





PARTS LIST

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
				BC	BF	BH	
1	B-DD-M8743-BA		DWG DIRECTORY	REF	REF	REF	
2	D-UA-M8743-BA-0		UNIT ASSY	REF	REF	REF	
3	D-MD-5015117-0-0		CIRCUIT DRILL & ETCH	REF	REF	REF	
4	D-EC-5015117-BA-0		ETCH CUT DWG	REF	REF	REF	
5	D-CS-M8743-BA-MS01		CIRCUIT SCHEMATIC	REF	REF	REF	
6		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	1	1	D1
7		5015117-00	DRILL AND ETCH BRD.	1	1	1	
8		1005306-00	.8MFD 35V 10% S.TANT	1	1	1	C1
9		1012084-03	150 MFD 15V +75-10% AL EL	2	2	2	C5,C6
10		1018200-00	220.0 MMF 50V 1% CER	2	2	2	C2,C3
11		1014265-02	.33 MFD 50V +80-20% CER	142	142	142	C4,C7-C147
12		1117373-00	LED ASSY GREEN	1	1	1	D3
13		1117373-01	LED ASSY RED	1	1	1	D2
14		1211164-00	SW,DIP 4POS/1PST 5VDC100MA F	1	1	1	E28
15		1211164-04	SW,DIP 08POS/1PST 5VDC100MA F	1	1	1	E38
16		1216988-02	HANDLE,MODULE,HEX TWO EJECTORS	1	1	1	
17		1300229-00	100.0 .25 W 5.0 % CF	2	2	2	R5,R22
18		1300316-00	470.0 .25 W 5.0 % CF	2	2	2	R3,R4
19		1300447-00	4.70 K .25 W 5.0 % CF	3	3	3	R11,R12,R18
20		1301322-00	180.0 .25 W 5.0 % CF	1	1	1	R19
21		1301808-00	22.0 K .25 W 5.0 % CF	1	1	1	R1
22		1302124-00	18.0 .25 W 5.0 % CF	1	1	1	R2
23		1302128-00	17.80 .50 W 1.0 % RN60E-F 2	1	1	1	R16
24		1302858-00	100.0 .25 W 1.0 % RN55D-F10	1	1	1	K7
25		1303064-00	75.0 .25 W 1.0 % RN55D-F10	1	1	1	R6
26		1304858-00	348.0 .25 W 1.0 % RN55D-F10	1	1	1	R8
27		1305123-00	215.0 .25 W 1.0 % RN55D-F10	1	1	1	R9
28		1311522-00	200.0 .25 W 5.0 % CF	1	1	1	R13
29		1316395-00	R NETWORK 9-4.7K 2.0 % 10PIN	5	5	5	R14,R15,R23,R25,R26
30		1316395-02	R NETWORK 9-1.0K 2.0 % 10PIN	2	2	2	R17,R24

REVISION HISTORY		BASIC PART NO: M8743		DRN: J. RICHARD		DATE: 10-FEB-82		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	P. BOSSMAN	DATE:	17-FEB-82	TITLE PARTS LIST			
JJ	INITIAL	A	SECTION VARIATION INDEX	DES.ENG:	J. JANETOS	DATE:	17-FEB-82	MS11-P MEMORY			
			[A] BC,BF,BH	RESP.ENG.:	J. JANETOS	DATE:	17-FEB-82	DOCUMENT NUMBER			
			[B]	MFG.ENG.:	R. HILL	DATE:	17-FEB-82	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:	D-UA-M8743-BA-0	TOP DOCUMENT NUMBER:	#B-DD-M8743-BA	K	PL	M8743-BA- 3P	A
			[D]			FILE NAME:	Z2712A.PLS				EDIT #
			[E]								21
			[F]								
			[G]								
			[H]								
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

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AUTOMATED BY PRTLST.3P(44)

PARTS LIST

SHEET A2 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					BC	BF	BH	
31	31		1317494-00	22.10 K .25 W 1.0 % RN55D-F10	2	2	2	R20,R21
32	32		1505321-00	DEC4258 PNP 200MW SI 12 30 M	2	2	2	Q1,Q2
33	33		1610033-00	DELAY= 10-100NS,10TAPS	1	1	1	E10
34	34		1909705-00	DEC 8881 NAND GATE-QUAD 2IN 0	1	1	1	E27
35	35		1910534-00	74S04 INVERTER GATE-HEX 1I	1	1	1	E12
36	36		1910536-00	74S10 NAND GATE-TRIPLE 3IN	1	1	1	E5
37	37		1910540-00	74S22 NAND GATE-DUAL 4INPU	1	1	1	E3
38	38		1910542-00	74S64 A-O-I GATE 4-2-3-2	2	2	2	E9,E17
39	39		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	1	1	1	E6
40	40		1910546-00	74S140 NAND GATE-DUAL 4INPU	1	1	1	E4
41	41		1910547-00	74S153 MUX 1 OF 4 (DUAL)	4	4	4	E49,E50,E55,E56
42	42		1910549-00	74S158 MUX 1 OF 2 (QUAD)	1	1	1	E45
43	43		1910550-00	74S174 FF-D HEX	1	1	1	E40
44	44		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	2	2	2	E1,E54
45	45		1911579-00	8641 TRANSCEIVER,BUS,QUA	4	4	4	E7,E13,E18,E22
46	46		1911944-00	555CN TIMER,FUNCT.BLOCK	1	1	1	E47
47	47		1911983-00	74S133 NAND GATE-POSITIVE 1	1	1	1	E37
48	48		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	2	2	2	E2,E23
49	49		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	1	1	E35
50	50		1912803-00	LS04 INVERTER GATE,HEX	1	1	1	E11
51	51		1912820-00	LS51 A-O-I GATE 2-WIDE 2I	1	1	1	E32
52	52		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1	1	1	E30
53	53		1912828-00	LS85 COMPARATOR,4BIT MAGN	1	1	1	E31
54	54		1912834-00	LS112 FF-JK,DUAL,EDGE TRIG	1	1	1	E8
55	55		1913340-00	74S32 OR GATE-QUAD 2IN	1	1	1	E26
56	56		1913670-00	74S373 LATCH 8BIT TRASP TR	3	3	3	E14,E16,E19
57	57		1913777-00	LS240 DRIVER,LINE,OCTAL,T	1	1	1	E43
58	58		1913887-00	74S258 MUX 1 OF 2(QUAD)TRI	1	1	1	E21
59	59		1914451-00	74LS393 COUNTER,BINARY,4BIT	2	2	2	E51,E57
60	60		1915219-00	LS373 FF-D OCTAL-TRANSPARE	2	2	2	E44,E46
61	61		1918822-00	2960 ERROR DETECTOR/CORRE	1	1	1	E15
62	62		1919004-00	DC 750 REGISTER,ADDRESS	1	1	1	E24
63	63		1919015-00	DC 021 BUS TRANSCEIVER,20PI	3	3	3	E36,E42,E48
64	64		1919095-00	2966PC DYNAMIC MEMORY DRIV	2	2	2	E61,E64
65	65		2118467-01	8264-20 RAM 64K X1,200NS 1	176	-	-	E100-E107,E110-E117,E120-E127, CONT E130-E137,E140-E147,E150-E157, CONT E160-E167,E170-E177,E180-E187, CONT E190-E197,E200-E207,E210-E217, CONT E220-E227,E230-E237,E240-E247, CONT E250-E257,E260-E267,E270-E277, CONT E280-E287,E290-E297,E300-E307, CONT E310-E317
66	66		1919635-01	2965 DRIVER,DYNAMIC RAM	5	5	5	E59,E60,E6 ,E63,E65
67	67		9000024-01	EYELET,ROLLED 0.1210DX0.192	12	12	12	
68	68		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	4	4	4	W1-W4
69	69		1302388-00	2.0 K .25 W 5.0 % CF	1	1	1	R10
70	70		1910544-01	74S74-60GG-D DUAL,EDGE TRIG	1	1	1	E41
71	71	2 EACH IC	1215006-06	SKT,IC 24PIN DIP TIN SOLD	4	4	4	XE24,XE15

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MS11-P MEMORY		K	PL	M8743-BA-DBP	A

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					BC	BF	BH	
72	72		1219911-01	SKT, IC 24PIN DIP	4	4	4	XE20, XE25, XE29, XE34
73	73		23061D2-00	D2-02	1	1	1	E20
74	74		23062D2-00	D2-02	1	1	1	E25
75	75		23063D2-00	D2-02	1	1	1	E29
76	76		23064D2-00	D2-02	1	1	1	E34
77	77		23086B1-00	B1-03	1	1	1	E33
78	78		23087B1-00	B1-03	1	1	1	E39
79	79		23344A1-00	A1-05	1	1	1	E58
80	80		2118470-01	4864-1 MOS RAM 64K X1,200	-	176	-	E100-E107, E110-E117, E120-E127, CONT E130-E137, E140-E147, E150-E157, CONT E160-E167, E170-E177, E180-E187, CONT E190-E197, E200-E207, E210-E217, CONT E220-E227, E230-E237, E240-E247, CONT E250-E257, E260-E267, E270-E277, CONT E280-E287, E290-E297, E300-E307, CONT E310-E317
81	81		2118472-01	4164-2 MOS RAM 64K X1,200	-	176	-	E100-E107, E110-E117, E120-E127, CONT E130-E137, E140-E147, E150-E157, CONT E160-E167, E170-E177, E180-E187, CONT E190-E197, E200-E207, E210-E217, CONT E220-E227, E230-E237, E240-E247, CONT E250-E257, E260-E267, E270-E277, CONT E280-E287, E290-E297, E300-E307, CONT E310-E317
82	82	D-CA	743-BA-MS02	CIRCUIT SCHEMATIC	REF	REF	REF	
83	83	D-CA	743-BA-MS03	CIRCUIT SCHEMATIC	REF	REF	REF	
84	84	D-CA	743-BA-MS04	CIRCUIT SCHEMATIC	REF	REF	REF	
85	85	D-CS	M8743-BA-MS05	CIRCUIT SCHEMATIC	REF	REF	REF	
86	86	D-CS	M8743-BA-MS06	CIRCUIT SCHEMATIC	REF	REF	REF	
87	87	D-CS	M8743-BA-MS07	CIRCUIT SCHEMATIC	REF	REF	REF	
88	88	D-CS	M8743-BA-MS08	CIRCUIT SCHEMATIC	REF	REF	REF	
89	89	D-CS	M8743-BA-MS09	CIRCUIT SCHEMATIC	REF	REF	REF	
90	90	D-CS	M8743-BA-MS10	CIRCUIT SCHEMATIC	REF	REF	REF	
91	91	D-CS	M8743-BA-MS11	CIRCUIT SCHEMATIC	REF	REF	REF	
92	92	D-CS	M8743-BA-MS12	CIRCUIT SCHEMATIC	REF	REF	REF	
93	93	D-CS	M8743-BA-MS13	CIRCUIT SCHEMATIC	REF	REF	REF	
94	94		9105740-55	WIRE(WRAP) 30AWG KYNAR UL14	A/R	A/R	A/R	

- 95 NOTE: M8743 IS THE PRIMARY VARIATION OF THE 512KX16 BITS SYSTEM (NOT A MODULE TYPE).
- 96 NOTE: M8743-BF IS A MODULE TYPE USING FUJITSU 64K MOS DEVICES.
- 97 NOTE: M8743-BF IS A MODULE TYPE USING HITACHI 64K MOS DEVICES.
- 98 NOTE: M8743-BH IS A MODULE TYPE USING NEC 64K MOS DEVICES.
- 99 NOTE: ON ITEM 1 USE 2 PER EACH IC
- 100 NOTE: THIS ASSEMBLY CONTAINS ITEMS SENSITIVE TO ELECTRO-STATIC DISCHARGE.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MS11-P MEMORY		K	PL	M8743-BA-DBP	A

AUTOMATED BY PRTLST.3P(11)

P A R T S L I S T

SHEET A4 OF A4

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION

BC BF BH

REFERENCE DESIGNATOR

101 NOTE: MAINTAIN ANTI-STATIC PROTECTION PROCEDURES PER DEC STD 067.

D	I	G	I	T	A	L	TITLE	MS11-P MEMORY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M8743-BA-DBP	A



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NOTES: 1. THIS BOARD MEETS REQUIREMENTS FOR UL RATING 94V0.  
 2. DO NOT INSTALL E52 & E53.

