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FIELD MAINTENANCE PRINT SET

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K-TC-DMR11-0-1	FIELD MAINTENANCE PRINT SET	DMR11-M	DMR11
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D-IA-BC08S-0-0	I/O CABLE ASSY		
K-PL-BC08S-0-DBP	I/O CABLE ASSY		
B-DD-M8207-0	MICROCONTROLLER, DMP11		
D-UA-M8207-0-0	MICROCONTROLLER, DMP11		
K-PL-M8207-0-0	MICROCONTROLLER, DMP11		DIGITAL EQUIPMENT CORPORATION
D-CS-M8207-0-1	MICROCONTROLLER, DMP11		PRINT SET ORDER NO.
B-DD-M8203-0	MULTI DROP LINE UNIT		MP00911
D-UA-M8203-0-0	MULTI DROP LINE UNIT		
K-PL-M8203-0-0	MULTI DROP LINE UNIT		
D-CS-M8203-0-1	MULTI DROP LINE UNIT		
B-DD-H3254-0	M8203 TEST CONN J1		
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D-UA-H3255-0-0	M8203 TEST CONN J2		
K-PL-H3255-0-0	M8203 TEST CONN J2		

REVISION HISTORY			CONT. REVISION HISTORY			MADE BY: R. ROBICHAUD					
REV	ECO NUMBER	DATE	REV	ECO NUMBER	DATE	DATE: 23 AUG 83	d i s s i t a i l				
C	DMR11-MK003	23 AUG 83				CHECKED BY: J. FALKOWSKI					
						DATE: 23 AUG 83 <i>J. Falkowski</i>	TITLE: FIELD MAINTENANCE PRINT SET				
						24 OCT 83 <i>P. Bergeron</i>					
						PROJECT ENGR: R. BERGERON					
						DATE: 23 AUG 83 <i>27 OCT 83</i>	DMR11				
						RSPBLE ENGR: M. LAWRENCE					
						DATE: 23 AUG 83 <i>B. Lawrence</i>					
						27 OCT 83					
						FIELD SERVICE: S. CRANSTON	SIZE CODE DOCUMENT NUMBER REV.				
						DATE: 23 AUG 83 <i>S. Cranston</i>	K TC DMR11-0-1 C				
						10-27-83	SHEET 1 OF 1				

DRAWING DIRECTORY

1 COPYRIGHT (C) 1983 DIGITAL EQUIPMENT CORPORATION"

UNIT VARIATIONS

VARIATION	TITLE
DMR11-M	DMR11 BASE OPTION, M8207-RA UPROC, M8203 LINECARD
DMR11-AP	SYSTEM INTEGRATED DMR11/RS232 FULL MODEM
DMR11-BP	SYSTEM INTEGRATED DMR11/V.35 OPTION
DMR11-CP	SYSTEM INTEGRATED DMR11/INTEGRAL MODEM
DMR11-EP	SYSTEM INTEGRATED DMR11/RS422 OPTION
DMR11-FP	SYSTEM INTEGRATED DMR11/RS423 OPTION

REVISION HISTORY			USED ON OPTION/MODEL	RESPONSIBLE ENG.				
ENG	ECO NUMBER	REV		DATE : 23 AUG 83	: M. LAWRENCE <i>R. Bergeron</i> 27-OCT-83	d i s s i t a l		
ML	DMR11-MK003	B	DMR11	MADE BY DATE : 23 AUG 83	: R. ROBICHAUD	TITLE DRAWING DIRECTORY		
				CHECKED BY DATE : 23 AUG 83 26 SEP 83	: J. FALKOWSKI <i>J. Falkowski</i>	DMR11		
				DESIGN ENGINEER DATE : 23 AUG 83	: R. BERGERON <i>R. Bergeron</i> 27-OCT-83			
				PRODUCTION ENG. DATE : 23 AUG 83 27 OCT 83	: W. LADNER <i>W. Ladner</i>	SIZE	CODE	DOCUMENT NUMBER
						K	DD	DMR11-0
						SHEET 1 OF 2		REV. B
								EDIT # 0001

MK

TYPE

EX

AUTOMATED BY PRTLST,3L(40)

P A R T S L I S T

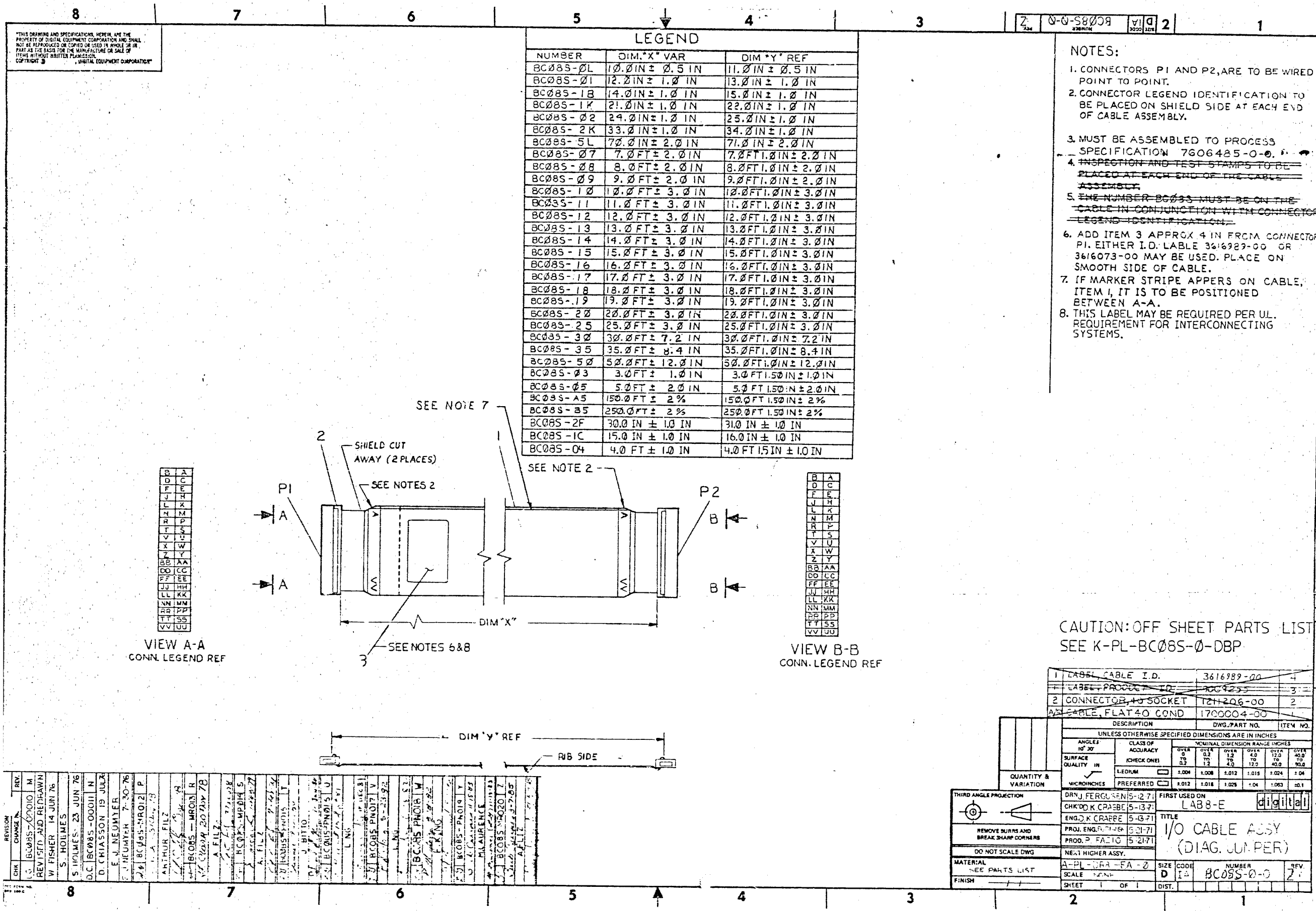
SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION					
						M	AP	BP	CP	EP	FP
						VARIATION REVISION LEVEL:					
						A2	A2	A2	A2	A2	A2
1	1	D-UA-M8207-0-0	M8207-RA		MICROPROCESSOR BASED SYNCHRONOUS	1	1	1	1	1	1
2	2	D-UA-M8203-0-0	M8203-00		DMP11 LINE UNIT,RS-449,INTEGRAL	1	1	1	1	1	1
3	3	D-IA-BC08S-0-0	BC08S-01		12" SHIELDED I/O CABLE,H856 EA E	1	1	1	1	1	1
4	4	D-UA-H3254-0-0	H3254-00		M8203 TEST CONNECTOR J1	1	1	1	1	1	1
5	5	D-UA-H3255-0-0	H3255-00		M8203 TEST CONNECTOR J2	1	1	1	1	1	1
6	6	K-PL-CKDMR11-0-0	CKDMR11-00		CABKIT REF TO K-AR-CKCKREF-0-0	-	1	1	1	1	1
7	7	K-PL-7020872-0-0	7020872-01		SHIPPING LIST (DMR11)	1	1	1	1	1	1

8 NOTE: NOTE 1: CKDMR11-00 IS A REFERENCE VARIANT ONLY. SEE K-AR-CKCKREF-0-0 FOR EXACT VARIANT APPLICATION.

REVISION HISTORY		BASIC PART NO: DMR11		DRN:	D. ZWICKER	DATE:	08-FEB-80	D I G I T A L			
ENG:	ECO NUMBER	REV	SECTION A OF A	CHK'D:	G. HOVEY	DATE:	08-FEB-80	TITLE PARTS LIST			
---	INITIAL	*	SECTION VARIATION INDEX			DATE:	08-FEB-80	DMR11 OPTION			
IRH	DMR11-MK001	A	[A]M,AP,BP,CP,EP,FP								
IML	DMR11-MK003	B									
IML	DMR11-MK004	C	[B]	DES.ENG:	H. YANG	DATE:	08-FEB-80	DOCUMENT NUMBER			
			[C]					SIZE	CODE	NUMBER	REV
			[D]	RESP.ENG.:	P. HARRINGTON	DATE:	08-FEB-80	K	PL	DMR11-0-0	C
			[E]	MFG.ENG.:	G. ARMBRUSTER	DATE:	08-FEB-80	RELEASE DATE: 12-AUG-85			
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
						#K-DD-DMR11-0		MK0021.PLS		11	

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LEGEND		
NUMBER	DIM. * X * VAR	DIM. * Y * REF
BC08S-0L	10.0 IN ± 0.5 IN	11.0 IN ± 0.5 IN
BC08S-01	12.0 IN ± 1.0 IN	13.0 IN ± 1.0 IN
BC08S-1B	14.0 IN ± 1.0 IN	15.0 IN ± 1.0 IN
BC08S-1K	21.0 IN ± 1.0 IN	22.0 IN ± 1.0 IN
BC08S-02	24.0 IN ± 1.0 IN	25.0 IN ± 1.0 IN
BC08S-2K	33.0 IN ± 1.0 IN	34.0 IN ± 1.0 IN
BC08S-5L	70.0 IN ± 2.0 IN	71.0 IN ± 2.0 IN
BC08S-07	7.0 FT ± 2.0 IN	7.0 FT 1.0 IN ± 2.0 IN
BC08S-08	8.0 FT ± 2.0 IN	8.0 FT 1.0 IN ± 2.0 IN
BC08S-09	9.0 FT ± 2.0 IN	9.0 FT 1.0 IN ± 2.0 IN
BC08S-10	10.0 FT ± 3.0 IN	10.0 FT 1.0 IN ± 3.0 IN
BC08S-11	11.0 FT ± 3.0 IN	11.0 FT 1.0 IN ± 3.0 IN
BC08S-12	12.0 FT ± 3.0 IN	12.0 FT 1.0 IN ± 3.0 IN
BC08S-13	13.0 FT ± 3.0 IN	13.0 FT 1.0 IN ± 3.0 IN
BC08S-14	14.0 FT ± 3.0 IN	14.0 FT 1.0 IN ± 3.0 IN
BC08S-15	15.0 FT ± 3.0 IN	15.0 FT 1.0 IN ± 3.0 IN
BC08S-16	16.0 FT ± 3.0 IN	16.0 FT 1.0 IN ± 3.0 IN
BC08S-17	17.0 FT ± 3.0 IN	17.0 FT 1.0 IN ± 3.0 IN
BC08S-18	18.0 FT ± 3.0 IN	18.0 FT 1.0 IN ± 3.0 IN
BC08S-19	19.0 FT ± 3.0 IN	19.0 FT 1.0 IN ± 3.0 IN
BC08S-20	20.0 FT ± 3.0 IN	20.0 FT 1.0 IN ± 3.0 IN
BC08S-25	25.0 FT ± 3.0 IN	25.0 FT 1.0 IN ± 3.0 IN
BC08S-30	30.0 FT ± 7.2 IN	30.0 FT 1.0 IN ± 7.2 IN
BC08S-35	35.0 FT ± 8.4 IN	35.0 FT 1.0 IN ± 8.4 IN
BC08S-50	50.0 FT ± 12.0 IN	50.0 FT 1.0 IN ± 12.0 IN
BC08S-03	3.0 FT ± 1.0 IN	3.0 FT 1.50 IN ± 1.0 IN
BC08S-05	5.0 FT ± 2.0 IN	5.0 FT 1.50 IN ± 2.0 IN
BC08S-A5	150.0 FT ± 2%	150.0 FT 1.50 IN ± 2%
BC08S-B5	250.0 FT ± 2%	250.0 FT 1.50 IN ± 2%
BC08S-2F	30.0 IN ± 1.0 IN	31.0 IN ± 1.0 IN
BC08S-1C	15.0 IN ± 1.0 IN	16.0 IN ± 1.0 IN
BC08S-04	4.0 FT ± 1.0 IN	4.0 FT 1.5 IN ± 1.0 IN

- NOTES:
- CONNECTORS P1 AND P2, ARE TO BE WIRED POINT TO POINT.
 - CONNECTOR LEGEND IDENTIFICATION TO BE PLACED ON SHIELD SIDE AT EACH END OF CABLE ASSEMBLY.
 - MUST BE ASSEMBLED TO PROCESS SPECIFICATION 7606485-0-0.
 - INSPECTION AND TEST STAMPS TO BE PLACED AT EACH END OF THE CABLE ASSEMBLY.
 - THE NUMBER BC08S MUST BE ON THE CABLE IN CONJUNCTION WITH CONNECTOR LEGEND IDENTIFICATION.
 - ADD ITEM 3 APPROX 4 IN FROM CONNECTOR P1. EITHER I.D. LABEL 3616929-00 OR 3616073-00 MAY BE USED. PLACE ON SMOOTH SIDE OF CABLE.
 - IF MARKER STRIPE APPEARS ON CABLE, ITEM 1, IT IS TO BE POSITIONED BETWEEN A-A.
 - THIS LABEL MAY BE REQUIRED PER UL REQUIREMENT FOR INTERCONNECTING SYSTEMS.

CAUTION: OFF SHEET PARTS LIST SEE K-PL-BC08S-0-DBP

REV	CHG	DATE	BY	APP	DESCRIPTION
1		23 JUN 76	S. HOLMES		REVISED AND REDRAWN
2		14 JUN 76	W. FISHER		REVISED AND REDRAWN
3		19 JUL 76	D. CHASSON		REVISED AND REDRAWN
4		7-30-76	E. J. NEUMIER		REVISED AND REDRAWN
5		BC08S-MR012 P			REVISED AND REDRAWN
6		BC08S-MR012 P			REVISED AND REDRAWN
7		BC08S-MR012 P			REVISED AND REDRAWN
8		BC08S-MR012 P			REVISED AND REDRAWN
9		BC08S-MR012 P			REVISED AND REDRAWN
10		BC08S-MR012 P			REVISED AND REDRAWN
11		BC08S-MR012 P			REVISED AND REDRAWN
12		BC08S-MR012 P			REVISED AND REDRAWN
13		BC08S-MR012 P			REVISED AND REDRAWN
14		BC08S-MR012 P			REVISED AND REDRAWN
15		BC08S-MR012 P			REVISED AND REDRAWN
16		BC08S-MR012 P			REVISED AND REDRAWN
17		BC08S-MR012 P			REVISED AND REDRAWN
18		BC08S-MR012 P			REVISED AND REDRAWN
19		BC08S-MR012 P			REVISED AND REDRAWN
20		BC08S-MR012 P			REVISED AND REDRAWN
21		BC08S-MR012 P			REVISED AND REDRAWN
22		BC08S-MR012 P			REVISED AND REDRAWN
23		BC08S-MR012 P			REVISED AND REDRAWN
24		BC08S-MR012 P			REVISED AND REDRAWN
25		BC08S-MR012 P			REVISED AND REDRAWN
26		BC08S-MR012 P			REVISED AND REDRAWN
27		BC08S-MR012 P			REVISED AND REDRAWN
28		BC08S-MR012 P			REVISED AND REDRAWN
29		BC08S-MR012 P			REVISED AND REDRAWN
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89		BC08S-MR012 P			REVISED AND REDRAWN
90		BC08S-MR012 P			REVISED AND REDRAWN
91		BC08S-MR012 P			REVISED AND REDRAWN
92		BC08S-MR012 P			REVISED AND REDRAWN
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96		BC08S-MR012 P			REVISED AND REDRAWN
97		BC08S-MR012 P			REVISED AND REDRAWN
98		BC08S-MR012 P			REVISED AND REDRAWN
99		BC08S-MR012 P			REVISED AND REDRAWN
100		BC08S-MR012 P			REVISED AND REDRAWN

1	LABEL CABLE I.D.	3616989-00	4
2	LABEL PROTECT I.D.	3616989-00	3
3	CONNECTOR, 40 SOCKET	12N206-00	2
4	CABLE, FLAT 40 COND	1700004-00	1

DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 90° 30°		
SURFACE QUALITY		
QUANTITY & VARIATION		
THIRD ANGLE PROJECTION		
REMOVE BURRS AND BREAK SHARP CORNERS		
DO NOT SCALE DWG		
MATERIAL SEE PARTS LIST		
FINISH		

DRY J. FERGUSON 5-12-71	FIRST USED ON	LAB8-E
CHK'D K. CRABBE 5-13-71		
ENG'D K. CRABBE 5-13-71		
PROJ. ENG. R. F. 5-21-71		
PROD. P. F. 5-21-71		
NEAT HIGHER ASSY.		
A-PL-DBP-FA-0	SIZE CODE	D 1A
SCALE NONE	NUMBER	BC08S-0-0
SHEET 1 OF 1	DIST.	
		REV 2

AUTOMATED BY PRTLST.5R(55)

PARTS LIST

SHEET A1 OF 41

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION											
						0L	01	1B	1K	02	2K	5L	07	08	09	10	11
1	1	NOTES 3 & 4	1700004-00		CABLE,RIBBON BOND 40COND 30AWG	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1
2	2		1211206-00		CONN,IDC 40SKT(2X20).100CC GOL	11	13	15	22	25	34	71	7	8	9	10	11
3	3	NOTES 1 & 2	3616989-00		LABEL,CABLE LARGE	2	2	2	2	2	2	2	2	2	2	2	2
						1	1	1	1	1	1	1	1	1	1	1	2

- 4 NOTE: 1. EITHER I.D. CABLE 3616989-00 OR 3616073-00 MAY BE USED.
5 NOTE: 2. PLACE ON SMOOTH SIDE OF CABLE.
6 NOTE: 3. QUANTITY OF ITEM 1, VARIATIONS -0L, -01, -1B, -1K, -02, -2K, -5L, -2F, AND -1C ARE
7 NOTE: SHOWN IN INCHES.
8 NOTE: 4. QUANTITY OF ITEM 1, ALL OTHER VARIATIONS ARE SHOWN IN FEET, NOTE THAT THE
9 NOTE: QTY OF THESE VARIATIONS DO NOT INCLUDE ALLOWANCE FOR CONNECTORS.

REVISION HISTORY		BASIC PART NO: BC08S		DRN: F. LASPISA		DATE: 15-NOV-83		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF C	CHK'D:	L. GILBERT	DATE:	15-NOV-83	TITLE PARTS LIST	
	INITIAL	W	SECTION VARIATION INDEX					I/O CABLE ASSY	
ML	BC08S-PN019	Y	[A]0L,01,1B,1K,02,2K,					(DIAG. JUMPER)	
AF	BC08S-MR020	Z	5L,07,08,09,10,11					DOCUMENT NUMBER	
			[B]12,13,14,15,16,17,	DES.ENG:	E. KING	DATE:	15-NOV-83	SIZE CODE NUMBER REV	
			18,19,20,25,30,35					K PL BC08S-0-DRP 7	
			[C]50,03,05,05,BS,2F,	RESP.ENG.:	E. KING	DATE:	15-NOV-83	RELEASE DATE: 15-JUL-85	
			1C,04						
			[D]	MFG.ENG.:	J. DEBLASIO	DATE:	15-NOV-83	FILE NAME: BC08SZ.PLS	
			[E]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		CREDIT #	
			[F]	D-IA-BC08S-0-0		A-FL-DR8-EA-0		7	
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AUTOMATED BY PRTLST.5R(55)

PARTS LIST

LINE	ITEM	TOP DOCUMENT	MIN	PART NUMBER	REV	DESCRIPTION	QTY PER VARIATION													SHEET B1 OF B1	
							VARIATION REVISION LEVEL:														
1	1	NOTES 3 & 4		1700004-00		CABLE,RIBBON BOND 40COND 30AWG	12	13	14	15	16	17	18	19	20	25	30	35			
2	2			1211206-00		CONN,IDC 40SKT(2X20).100CC GOL	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1			
3	3	NOTES 1 & 2		3616989-00		LABEL,CABLE LARGE	12	13	14	15	16	17	18	19	20	25	30	35			
							2	2	2	2	2	2	2	2	2	2	2	2			
							2	2	2	2	2	2	2	2	2	2	2	2			

- 4 NOTE: 1. EITHER I.D. CABLE 3616989-00 OR 3616073-00 MAY BE USED.
5 NOTE: 2. PLACE ON SMOOTH SIDE OF CABLE.
6 NOTE: 3. QUANTITY OF ITEM 1, VARIATIONS -0L, -01, -1B, -1K, -02, -2K, -5L, -2F, AND -1C ARE
7 NOTE: SHOWN IN INCHES.
8 NOTE: 4. QUANTITY OF ITEM 1, ALL OTHER VARIATIONS ARE SHOWN IN FEET. NOTE THAT THE
9 NOTE: QTY OF THESE VARIATIONS DO NOT INCLUDE ALLOWANCE FOR CONNECTORS.

