: 24-OCT-79 DATE: 16-OCT-79 15:12 NEXT HIGHER ASSEMBLY: B-DD-M7098-0	TITLE: (K4-10) UBI MODULE (PAX DATA)
	BOARD LOCATION: SHEET 10 OF 11	SIZE CODE: D CS	NUMBER: M7098-0-1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
1	1		5013828-00	UNIT'S CONTROL	1		
2	2		1000016-00	100.0 MMF 100V 5%200PPM DM15S	1		C5
3	3		1000024-00	470.0 MMF 100V 5%200PPM DM15S	5		C4,C6-C8,C10
4	4		1000076-00	39 MFD 10V 10% 150D S.TA	6		C11-C16
5	5		1013466-10	3300.0 MMF 50V 5% CER	2		C3,C9
6	6		1012784-00	.047 MFD 50V +80-20% CER	3R		C17-C54
7	7		1210711-02	HANDLE,MODULE,HEX	1		
8	8		1211164-06	SW,DIP 1P 1A 10POS	1		E28
9	9		1215006-02	SOCKET 16PIN IC LOW PROFILE	4		XE48-XE50,XE59
10	10		1215006-03	SOCKET 18PIN IC LOW PROFILE	1		XE58
11	11		1215006-07	SOCKET 28PIN IC LOW PROFILE	3		XE45,XE64,XE82
12	12		1300005-01	R NETWORK 13-1K 5.0 % 14PIN	2		E29,E63
13	13		1300005-10	R NETWORK 15-560 5.0 % 16PIN	2		E6,E16
14	14		1300316-00	470.0 .25 W 5.0 % CC	11		R10,R50,R52,R54,R30-R32,R34,R35, R41,R42
15	15		1300365-00	1.0 K .25 W 5.0 % CC	14	CONT	R29,R44,R51,R53,R55,R8,R43,R1, R2,R9,R14,R15,R18,R22
16	16		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	2	CONT	R13,R20
17	17		1302411-00	511.0 .25 W 1.0 % RN55D-F10	6		R4,R7,R24,R26,R28,R40
18	18		1302931-00	49.90 .25 W 1.0 % RN55D-F10	2		R12,R19
19	19		1304863-00	316.0 .25 W 1.0 % RN55D-F10	6		R3,R6,R23,R25,R27,R39
20	20		1312628-00	P NETWORK 14-176.5 14-375 16PIN	2		E1,E78
21	21		1312628-01	P NETWORK 14-176.5 11-375 16PIN	2		E32,E70
22	22		1313583-00	150.0 .25 W 1.0 % RN55D-F10	5		R5,R11,R16,R17,R21
23	23		1612463-00	DELAY= 150NS,10TAPS	6		E65,E66,E69,E86,E108,E127
24	24		1909705-00	DEC 9881 NAND GATE-QUAD 2IN 0	2		E88,E91
25	25		1910436-00	DEC 74123 ONE SHOT-DUAL,PETRIG	1		E97
26	26		1910532-00	74F00 NAND GATE-QUAD 2IN	7		E56,E73,E74,E90,E92,E94,E111
27	27		1910533-00	74S03 NAND GATE-QUAD 2IN,0	1		E128
28	28		1910534-00	74S04 INVERTER GATE-HEX 1I	3		E105,E110,E123

REVISION HISTORY		BASIC PART NO: M7098		DRN: M.FUNARO	DATE: 22-JAN-79	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: E.T.GERRY	DATE: 22-JAN-79	TITLE PARTS LIST			
---	INITIAL	B	SECTION VARIATION INDEX	DFS,ENG: R. DAY <td>DATE: 27-JUN-79 <td colspan="4">DOCUMENT NUMBER</td> </td>	DATE: 27-JUN-79 <td colspan="4">DOCUMENT NUMBER</td>	DOCUMENT NUMBER			
BG	M7098-TW003	C	[A] 00	RESP,ENG: J. MITCHELL <td>DATE: 22-JAN-79 <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV</td> </td>	DATE: 22-JAN-79 <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV</td>	SIZE	CODE	NUMBER	REV
BG	M7098-TW004	D	[B]	MFG,ENG: J. COMELLA <td>DATE: 27-JUN-79 <td>K</td> <td>PL</td> <td>M7098-0-DBP</td> <td>E</td> </td>	DATE: 27-JUN-79 <td>K</td> <td>PL</td> <td>M7098-0-DBP</td> <td>E</td>	K	PL	M7098-0-DBP	E
BG	TW005	E	[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[D]	ID-UA-M7098-0-0		Z0621E,PLS		10	
			[E]						
			[F]						
			[G]						
			[H]						
			[I]						
			[J]						
			[K]						
			[L]						
			[M]						
			[N]						