CHK	CHANGE NO	REV
28	MB743-BA	B
29	SH001	
30	SH002	
31	SH003	
32	SH004	
33	SH005	
34	SH006	
35	SH007	
36	SH008	
37	SH009	
38	SH010	
39	SH011	
40	SH012	
41	SH013	
42	SH014	
43	SH015	
44	SH016	
45	SH017	
46	SH018	
47	SH019	
48	SH020	
49	SH021	
50	SH022	
51	SH023	
52	SH024	
53	SH025	
54	SH026	
55	SH027	
56	SH028	
57	SH029	
58	SH030	
59	SH031	
60	SH032	
61	SH033	
62	SH034	
63	SH035	
64	SH036	
65	SH037	
66	SH038	
67	SH039	
68	SH040	
69	SH041	
70	SH042	
71	SH043	
72	SH044	
73	SH045	
74	SH046	
75	SH047	
76	SH048	
77	SH049	
78	SH050	
79	SH051	
80	SH052	
81	SH053	
82	SH054	
83	SH055	
84	SH056	
85	SH057	
86	SH058	
87	SH059	
88	SH060	
89	SH061	
90	SH062	
91	SH063	
92	SH064	
93	SH065	
94	SH066	
95	SH067	
96	SH068	
97	SH069	
98	SH070	
99	SH071	
100	SH072	
101	SH073	
102	SH074	
103	SH075	
104	SH076	
105	SH077	
106	SH078	
107	SH079	
108	SH080	
109	SH081	
110	SH082	
111	SH083	
112	SH084	
113	SH085	
114	SH086	
115	SH087	
116	SH088	
117	SH089	
118	SH090	
119	SH091	
120	SH092	
121	SH093	
122	SH094	
123	SH095	
124	SH096	
125	SH097	
126	SH098	
127	SH099	
128	SH100	

STEP	Y AXIS	STEP	TIMES
REPEAT	X AXIS	STEP	TIMES

SIGNATURES	DATE
DRN <i>John Brown</i>	5/1/72
CHK D. <i>John Brown</i>	5/1/72
PROJ. ENG. <i>John Brown</i>	5/1/72
PROD. <i>John Brown</i>	5/1/72
ETCH REV. C	

TITLE		MS11-P MEMORY	
SCALE 2/1	SIZE CODE	NUMBER	REV
SMT. 1 OF 2	D UA	M8743-BA-0	
NEXT HIGHER ASSY. B-DD-M8743-BA			

DUA M8743-BA-0  
 04 TYP  
 SPLCS

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0-V8-E478W UN D 2

FIRST RELEASE

WIRE ADDS:

SIDE 1:

- Ø-1: ADD WIRE FROM E37-10 TO E29-6.
- Ø-2: ADD WIRE FROM E12-7 TO E17-9.
- Ø-3: ADD WIRE FROM E17-10 TO E16-8.
- Ø-4: ADD WIRE FROM E41-9 TO E16-18.
- Ø-5: ADD WIRE FROM E30-9 TO E46-4.
- Ø-6: ADD WIRE FROM E46-20 TO LOCATION E52-16.

ECO \*M8743-BA-SH001

REWORK INSTRUCTIONS:

PROCEDURE:

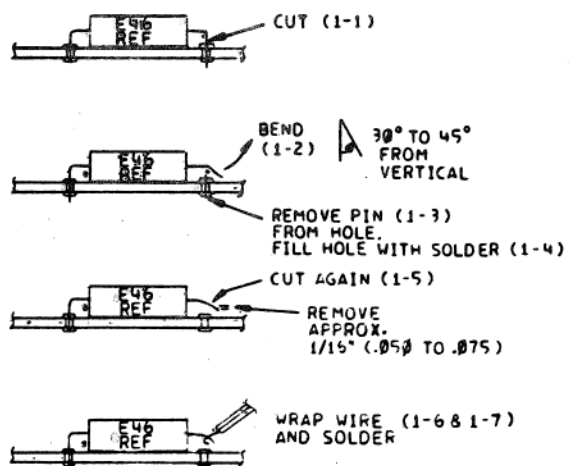
- 1 - 1. CUT PIN 20 ON E46 CLOSE TO BOARD.
- 1 - 2. BEND PIN 20 UP TO 45° ANGLE FROM VERTICAL.
- 1 - 3. REMOVE CUT PIN FROM HOLE.
- 1 - 4. FILL HOLE WITH SOLDER.
- 1 - 5. MAKE SECOND CUT, REMOVE ANOTHER 1/16".
- 1 - 6. PREPARE ECO WIRE.
- 1 - 7. WRAP ECO WIRE ON STUB OF PIN 20 & SOLDER TO PIN 20.
- 1 - 8. PLACE OTHER END OF WIRE IN HOLE (PIN POSITION 16 OF E52 - THIS IS AN EMPTY HOLE), SOLDER WIRE, DRESS AND GLUE WIRE.
- 1 - 9. TEST: 2224 DC TEST, 25°.

ECO \*2 REWORK:

WIRE ADDS:

- 2-1. ADD WIRE FROM E11-9 TO E23-9.
- 2-2. ADD WIRE FROM E45-15 TO E23-8.
- 2-3. ADD WIRE FROM E23-10 TO E-1-1.

M8743-BA REWORK INSTRUCTIONS:

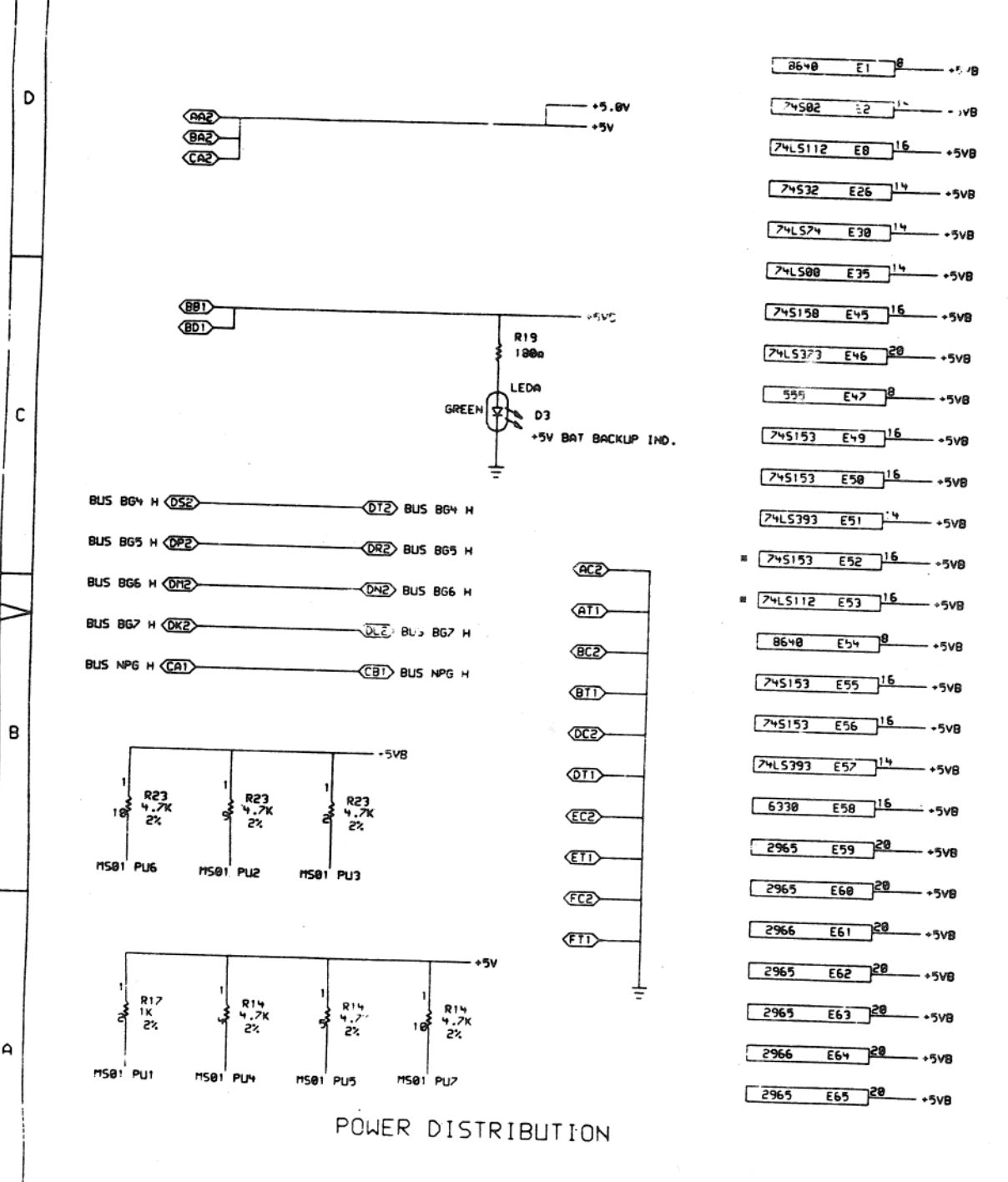


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	MS11-P MEMORY	SIZE CODE	D UA	NUMBER	M8743-BA-0	REV.	C
SCALE		SHEET	2	OF	2	DIST.	

SHO 1





STARTING ADDRESS DECIMAL (K) OCTAL	SWITCH SETTINGS FOR E38			
	PA17	PA16	PA15	PA14
0 00000000				X
8 00040000				
16 00100000			X	
24 00140000			X	X
32 00200000		X		
40 00240000		X		X
48 00300000		X	X	
56 00340000		X	X	X
64 00400000	X			
72 00440000	X			X
80 00500000	X		X	
88 00540000	X		X	X
96 00600000	X	X		
104 00640000	X	X		X
112 00700000	X	X	X	
120 00740000	X	X	X	X

X = OFF (OPEN)

**NOTES:**

- CHIPS POWER AND GND PINS ARE ALL STANDARD EXCEPT 8648 (+5VB PIN 8, GND PIN 1) AND 4164 (+5VB PIN 8, GND PIN 16).
- ALL RESISTOR ARE 1/4W 5% EXCEPT AS NOTED ON SCHEMATIC.
- E52 AND E53 ARE FUTURE OPTION.

STARTING ADDRESS RANGE DECIMAL (K) OCTAL	OCTAL	SWITCH SETTINGS FOR E38			
		PA21	PA20	PA19	PA18
128-248 01000000-01740000					X
256-376 02000000-02740000				X	
384-504 03000000-03740000				X	X
512-632 04000000-04740000			X		
640-760 05000000-05740000			X		X
768-888 06000000-06740000			X	X	
896-1016 07000000-07740000			X	X	X
1024-1144 10000000-10740000		X			
1152-1272 11000000-11740000		X			X
1280-1400 12000000-12740000		X		X	
1408-1528 13000000-13740000		X		X	X
1536-1656 14000000-14740000		X	X		
1664-1784 15000000-15740000		X	X		X
1792-1912 16000000-16740000		X	X	X	
1920-2040 17000000-17740000		X	X	X	X

TO OBTAIN INCREMENTAL 8K BOUNDARIES WITHIN THE SPECIFIED RANGE, REPEAT SWITCH SETTINGS FROM 0-120K TABLE.  
 X = OFF (OPEN)

CSR STARTING ADDRESS OCTAL	SWITCH SETTINGS FOR E28			
	CSA3	CSA2	CSA1	CSA0
17772'00				
17772'02				X
17772'04			X	
17772'06			X	X
17772'10		X		
17772'12		X		X
17772'14		X	X	
17772'16		X	X	X
17772'20	X			
17772'22	X			X
17772'24	X		X	
17772'26	X		X	X
17772'30	X	X		
17772'32	X	X		X
17772'34	X	X	X	
17772'36	X	X	X	X

X = OFF (OPEN)

**SWITCH CONFIGURATION:**

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REVISIONS	
CHK	CHANGE NO. REV