REVISION HISTORY			BASIC PART NO: BC08S		DRN: F. LASPISA		DATE: 15-NOV-83		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION B OF C		CHK'D: L. GILBERT		DATE: 15-NOV-83		TITLE PARTS LIST	
ML	BC08S-P0019	W	SECTION VARIATION INDEX		DES.ENG: E. KING		DATE: 15-NOV-83		DOCUMENT NUMBER	
AF	BC08S-MR020	Y	TA10L,01,1B,1K,02,2K,		RESP.ENG.: E. KING		DATE: 15-NOV-83		SIZE CODE NUMBER	
		Z	5L,07,08,09,10,11		MFG.ENG.: J. DEBLASIO		DATE: 15-NOV-83		RELEASE DATE: 15-JUL-85	
			EB112,13,14,15,16,17,		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
			18,19,20,25,30,35		D-1A-BC08S-0-0		A-PL-DR8-EA-0		BC08SZ.FLS	
			ED150,03,05,05,05,2F,							
			1C,04							
			ED1							
			ED1							
			ED1							
			ED1							

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AUTOMATED BY PRTLST.5R(55)

PARTS LIST

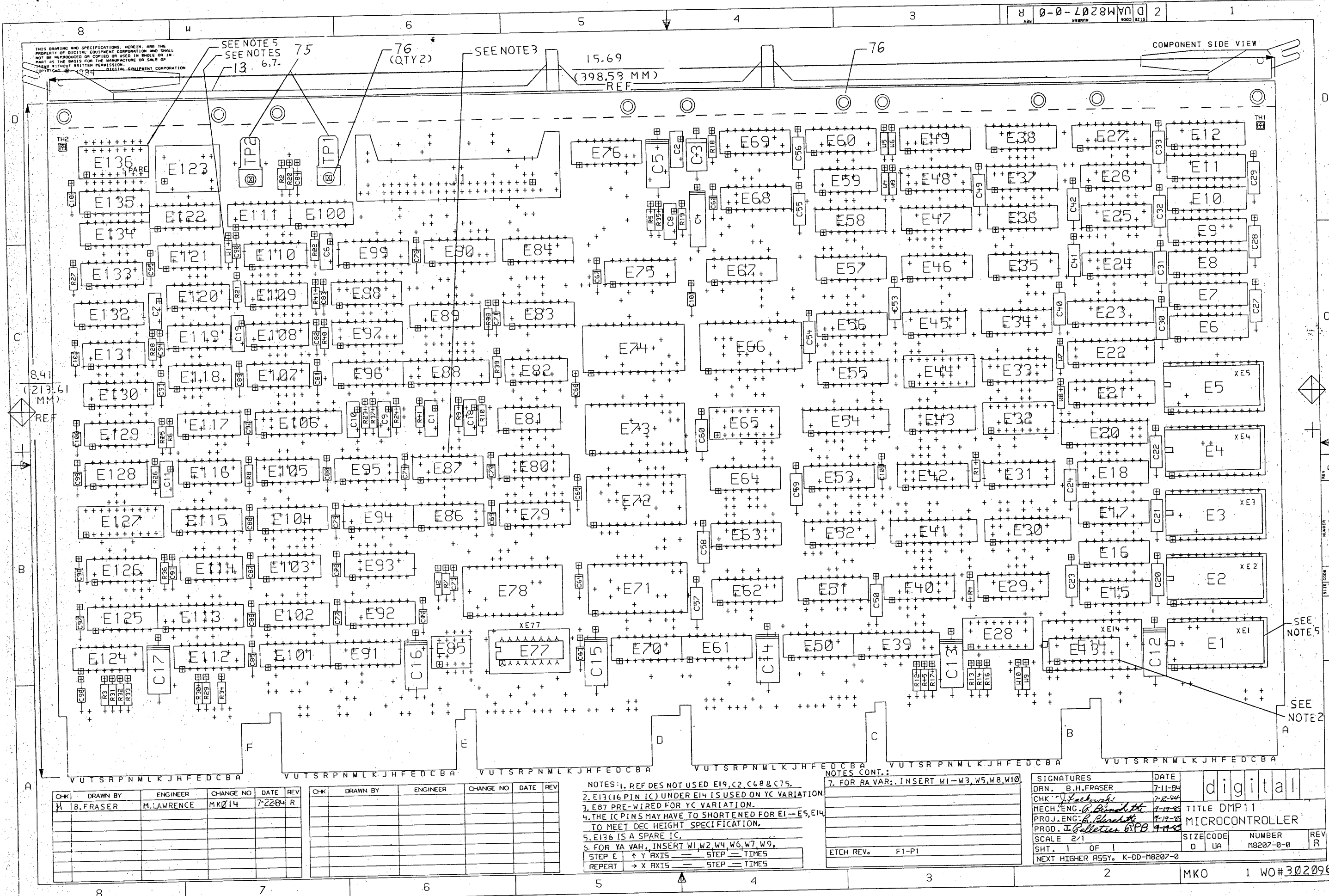
SHEET C1 OF C1

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV DESCRIPTION	QTY PER VARIATION	50	03	05	A5	B5	2F	1C	04
			VARIATION REVISION LEVEL:	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	A1
1	1	NOTES 3 & 4	1700004-00	CABLE,RIBBON BOND 40COND 30AWG	50	3	5	150	250	31	16	4
2	2		1211206-00	CONN,IBC 40SKT(2X20).100CC GOL	2	2	2	2	2	2	2	2
3	3	NOTES 1 & 2	3616989-00	LABEL,CABLE LARGE	2	1	1	2	2	1	1	1

- 4 NOTE: 1. EITHER I.D. CABLE 3616989-00 OR 3616073-00 MAY BE USED.
5 NOTE: 2. PLACE ON SMOOTH SIDE OF CABLE.
6 NOTE: 3. QUANTITY OF ITEM 1, VARIATIONS -0L, -0I, -1B, -1K, -02, -2K, -5L, -2F, AND -1C ARE
7 NOTE: SHOWN IN INCHES.
8 NOTE: 4. QUANTITY OF ITEM 1, ALL OTHER VARIATIONS ARE SHOWN IN FEET. NOTE THAT THE
9 NOTE: QTY OF THESE VARIATIONS DO NOT INCLUDE ALLOWANCE FOR CONNECTORS.

REVISION HISTORY			BASIC PART NO: BC08S		DRN: F. IASPIA		DATE: 15-NOV-83		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION C OF C	CHK'D:	L. GILBERT	DATE:	15-NOV-83	TITLE	PARTS LIST			
INITIAL	BC08S-PN019	Y	SECTION VARIATION INDEX	DES.ENG:	E. KING	DATE:	15-NOV-83	I/O CABLE ASSY	(DIAG. JUMPER)			
AF	BC08S-MR020	Z	EA10L,01,1R,1K,02,2K, 5L,07,08,09,10,11, 12,13,14,15,16,17, 18,19,20,25,30,35, 00,50,03,05,A5,B5,2F, 1C,04	RESP.ENG.:	E. KING	DATE:	15-NOV-83	DOCUMENT NUMBER	SIZE CODE NUMBER REV			
			[D]	MFG.ENG.:	J. DEBLASIO	DATE:	15-NOV-83	K PL BC08S-0-DBP	Z			
			[E]	ASSEMBLY NUMBER:	10-1A-BC08S-0-0	TOP DOCUMENT NUMBER:	1A-PL-DR8-EA-0	FILE NAME:	BC08SZ.PLS			
			[F]					RELEASE DATE:	15-JUL-85			
									EDIT # 7			

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CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV
H	B. FRASER	M. LAWRENCE	MK014	7-22-84	R

CHK	DRAWN BY	ENGINEER	CHANGE NO	DATE	REV

NOTES: 1. REF DES NOT USED E19, C2, C68 & C75.
2. E13 (16 PIN IC) UNDER E14 IS USED ON YC VARIATION.
3. E87 PRE-WIRED FOR YC VARIATION.
4. THE IC PINS MAY HAVE TO SHORTENED FOR E1-E5, E14 TO MEET DEC HEIGHT SPECIFICATION.
5. E136 IS A SPARE IC.
6. FOR YA VAR., INSERT W1, W2, W4, W6, W7, W9.
STEP E → Y AXIS → STEP → TIMES
REPEAT → X AXIS → STEP → TIMES

EDCBA VUTSRPNMLKJHFE	
NOTES CONT:	
7. FOR RA VAR: . INSERT W1-W3, W5, W8, W10.	
ETCH REV.	F1-P1

SIGNATURES		DATE	digital
DRN.	B.H. FRASER	7-11-84	
CHK.	<i>[Signature]</i>	7-22-84	
MECH. ENG.	<i>[Signature]</i>	7-19-84	
PROJ. ENG.	<i>[Signature]</i>	7-19-84	
PROD.	<i>[Signature]</i>	7-19-84	
SCALE	2/1		
SHT.	1 OF 1		
NEXT HIGHER ASSY. K-DD-M8207-0			
SIZE CODE	NUMBER	REV	
D UA	M8207-0-0	R	

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV			REFERENCE DESIGNATORS	
						00 T5	RA T5	YA T5		
1	1	D-MD-5012845-0-0	50-12845-00	M8207		1	1	1		
2	2		10-00042-00	1000	PFD 100V +/- 5% 200PP	3	3	3	C1,C7,C11	
3	3		10-10031-00	0.15	MFD 50V +/-10% M.POL	1	1	1	C3	
4	4		10-00076-00	39	MFD 10V +/-10% SOL	1	1	1	C4	
5	5	#NOTE 1	10-12084-01	8.0	MFD 25V +75/-10% 85	7	7	7	C5,C12-C17	
6	6		10-00017-00	100	PFD 300V +/- 5% 200PP	3	3	3	C6,C8,C19	
7	7		10-00026-00	680	PFD 100V +/- 5% 200PP	2	2	2	C9,C10	
8	8		10-00011-00	47	PFD 100V +/- 5% 200PP	1	1	1	C18	
9	9		10-02427-00	*** THIS ITEM IS NOT USED ***			-	-	-	
10	10		10-13466-11	0.22	MFD 50V +80/-20% Z5U C	25	25	25	C20-C24,C27-C33,C40-C42,C49, CONT C50,C53-C60	
11	11		10-12784-00	0.047	MFD 50V +80/-20% Z5U C	41	41	41	C62-C67,C69-C74,C76-C104	
12	12		12-09941-02	PCB,HEADER 40PIN(2X20).100CC 90D			1	1	1	J1
13	13		12-12385-04	SKT,IC 24PIN DIP GOLD SOLD			6	6	6	XE1-XE5,XE14
14	14		12-16988-02	HANDLE,MODULE,HEX TWO EJECTORS			1	1	1	
15	15		12-09838-00	SKT,IC 16PIN DIP GOLD			1	1	1	XE77
16	16		13-00229-00	100.0	.25 W 5.0 %	CF	6	6	6	R1,R22,R23,R35,R37,R41
17	17		13-00365-00	1.0	K .25 W 5.0 %	CF	17	17	17	R2-R8,R12-R17,R24,R36,R39,R40
18	18		13-00271-00	220.0	.25 W 5.0 %	CF	1	1	1	R9
19	19		13-01890-00	560.0	.25 W 5.0 %	CF	1	1	1	R10
20	20		13-01322-00	180.0	.25 W 5.0 %	CF	5	5	5	R11,R29,R32-R34
21	21		13-09419-00	19.60	K .25 W 1.0 %	RN55D-F10	1	1	1	R18
22	22		13-02514-00	39.0	K .25 W 5.0 %	CF	1	1	1	R19
23	23		13-01317-00	10.0	.25 W 5.0 %	CF	3	3	3	R20,R21,R38
24	24			*** THIS ITEM IS NOT USED ***			-	-	-	
25	25		13-03179-00	8.20	K .25 W 5.0 %	CF	2	2	2	R26,R27
26	26		13-02177-00	47.0	K .25 W 5.0 %	CF	2	2	2	R25,R28
27	27		13-00309-00	390.0	.25 W 5.0 %	CF	2	2	2	R30,R31
28	28		23-56F4 -00	F4-01			-	-	1	E1
29	29		21-14523-00		4K MOS RAM 55NS 18PIN		8	8	8	E6-E12,E27

REVISION HISTORY			KPL MODULE FORMAT		SECTION A OF A		DRN: J.PLANTE		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX			DATE: 14-MAR-79						
---	MK002	D	[A]	00,RA,YA	[M]	CHK'D: J.PELLETIER			TITLE PARTS LIST			
PA	M8207-MK003	E	[B]		[N]	DATE: 14-MAR-79			DMP11 MICROCONTROLLER			
PA	M8207-MK005	H	[C]		[P]	DES.ENG: P.ALOISI						
PA	M8207-MK006	J	[D]		[Q]	DATE: 14-MAR-79			DOCUMENT NUMBER			
RH	M8207-MK007	K	[E]		[R]				SIZE	CODE	NUMBER	REV
PO	M8207-MK009	L	[F]		[S]	RESP.ENG.: M.LAWRENCE						
FB	M8207-MK010	M	[H]		[T]	DATE: 09-JAN-84			K	PL	M8207-0-DBP	T
ML	M8207-MK011	N	[J]		[V]							
ML	M8207-MK012	P	[K]		[W]	MFG.ENG: W.BROOKE			RELEASE DATE: 05-DEC-88			
ML	M8207-MK013	R	[L]		[Y]	DATE: 09-JAN-84			RELEASE STATUS: RELEASED			
ML	M8207-MK014	S										
RB	M8207-MK015	T										
			BASIC PART NUMBER:			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			EDIT #
			M8207			D-UA-M8207-0-0			K-DD-M8207-0-0			6
			FILE NAME: M8207T.PLS									

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LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY	PER	VAR/REV	REFERENCE DESIGNATORS
						00	RA	YA	
						T5	T5	T5	
30	30		19-11579-00		/REPLACED BY 19-14987-00	10	10	10	E50,E51,E61,E62,E91-E93,E101,
31	31		19-13294-00		93S16 COUNTER,SYNCH UP BIN	7	7	7	CONT E102,E115
32	32		19-14214-00		LS374 FF-D OCTAL EDGE TRIG	4	4	4	E15-E18,E24-E26
33	33		19-12847-00		LS157 MUX 1 OF 2(QUAD)	9	9	9	E20-E23
34	34		19-13671-00		74S374 FF-D,OCTAL,TR1 STATE	3	3	3	CONT E29,E31,E40,E42,E52,E63,E70,
35	35		23-202A1-00	A1-07		1	1	1	E79,E94
36	36		19-11675-00		74S138 DECODER/DEMUX 3-8 LI	4	4	4	E30,E41,E54
37	37		19-12728-00		74S251 MUX 1 OF 8 TRI-STA	8	8	8	E32
38	38		19-12697-00		LS174 FF-D HEX W/CLEAR	3	3	3	E33,E56,E80,E96
39	39		19-12696-00		LS194A SHIFT REG.,4BIT BI-D	2	2	2	E34-E36,E46-E48,E57,E58
40	40		19-13462-00		74S240 OCTAL BUFFER,INVERTI	4	4	4	E37,E43,E97
41	41		23-120A1-00	A1-07		1	1	1	E38,E49
42	42		19-10539-00		74S20 NAND GATE-DUAL 4INPU	1	1	1	E39,E88,E106,E113
43	43		19-12647-00		LS257 MUX 1 OF 2 (QUAD)	2	2	2	E44
44	44		19-10956-00		74S151 MUX 1 OF 8	1	1	1	E45
45	45		19-10532-00		74S00 NAND GATE-QUAD 2IN	2	2	2	E53,E64
46	46		19-10549-00		74S158 MUX 1 OF 2 (QUAD)	1	1	1	E55
47	47		23-121A1-00	A1-07		1	1	1	E59,E108
48	48		19-10531-00	DEC	74S181 ALU-4BIT	2	2	2	E60
49	49		19-10957-00		74S175 FF-D QUAD COMMON CLO	4	4	4	E65
50	50		19-10548-00		74S157 MUX 1 OF 2 (QUAD)	3	3	3	E66,E74
51	51		19-12837-00		LS123 ONE SHOT-DUAL,RETRIG	3	3	3	E67,E75,E89,E99
52	52		19-12741-00		82S112 MEMORY READ/WRITE, 3	4	4	4	E68,E83,E86
53	53		19-12853-00		LS175 FF-D QUAD	1	1	1	E69,E129,E132
54	54		19-05580-00	DEC	7450 A-O-I XPNDBLE GATE-D	2	2	2	E71-E73,E78
55	55		13-18784-01	R. NET	JUMPER PRIOR. 5 - 6 SPE	1	1	1	E76
56	56		19-10544-00		74S74 FF-D DUAL,EDGE TRIGG	4	4	4	E81,E117
57	57		19-12661-00		74S189 MEMORY READ/WRITE	2	2	2	E77
58	58		19-10537-00		74S11 AND GATE-TRIPLE 3INP	2	2	2	E82,E105,E109,E121
59	59		19-12845-00		LS153 MUX 1 OF 4 (DUAL)	1	1	1	E84,E90
60	60		19-09705-00	DEC	8881 NAND GATE-QUAD 2IN 0	2	2	2	E95,E119
61	61		19-12842-00		LS138 DECODER-THREE INPUT,	1	1	1	E98
62	62		19-12805-00		LS08 AND GATE-QUAD 2IN,PO	1	1	1	E100,E114
63	63		19-10536-00		74S10 NAND GATE-TRIPLE 3IN	1	1	1	E104
64	64		19-11712-00		74S51 AND-OR GATE-INVERT D	2	2	2	E103
65	65		19-10542-00		74S64 A-O-I GATE 4-2-3-2	1	1	1	E107
66	66		19-14438-00	DC	013 UNIBUS INTERRUPT-BIP	2	2	2	E110,E118
67	67		19-12824-00		LS74 FF-D DUAL,EDGE TRIGG	2	2	2	E111
68	68		19-10545-00		74S112 FF-JK DUAL,EDGE TRIG	3	3	3	E112,E124
69	69		19-12395-00	DM	8136 COMPARATOR-6BIT UNIF	2	2	2	E116,E120
70	70		18-11660-05	OSCILLATOR,	XTAL 33.330 MHZ	1	1	1	E122,E134,E135
71	71		19-12834-00		LS112 FF-JK,DUAL,EDGE TRIG	1	1	1	E125,E126
72	72		19-09004-00	DEC	7402 NOR GATE-QUAD 2IN	1	1	1	E123
73	73		19-12389-00		74S08 AND GATE-QUAD 2IN,PO	1	1	1	E130
74	74		12-11164-04	SW,DIP	08POS/1PST 5VDC100MA F	1	1	1	E131
75	75		12-11164-06	SW,DIP	10POS/1PST 5VDC100MA F	1	1	1	E133
76	76		13-00005-03	R. NET	10.0K-13 5.0	1	1	1	E28
77	77		90-00024-01		*** THIS ITEM IS NOT USED ***	-	-	-	E127
									E128

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DMP11 MICROCONTROLLER			K	PL	M8207-0-DBP	T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY	PER	VAR/REV	REFERENCE DESIGNATORS
						00 T5	RA T5	YA T5	
78	78	SEE NOTE # 78	12-21142-01		TERM,TAB .250TAB	2	2	2	TP1,TP2
79	79		90-09000-00		EYELET,ROLLED 0.1210DX0.156	14	14	14	
80	80		90-09185-00		JUMPER, WIRE, INSULATED, BLACK B	10	-	-	W1-W10
			CONT			-	6	-	W1-W3,W5,W8,W10
						-	-	6	W1,W2,W4,W6,W7,W9
31	81		23-57F4 -00		F4-01	-	-	1	E2
82	82		23-58F4 -00		F4-01	-	-	1	E3
83	83		23-59F4 -00		F4-01	-	-	1	E4
84	84		23-62F4 -00		F4-01	-	-	1	E5
85	85		23-63F4 -00		F4-01	-	-	1	E14
86	86				*** THIS ITEM IS NOT USED ***	-	-	-	
87	87	#NOTE 2	12-11164-00		SW,DIP 4POS/1PST 5VDC100MA F	1	1	1	E85
88	88				*** THIS ITEM IS NOT USED ***	-	-	-	
89	89		23-127F3-00		F3-03	-	1	-	E1
90	90		23-100F3-00		F3-03	-	1	-	E2
91	91		23-101F3-00		F3-03	-	1	-	E3
92	92		23-128F3-00		F3-03	-	1	-	E4
93	93		23-103F3-00		F3-03	-	1	-	E5
94	94		23-104F3-00		F3-03	-	1	-	E14
95	95				*** THIS ITEM IS NOT USED ***	-	-	-	
96	96		37-00689-10		PKG UNIVERSAL MODULE 10 PACK	1	1	1	
97	97				*** THIS ITEM IS NOT USED ***	-	-	-	

78 NOTE: 90-07112-00 MAY BE USED INSTEAD OF 12-21142-01 AT MANUFACTURERS DISCRETION.

1 GEN: NOTE 1. 1004813-00 MAY BE USED INSTEAD OF 1012084-01.
2 GEN: NOTE 2. 1211164-01 MAY BE USED INSTEAD OF 1211164-00

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DMP11 MICROCONTROLLER		K	PL	M8207-0-DBP	T

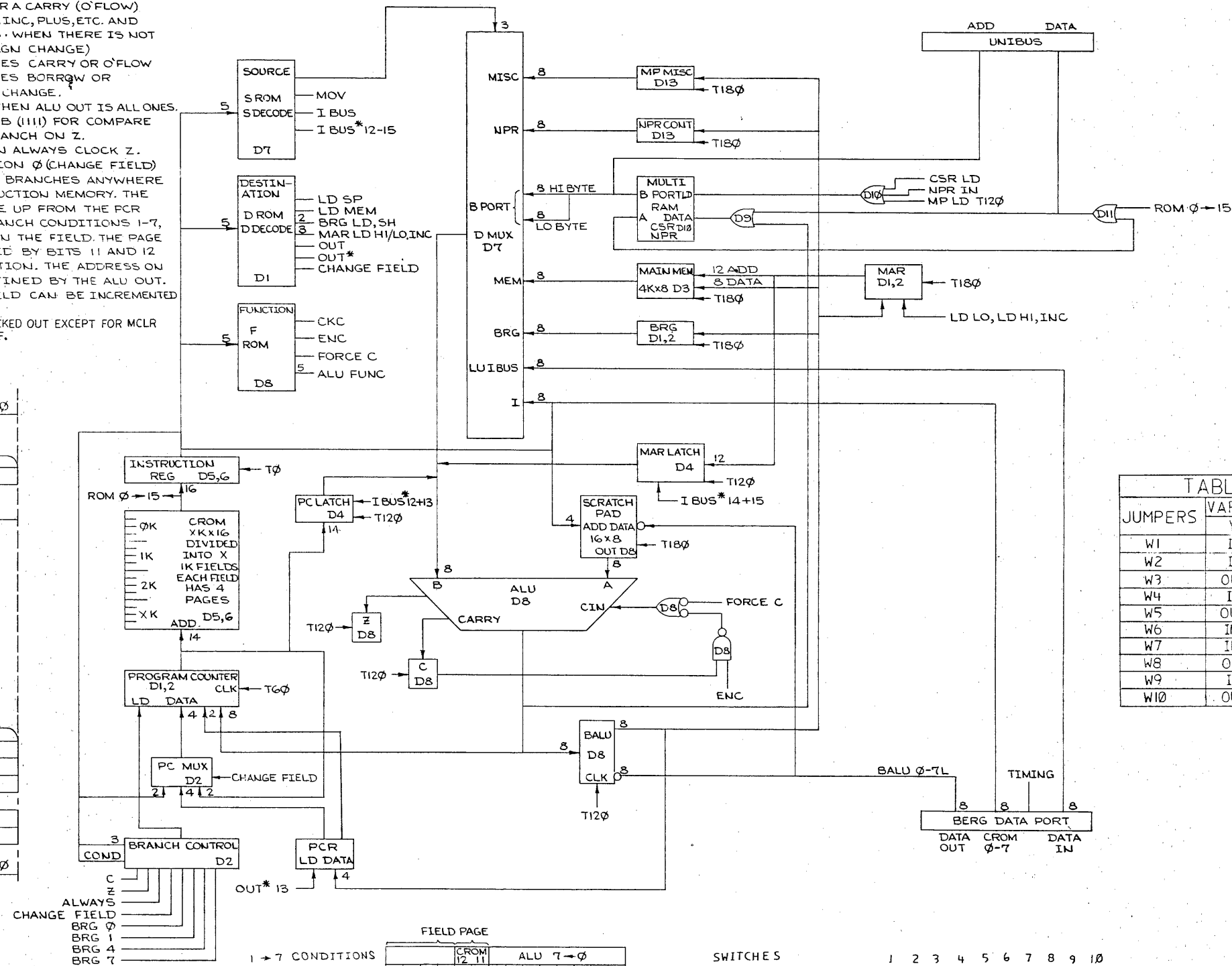
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NOTES

1. C WILL ASSERT FOR A CARRY (O'FLOW) DURING ANY ADD, INC, PLUS, ETC. AND FOR A SUB, DEC.... WHEN THERE IS NOT A BORROW OR (SIGN CHANGE)
ADD: C $\uparrow$ INDICATES CARRY OR O'FLOW
SUB: C $\uparrow$ INDICATES BORROW OR SIGN CHANGE.
2. Z WILL ASSERT WHEN ALU OUT IS ALL ONES.
3. USE I S COMP SUB (IIII) FOR COMPARE FOLLOWED BY BRANCH ON Z.
4. MOV INSTRUCTION ALWAYS CLOCK Z.
5. BRANCH CONDITION O (CHANGE FIELD) UNCONDITIONALLY BRANCHES ANYWHERE IN THE XK INSTRUCTION MEMORY. THE ADDRESS IS MADE UP FROM THE PCR AND THE ALU. BRANCH CONDITIONS 1-7, BRANCHES WITHIN THE FIELD. THE PAGE BITS ARE DEFINED BY BITS 11 AND 12 OF THE INSTRUCTION. THE ADDRESS ON THE PAGE IS DEFINED BY THE ALU OUT.
6. ANY PAGE OR FIELD CAN BE INCREMENTED INTO.
7. CSR BYTE ONE IS LOCKED OUT EXCEPT FOR MCLR WHEN SWITCH IS OFF.