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TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
29	29	1910535-00	74S05 INVERTER GATE-HEX 1	2	E68,E72
30	30	1910536-00	74S10 NAND GATE-TRIPLE 3IN	2	E83,E96
31	31	1910537-00	74S11 AND GATE-TRIPLE 3IMP	2	E47,E75
32	32	1910541-00	74S74 FF-D DUAL,EDGE TRIGG	8	E81,E95,E112-E116,E119
33	33	1910548-00	74S157 MUX 1 OF 2 (QUAD)	3	E38,E55,E102
34	34	1910550-00	74S174 FF-D HEX	1	E101
35	35	1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E100
36	36	1910957-00	74S175 FF-D QUAD COMMON CLO	2	E87,E98
37	37	1911324-00	7414 INVERTER,HEX 1IN SCH	1	E126
38	38	1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	2	E99,E109
39	39	1911579-00	8641 TRANSCEIVER,BUS,QUA	11	E2,F3,E11,E21,E52,E60,E61,E71, CONT E79,E80,E121
40	40	1911641-00	SN 74S257 MUX,QUAD 2 TO 1	4	E7,E17,E24,E25
41	41	1911712-00	74S51 AND-OR GATE-INVERT D	1	E106
42	42	1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E27
43	43	1912097-00	SN 74S182 LOOK AND CARRY GEN	2	E26,E36
44	44	1912388-00	74S02 NOR GATE-QUAD 2IN,PO	5	E67,E89,E107,E118,E125
45	45	1912389-00	74S08 AND GATE-QUAD 2IN,PO	8	E40,E53,E54,E57,E85,E93,E120, CONT E124
46	46	1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	2	E77,E84
47	47	1912829-00	LS86 X-OR GATE-QUAD 2IN	1	E8
48	48	1913340-00	74S32 OR GATE-QUAD 2IN	3	E39,E76,E103
49	49	1913462-00	74S240 OCTAL BUFFER,INVERTI	9	E4,E14,E20,E30,E31,E41-E43,E51
50	50	1913493-00	74S241 OCTAL BUFFER,TRI-STA	6	E9,E12,E13,E18,E22,E23
51	51	1913663-00	93419DC RAM 64X9 28PIN TT	3	E5,E15,E34
52	52	1913671-00	74S374 FF-D OCTAL TRISTATE	2	E10,E19
53	53	1913700-00	74S381 ALU-4BIT	5	E33,E35,E37,E44,E46
54	54	1914085-00	74S260 NOR GATE-DUAL,POS	1	E122
55	55	1914086-00	74S30 NAND GATE-POS 8IN	1	E62
56	56	1911637-00	74132 NAND GATE-QUAD 2 IN	1	E117
57	57	23000A9-01	*** THIS ITEM IS NOT USED ***	-	
58	58	23032C6-00	C6-01	1	E82
59	59	23000F1-01	*** THIS ITEM IS NOT USED ***	-	
60	60	9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	
61	61	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	14	W1-W12,W17,W18
62	62	1311422-00	178.0 .25 W 1.0 % RN55D-F10	5	R36,R38,R48,R49,R56
63	63	1305125-00	383.0 .25 W 1.0 % RN55D-F10	5	R37,R45,R47,R57,R58
64	64	23054C6-00	C6-01	1	E64
65	65	23052C6-00	C6-01	1	E45
66	66	23446F1-00	F1-02	1	E58
67	67	1012121-00	220.0 MMF 100V 1%200PPM DM15S	1	C1
68	68	9009157-00	ADH,LIQ,RM,TFMP CURING COLORLESS	A/R	
69	69	9105740-55	WIRE(WRAP)30AWG UL1423	1	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							KD11-Z UBI MODULE		K	PL	M7098-0-DBP	E

TW