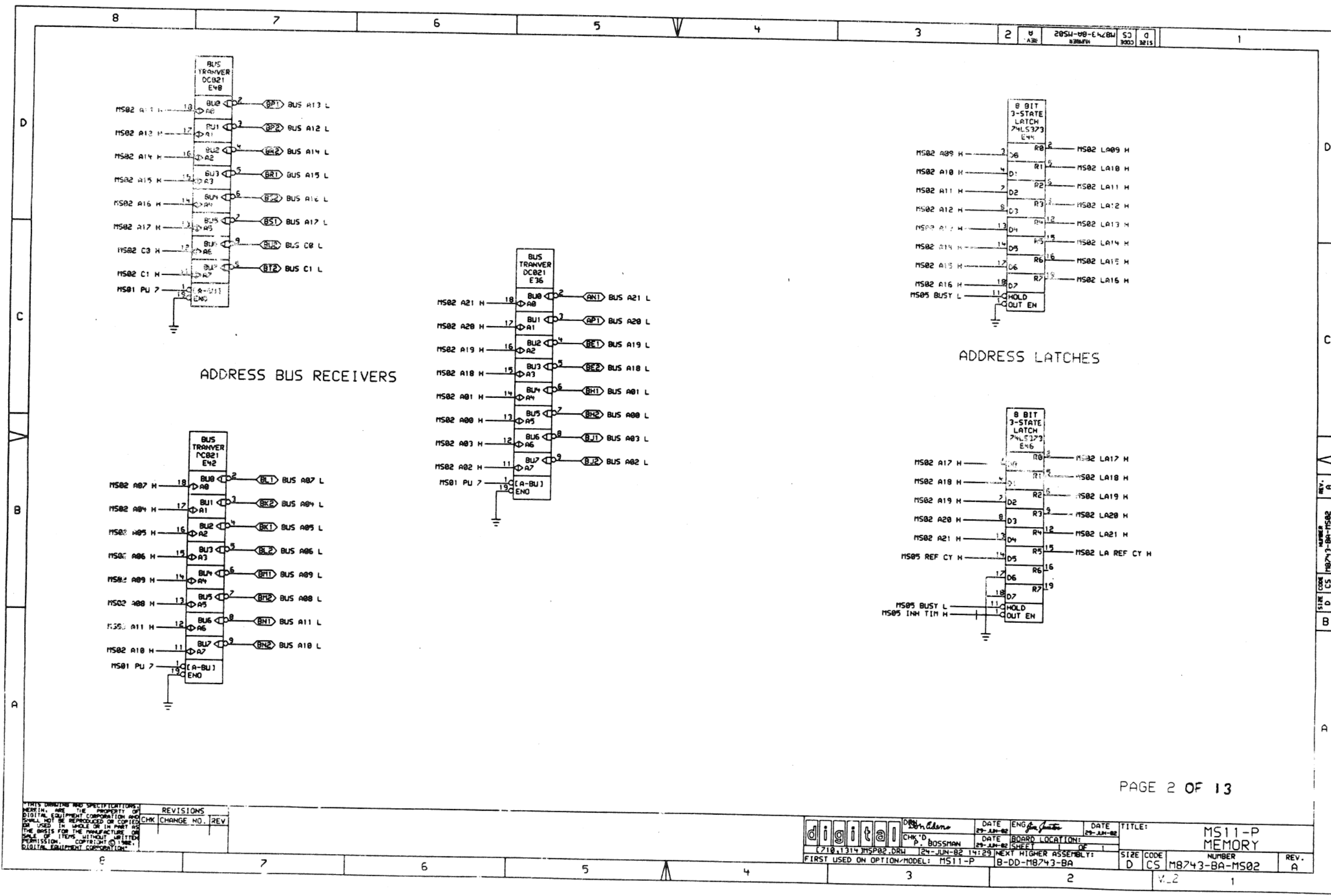
**digital** *Shelton*

DATE ENG: 07-08-83  
 DATE DESIGNED: 07-08-83  
 DATE CHECKED: 07-08-83  
 DATE RELEASED: 07-08-83

PA: JANE.TOS.MSP>MSP01.DRIJ05-JAN-83 15:22 NEXT HIGHER ASSEMBLY: B-DD-M8743-BA  
 FIRST USED ON OPTION/MODEL: MS11-P

FILE: MS11-P MEMORY  
 NUMBER: M8743-BA-MS01  
 REV: B

REV. B  
 NUMBER M8743-BA-MS01  
 SIZE CODE K CS



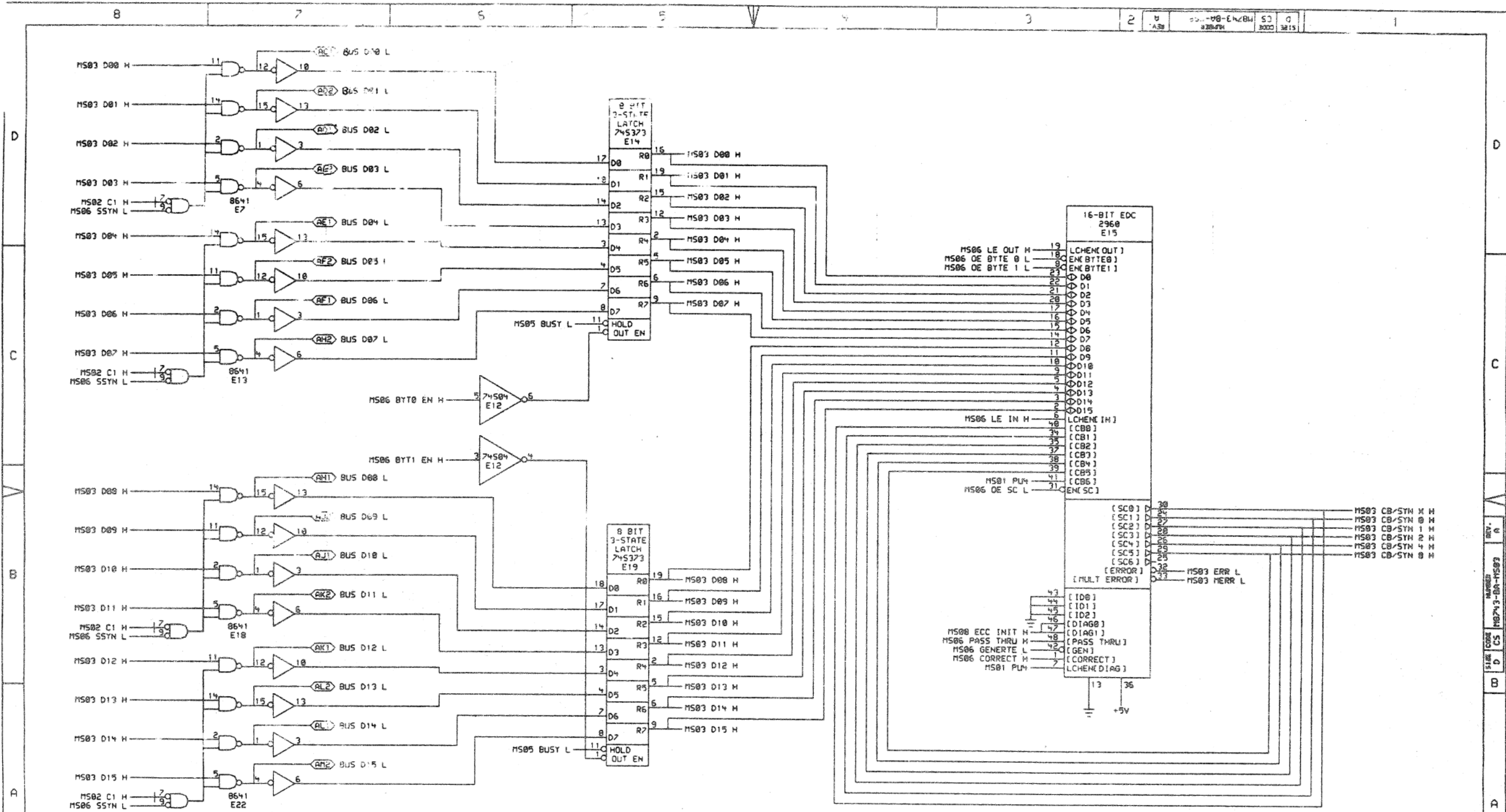
ADDRESS BUS RECEIVERS

ADDRESS LATCHES

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REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG	DATE	TITLE:
	27-JUN-82	for photo	27-JUN-82	MS11-P MEMORY
CHK'D	DATE	BOARD LOCATION:	SIZE	CODE
P. BOSSMAN	24-JUN-82	B-DD	D	CS
718.1314 MSP82.DRW	14:29	NEXT HIGHER ASSEMBLY:	NUMBER	REV.
FIRST USED ON OPTION/MODEL:	MS11-P	B-DD-M8743-BA	M8743-BA-MS02	A



DATA BUS TRANSCEIVERS

DATA LATCHES

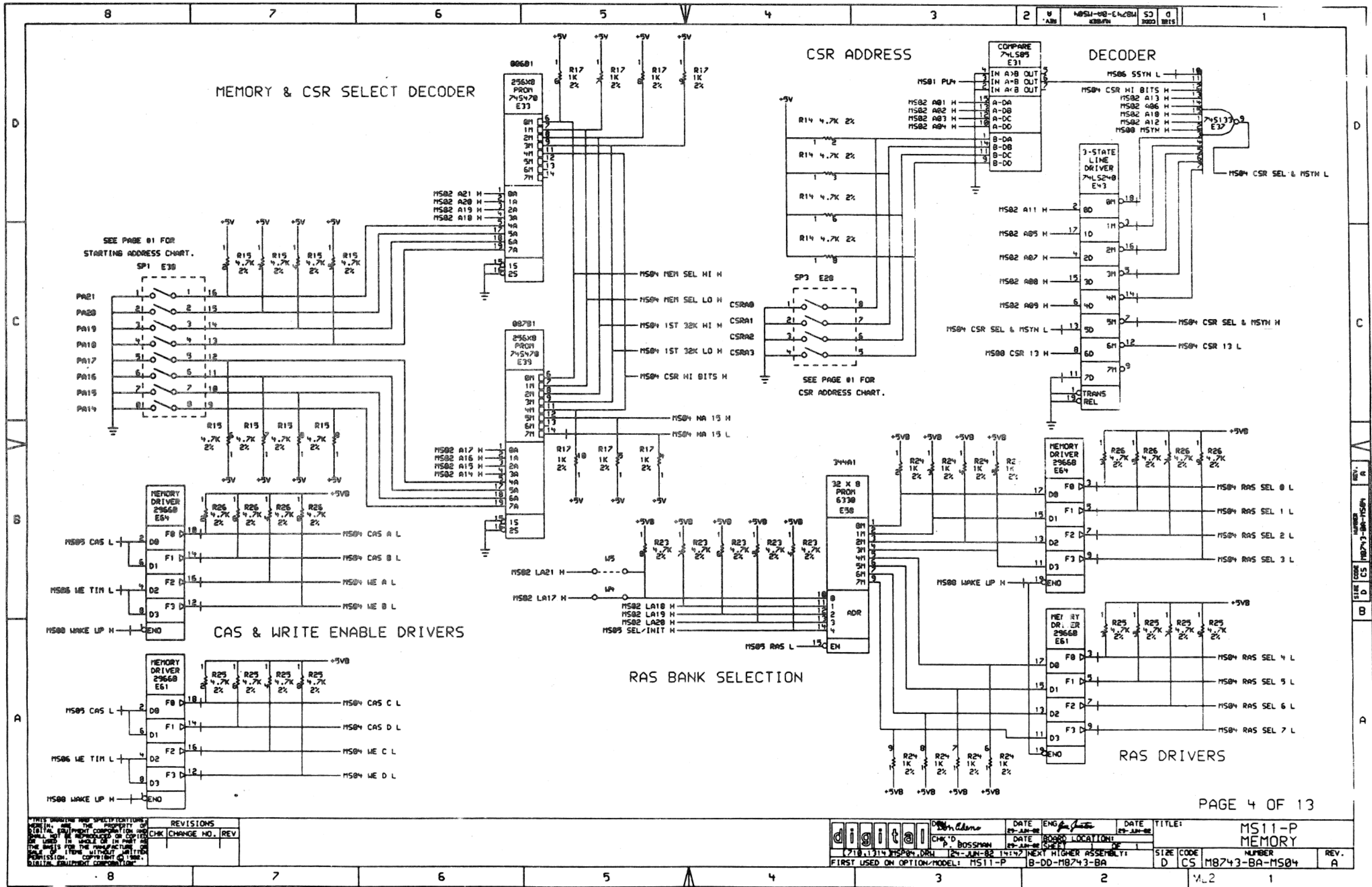
EDC LOGIC

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REV.	CHG	CHANGE NO.	REV

digital	DATE	ENG	DATE	TITLE:
	29-JUN-82	P. BOSSMAH	29-JUN-82	MS11-P MEMORY
	DATE	BOARD LOCATION:		
	29-JUN-82	SHEET 1 OF 1		
FIRST USED ON OPTION MODEL: MS11-P		NEXT HIGHER ASSEMBLY: B-DD-M8743-BA		SIZE CODE NUMBER REV.
		D CS M8743-BA-MS03		ML2 1

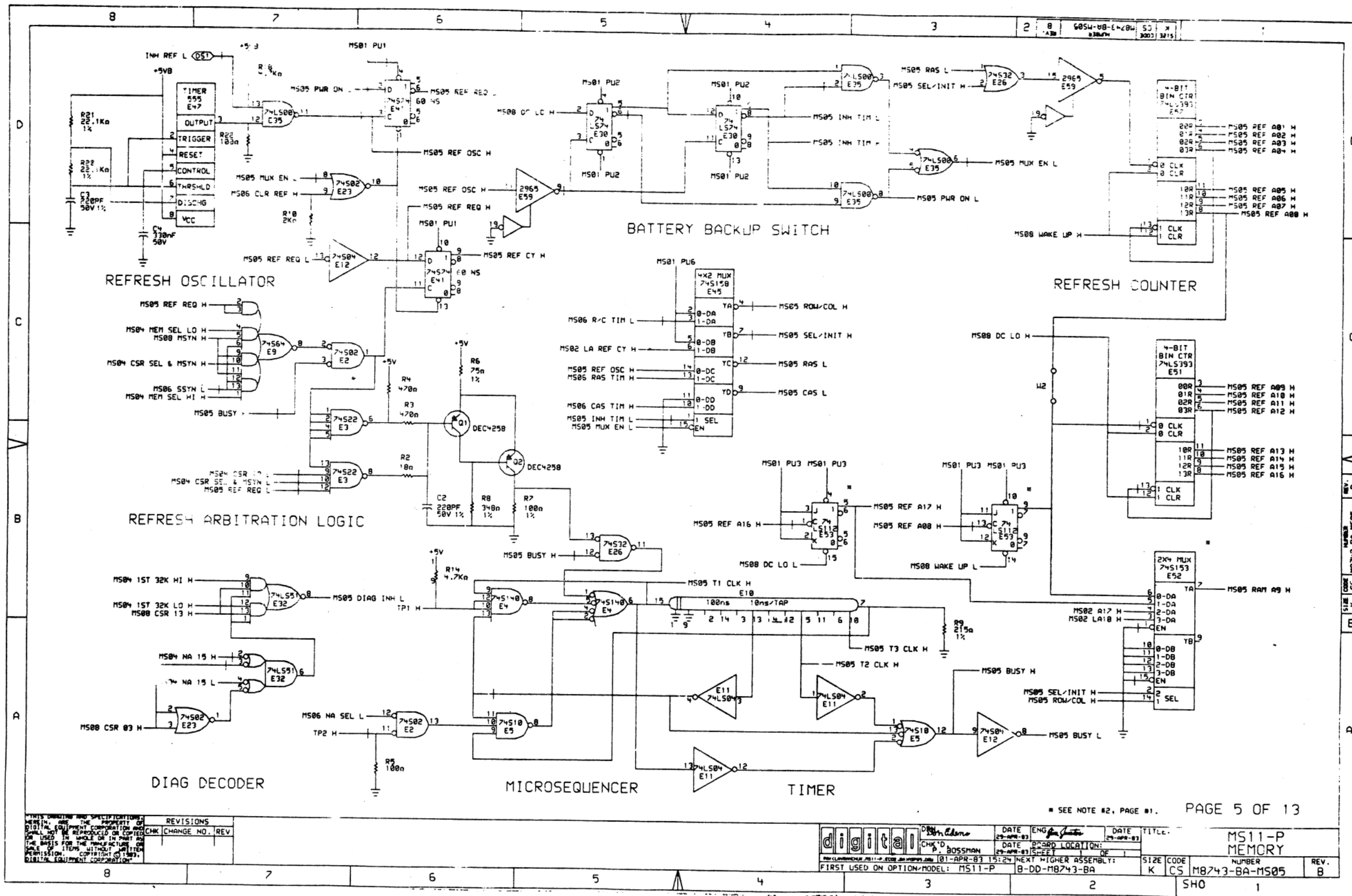
REV. A  
M8743-BA-MS03



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REV.	DATE	DESCRIPTION
1	12-11-81	INITIAL DESIGN
2	01-28-82	REVISED FOR MANUFACTURE
3	02-11-82	REVISED FOR MANUFACTURE
4	03-11-82	REVISED FOR MANUFACTURE
5	04-11-82	REVISED FOR MANUFACTURE
6	05-11-82	REVISED FOR MANUFACTURE
7	06-11-82	REVISED FOR MANUFACTURE
8	07-11-82	REVISED FOR MANUFACTURE