	ALU f	CODE
2S COMP SUB	(A-B)	1111
1S COMP SUB	(A-B-1)	1111
ADD	(A,B)	0000
ADD W/C	(A,B,C)	0001
SUB W/C	(A-B,C)	0010
INC A	(A+1)	0011
A PLUS C	(A,C)	0100
2A	(A,A)	0101
2A W/C	(A,A,C)	0110
DECA	(A-1)	0111
SEL A	(A)	1000
SEL B	(B)	1001
A OR B	(A+B)	1010
A AND B	(AB)	1011
A OR B	(A+B)	1100
A XOR B	A ⊕ B	1101

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
JMP (SRC) BRANCH ADRS 9,8 COND								BRANCH ADRS 7-0							
100 (I)								I 7-0							
110 (MEM) 111 (BRG)								ALU (f)				SPA			
COND								DEST							
000 CHANGE FIELD								NOP							
001 ALWAYS								BRG							
010 C								OUT [*] (SP ← A)							
011 Z								BRG RSH(ALU ← BRG)							
100 BRG0								OUT(SP ← A)							
101 BRG1								MEM							
110 BRG4								SP							
111 BRG7								<u>SP, BRG</u>							
MOV (SRC) MAR 01 LD HI 10 LD LO 11 INC								DEST							
								ALU DATA 7-0							
000 (I)								I 7-0							
001 (IBUS)								INA				OUTA			
101 (IBUS*)								INA				SPA			
010 (MEM)								ALU f				SPA			
011 (BRG)								ALU f				OUTA			
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0



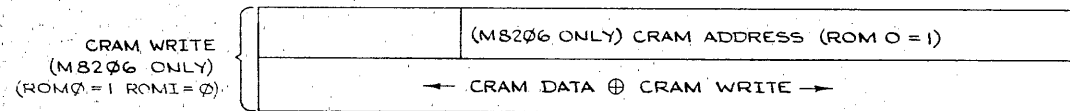
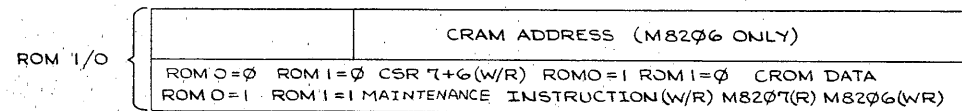
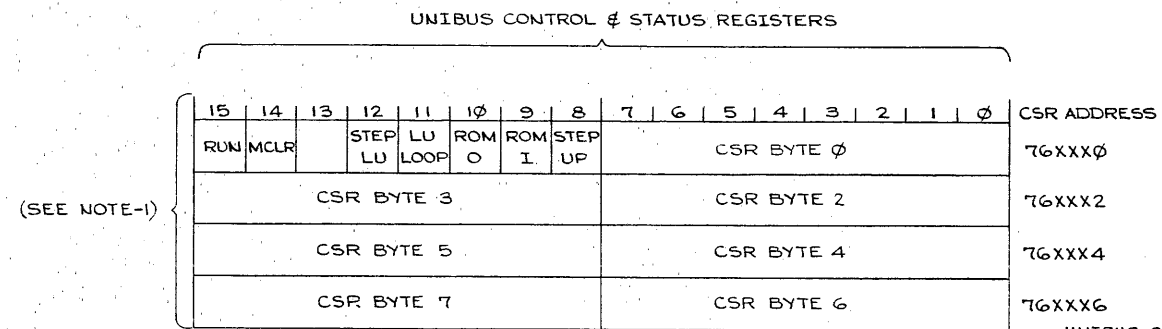
JUMPERS	VARIATIONS	
	YA	RA
W1	IN	IN
W2	IN	IN
W3	OUT	IN
W4	IN	OUT
W5	OUT	IN
W6	IN	OUT
W7	IN	OUT
W8	OUT	IN
W9	IN	OUT
W10	OUT	IN

FIELD PAGE													
CROM 12 11						ALU 7 → 0							
13	12	11	10	9	8	7	6	5	4	3	2	1	0
PCR 13 → 8						ALU 7 → 0							

SWITCHES		1	2	3	4	5	6	7	8	9	10	
E127	CSR ADDRESS	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	(760170)
E28	VECTOR ADDRESS	OFF	OFF	OFF	ON	ON	OFF					(300)
	RUN							ON				
	CSR DISABLE								OFF			
E85	CSR1 LOCK	ON	NOTE 7			DRN SCS Cost L-7-70				FIRST USE		

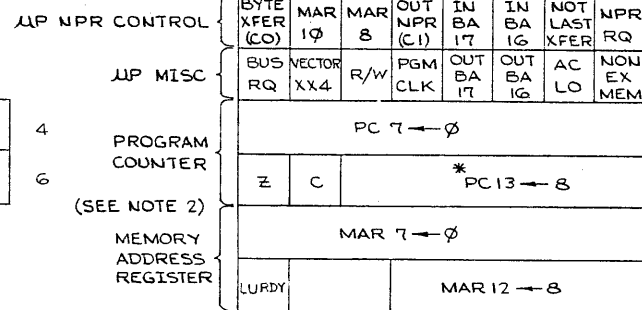
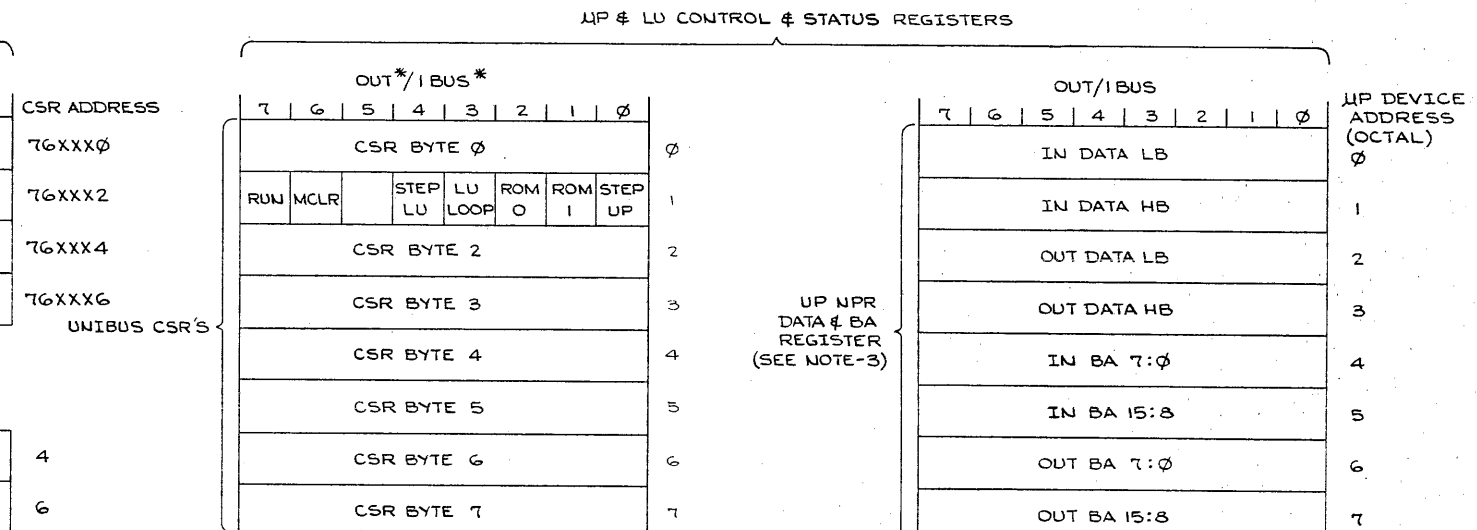
DRN. <i>Steve Garity</i> 73 June 78		FIRST USED ON		DMP11-AD		digital		A	
CHK'D <i>Q</i> <i>Y. G. Garity</i> 73 June 78		TITLE							
ENG. <i>Paul D. Garity</i> 12 June 78		DMP11							
PROJ. ENG. <i>Paul D. Garity</i> 12 June 78		MICROCONTROLLER							
PROD. <i>Q. G. Garity</i> 12 June 78									
NEXT HIGHER ASSY.									
K-DD-M8207-0		SIZE		CODE		NUMBER		REV.	
SCALE <i>1</i>		D		CS		M8207-0-1		R	
SHEET		OF		2					

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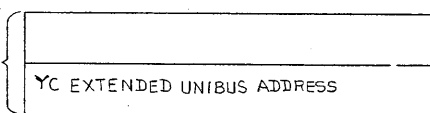


NOTES

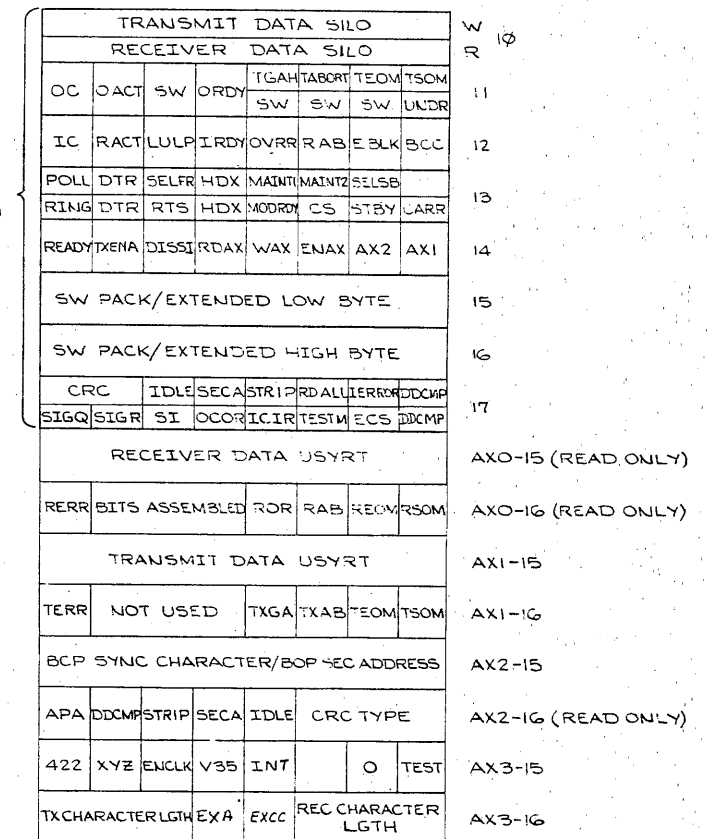
- UNIBUS CSR'S ARE IN THE MULTI-PORT RAM. BYTE 1 HAS A HARDWARE STATUS REGISTER THAT IS ADDRESSABLE ONLY FROM THE UNIBUS. IF THE UP ADDRESSES BYTE 1, IT WILL ONLY WRITE INTO THE RAM. ALL THE OTHER CSR BYTES ARE DEFINED BY THE MICROCODE EXCEPT IN MAINTENANCE MODE.
- IBUS*12-15 REFLECT THE PROGRAM COUNTER FOR THE INSTRUCTION BEING EXECUTED AND THE MEMORY ADDRESS REGISTER FOR THE PREVIOUS INSTRUCTION.
- OUT*13 IS THE PCR WHICH IS A SHADOW REGISTER. THE CONTENTS OF THE PCR WILL BE TRANSFERRED TO THE PC ONLY ON A BRANCH (CHANGE FIELD).
- NPR DATA AND BA REGISTER ARE RAM, HOWEVER ADDRESS ASSIGNMENTS ARE HARDWIRED AND CANNOT BE REDEFINED.
- OPTIONAL: THE BIT ASSIGNMENTS ARE ONLY VALID WITH THE M8203 LINE UNIT.



UNDEFINED



LU DEVICE REGISTERS (SEE NOTE-4)

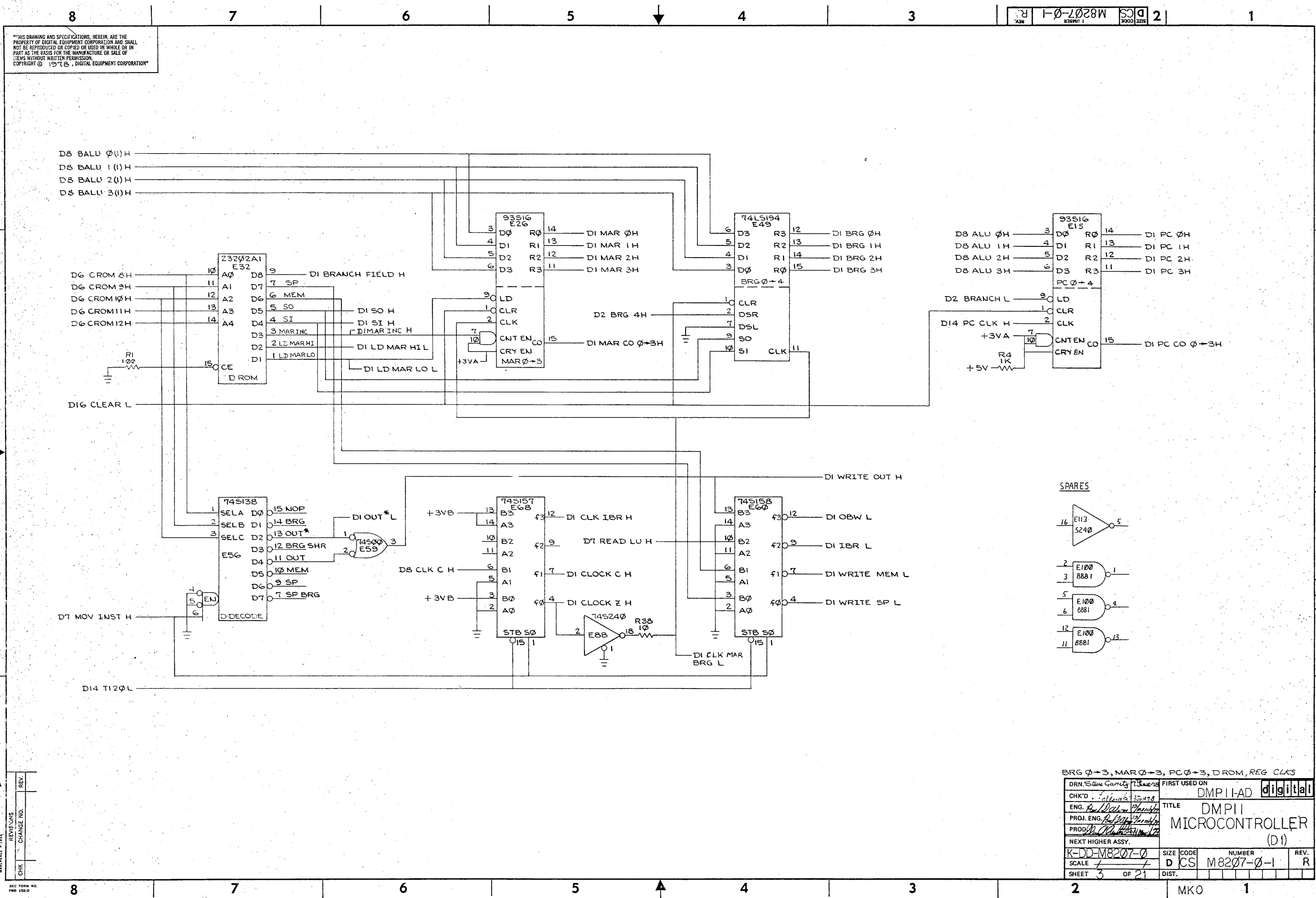


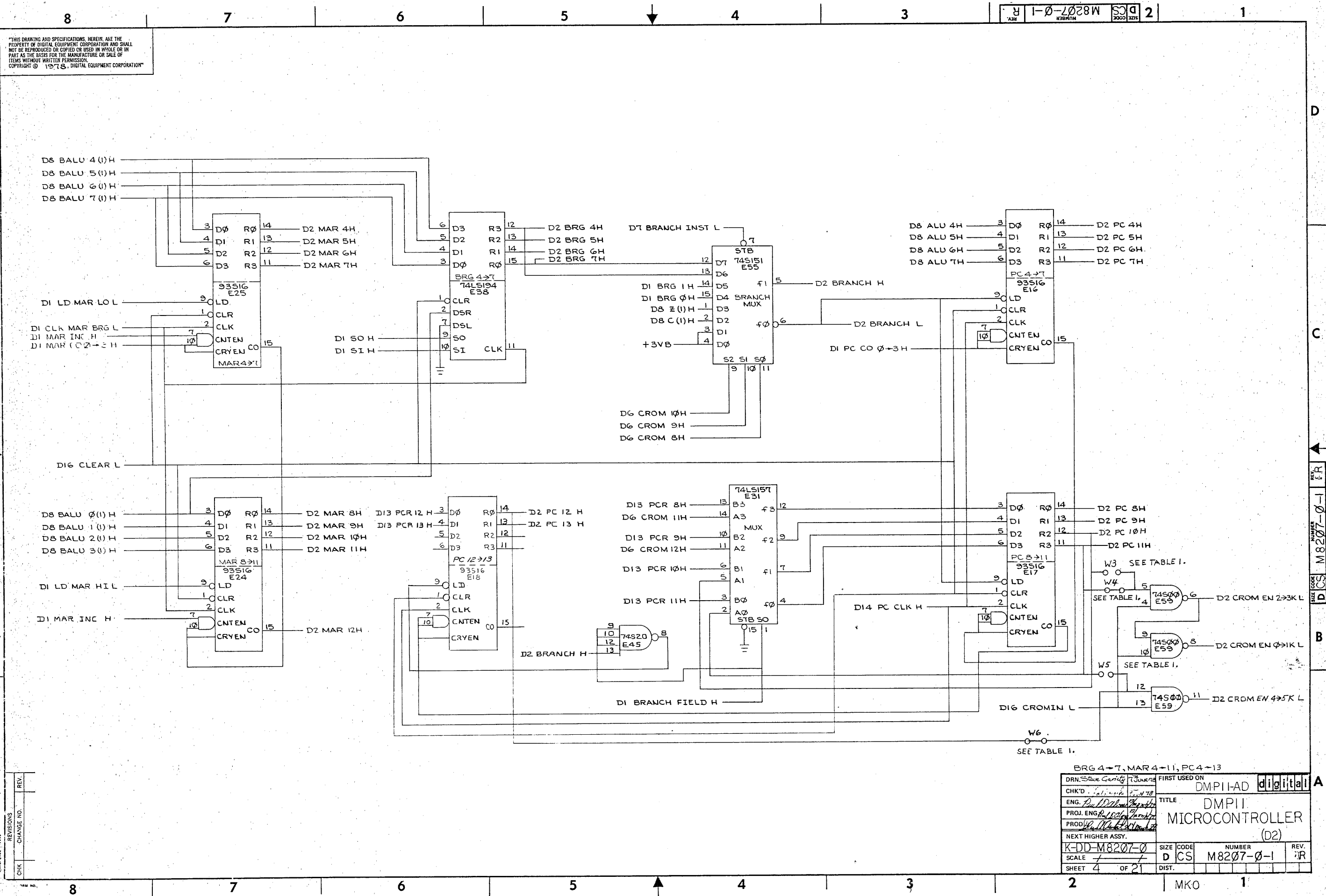
DRN. Steve Garity	13 JUN 78	FIRST USED ON	DMP II-AD digital
CHK'D. J. J. J.	7-178	TITLE	DMP II MICROCONTROLLER
ENG. Paul D. D.	11/1/78	PROJ. ENG. J. J. J.	11/1/78
PROD. J. J. J.	11/1/78	NEXT HIGHER ASSY.	
K-DD-M8207-0	SIZE	CODE	NUMBER
SCALE 1	D	CS	M8207-0-1
SHEET 2 OF 2	DIST.		

REV. 1R

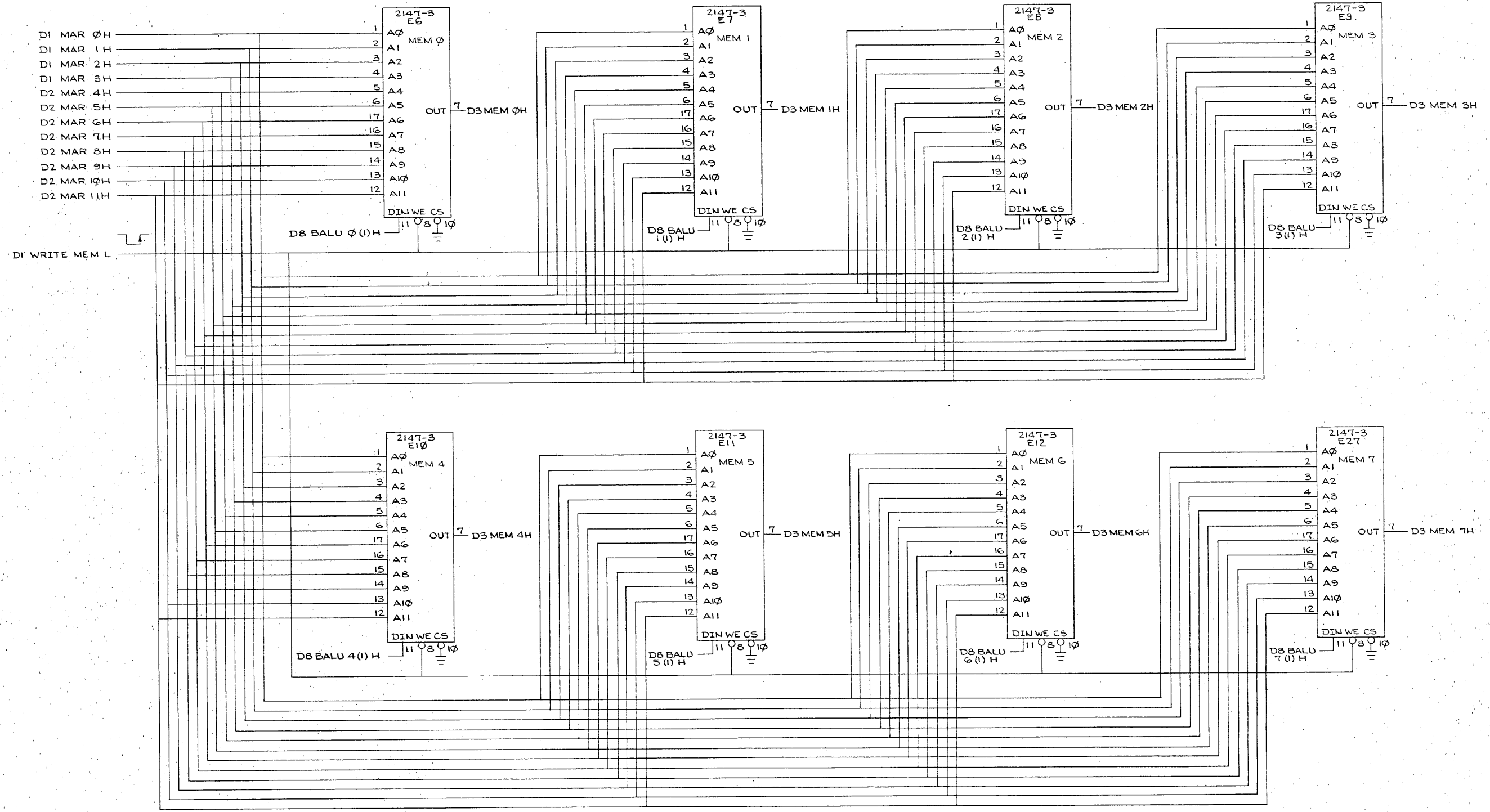
8 7 6 5 4 3 2 1

MK 1





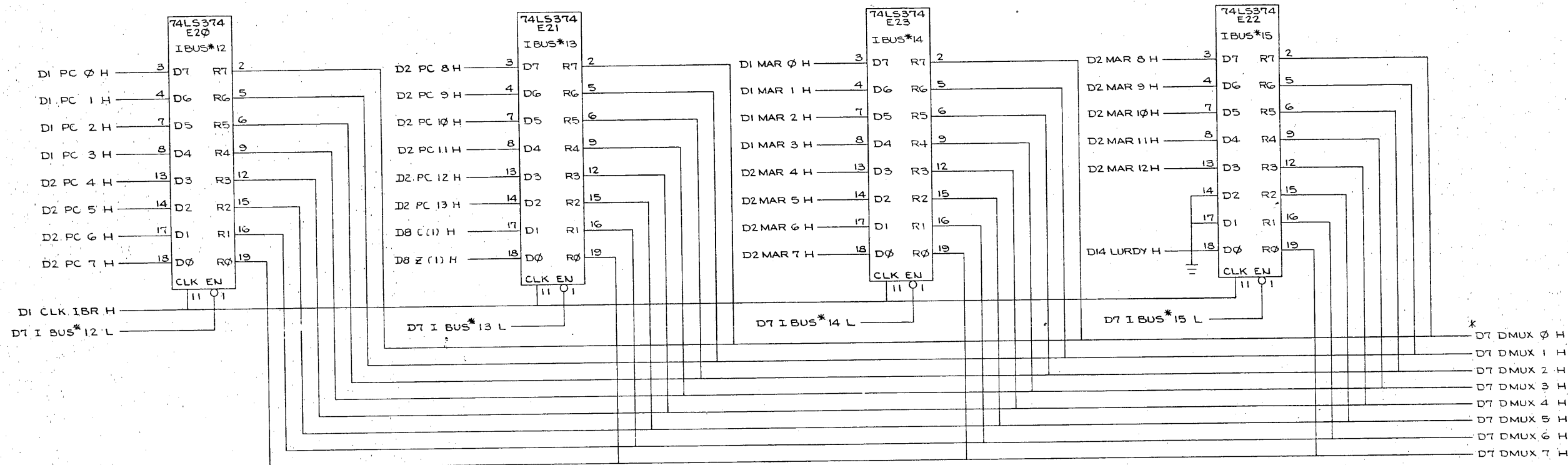
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DRN. <i>Sam Garity</i> 11/10/78		FIRST USED ON	
CHK'D: <i>Sam Garity</i> 11/10/78		TITLE	
ENG. <i>Sam Garity</i> 11/10/78		DMP II	
PROJ. ENG. <i>Sam Garity</i> 11/10/78		MICROCONTROLLER	
PROD. <i>Sam Garity</i> 11/10/78		(D3)	
NEXT HIGHER ASSY.			
K-DD-M8207-0		SIZE CODE	NUMBER
SCALE 1		D CS	M8207-0-1
SHEET 5 OF 21		DIST.	