	DATE: 07-11-82	ENG: J. J. J.	DATE: 07-11-82	TITLE: MS11-P MEMORY
	CHK'D: BOSSMAN	DATE: 07-11-82	BOSSMAN	LOCATION: 1
FIRST USED ON OPTION/MODEL: MS11-P		NEXT HIGHER ASSEMBLY: B-DD-M8743-BA		SIZE: D
				CODE: CS
				NUMBER: M8743-BA-MS04
				REV: A



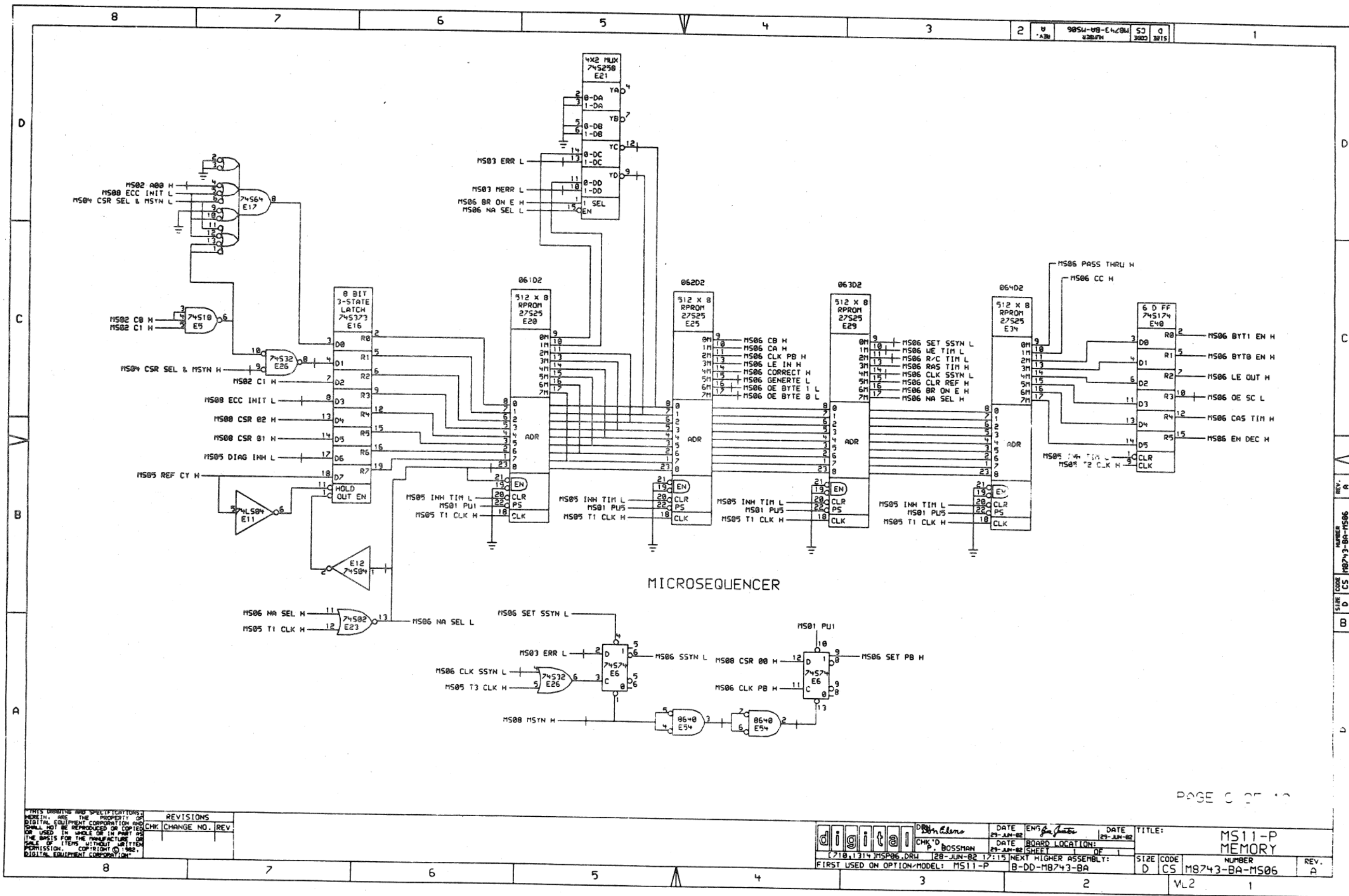
REV.	DATE	DESCRIPTION
1	01-APR-83	INITIAL DESIGN
2	01-APR-83	REVISIONS

REV.	DATE	DESCRIPTION
1	01-APR-83	INITIAL DESIGN
2	01-APR-83	REVISIONS

digital	DATE: 01-APR-83	ENG: [Signature]	DATE: 01-APR-83	TITLE: MS11-P MEMORY
CHK'D: P. BOSSMAN	DATE: 01-APR-83	DATE: 01-APR-83	DATE: 01-APR-83	NUMBER: M8743-BA-MS05
FIRST USED ON OPTION/MODEL: MS11-P	DATE: 01-APR-83	DATE: 01-APR-83	DATE: 01-APR-83	REV. B

SEE NOTE #2, PAGE #1. PAGE 5 OF 13





PAGE C OF 10

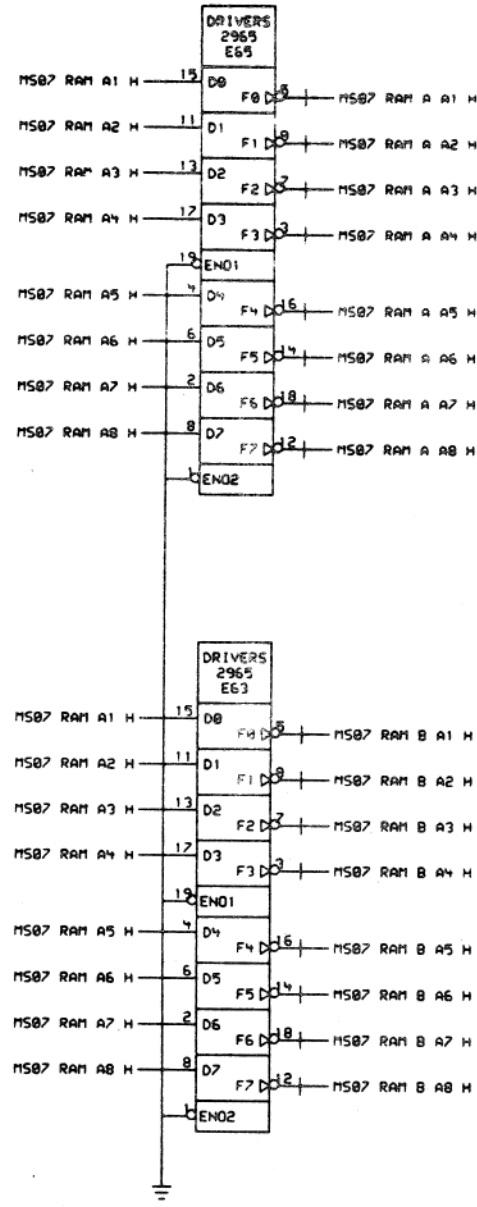
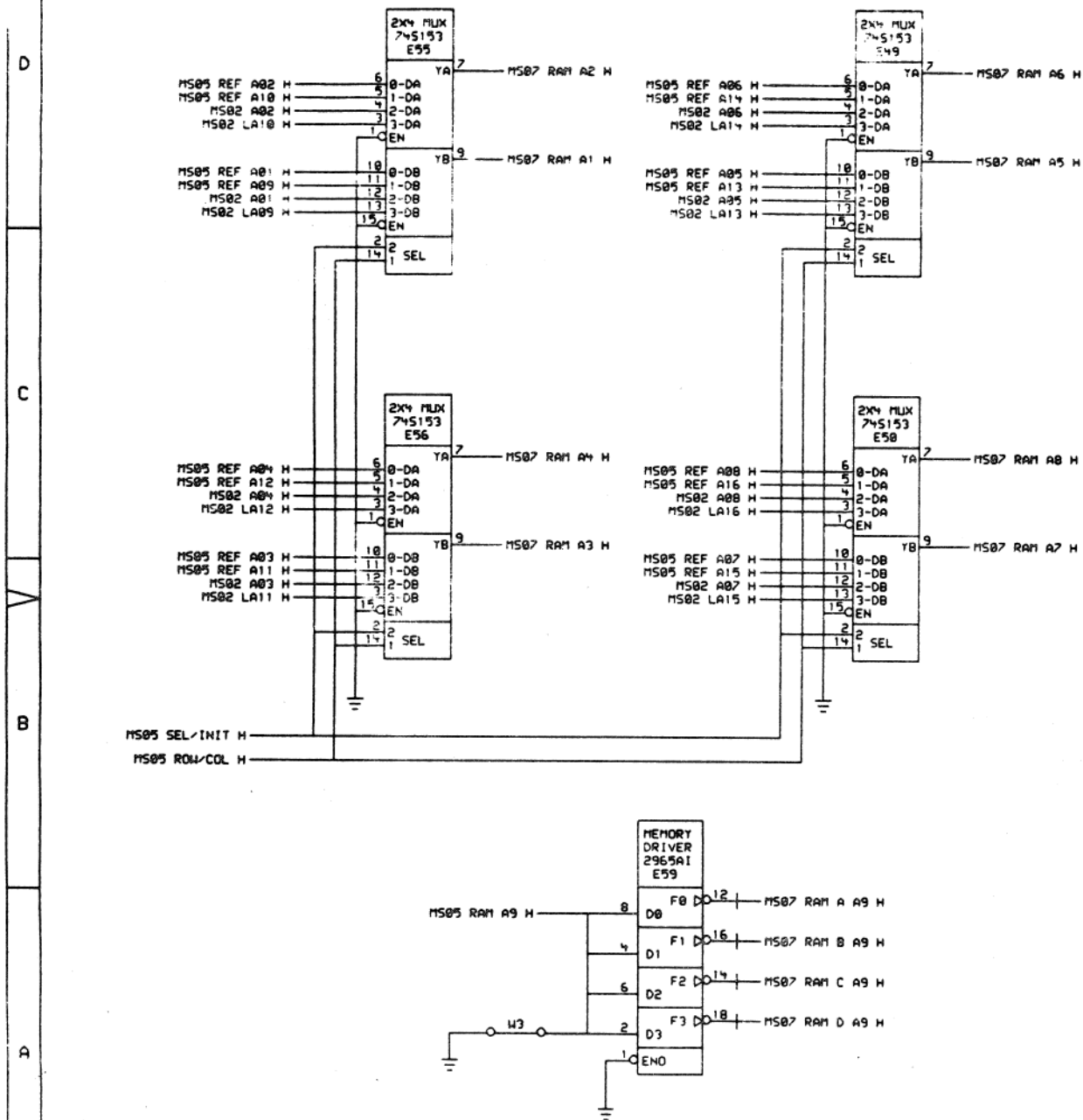
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REVISIONS	
CHK	CHANGE NO. REV

digital	DATE: 27-JUN-82	ENG: P. BOSSMAN	DATE: 27-JUN-82	TITLE: MS11-P MEMORY
	CHK'D: P. BOSSMAN	DATE: 27-JUN-82	BOARD LOCATION: B-DD-MB743-BA	SIZE CODE: D CS
FIRST USED ON OPTION/MODEL: MS11-P				NUMBER: M8743-BA-MS06
NEXT HIGHER ASSEMBLY: B-DD-MB743-BA				REV. A

15

ARRAY ADDRESSING MUXES

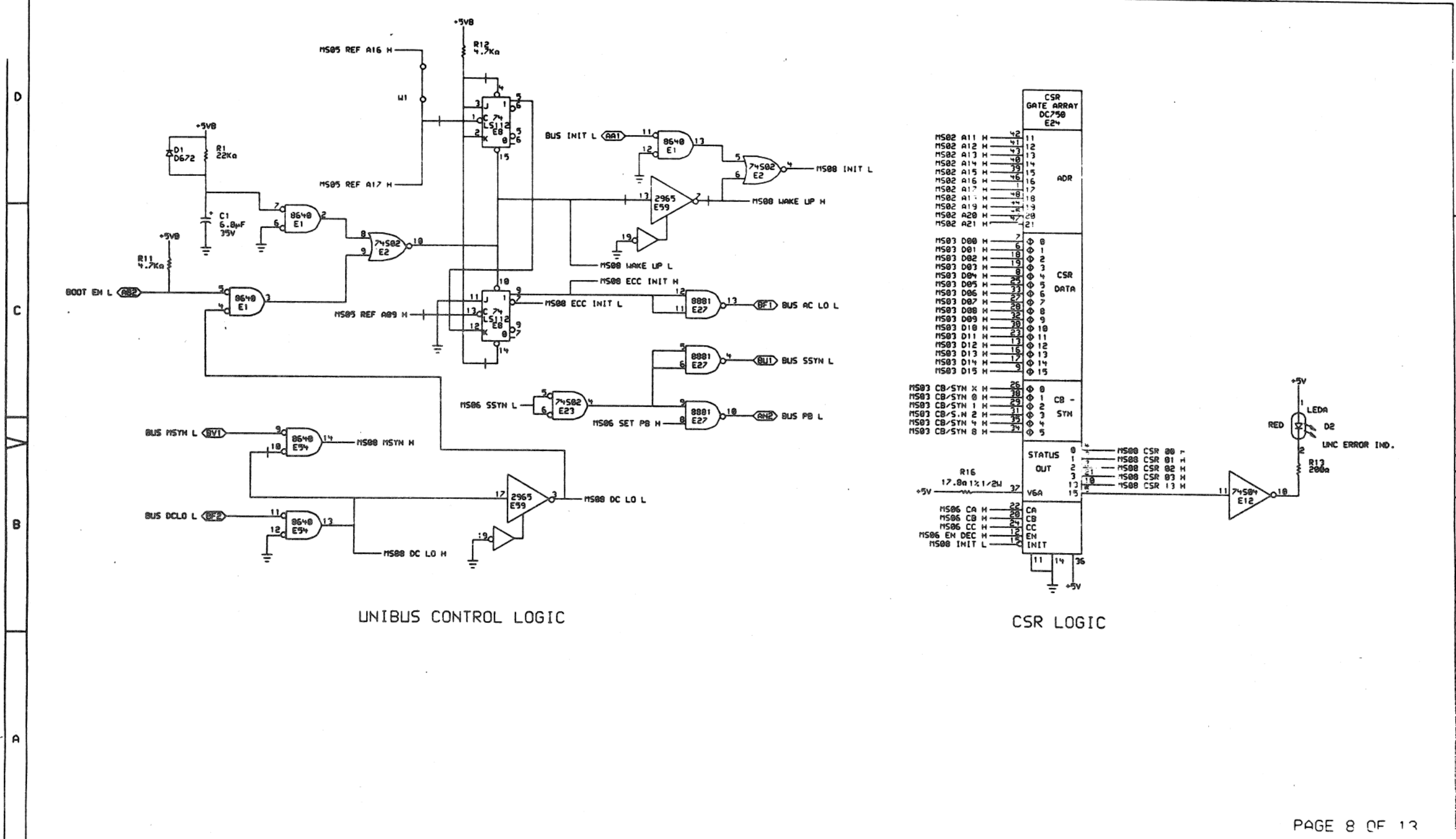


ARRAY ADDRESS DRIVERS

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REVISIONS	
CHK	CHANGE NO. REV

digital	DATE 29 JUN 82	ENG <i>for Jester</i>	DATE 29 JUN 82	FILE: MS11-P
	CHK'D P. BOSSMAN	DATE 29 JUN 82	SCARC LOCATION: SHEET 1 OF 1	NUMBER
FIRST USED ON OPTION/MODEL: MS11-P		NEXT HIGHER ASSEMBLY: B-DD-M8743-BA		SIZE CODE D CS M8743-BA-MS07



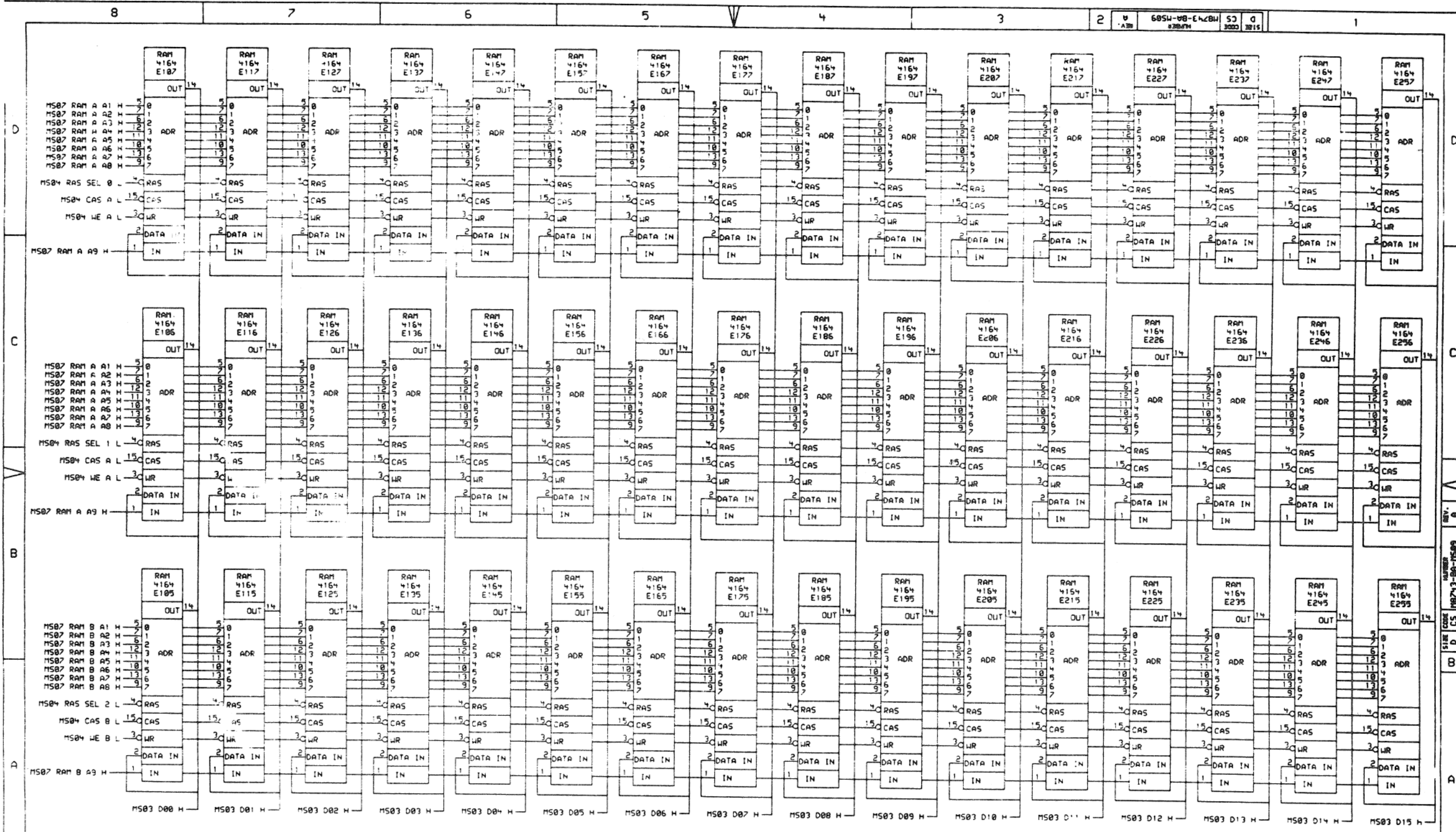
UNIBUS CONTROL LOGIC

CSR LOGIC

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REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG	DATE	TITLE:
	29-JUN-82	BOSSMAN	29-JUN-82	MS11-P MEMORY
CHK'D	DATE	BOARD LOCATION:	SIZE CODE	
P	29-JUN-82	SHEET 1 OF 1	D	CS
FIRST USED ON OPTION/MODEL: MS11-P			NEXT HIGHER ASSEMBLY: B-DD-M8743-BA	
			NUMBER	REV.
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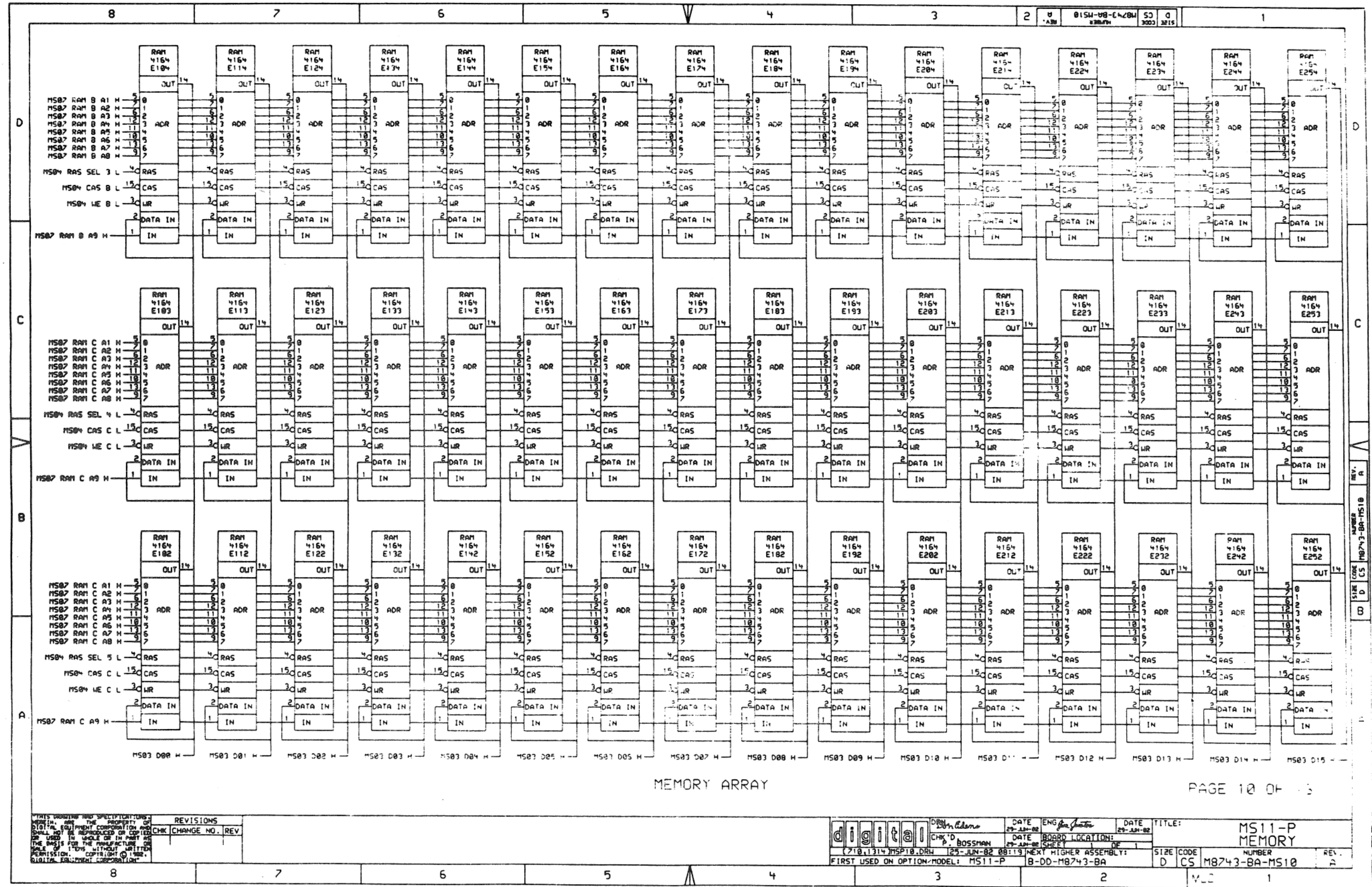
MEMORY ARRAY

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REVISIONS	
CHK	CHANGE NO. REV

	DATE 29-JUN-82	ENG Jm Justice	DATE 29-JUN-82	TITLE: MS11-P MEMORY
	CHK'D P. BOSSMAN	DATE 27-JUN-82	BOARD LOCATION: 1 OF 1	SIZE CODE D CS
FIRST USED ON OPTION/MODEL: MS11-P		NEXT HIGHER ASSEMBLY: B-DD-M8743-BA		NUMBER M8743-BA-MS09
				REV. A