REVISIONS	CHANGE NO.	REV.
CHK		

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* DMUX SIGNALS ARE TRI STATE

IBUS* REGISTER 12-15			
DRN. Steve Gandy	REVISED	FIRST USED ON	
CHK'D <i>LaVigne</i>			DMP11-AD digital
ENG. <i>Paul D. Brown</i>		TITLE	DMP11
PROJ. ENG. <i>Paul D. Brown</i>			MICROCONTROLLER
PROD. <i>Paul D. Brown</i>			(D4)
NEXT HIGHER ASSY.			
K-DD-M8207-0	SIZE	CODE	NUMBER
SCALE 1	D	CS	M8207-0-1
SHEET 6	OF 21	DIST.	

MKO 1

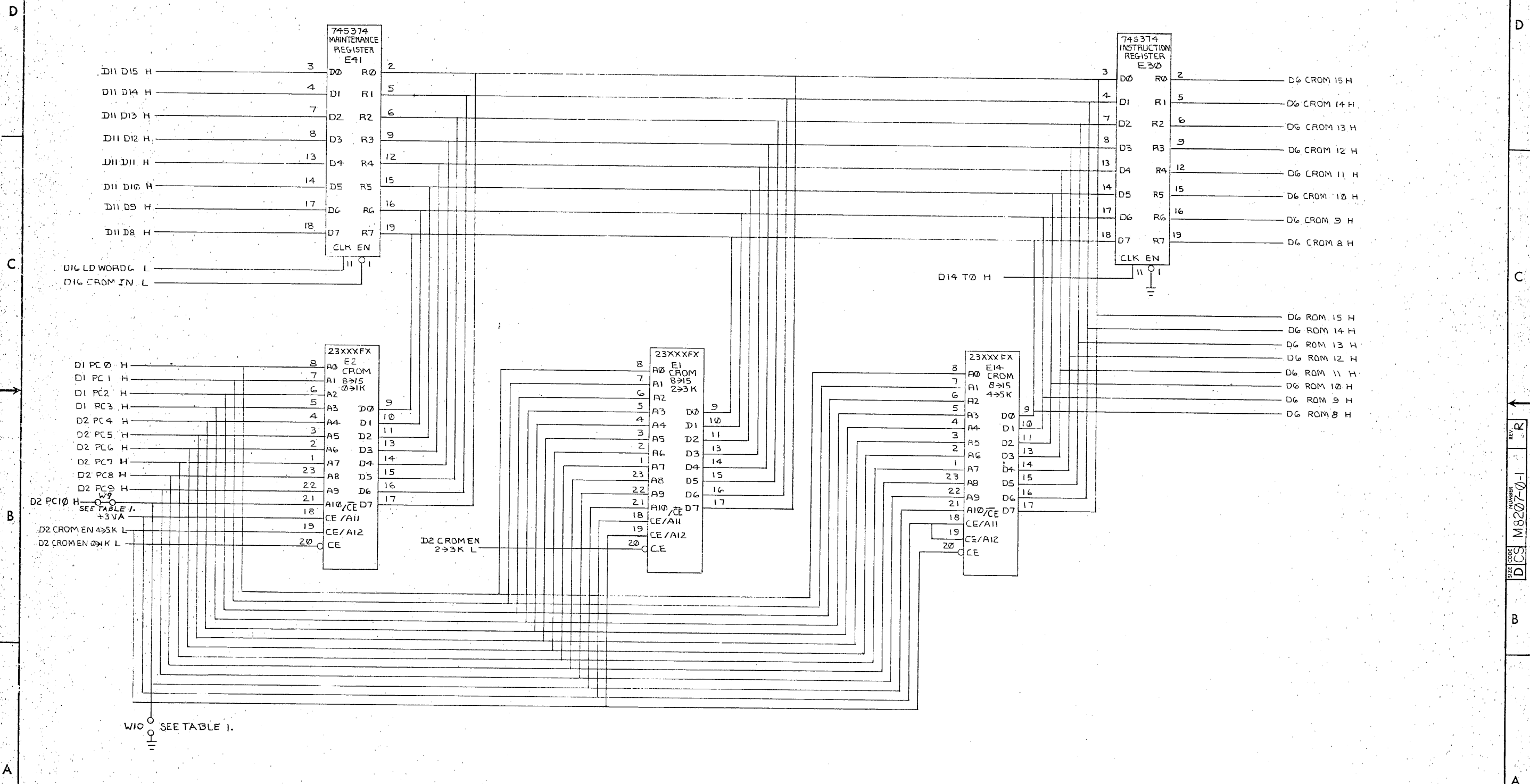
10



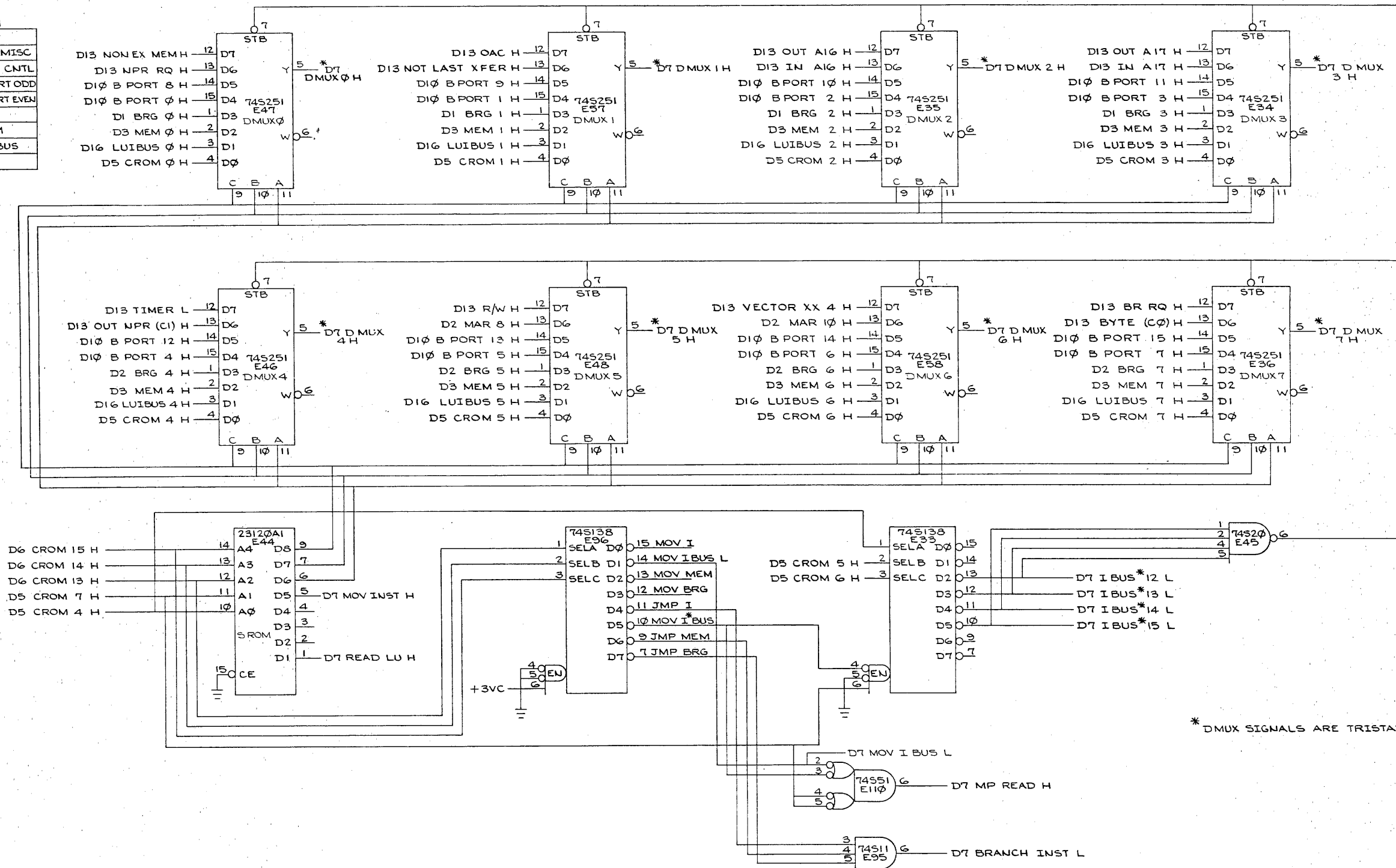
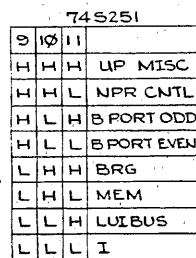
(FROM + IR + MAINTENANCE $\phi \rightarrow 7$)

TITLE		(D5)		SIZE CODE	NUMBER	REV.
DMP11 MICROCONTROLLER				D CS	M8207-0-1	R
SCALE	SHEET	OF	DIST.			
	7	21				
2			MKO 1			

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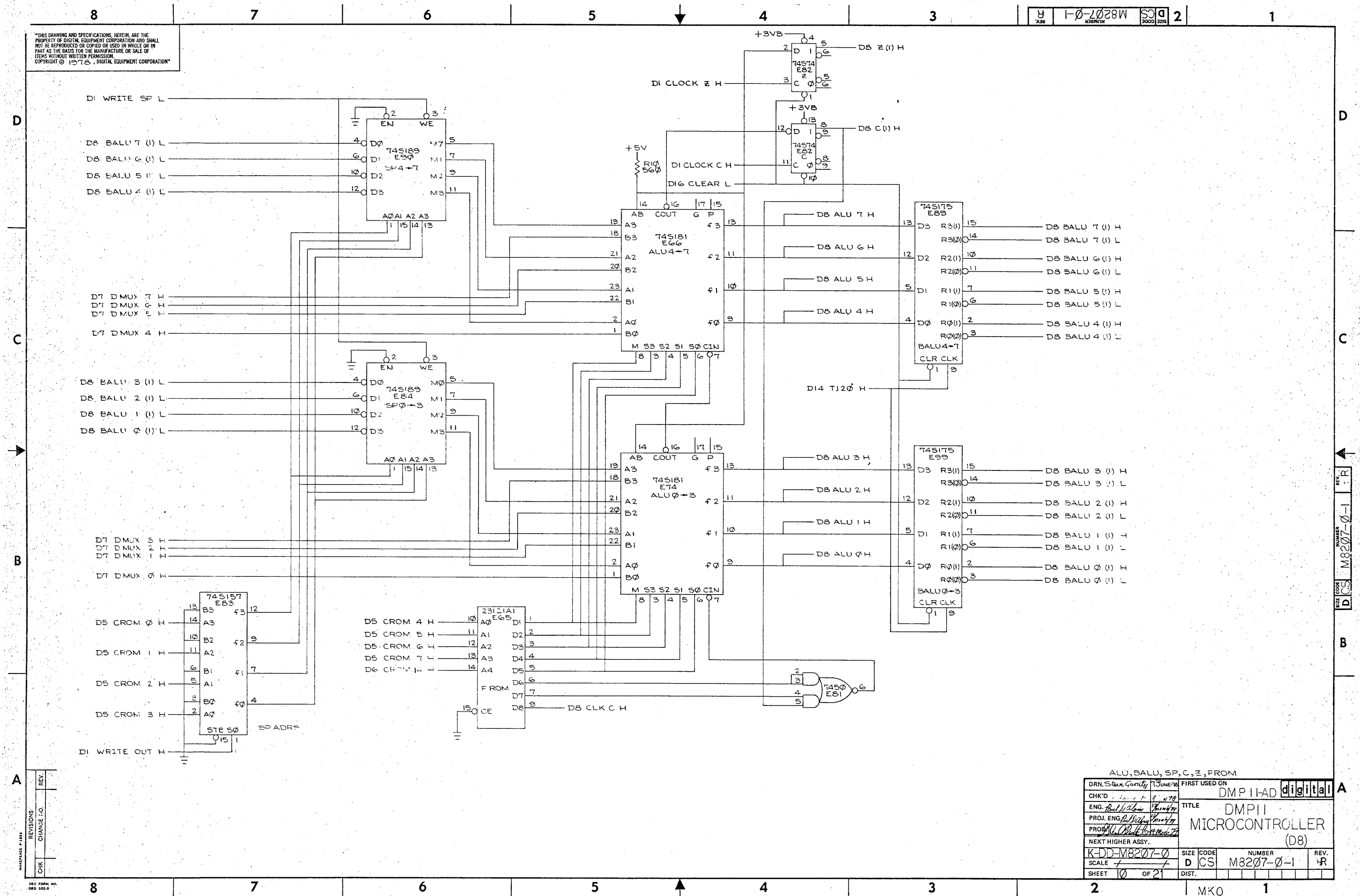


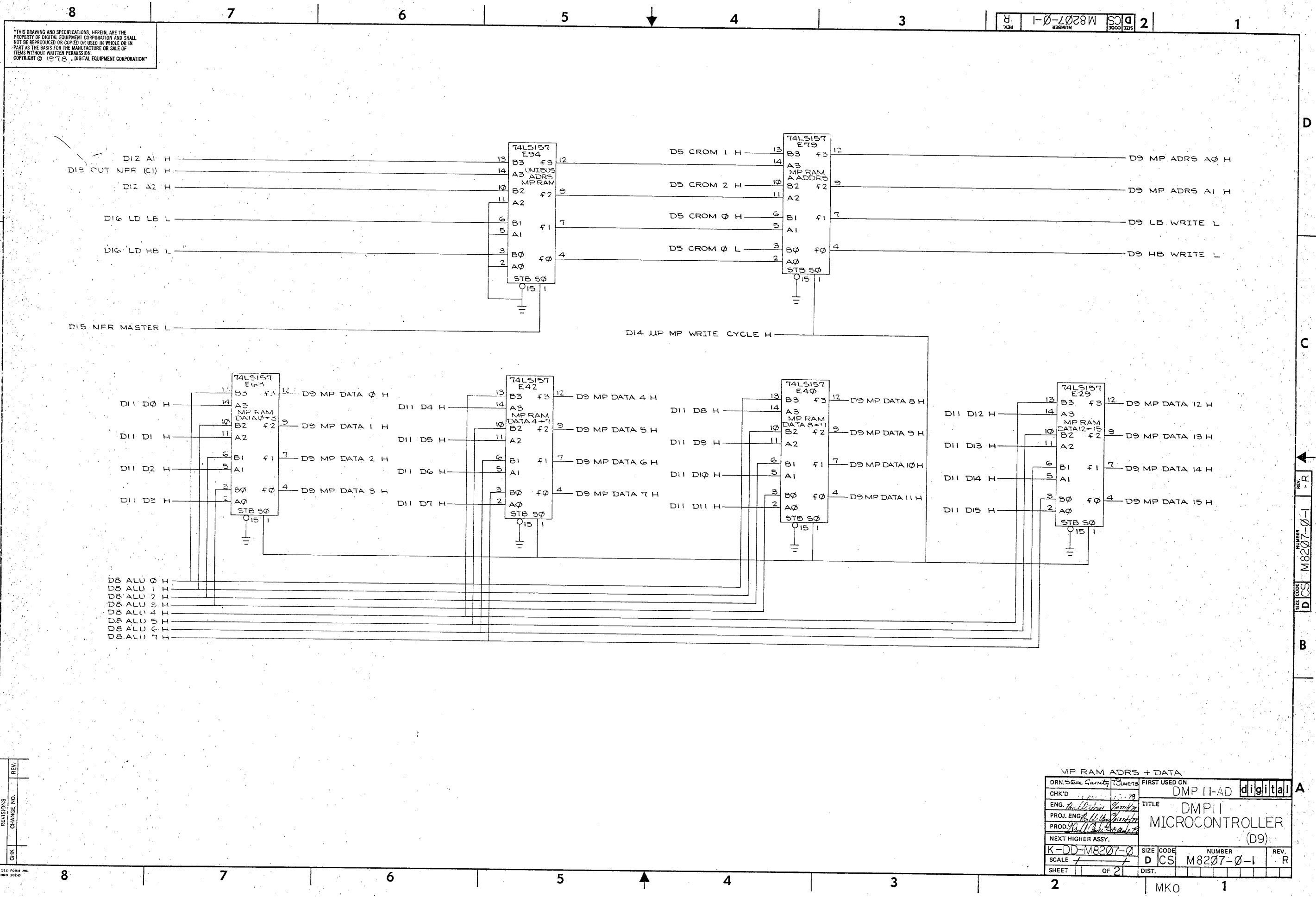
REVISIONS		
CHK	CHANGE NO.	REV.



* DMUX SIGNALS ARE TRISTATE

DMUX, SROM, S DECODE			
DRN. Steve Gandy	1 June 78	FIRST USED ON	DMPII-AD digital
CHK'D. J. J. Winkler	7 June 78	TITLE	DMPII MICROCONTROLLER
ENG. Paul D. Thomas	7 June 78		(D7)
PROJ. ENG. R. L. Hight	7 June 78		
PROD. R. L. Hight	7 June 78		
NEXT HIGHER ASSY.			
K-DD-M8207-0		SIZE	CODE
SCALE 1		D	CS
NUMBER		M8207-0-I	
SHEET 9 OF 21		REV.	1.0
DIST.			





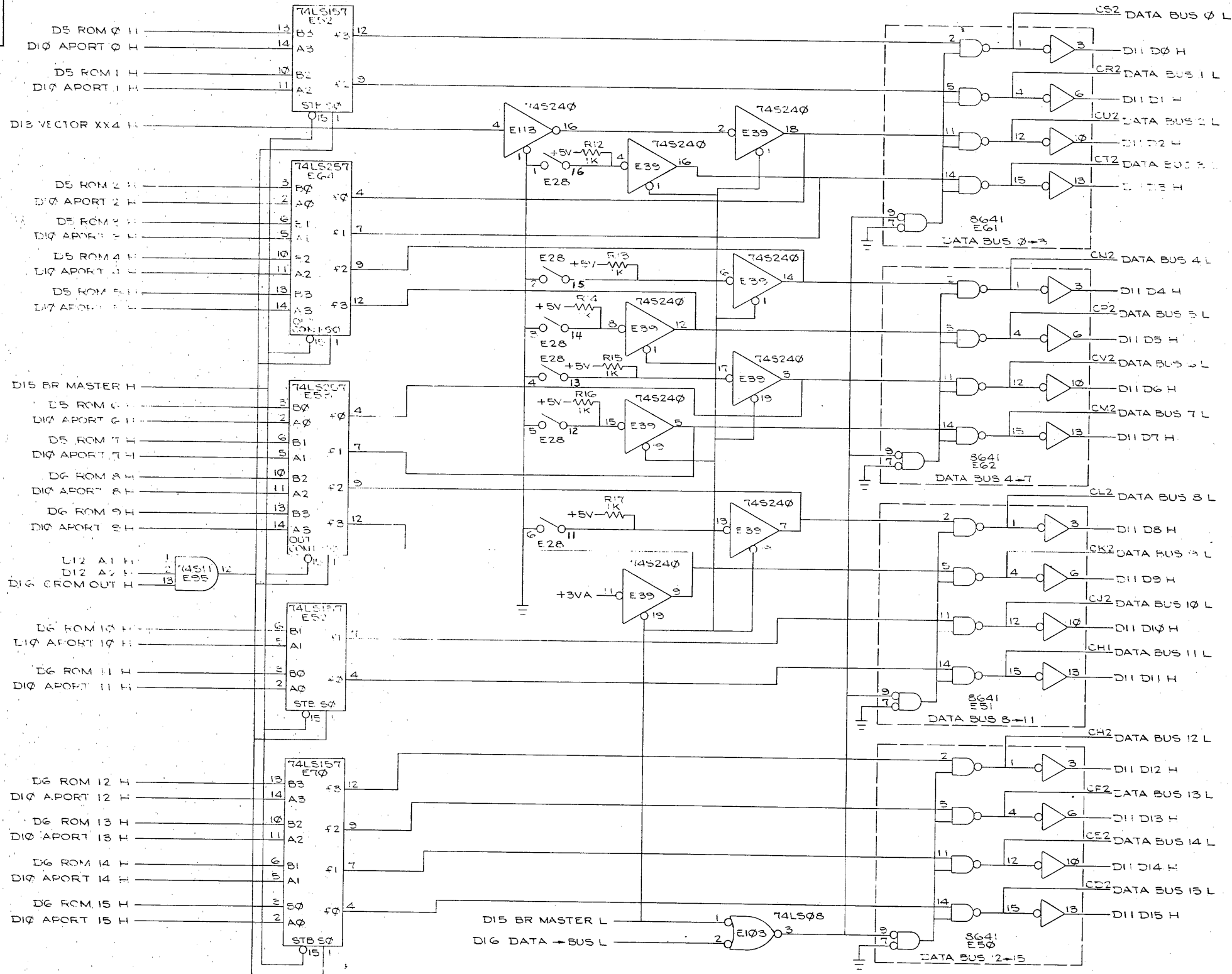
DRN. <i>Save Garaty</i> 17 JUN 78		FIRST USED ON	
CHK'D	<i>1.1.78</i>	DMP II-AD digital	
ENG.	<i>Paul D. [unclear]</i>	TITLE DMP II MICROCONTROLLER (D9)	
PROJ. ENG.	<i>Paul D. [unclear]</i>		
PROD.	<i>9/10/78</i>		
NEXT HIGHER ASSY.			
K-DD-M8207-0		SIZE CODE	NUMBER
SCALE	7	D CS	M8207-0-1
SHEET	OF 2	DIST.	

MP RAM ADRS + DATA

8 7 6 5 4 3 2 1

MKO 1

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UNIBUS DATA INTERFACE			
DRN. <i>Sam Garity</i>	DATE <i>11 JUN 78</i>	FIRST USED ON	<i>DMP I-HAD</i>
CHK'D <i>J. J. Smith</i>	DATE <i>9 JUN 78</i>	TITLE	<i>DMP II</i>
ENG. <i>Paul D. Blevins</i>	DATE <i>10 JUN 78</i>	MICROCONTROLLER	
PROJ. ENG. <i>Paul D. Blevins</i>	DATE <i>10 JUN 78</i>	(DI)	
PROD. <i>Paul D. Blevins</i>	DATE <i>10 JUN 78</i>		
NEXT HIGHER ASSY.			
K-DD-M8207-0	SIZE CODE	NUMBER	REV.
SCALE <i>1</i>	D CS	M8207-0-1	R
SHEET <i>13</i>	OF <i>2</i>	DIST.	