REV. 4  
NUMBER M8743-BA-MS09  
SIZE CODE CS

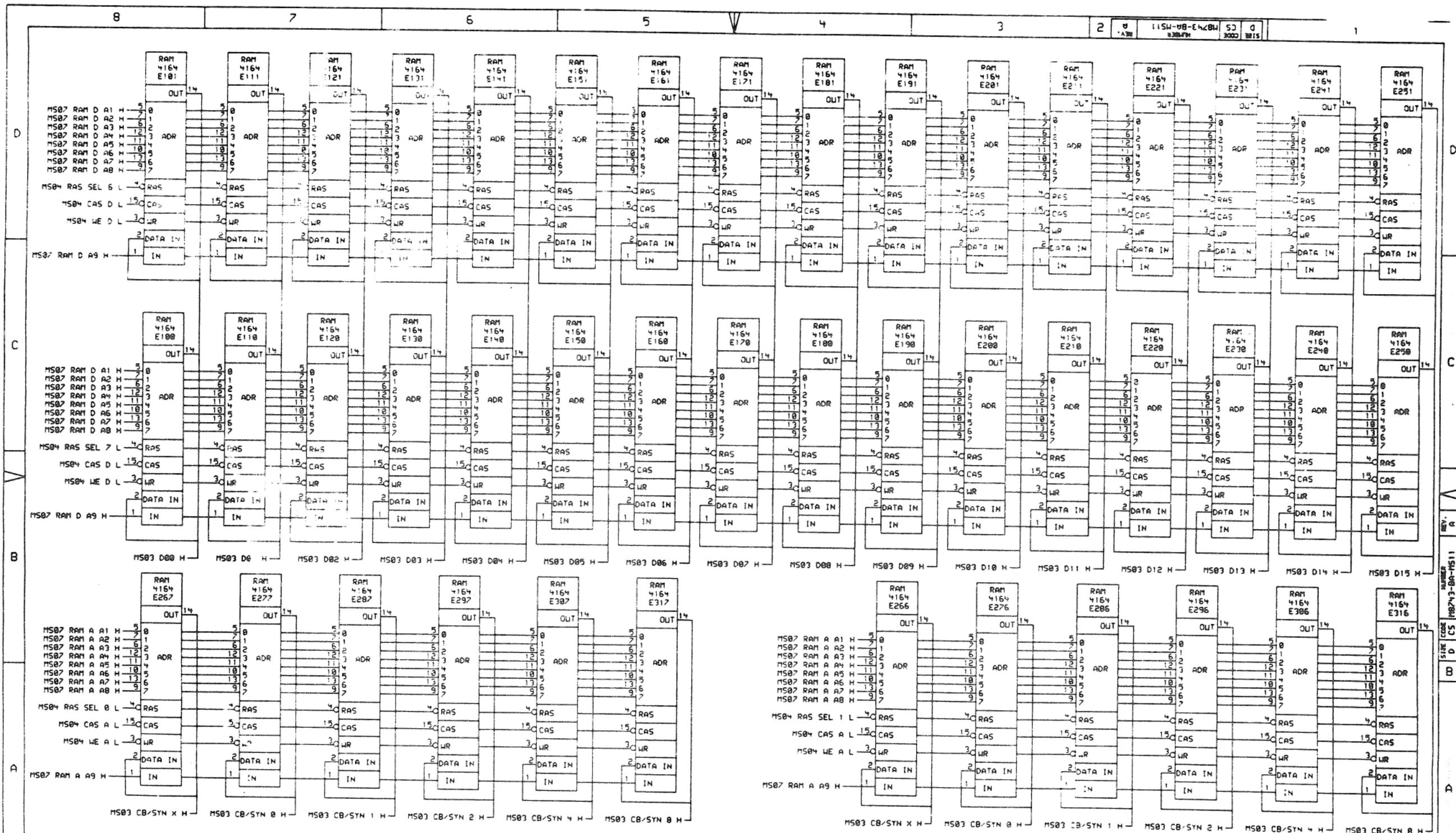


REVISIONS	
CHK	CHANGE NO. REV

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	CHK'D: P. BOSSMAN	DATE: 25-JUN-82	BOARD LOCATION: 1
FIRST USED ON OPTION MODEL: MS11-P		NEXT HIGHER ASSEMBLY: B-DD-M8743-BA	SIZE CODE: D CS
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			REV: A

7



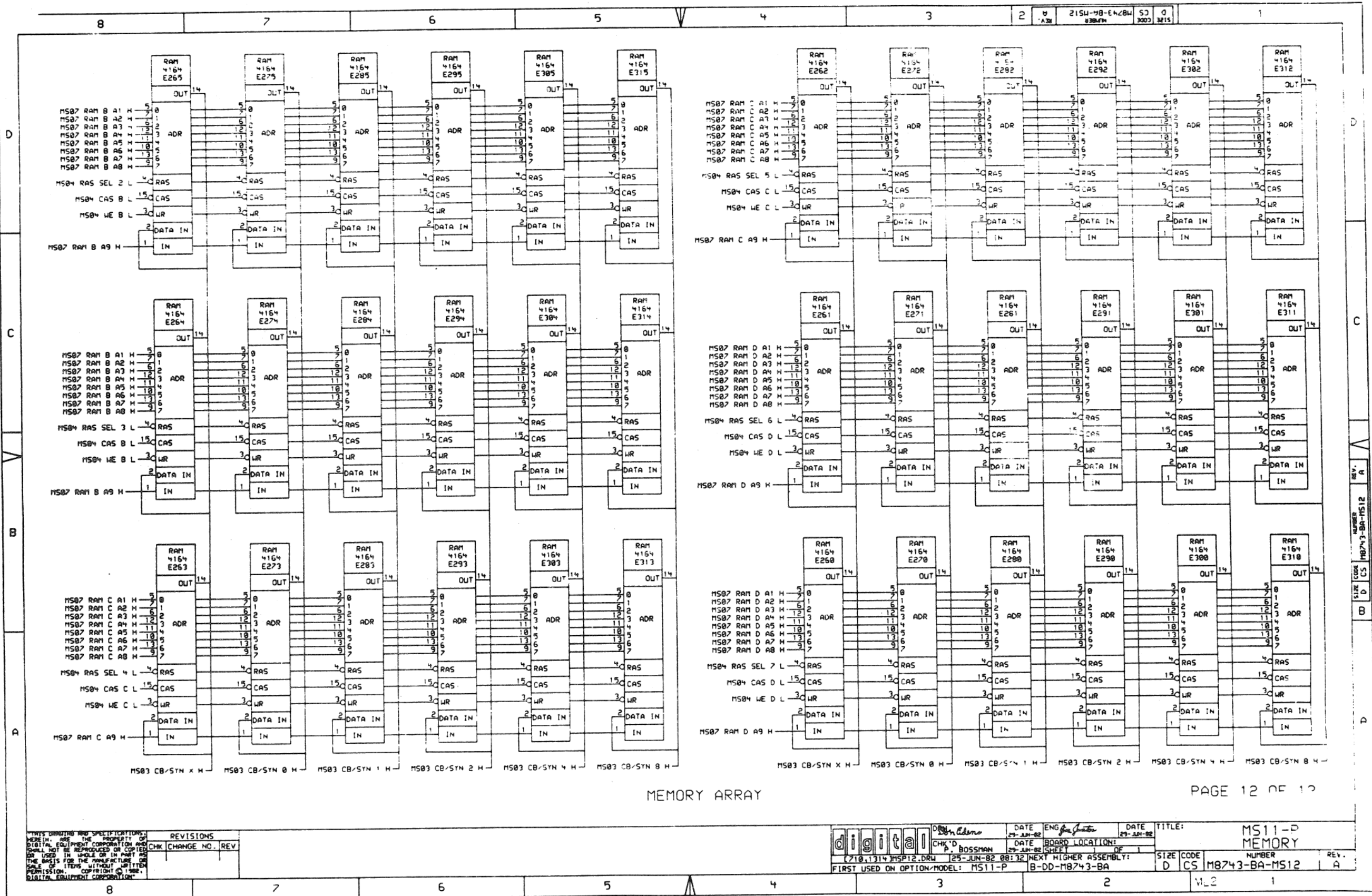


MEMORY ARRAY

REVISIONS	
CHK	CHANGE NO. REV

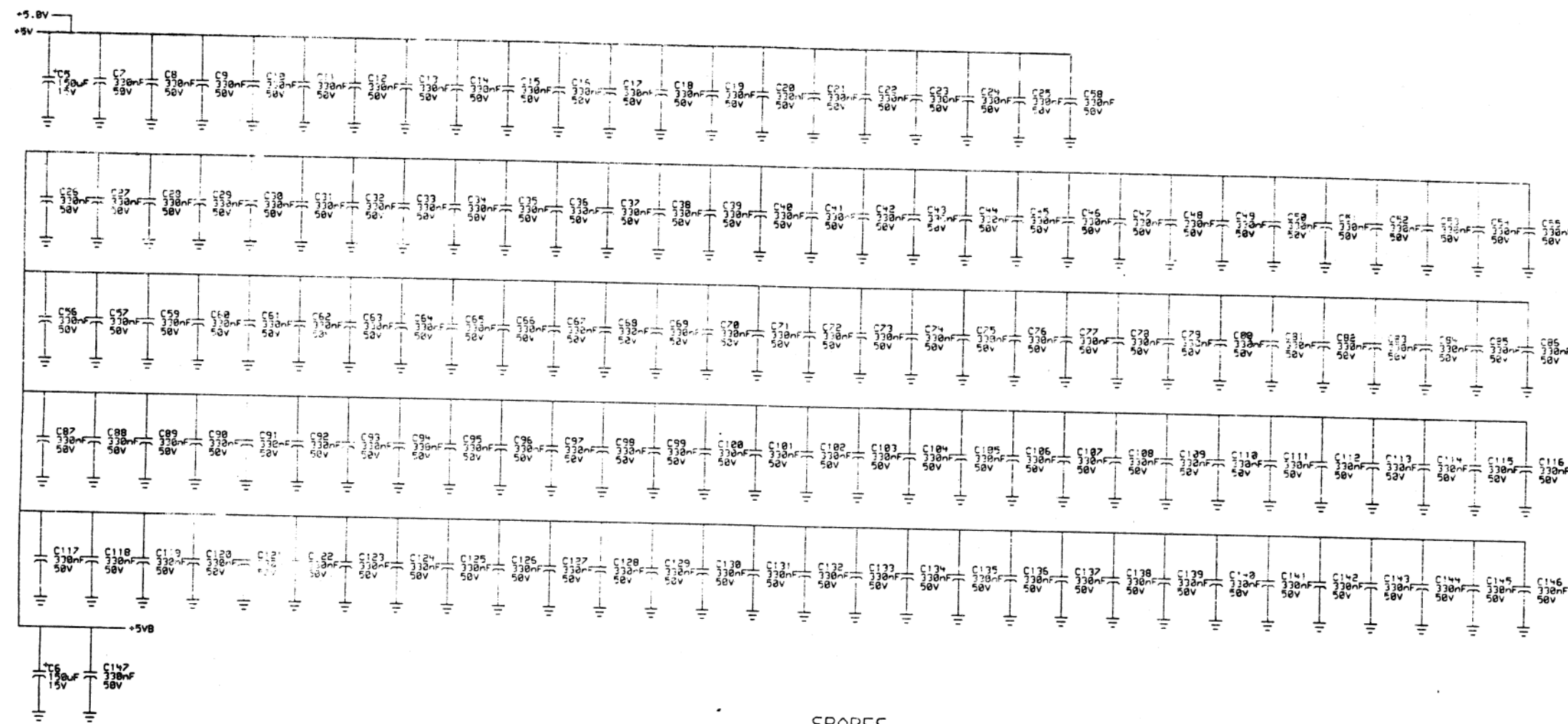
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SIZE: D  
 CODE: CS  
 NUMBER: M8743-BA-MS11  
 REV: A

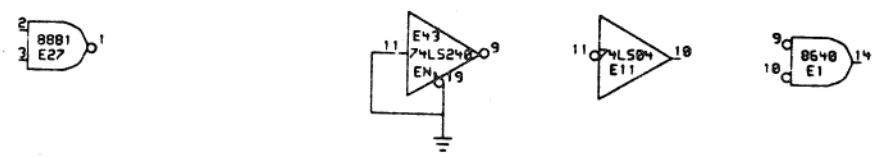


REV	DATE	DESCRIPTION
1	29-JUN-82	INITIAL DESIGN
2	29-JUN-82	REVISION

digital  
 DATE: 29-JUN-82  
 TITLE: MS11-P MEMORY  
 NUMBER: M8743-BA-MS12  
 REV: A  
 DATE: 29-JUN-82  
 BOARD LOCATION: B-DD-M8743-BA  
 SIZE CODE: D CS  
 FIRST USED ON OPTION MODEL: MS11-P



SPARES



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REVISIONS		
CHK	CHANGE NO.	REV

	DATE: 29-APR-83 CHK'D: P. BOSSMAN DATE: 29-APR-83 SHEET: 1	DATE: 29-APR-83 BOARD LOCATION: B-DD-MB743-BA NEXT HIGHER ASSEMBLY:	MS11-P MEMORY
	FIRST USED ON OPTION/MODEL: MS11-P	SIZE: K CODE: CS	NUMBER: MB743-BA-MS13