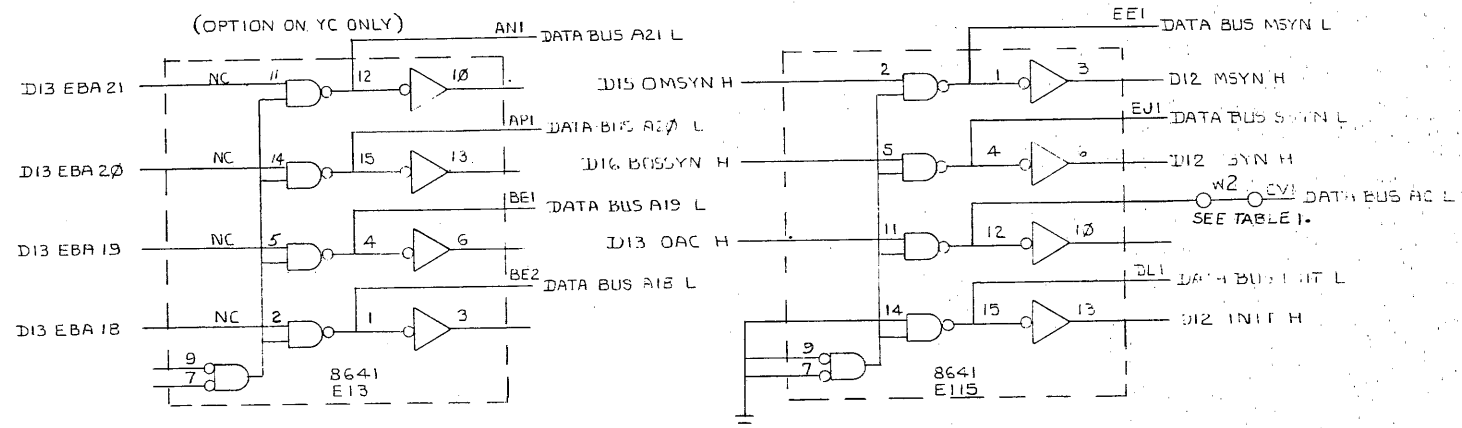
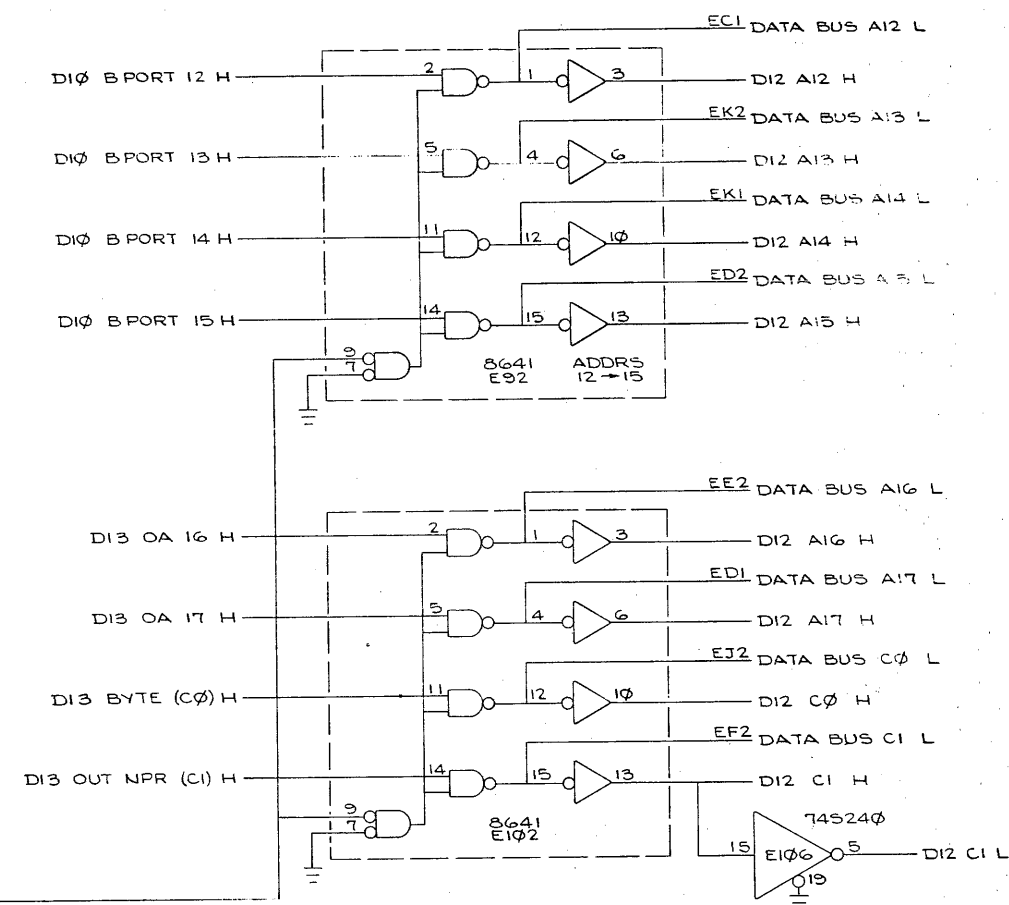
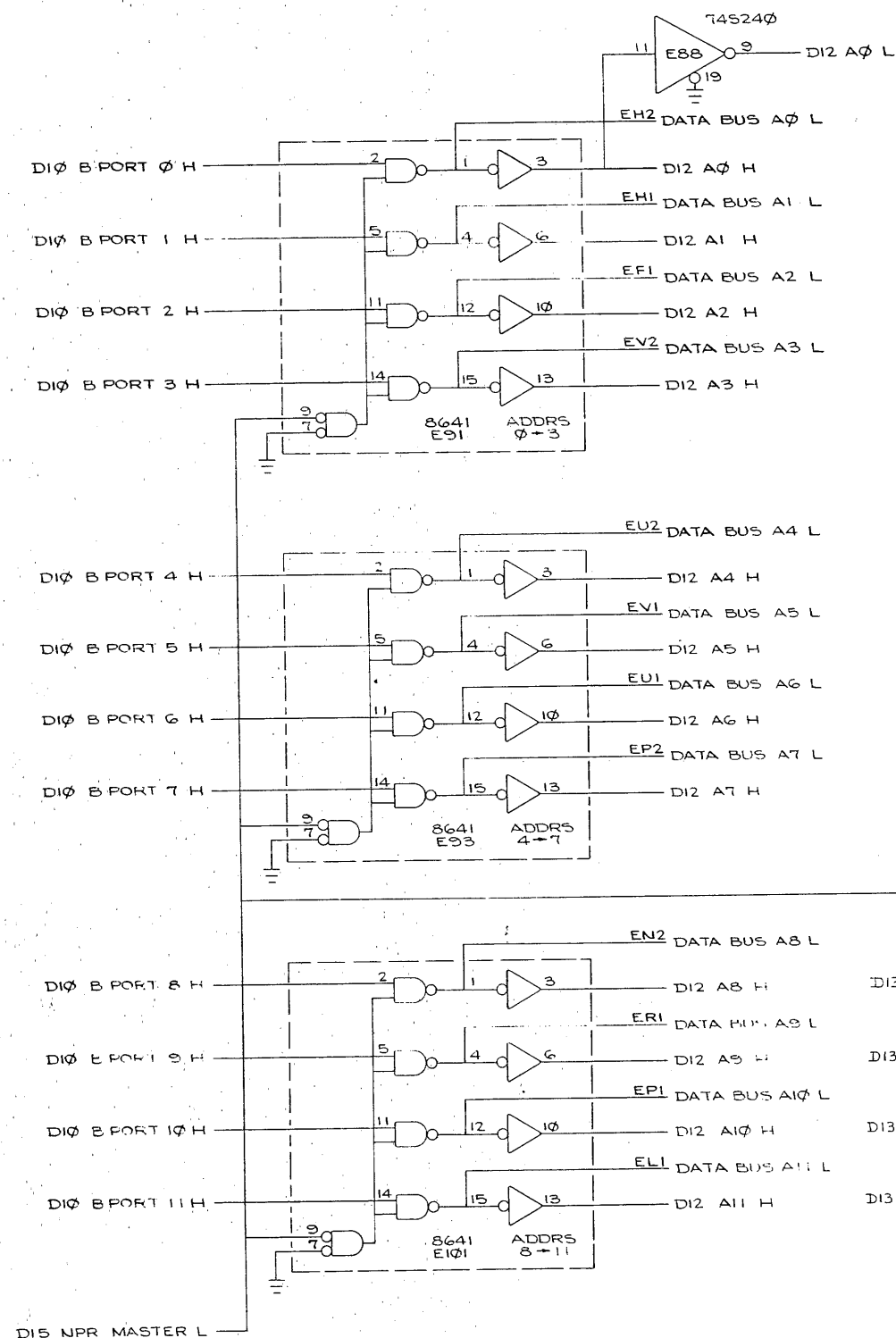
REVISIONS
CHK CHANGE NO. REV.

DWG FORM NO.

REV. R
M8207-0-1
CS
B

MKO 1

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UNIBUS ADRES INTERFACE

DRN. See Garity 13 June 78	FIRST USED ON	DMP 11-AD digital
CHK'D 9/10/78	TITLE	DMP11 MICROCONTROLLER (D12)
ENG. 10/10/78	PROJ. ENG. 10/10/78	PROD. 10/10/78
NEXT HIGHER ASSY.	SIZE CODE	NUMBER
K-DD-M8207-0	D CS	M8207-0-1
SCALE	DIST.	REV. R
SHEET 4 OF 21		

MK0

1

REVISIONS
CHANGE NO.
CHK

DIG FORM NO. 000 102-0

8

7

6

5

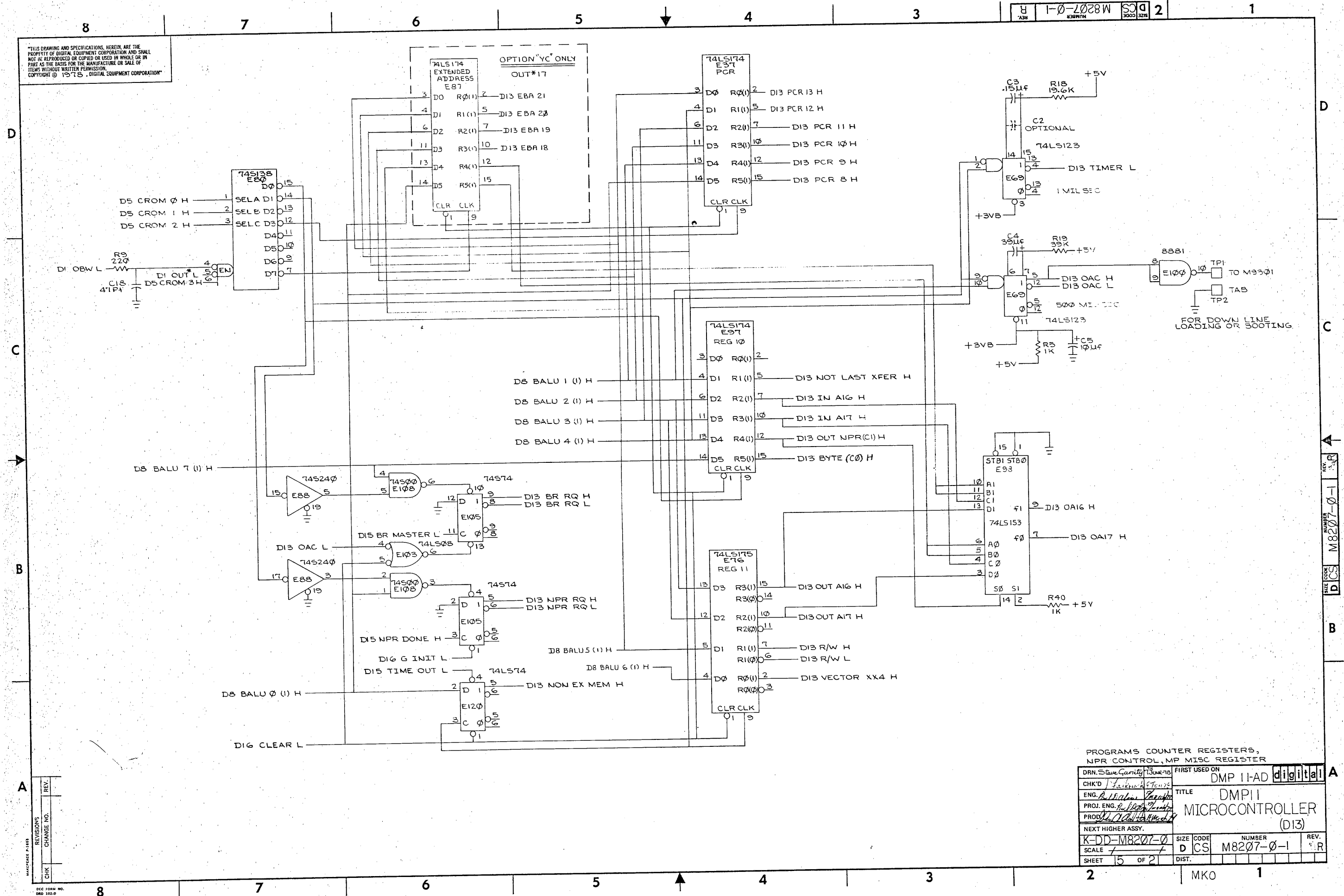
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3

2

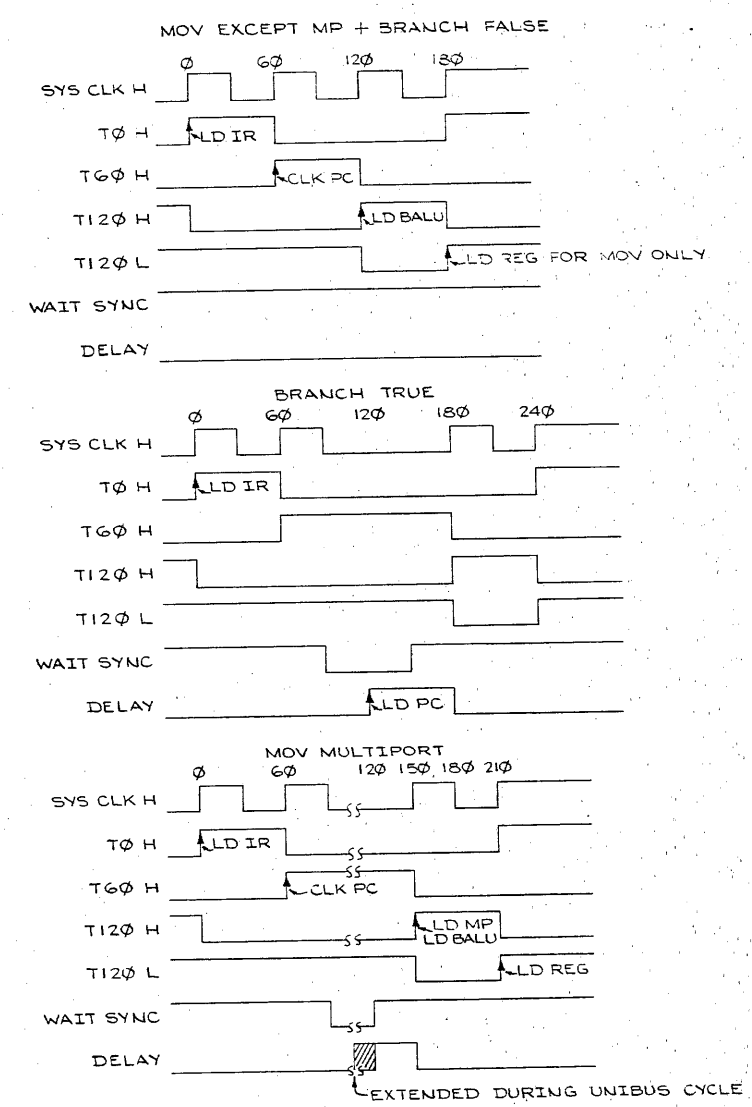
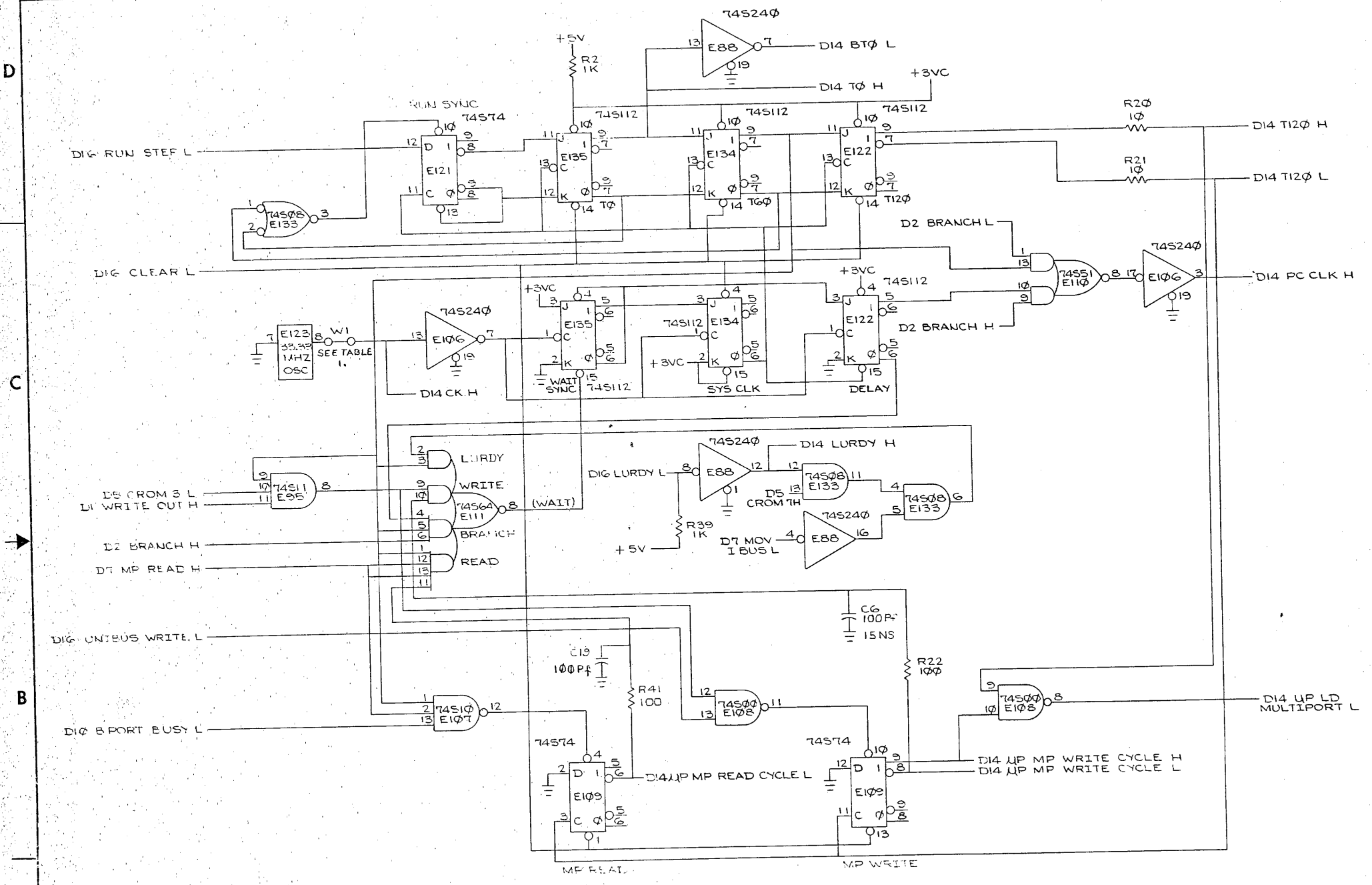
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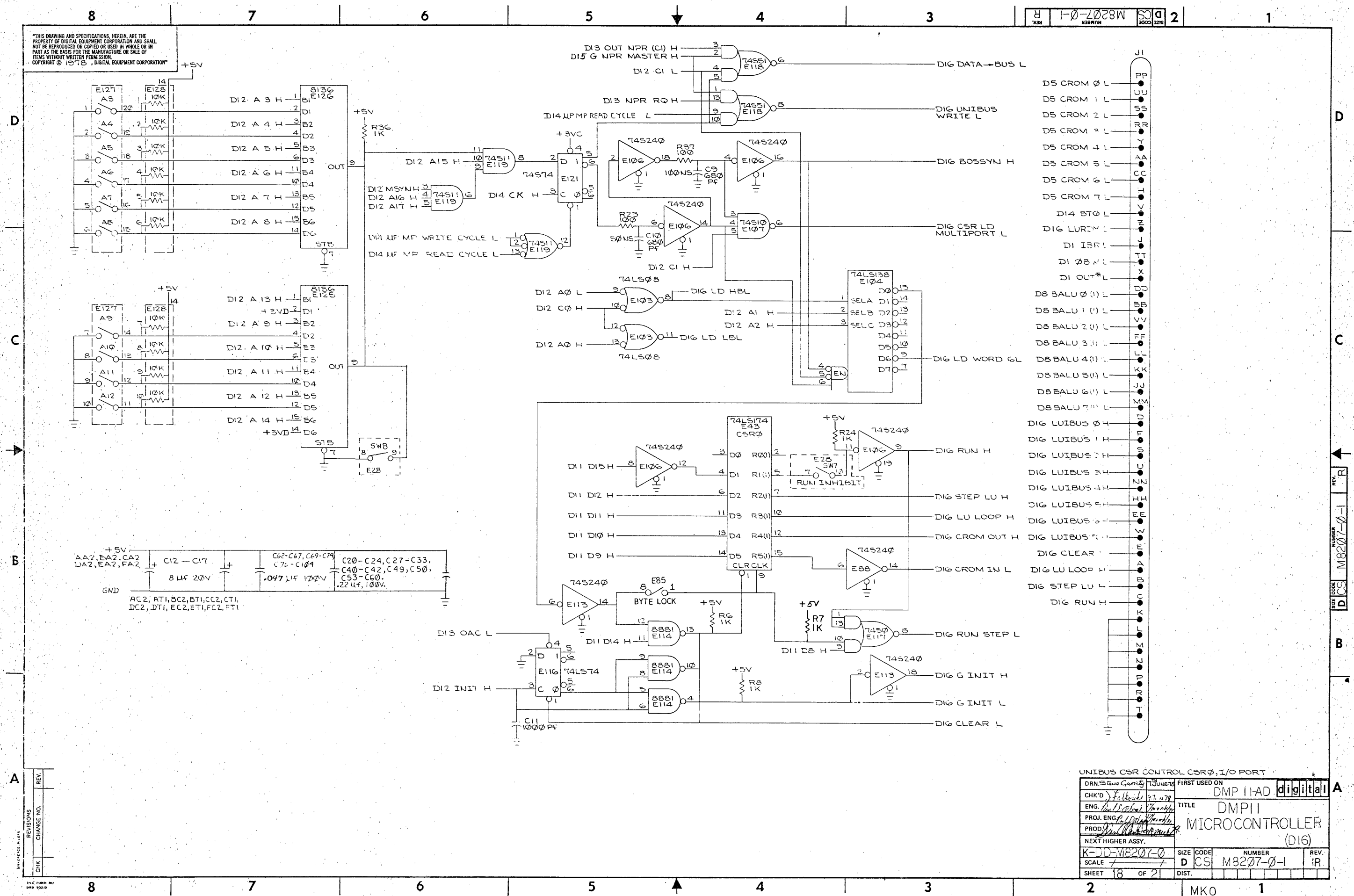
PROGRAMS COUNTER REGISTERS, NPR CONTROL, MP MISC REGISTER			
DRN. Steve Garity	DATE 11/10/75	FIRST USED ON	DMP 11-AD digital
CHK'D. F. G. Gentry	DATE 11/10/75	TITLE	DMP 11 MICROCONTROLLER (D13)
ENG. B. L. Allen	DATE 11/10/75	PROJ. ENG. B. L. Allen	
PROD. D. L. Allen	DATE 11/10/75	PROD. D. L. Allen	
NEXT HIGHER ASSY.			
K-DD-M8207-0	SIZE CODE D CS	NUMBER M8207-0-1	REV. R
SCALE 1	SHEET 15	OF 2	DIST.

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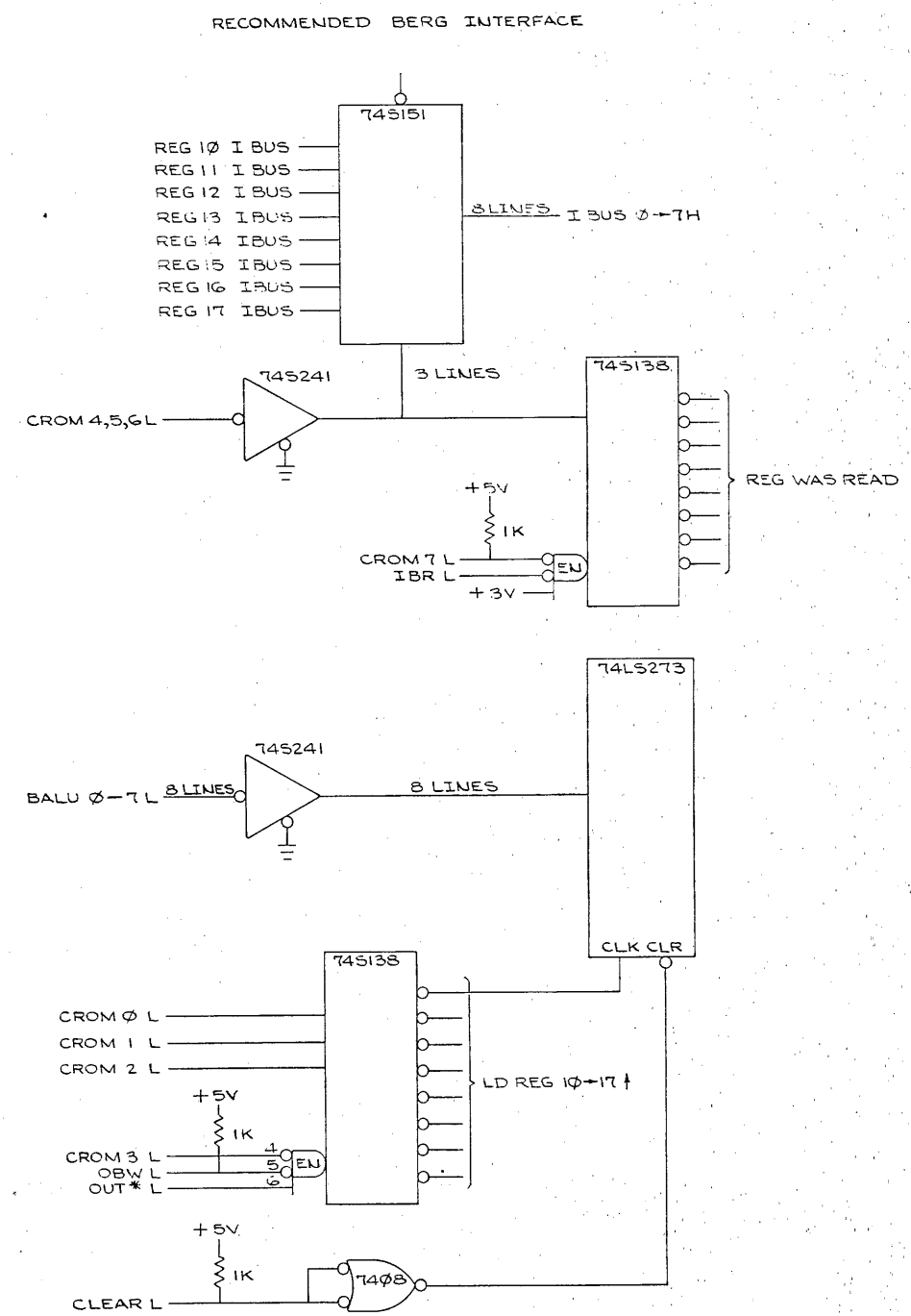
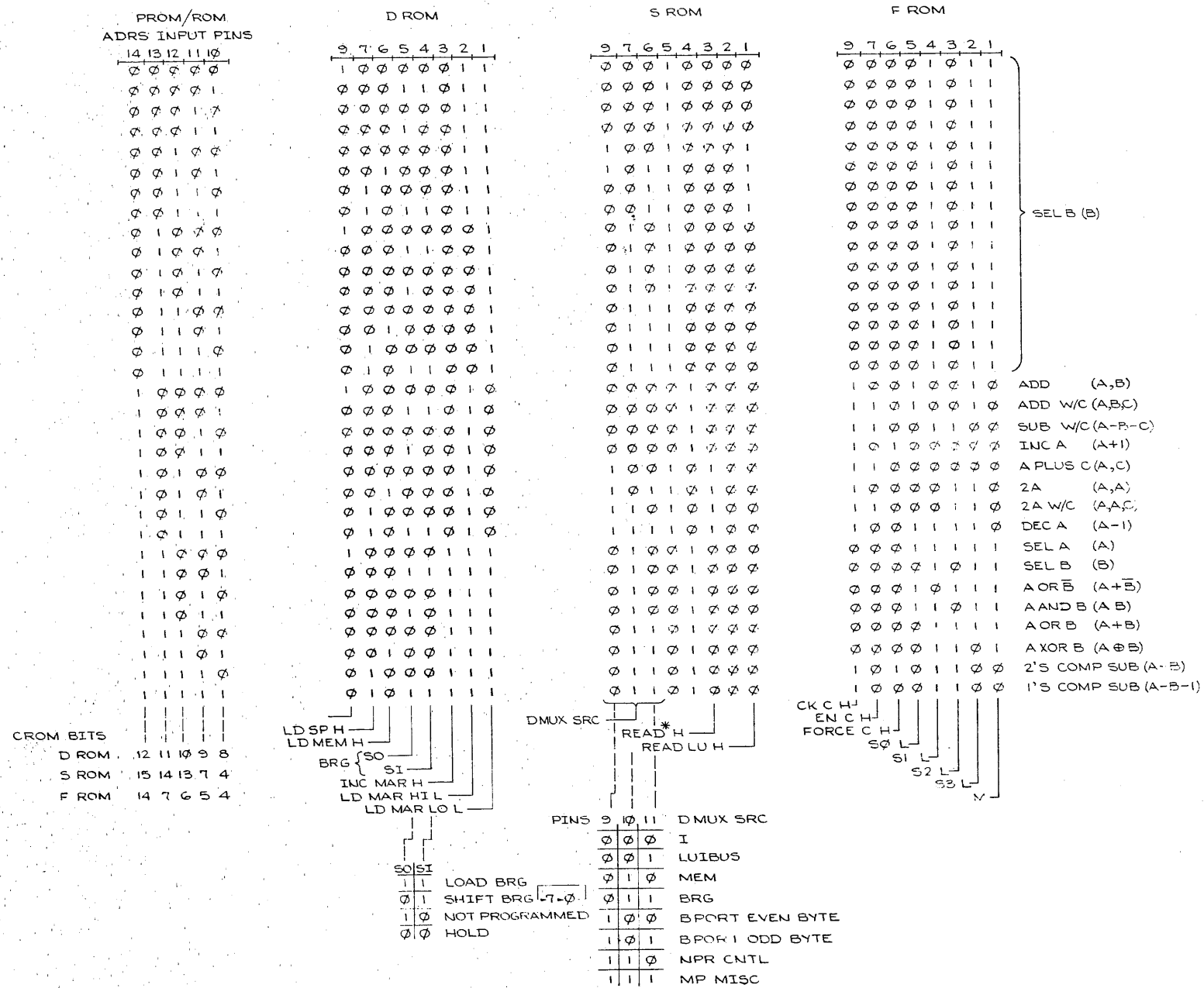


SYSTEM CLOCK			
DRN. <i>Sam Garity</i>	10 JUNE 78	FIRST USED ON	DMP11-AD digital
CHK'D <i>John De</i>	27 JUL 78	TITLE	DMP11 MICROCONTROLLER (D14)
ENG. <i>Paul D. Smith</i>		PROJ. ENG. <i>Paul D. Smith</i>	
PROD. <i>John De</i>		PROD. <i>John De</i>	
NEXT HIGHER ASSY.			
K-DD-M8207-0			
SCALE	1	SIZE CODE	D CS
SHEET	16	OF	21
DIST.			
MKO			

REV.	CHANGE NO.	DATE
1		



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DO NOT USE LS CHIPS FOR RECEIVERS.

DRN. Save Garity	15 JUNE 78	FIRST USED ON	DMP 11-AD
CHK'D by	10/2/78	TITLE	DMP11
ENG. by	10/2/78	PROJECT	MICROCONTROLLER
PROJ. ENG. by	10/2/78	PROOF	
NEXT HIGHER ASSY.		SIZE CODE	D CS
K-DD-M8207-0		NUMBER	M8207-0-1
SCALE		REV.	R
SHEET 21	OF 21	DIST.	

MKO 1

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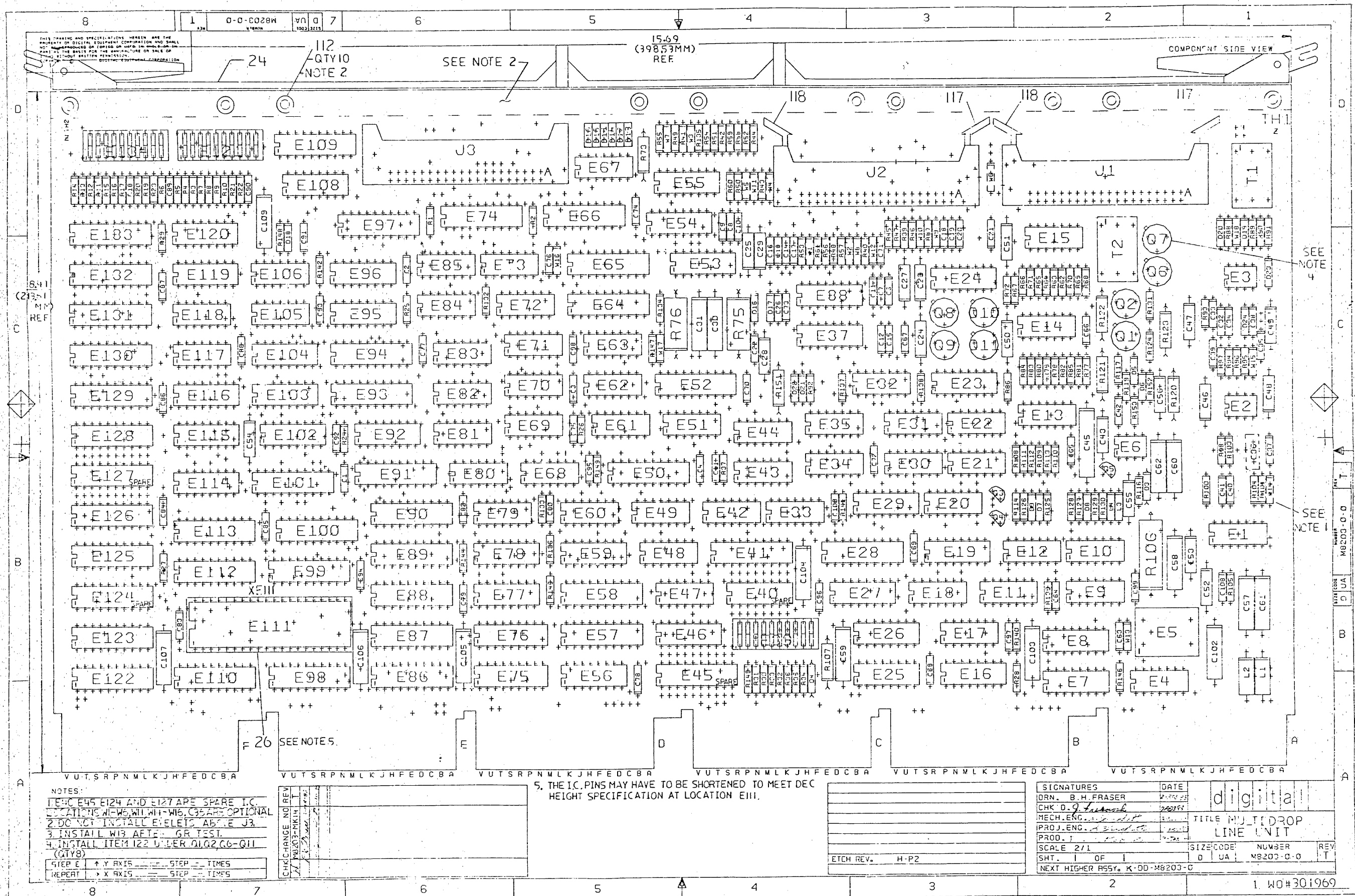
DRAWING DIRECTORY

ITEM	DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	TYPE	REVISIONS											
						T1	T2	T3									
1	PRODUCT REV		M8203-00	MULTIDROP LINE UNIT	-												
2	D-UA-M8203-0-0	1		MULTIDROP LINE UNIT	-	T	-	-									
3	K-PL-M8203-0-0	4		MULTIDROP LINE UNIT (DBP)	-	T	-	-									
4	D-CS-M8203-0-1	15		MULTIDROP LINE UNIT	-	T	T	T									
5	K-PC-M8203-0-DBC			PC DESIGN DATA BASE	-	P	N	N									
6	D-UA-M8203-0-2	2		MULTIDROP LINE UNIT WITH WIRE INK	-	-	A	-									
7	K-PL-M8203-0-2	4		MULTIDROP LINE UNIT (DBP) WITH WIRE INK	-	-	A	-									
8	D-UA-M8203-0-3	2		MULTIDROP LINE UNIT WITH HARDWARE	-	-	-	A									
9	K-PL-M8203-0-3	4		MULTIDROP LINE UNIT (DBP) WITH HARDWARE	-	-	-	A									
10	K-DD-5013292-0	1		DRAWING DIRECTORY ETCH BOARD	-	A	A	A									

NOTES: 1. T1 = REV H-P2 ETCH BOARD RELAYOUT
2. T2 = REV F-P2 ETCH BOARD WITH WIRE INK
3. T3 = REV F-P2 ETCH BOARD, HARDWARE

DD
REV P P P

REVISION HISTORY			CONT. REVISION HISTORY			MADE BY: A. KRAWIECKI			d i g i t a l		
DATE: 09 DEC 83											
ENG	ECO NUMBER	REV	ENG	ECO NUMBER	REV	CHECKED BY: J. FALKOWSKI			TITLE		
--	M8203-MK014	P				DATE: 09 DEC 83 <i>J. Falkowski</i>			DRAWING DIRECTORY		
						DESIGN ENGINEER: R. BLANCHETTE			MULTIDROP LINE UNIT		
						DATE: 09 DEC 83 <i>R. Blanchette</i>					
						RESPONSIBLE ENG: M. LAWRENCE					
						DATE: 09 DEC 83 <i>M. Lawrence RPB</i>					
						PRODUCTION ENG: W. BROOKE			SIZE		
						DATE: 09 DEC 83 <i>W. Brooke RPB</i>			CODE		
									DOCUMENT NUMBER		
									REV.		
									K DD M8203-0 P		
									SHEET 1 OF 1		
									MK		



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-MD-5013292-0-0	5013292-00	DRILL AND ETCH BOARD	1		
2	2		1013466-06	100.0 MMF 50V 5% CER	2		C1,C37
3	3		1013466-18	330.0 MMF 50V 5% CER	1		C2
4	4		1013466-28	1000.0 MMF 50V 5% CER	1		C3
5	5		1013466-30	560.0 MMF 50V 5% CER	1		C4
6	6		1013466-05	56.0 MMF 50V 5% CER	11		C11-C21
7	7		1012784-00	.047 MFD 50V +80-20% CER	41		C22,C26,C63-C100,C108
8	8		1013466-11	.22 MFD 50V +80-20% Z5U CER	18		C23-C25,C27-C29,C43,C46-C56
9	9		1017472-00	10 MFD 35V +50-10% AL EL	15		C30,C31,C57-C62,C102-C107,C109
10	10		1013466-37	1200.0 MMF 50V 5% NPO CER	3		C32,C33,C34
11	11		1013466-01	10.0 MMF 50V 5% CER	2		C35,C39
12	12	BLANK		*** THIS ITEM IS NOT USED ***	-		
13	13		1013466-07	220.0 MMF 50V 5% CER	1		C38
14	14		1013466-24	47.0 MMF 50V 5% CER	2		C40,C41
15	15		1000075-00	25 MFD 25V +75-10% AL EL	1		C45
16	16		1013466-12	2200.0 MMF 50V 10% X7R CER	5		C6-C10
17	17		1100114-00	PIV= 25 IO=135 MA	10		D5-D8,D18-D21,D23,D24
18	18		1109943-00	VZ= 5.1 5% 1 W 1N4733A	1		D3
19	19		1109502-00	VZ= 12.0 10% 1 W 1N4742	1		D4
20	20		1104860-00	VZ= 3.3 5% 400 MW 1N746A	1		D9
21	21		1114136-00	LED 16MA 5V	6		D10-D15
22	22		1102421-00	VZ= 6.2 5% 400 MW 1N753A	2		D16,D17
23	23		1209941-02	PCB,HEADER 40PIN(2X20).100CC 90D	3		J1-J3
24	24		1216988-02	HANDLE,MODULE,HEX TWO EJECTORS	1		
25	25		1211164-06	SW,DIP 10POS/1PST 5VDC100MA F	3		E39,E121,E134
26	26		1215006-08	SKT,IC 40PIN DIP TIN SOLD	1		XE111
27	27		1300365-00	1.0 K .25 W 5.0 % CF	51		R1-R23,R27-R36,R92,R98,R103, R132-R143,R146-R148 R24-R26,R37,R39-R44
28	28		1300271-00	220.0 .25 W 5.0 % CF	10		
29	29		1303179-00	*** THIS ITEM IS NOT USED ***	-		

REVISION HISTORY			BASIC PART NO: M8203		DRN: A. KRAWIECKI		DATE: 09-DEC-83		D I G I T A L				
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: J. FALKOWSKI		DATE: 09-DEC-83		TITLE		PARTS LIST		
PA	M8203-MK003A/3B	H	SECTION VARIATION INDEX		CHK'D: J. FALKOWSKI		DATE: 09-DEC-83		MULTIDROP LINE UNIT				
PH	M8203-MK004	J	[A] 00		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
PH	M8203-MK005	K	[B]		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
PH	M8203-MK006	L	[C]		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
FB	M8203-MK007	M	[D]		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
FB	M8203-MK008	N	[E]		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
FB	M8203-MK009	P	[F]		R. Blanchette		3 JAN-84		DOCUMENT NUMBER				
ML	M8203-MK012	R	[H]		J. Pelletier		3 JAN-84		DOCUMENT NUMBER				
BB	M8203-MK013	S	[J]		J. Pelletier		3 JAN-84		DOCUMENT NUMBER				
ML	M8203-MK014	T	[K]		J. Pelletier		3 JAN-84		DOCUMENT NUMBER				
			[L]										
			[M]										
			[N]										
ASSEMBLY NUMBER:					TOP DOCUMENT NUMBER:					FILE NAME:			EDIT #
D-UA-M8203-0-0					K-DD-M8203-0					MK0480.PLS			37

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AUTOMATED BY PRTLST.3L(36)

PARTS LIST

SHEET A2 OF A4

QTY PER VARIATION
00

REFERENCE DESIGNATOR

LINE	ITEM	DOCUMENT	NUMBER
------	------	----------	--------

PART NUMBER

DESCRIPTION

30	30		1300447-00
31	31	BLANK	
32	32		1300432-00
33	33		1300247-00
34	34		1300228-00
35	35		1300255-00
36	36		1313598-00
37	37		1300347-00
38	38		1313842-00
39	39		1302886-00
40	40		1309418-00
41	41		130250-00
42	42		1302308-00
43	43		1302378-00
44	44		1313077-00
45	45		1300426-00
46	46		1300479-00
47	47		1302389-00
48	48		1311522-00
49	49		1300168-00
50	50		1300444-00
51	51		1300496-00
52	52		1300391-00
53	53		1302466-00
54	54		1515018-00
55	55		1501881-00
56	56		1509338-00
57	57		1503409-00
58	58		1516150-00
59	59		1602723-00
60	60		1612946-01
61	61		1616045-00
62	62		1616303-00
63	63		1811660-00
64	64		1914214-00
65	65		1913462-00
66	66		1911675-00
67	67		1912863-00
68	68		1912697-00
69	69		1910534-00
70	70		1912824-00
71	71		1912849-00
72	72		1913294-00
73	73		1910956-00
74	74		1912847-00
75	75		1910548-00
76	76		1915193-00

4.70 K	.25 W 5.0 %	CF	9
*** THIS ITEM IS NOT USED ***			-
3.0 K	.25 W 5.0 %	CF	3
120.0	.25 W 5.0 %	CF	6
100.0	.50 W 5.0 %	CF	1
150.0	1.0 W 5.0 %	CC	2
32.40 K	.25 W 1.0 %	RN55D-F10	4
680.0	.50 W 5.0 %	CF	1
48.70 K	.25 W 1.0 %	RN55D-F10	2
10.0 K	.25 W 1.0 %	RN55C-F 5	7
24.30 K	.25 W 1.0 %	RN55D-F10	1
150.0	.25 W 5.0 %	CF	2
68.0	2.0 W 5.0 %	CC	1
51.0	.50 W 5.0 %	CF	1
12.80 K	.25 W .10%	RN55E-B 2	2
2.70 K	.25 W 5.0 %	CF	1
10.0 K	.25 W 5.0 %	CF	2
4.30 K	.25 W 5.0 %	CF	2
200.0	.25 W 5.0 %	CF	2
10.0	.50 W 5.0 %	CF	4
3.90 K	.25 W 5.0 %	CF	1
15.0 K	.25 W 5.0 %	CF	2
1.50 K	.25 W 5.0 %	CF	1
100.0 K	.25 W 5.0 %	CF	1
2N 2905A	PNP 600MW SI 40 100		1
DEC2219	NPN 3WC SI 30100		1
DEC6531B	NPN 310MW SI 40 90 P		2
DEC6534D	PNP 310MW SI 40 90		1
VN 35AK	FET 50MW		6
1000	UH 10% 125MA		2
33.0	UM 10% Q MIN=4502.5MHZ		2
XFMR,PULSE,RATIO	1:1,1500PV		1
PULSE XFMR,RATIO	1:1:1		1
OSCILLATOR, XTAL	20.000 MHZ		1
LS374	FF-D OCTAL EDGE TRIG		13
74S240	OCTAL BUFFER,INVERTI		2
74S138	DECODER/DEMUX 3-8 LI		3
LS273	FF-D OCTAL W/CLEAR		6
LS174	FF-D HEX W/CLEAR		2
74S04	INVERTER GATE-HEX 1I		1
LS74	FF-D DUAL,EDGE TRIGG		7
LS161	COUNTER,SYNCHR,4BIT		1
93S16	COUNTER,SYNCH UP BIN		3
74S151	MUX 1 OF 8		1
LS157	MUX 1 OF 2(QUAD)		2
74S157	MUX 1 OF 2(QUAD)		1
LS244	DRIVER,LINE,OCTAL,T		9

R56-R61,R87,R104,R105
R68,R69,R114
R70-R72,R144,R145,R149
R73
R75,R76
R88,R91,R110,R111
R151
R93,R94
R95,R96,R108,R113,R117,R89,R90
R97
R100,R101
R106
R107
R109,R112
R116
R125,R130
R119,R124
R152,R153
R120-R123
R126
R127,R129
R128
R131
Q2
Q1
Q3,Q4
Q5
Q6-Q11
L1,L2
L3,L4
T2
T1
E5
E86,E88,E109,E122,E123,E125,
E126,E128-E133
E74,E97
E59,E108,E119
E58,E66,E87,E90,E91,E94
E92,E96
E17
E4,E62,E63,E68,E80,E84,E118
E27
E7,E8,E16
E26
E46,E95
E120
E64,E65,E89,E98,E99,E101,E110,

D	I	G	I	T	A	L	TITLE	MULTIDROP LINE UNIT	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M8203-0-0	T

AUTOMATED BY PRTLST.3L(36)

PARTS LIST

SHEET A3 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
77	77		1912816-00	LS32 OR GATE-QUAD 2IN,POS	4	CONT	E112,E113
78	78		1913777-00	LS240 DRIVER,LINE,OCTAL,T	4		E20,E51,E81,E83
79	79		1915125-00	3691 DRIVER,QUAD,EIA RS-	2		E28,E50,E52,E93
80	80		1912742-00	75112 DRIVER,DUAL LINE	1		E37,E53
81	81		1915851-00	26LS31 DRIVER,QUAD,EIA RS	1		E13
82	82		1915694-00	3692 DRIVER,QUAD,EIA RS-4	1		E23
83	83		1915123-02	26LS32-2 RECEIVER,LINE,12K T	3		E24
84	84		1914091-00	3603 RECEIVER,LINE,DUAL	3		E38,E54,E55
85	85		1910550-00	74S174 FF-D HEX	2		E1,E14,E15
86	86		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	7		E77,E78
87	87		1910741-00	7406 INVERTER GATE-HEX 1I	1		E9,E10,E18,E35,E47,E61,E11
88	88		1912805-00	LS08 AND GATE-QUAD 2IN,PO	6		E67
89	89		1912808-00	LS11 AND GATE-TRIPLE 3IN	3		E31,E33,E60,E72,E79,E82
90	90		1912821-00	LS54 A-O-I GATE,3-2-2-3IN	1		E69,E105,E117
91	91		1910536-00	74S10 NAND GATE-TRIPLE 3IN	2		E85
92	92		1912801-00	LS02 NOR-GATE-QUAD 2IN	1		E48,E106
93	93		1910537-00	74S11 AND GATE-TRIPLE 3INP	1		E73
94	94		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	1		E49
95	95		1911712-00	74S51 AND-OR GATE-INVERT D	2		E43
96	96	BLANK		*** THIS ITEM IS NOT USED ***	-		E32,E44
97	97		1912850-00	LS164 SHIFT REG. 8BIT SERI	3		E21,E30,E42
98	98		1910735-02	318 OP AMP	3		E2,E6,E3
99	99		1910532-00	74S00 NAND GATE-QUAD 2IN	2		E12,E34
100	100		1910545-00	74S112 FF-JK DUAL,EDGE TRIG	2		E19,E25
101	101		1912803-00	LS04 INVERTER GATE,HEX	1		E22
102	102		1912853-00	LS175 FF-D QUAD	1		E29
103	103		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2		E70,E71
104	104		2111188-01	3341-01 64X4 FIFO MEMORY	6		E102-E104,E114-E116
105	105		2112517-01	RECIEVER/TRANSMITTER	1		E111
106	106		2304381-00	B1-01	1		E41
107	107		2303881-00	B1-01	1		E100
108	108		23036F1-00	F1-01	1		E76
109	109		23037F1-00	F1-01	1		E75
110	110		2304281-00	B1-01	1		E57
111	111		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	8		W7-W10,w12,w13,w17,w18
112	112		9009000-00	EYELET,ROLLED 0.1210DX0.156	10		
113	113		1013466-31	15.0 MMF 50V 5% CER	1		C42
114	114		1301890-00	560.0 .25 W 5.0 % CF	2		R85,R86
115	115		1101938-00	VZ= 2.4 5% 400 MW 1N4370A	1		D22
116	116		1301422-00	7.50 K .25 W 5.0 % CF	11		R45-R55
117	117		1209941-03	PC8,HEADER LATCH	2		
118	118		1209941-04	PC8,HEADER LATCH	2		
119	119		1316115-00	35.70 .25 W 1.0 % RN55D-F10	4		R81-R84
120	120		1316736-00	374.0 .25 W 1.0 % RN55D-F10	4		R77-R80
121	121		1312928-00	51.0 .25 W 5.0 % CF	6		R62-R67
122	122	BLANK	9007201-00	*** THIS ITEM IS NOT USED ***	-		
123	123		1914082-00	74S163 COUNTER,SYNCH UP/DOW	1		E56

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MULTIDROP LINE UNIT			K	PL	M8203-0-0	T

AUTOMATED BY PRTLST.3L(36)