REV. B  
 NAME: MB743-BA-MS13  
 CS  
 CD

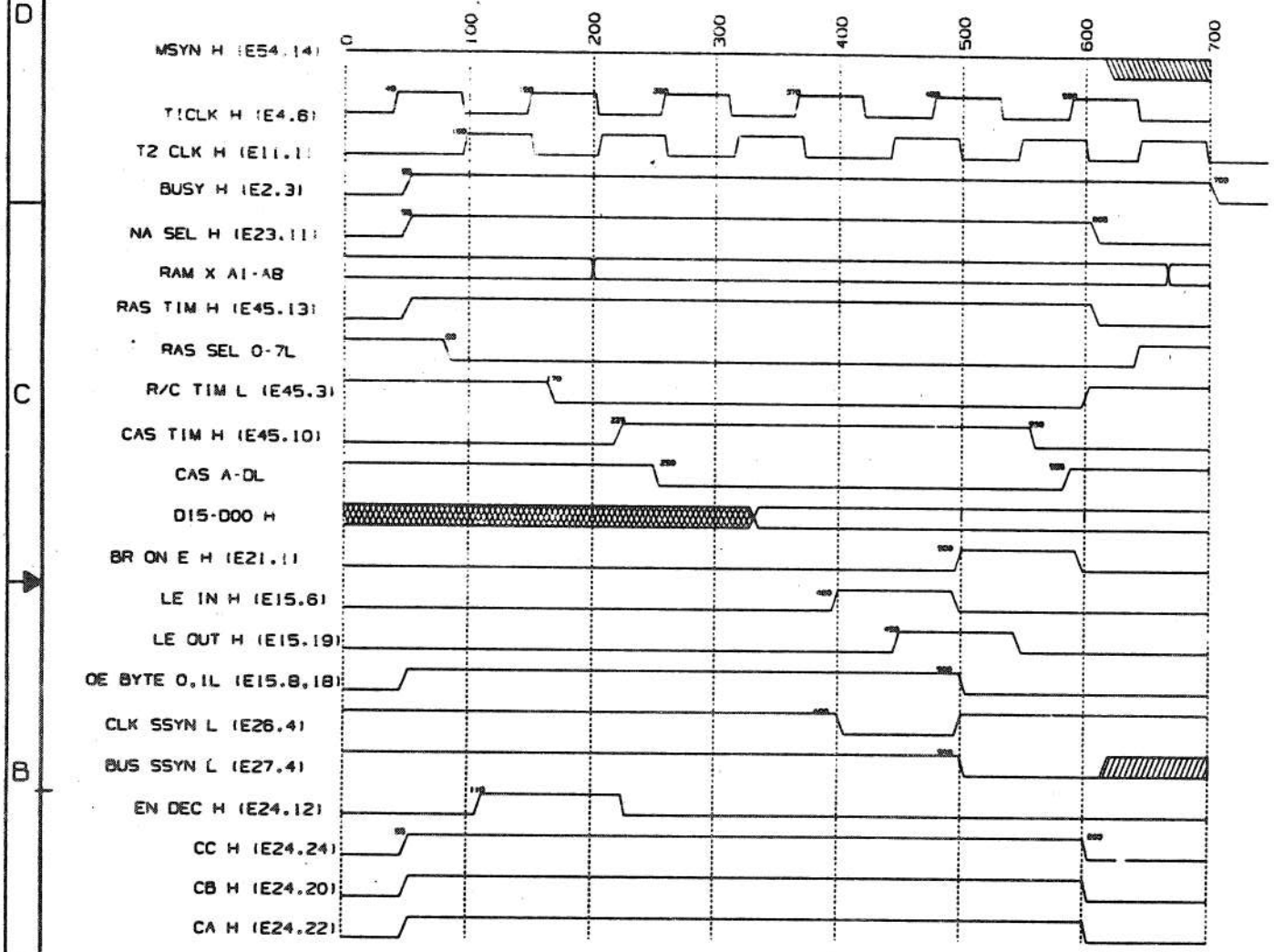






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MS11-P-DBU 2



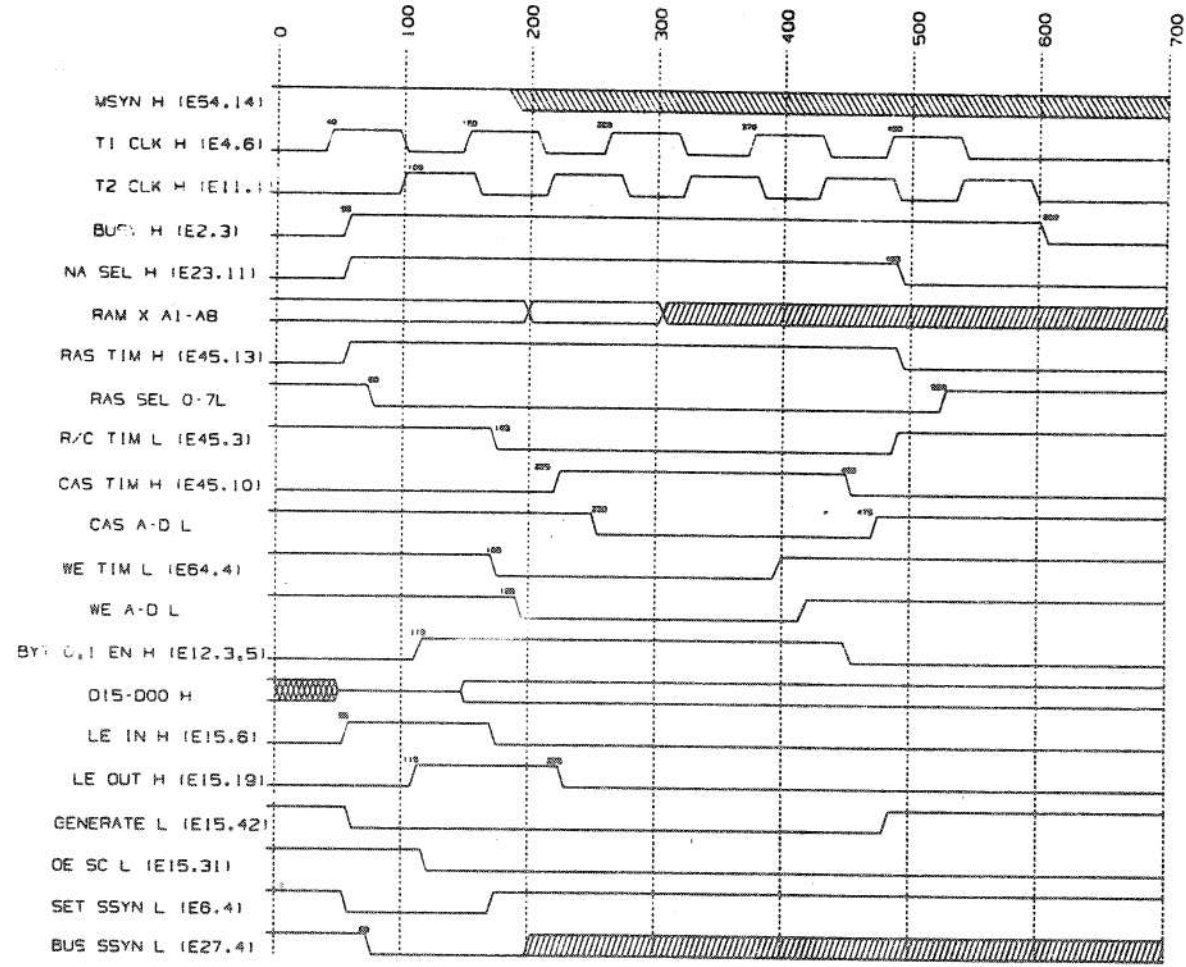
(DATA, TIMING)

REV. NO.	REV.
1	A
ORIGINATED	A

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INDICES TOLERANCES	ANGLES 10°-30°	APPLICABLE DIMENSION RANGE	
		APPLICABLE DIMENSION RANGE	DIMENSION RANGE IN INCHES
.01 ± .01	SURFACE QUALITY	0.001	0.001
.02 ± .02		0.002	0.002
.03 ± .03		0.003	0.003
		0.004	0.004
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		0.006	0.006
		0.007	0.007
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MS11-P-DBU 2



(DATA TIMING)

REVISIONS		
CHG	CHANGE NO	REV

TITLE	MEMORY SYSTEM	SIZE CODE	D	NUMBER	MS11-P-DBU	REV	A
SCALE	NONE	SHEET	2	OF	6	DIST	

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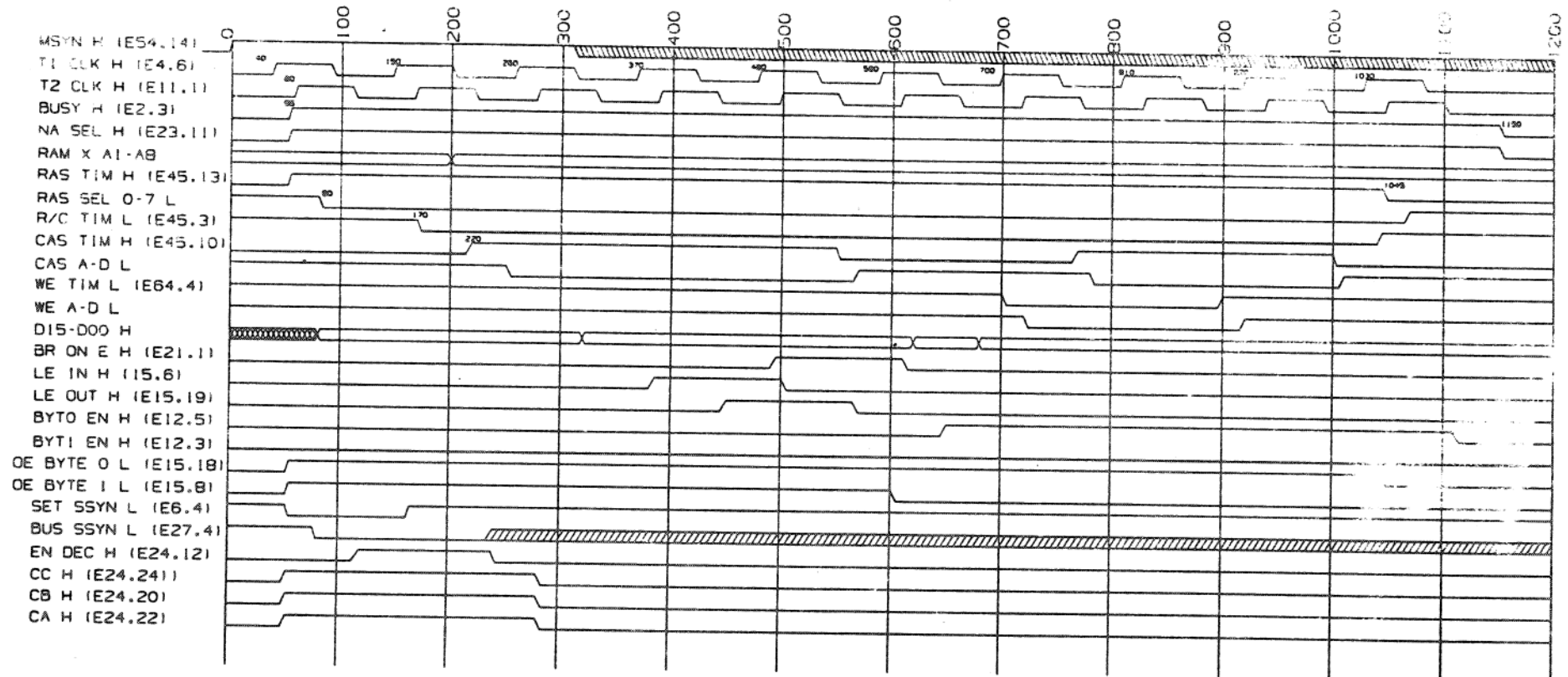
MS11-P-DBU 2

D TO MS11-P-DBU

C

B

A



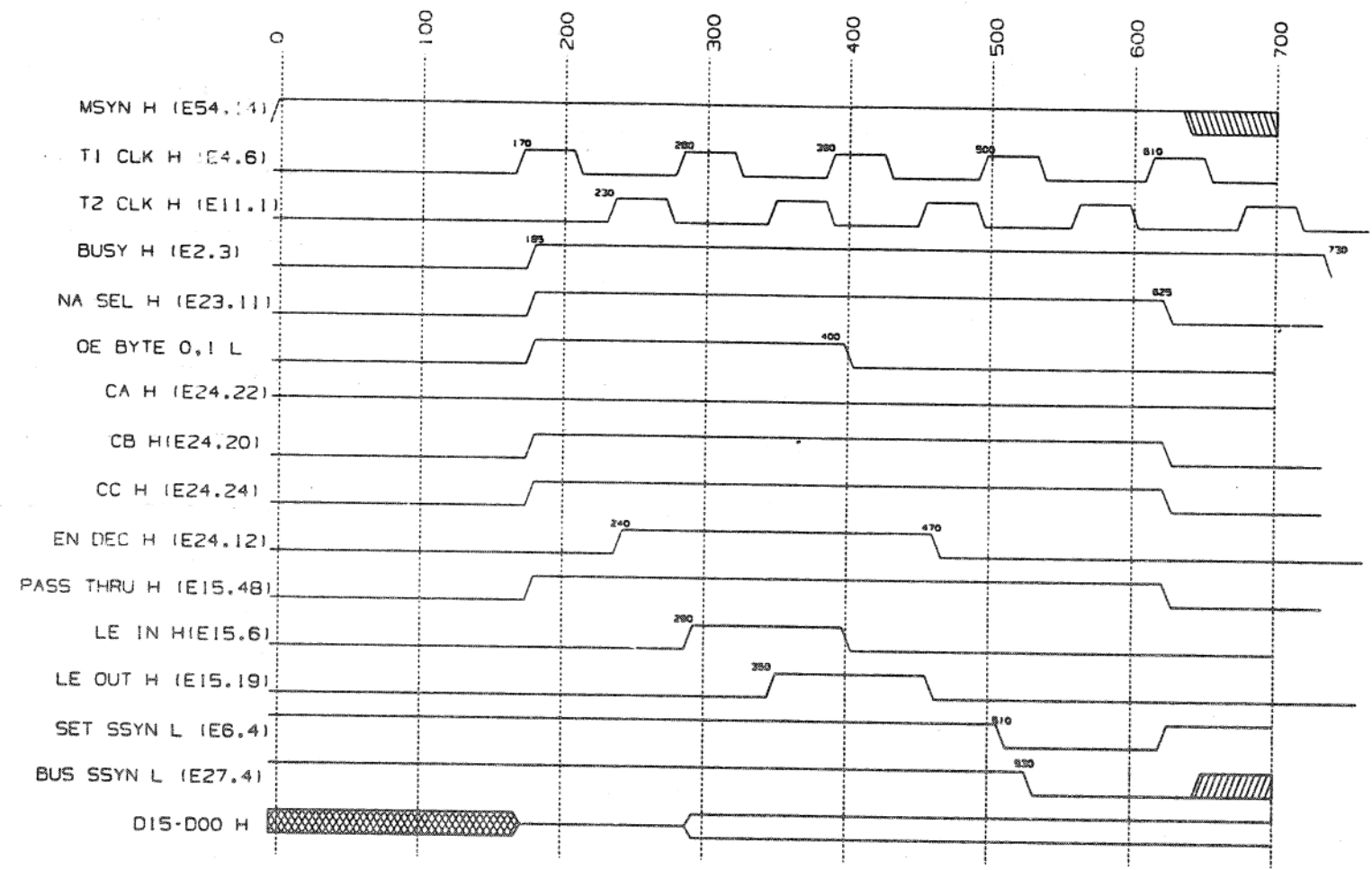
REVISIONS		
CHK	CHANGE NO	REV

IDATOB TIMING

TITLE MEMORY SYSTEM  
 TIMING  
 SCALE NCNE SHEET 3 OF 6  
 SIZE CODE D TO NUMBER MS11-P-DBU REV A

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MS11-P-DBU 2



(DAT1, CSR)

REVISIONS		
CHK	CHANGE NO	REV

TITLE MEMORY SYSTEM TIMING  
 SCALE NONE SHEET 4 OF 6 DIST

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D  
V  
n60-d-1158 01.0

C

B

A

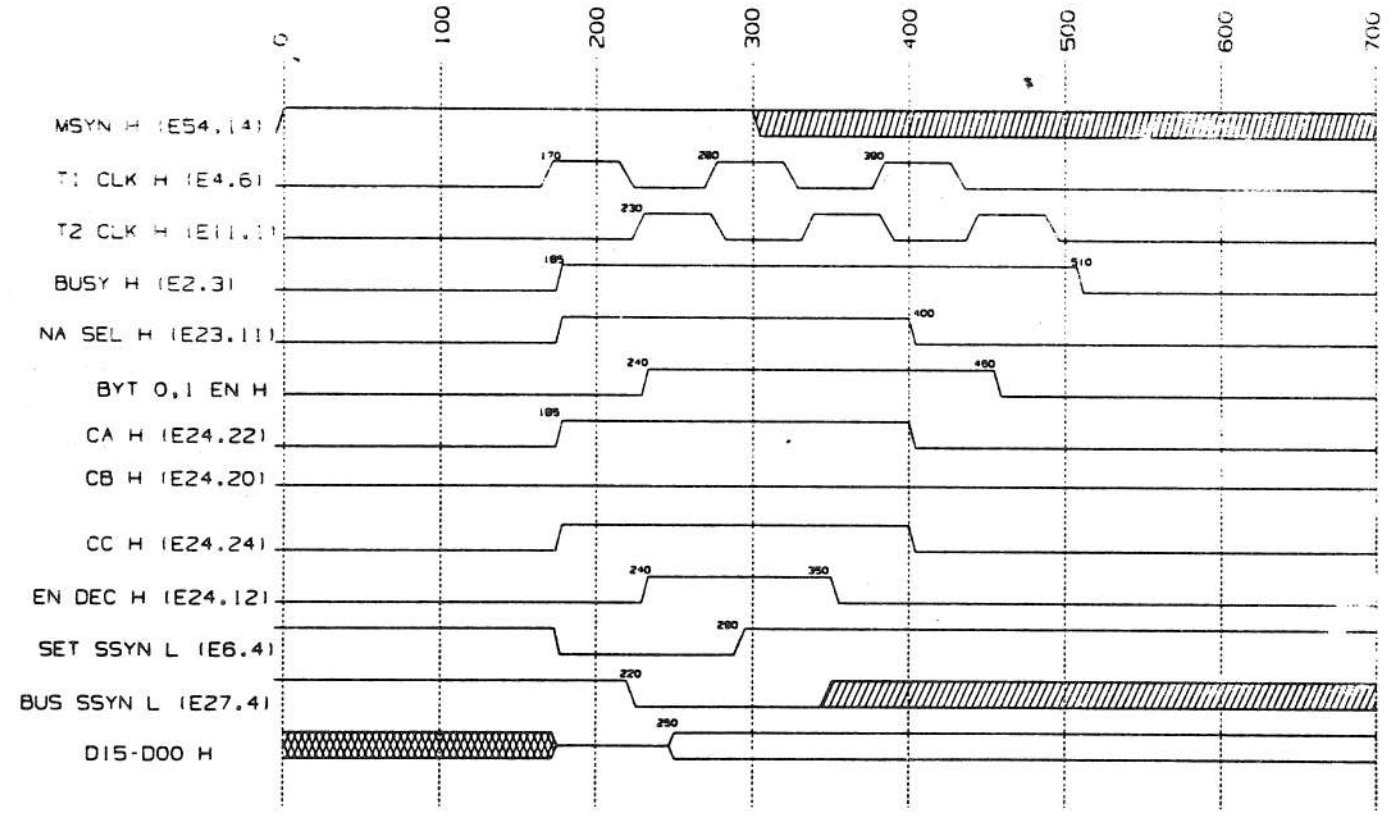
D

C

A

D  
TD  
MS11-P-DBU  
B

A



(DATO, CSR)

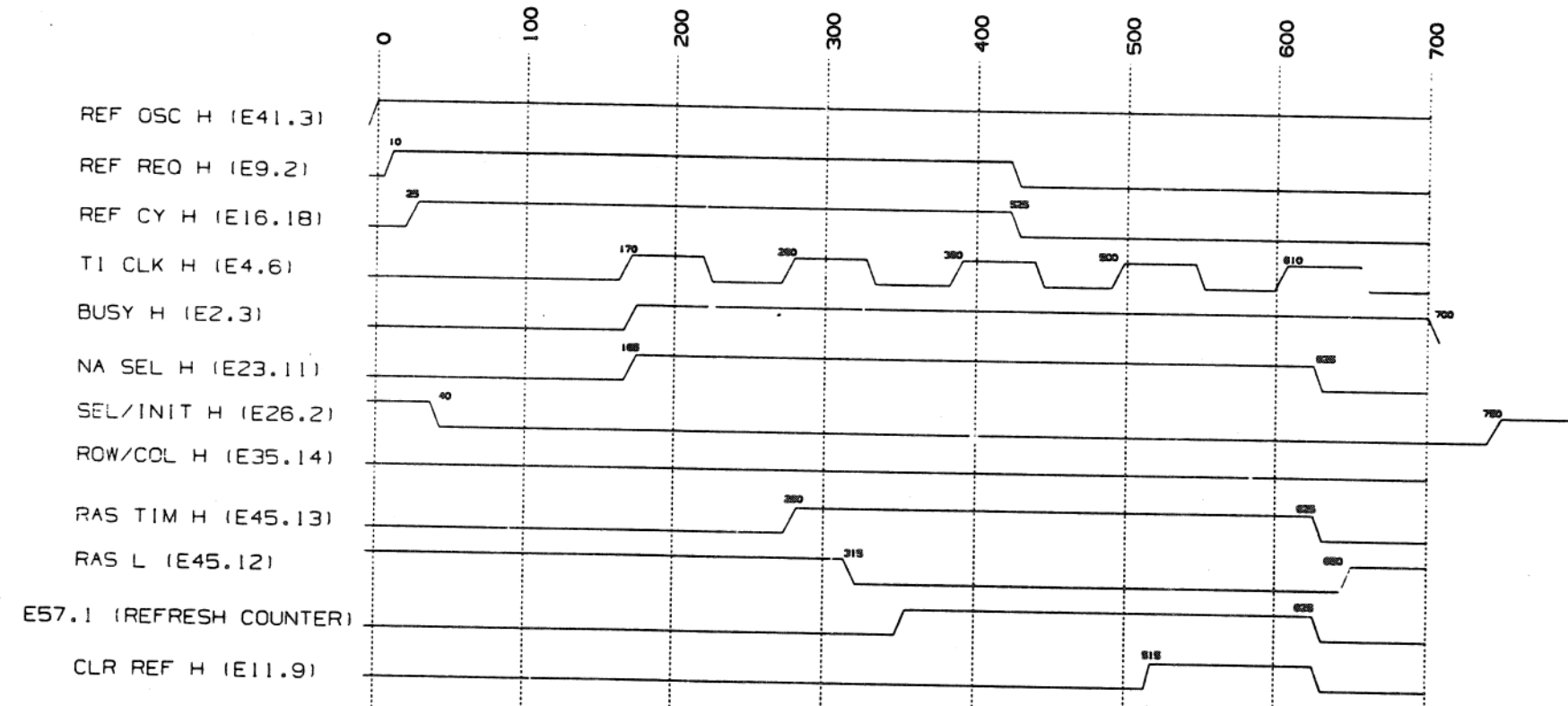
REVISIONS		
CHK	CHANGE NO	REV

TITLE	MEMCRY SYSTEM	SIZE CODE	D	NUMBER	MS11-P-DBU	REV	A
SCALE	NONE	SHEET	5	OF	6	DIST	



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980-d-115M 01 2



(REFRESH TIMING)

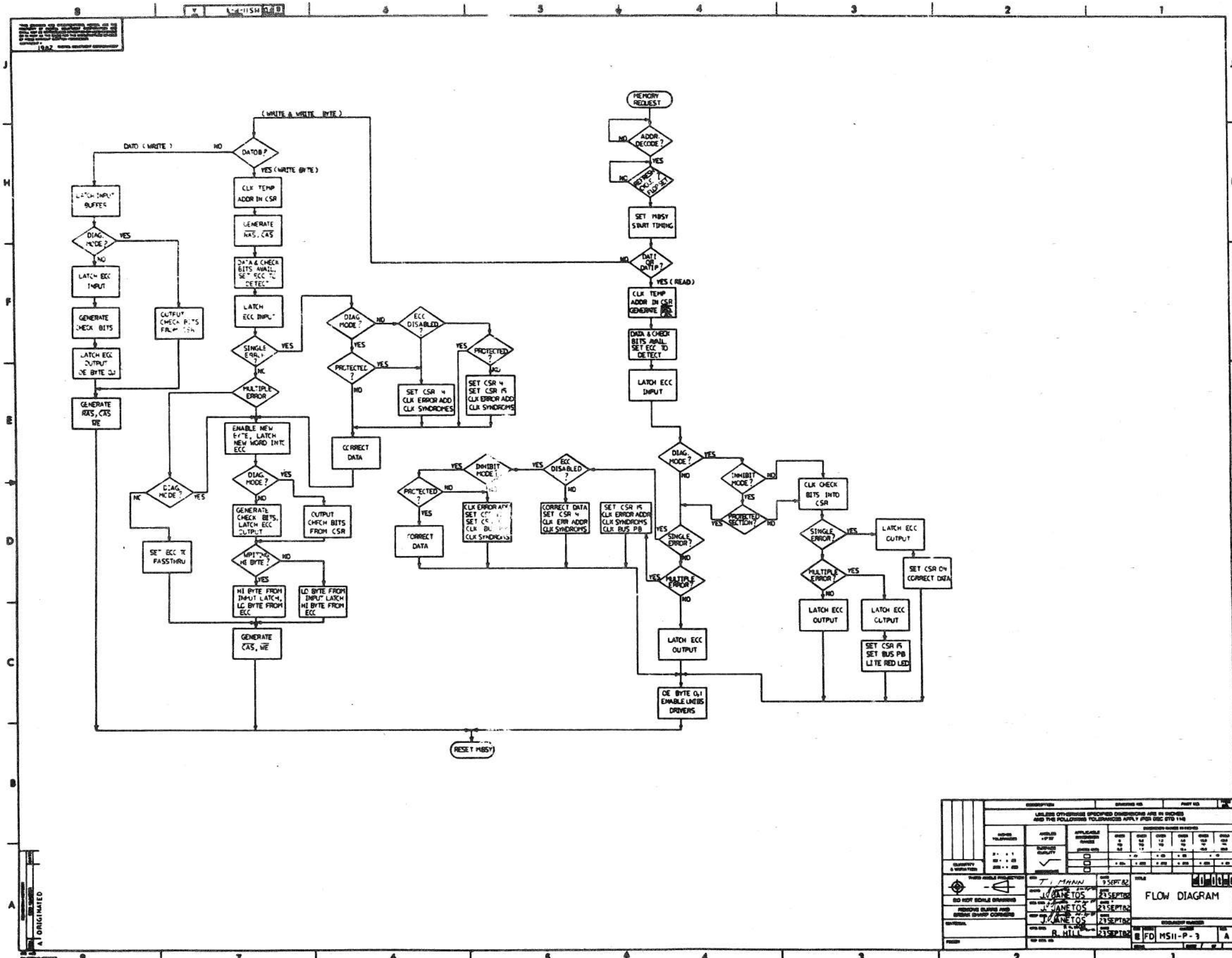
REVISIONS		
CHK	CHANGE NO	REV

TITLE MEMORY SYSTEM  
 TIM 1.3  
 SCALE NONE SHEET 6 OF 6  
 IS: 200000  
 NUMBER D TD MS11-P-DBU  
 REV A

D TD MS11-P-DBU A

A

3c



DESCRIPTION		QUANTITY	UNIT	APPLICABLE DIMENSIONS	APPLICABLE TOLERANCES
1	...	...	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...

DESIGNED BY	T. HANNA	DATE	9 SEPT 62
DESIGNED BY	J. ANETOS	DATE	21 SEPT 62
DESIGNED BY	J. ANETOS	DATE	21 SEPT 62
DESIGNED BY	J. ANETOS	DATE	21 SEPT 62
DESIGNED BY	B. HILL	DATE	21 SEPT 62

FLOW DIAGRAM

FD MS11-P-3