PARTS LIST

SHEET A4 OF A4

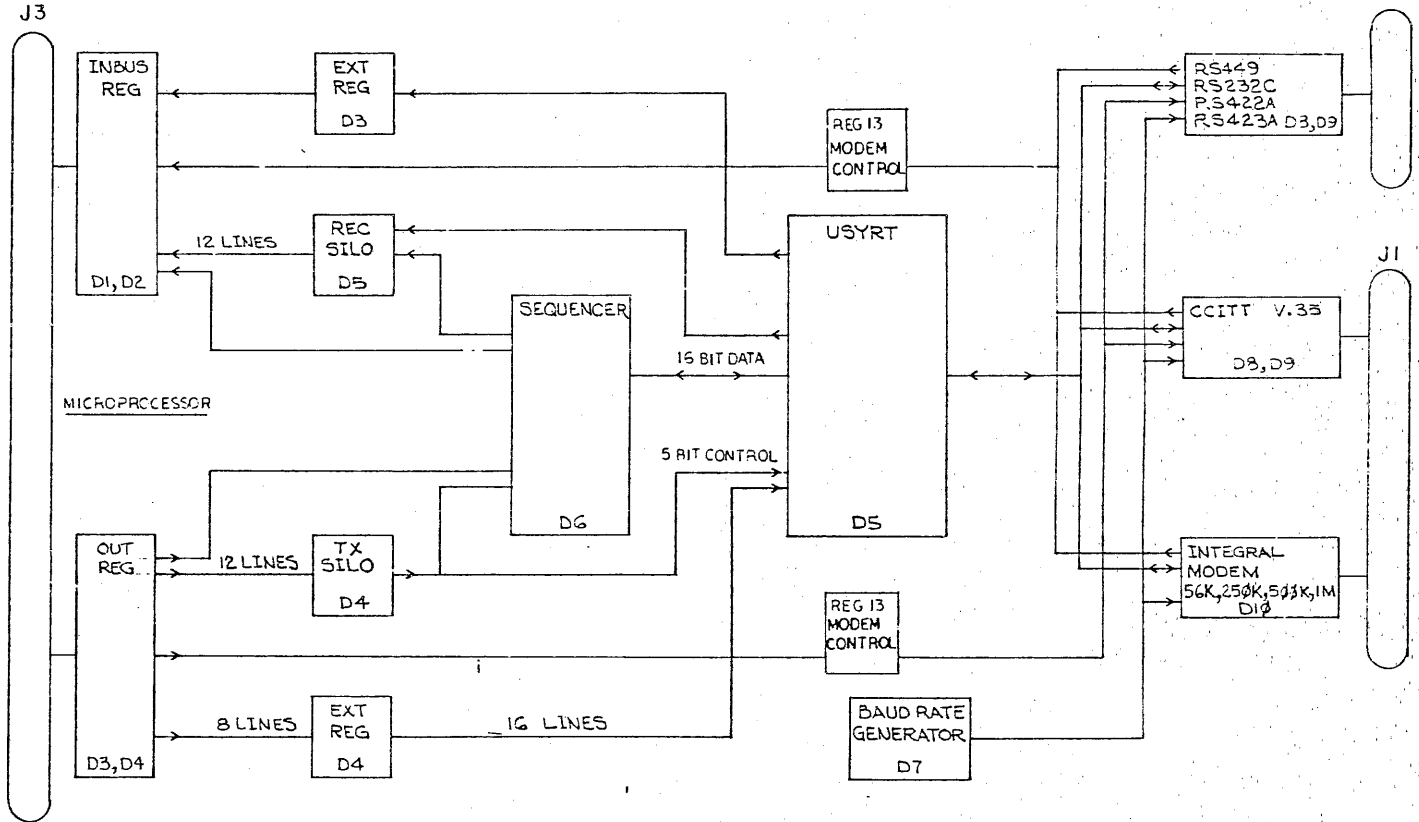
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
124 124	BLANK	9105740-55	*** THIS ITEM IS NOT USED ***	00	-

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MULTIDROP LINE UNIT		K	PL	M8203-0-0	T

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WRITE OUT REG								READ INBUS REG							
7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0
TRANSMIT DATA SILO								RECEIVER DATA SILO							
10								10	OC						
11	OC				GOAH	ABORT	EOM	SOM	11	OC	OACT	SW	ORDY	SW	SV' UNDR
12	IC	BPCLL	LULP						12	IC	IACT	LULP	IRDY	OVR	RAB
13	POLL	DTR	SEL FREQ	HDX	MAINT 1	MAINT 2	SEL STBY		13	RING	DTR	RS	HDX	MODR	CS
14		TXU ENA ***	DISSI	RDX	WAX	ENAX	AX2	AX1	14	RDY	TXU ENA ***	DISSI	RDX	WAX	ENAX
15	LOW BYTE EXT REG								15	SWITCH PACK (x) / LOW BYTE EXT					
16	HI BYTE EXT REG								16	SWITCH PACK (y) / HI BYTE EXT					
17	CRC TYPE	IDLE	SECA	STRIP	RDALL	ERR	DDCMP		17	SIG Q	SIGR	SI	OCOR	ICIR	TEST MODE
AX0-15	NOT USED									RECEIVER DATA USYRT					
AX0-16	NOT USED									RERR	EITS	ASSEMB	ROR	RAB	REOM
AX1-15	TRANSMIT DATA USYRT									TRANSMIT DATA USYRT					
AX1-16					TXGA	TXAB	TEOM	TSOM		TERR			TXGA	TXAB	TEOM
AX2-15	SYNC CHARACTER									SYNC CHARACTER					
AX2-16	NOT USED									APA	DDCMP	STRIP	SECA	IDLE	CRC TYPE
AX3-15	422	XYZ		V.35	INT	CR32 **EN	0	TEST		422	XYZ	CR32 **EN	V.35	INT	CR32 **EN
AX3-16	TX CH LENGTH			TX CH LENGTH	RX CH LENGTH	REC CH LENGTH				TX CH LENGTH			TX CH LENGTH	RX CH LENGTH	REC CH LENGTH

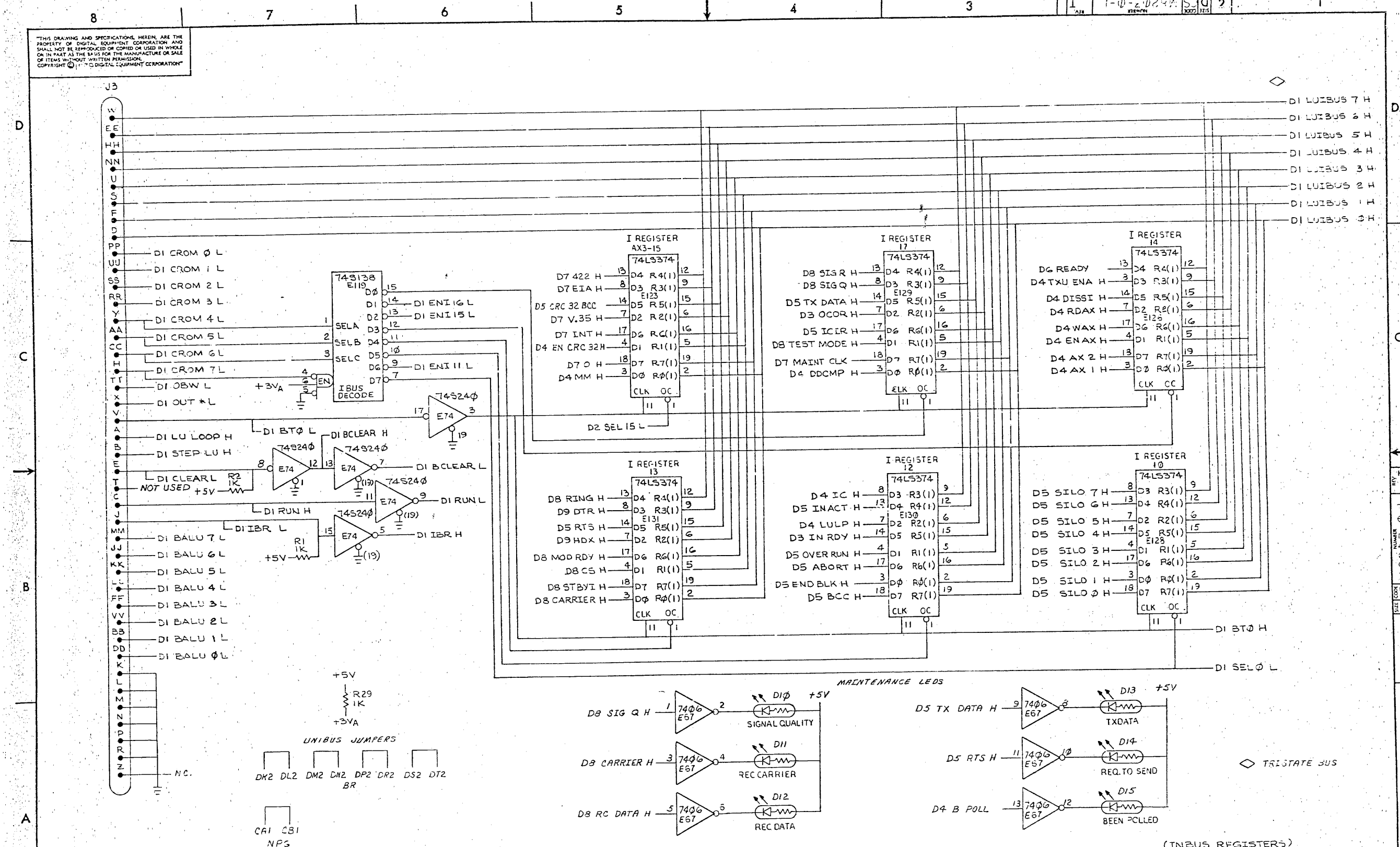
- NOTES:
- AX REGISTERS ARE INDIRECTLY ADDRESSED BY USING AX1+AX2 FOR ADDRESS, WAX FOR WRITE, RDX FOR READ, REGISTERS 15 + 16 FOR DATA, ENAX GOING TO A ONE TO START THE OPERATION AND RDY TO TELL WHEN THE OPERATION IS COMPLETE.
 - BIT MAP AS SEEN BY THE DMR11 AND DMP11 MICRO PROCESSOR.
 - DELETED.
 - ** OPTIONAL WHEN CRC32 CHIP IS INSTALLED.
 - *** BIT 6 OF REG 14 IS DEFINED DIFFERENTLY DEPENDING ON THE STATE OF BITS:
BIT 5=0 BIT 6 WILL LOCK RATS ON.
BIT 5=1 BIT 6 WITH ENABLE USYRT TRANSMITTER.



REV.	CHANGE NO.	REV.	CHANGE NO.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
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92	92	92	92
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97	97	97	97
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99	99	99	99
100	100	100	100

DRN. S. S. 12-3-78	FIRST USED ON	DMP11-AD	digital
CHK'D. 12-3-78	ENG. 12-3-78	PROJ. ENG. 12-3-78	PROD. 12-3-78
TITLE			
MULTI DROP LINE UNIT			
NEXT HIGHER ASSY.			
K-DD-M8203-8	SIZE CODE	NUMBER	REV.
SCALE NONE	D CS	M8203-0-1	1
SHEET 1 OF 15	DIST.		

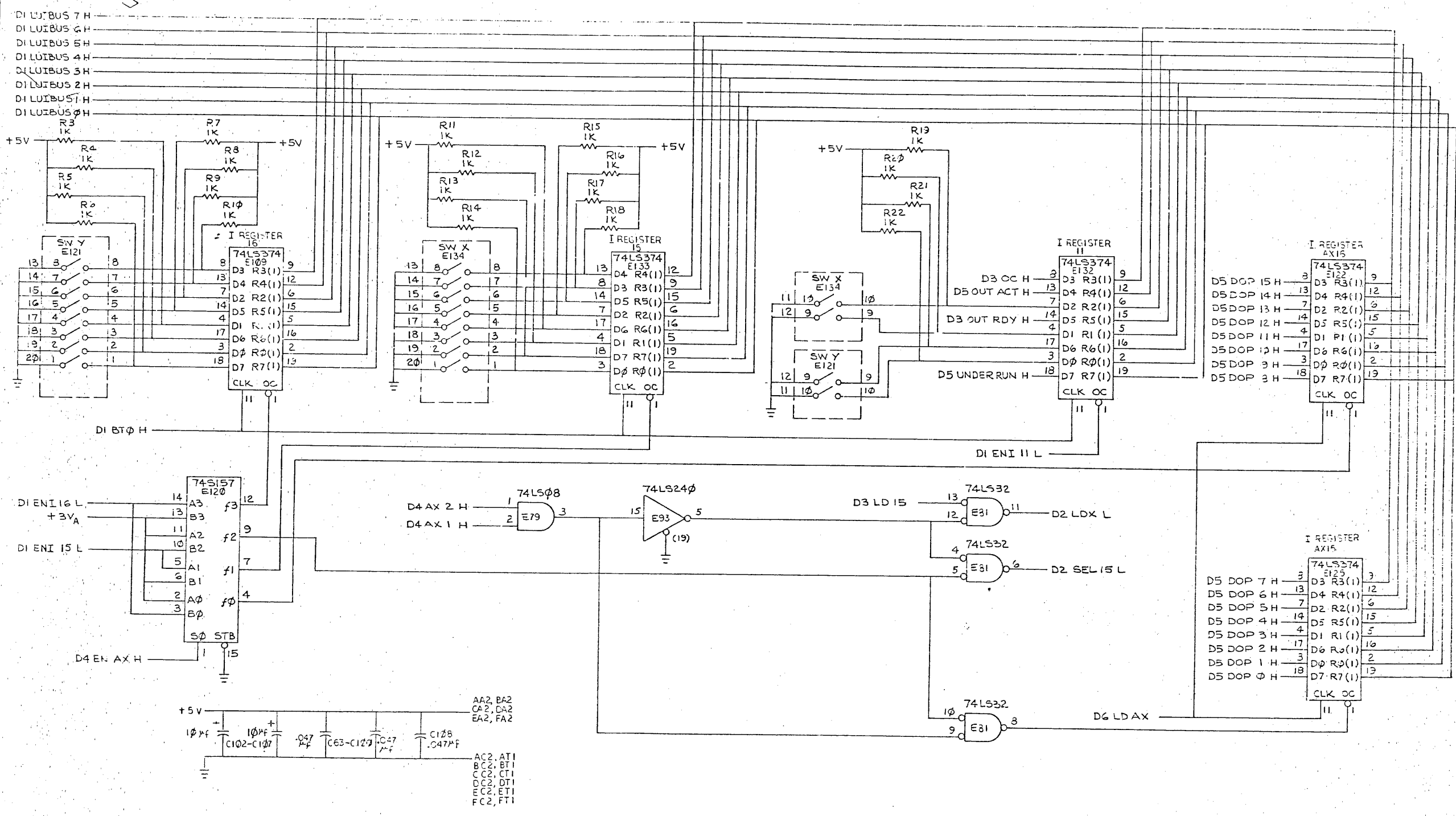
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REVISIONS			TITLE					SIZE CODE		NUMBER		REV.
CHK	CHANGE NO.	REV.	MULTI DROP LINE UNIT DI					DCS M8203-0-1		T		
								SCALE		SHEET 3 OF 15		MK
										DIST.		

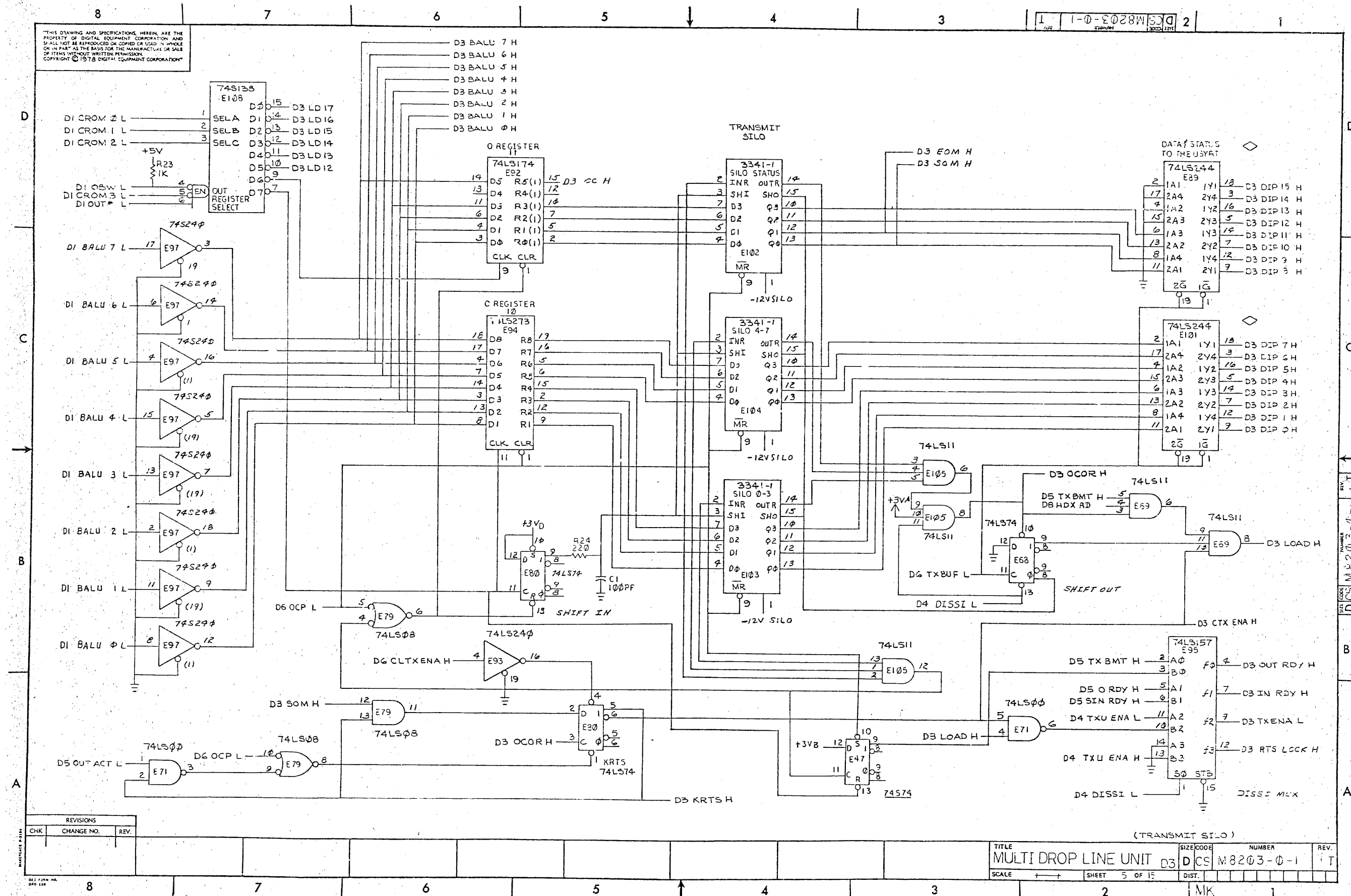
DEC'TORIAL NO. ORD 124		8	7		6		5		4		3		2		1
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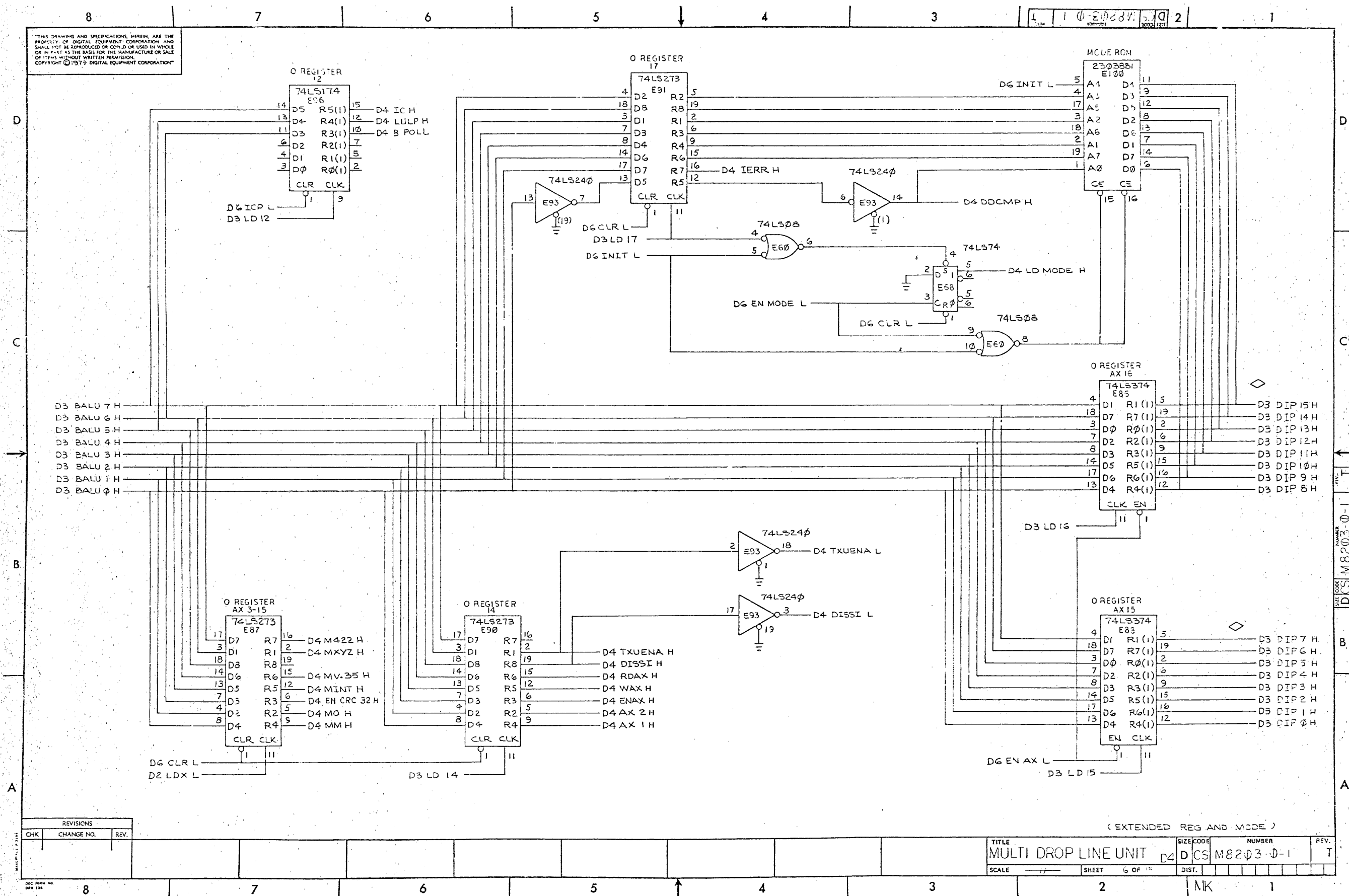
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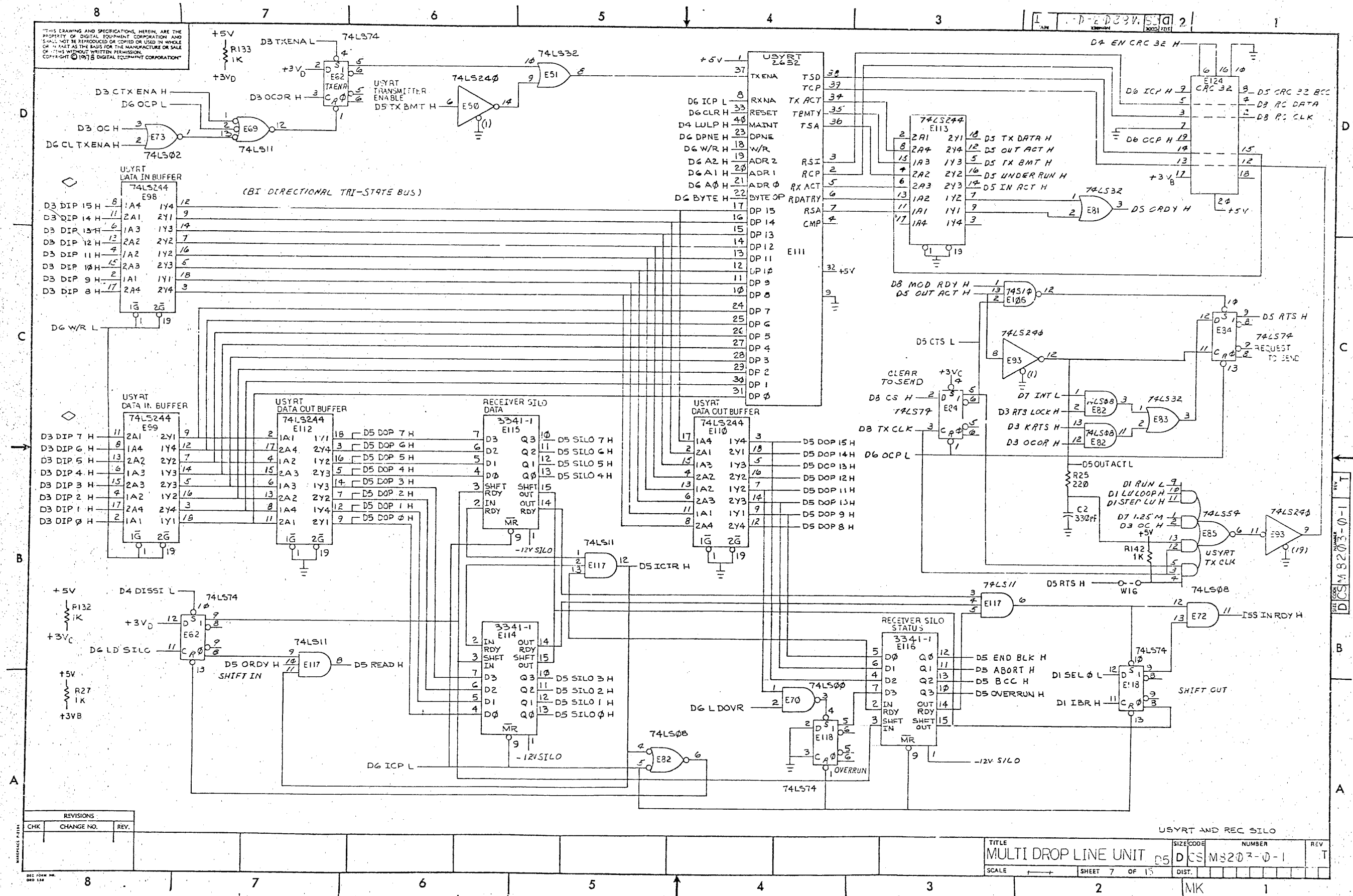


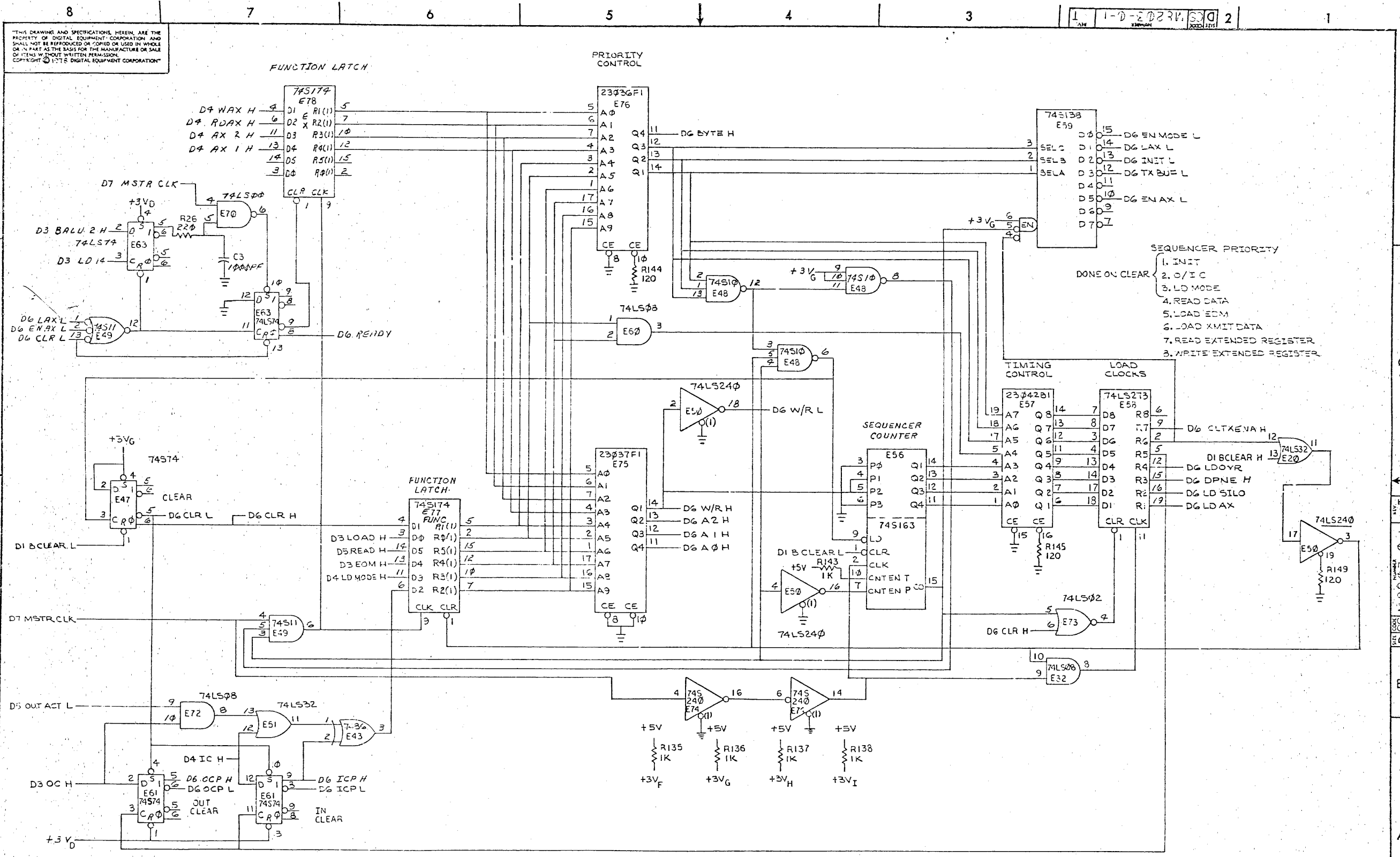
REVISIONS		
CHK	CHANGE NO.	REV.

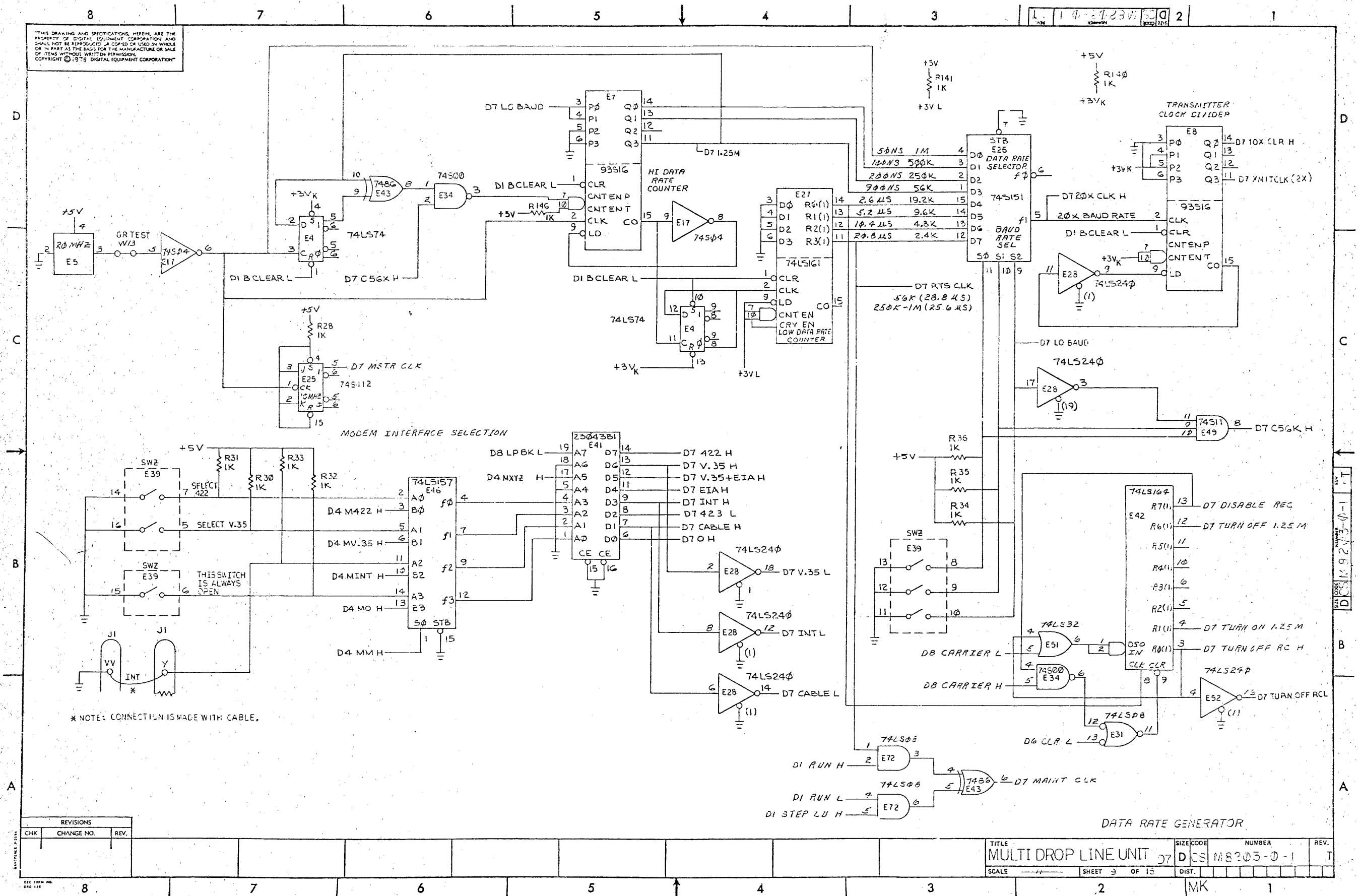
TITLE		SIZE CODE	NUMBER	REV.
MULTI DROF LINE UNIT D2		DCS	M8203-0-1	T
SCALE	SHEET	4 OF 15	DIST.	

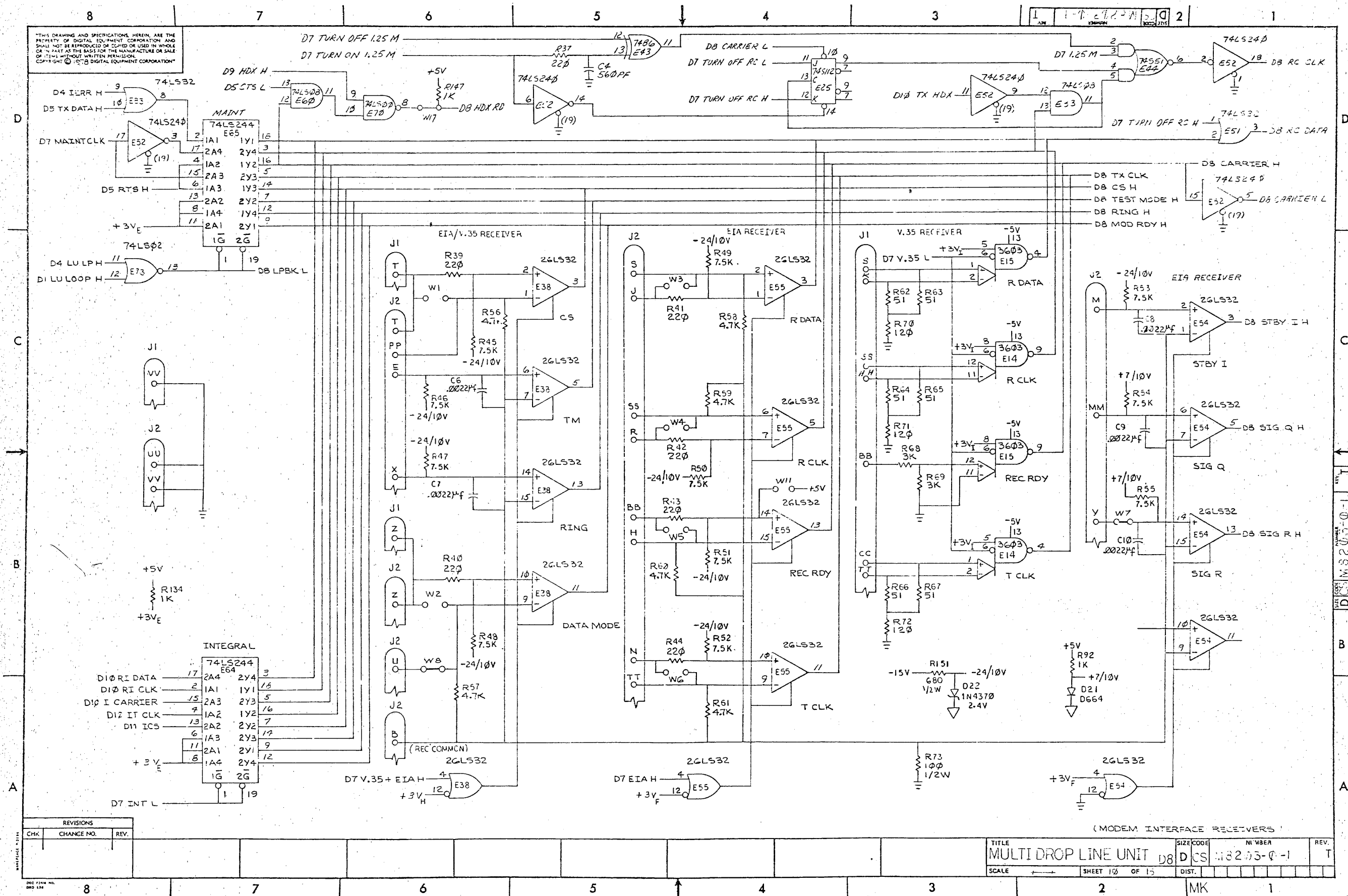




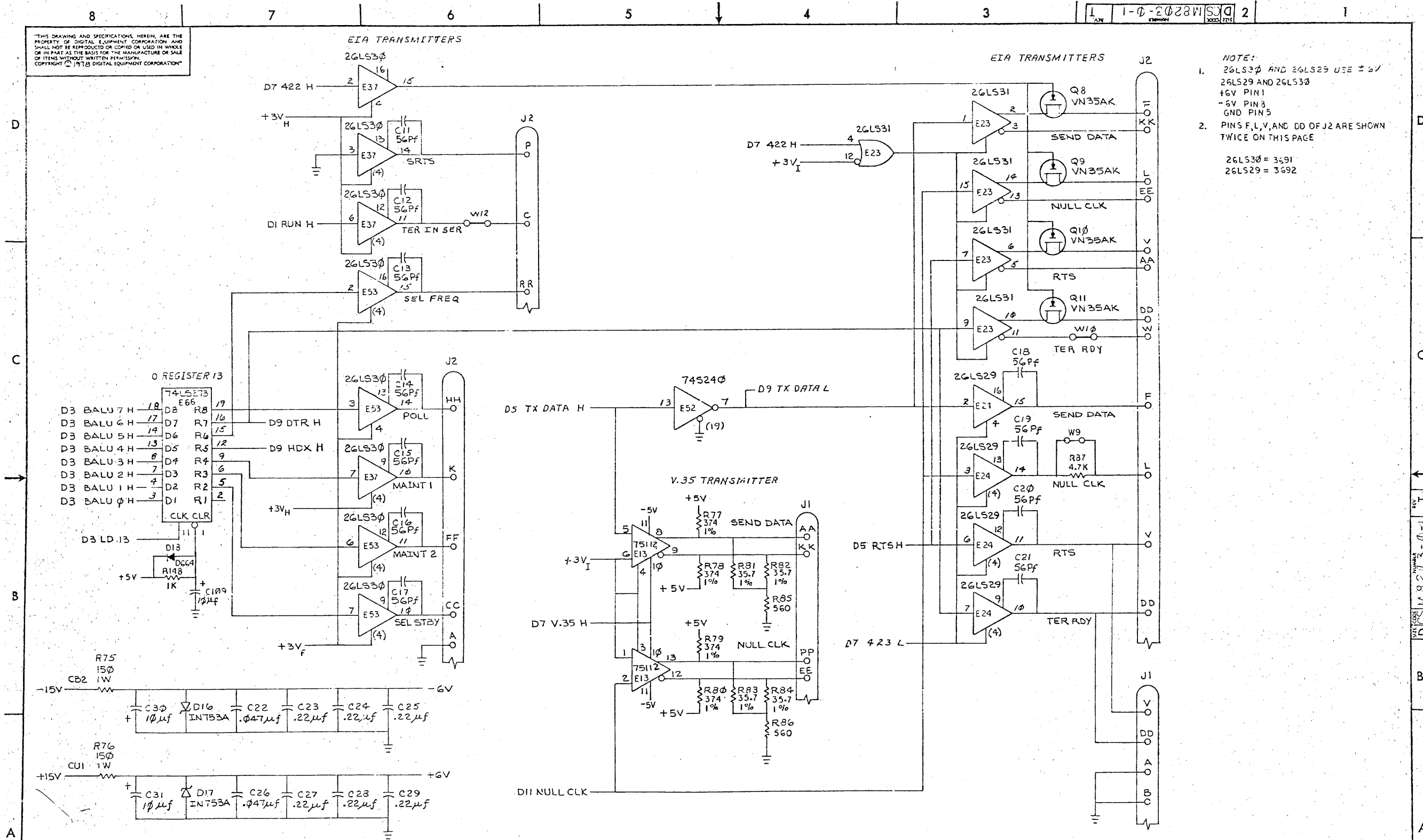








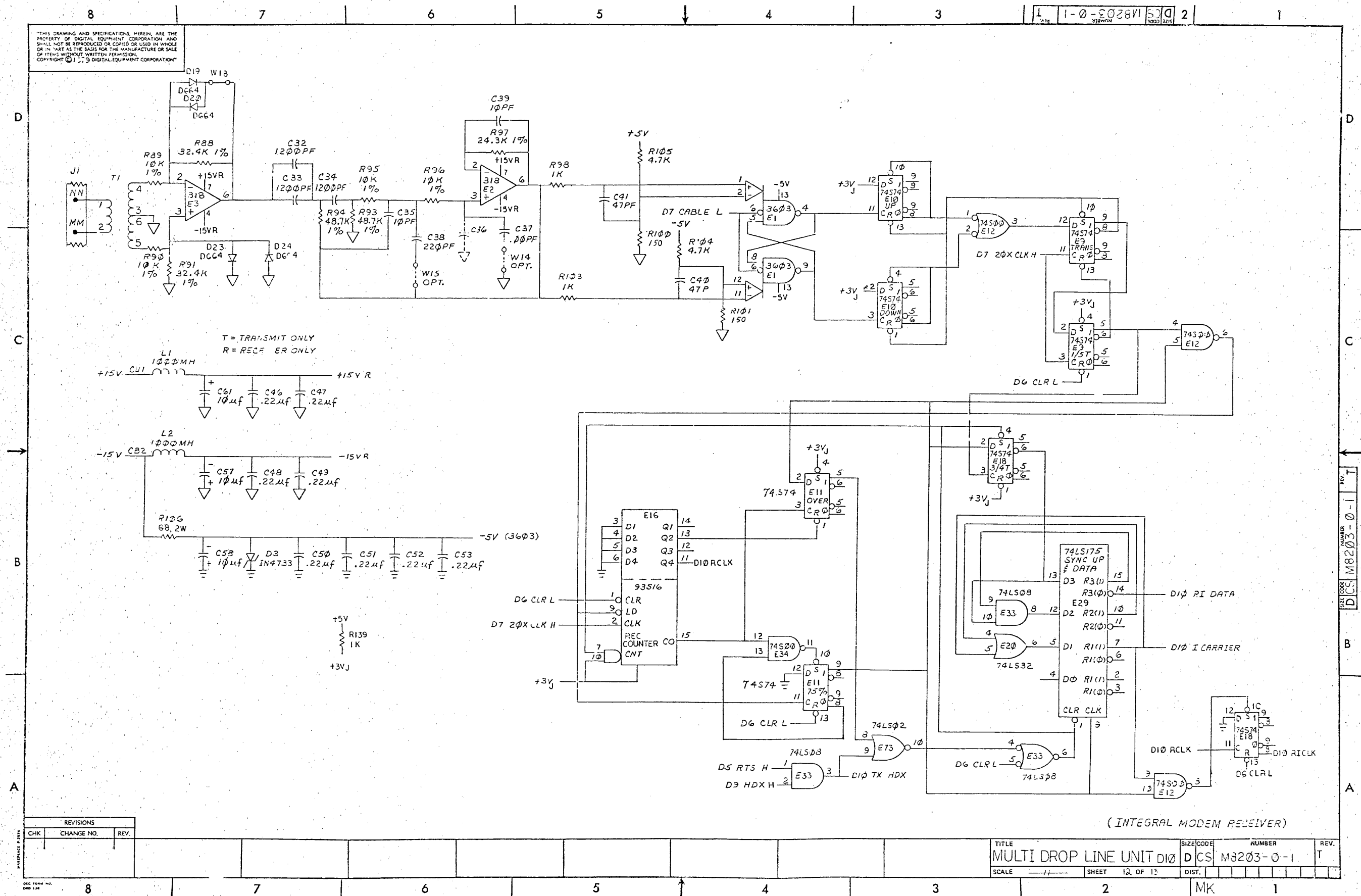
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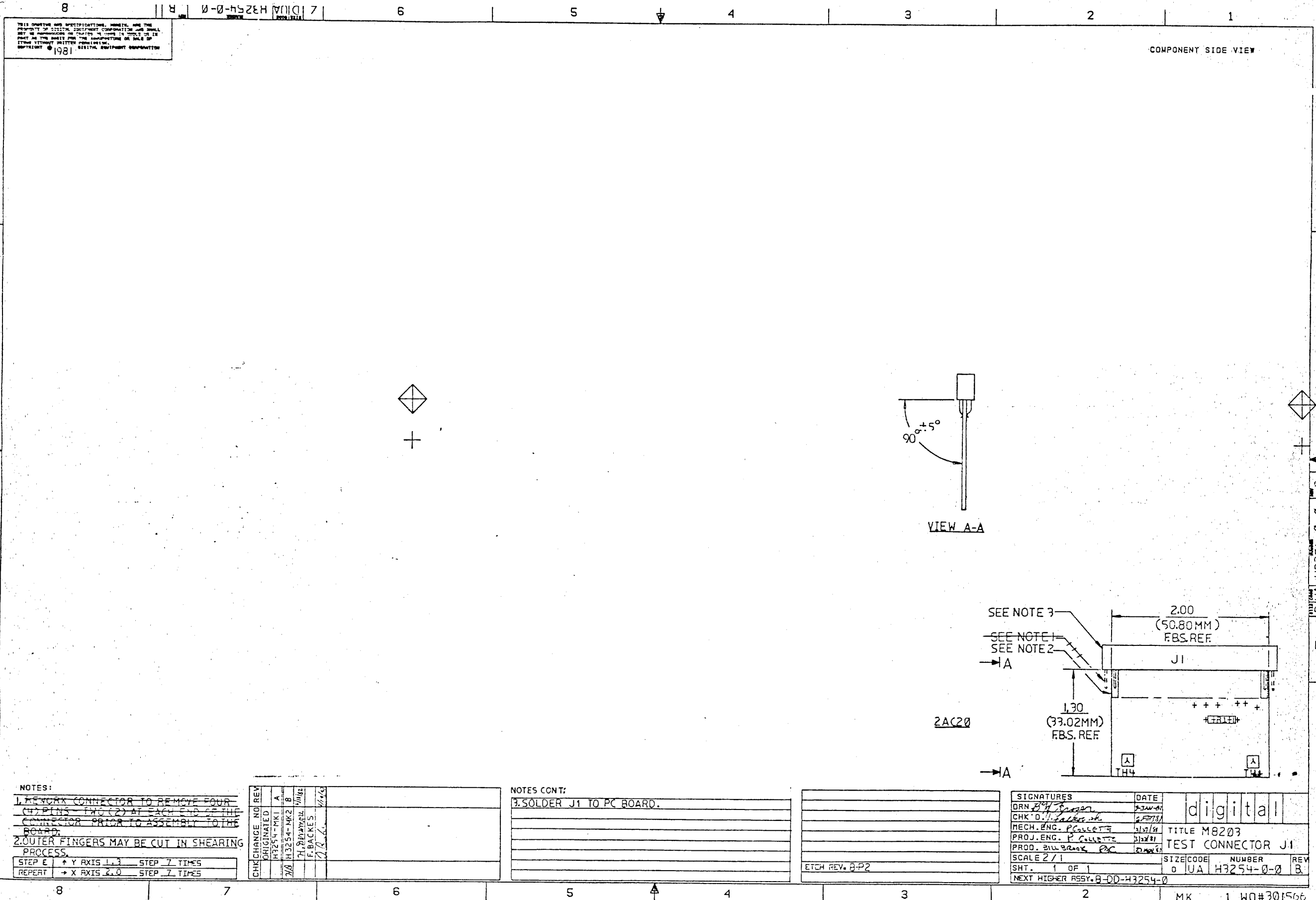


- NOTE:
- 26LS30 AND 26LS29 USE $\pm 6V$
26LS29 AND 26LS30
+6V PIN1
-6V PIN3
GND PIN5
 - PINS F, L, V, AND DD OF J2 ARE SHOWN
TWICE ON THIS PAGE
- 26LS30 = 3691
26LS29 = 3692

(MODEM INTERFACE DRIVERS)

REVISIONS			TITLE		SIZE CODE	NUMBER	REV.
CHK	CHANGE NO.	REV.	MULTI DROP LINE UNIT		DCS	M8203-0-1	T
			SCALE		SHEET 11	OF 15	





NOTES:

1. AS WORK CONNECTOR TO REMOVE FOUR (4) PINS TWO (2) AT EACH END OF THE CONNECTOR PRIOR TO ASSEMBLY TO THE BOARD.

2. OUTER FINGERS MAY BE CUT IN SHEARING PROCESS.

STEP	Y AXIS	STEP	Z TIMES
STEP E	1.3	STEP 7	TIMES
REPEAT	X AXIS 2.0	STEP 7	TIMES

CHK	CHANGE	NO	REV	ORIGINATED	DATE	BY	CHK'D	DATE	BY
				H3254-PK1	A				
				H3254-PK2	B				
				71.20.0002	1/1/81				
				F. BACKES					
				71.20.0002	1/1/81				

NOTES CONT:

3. SOLDER J1 TO PC BOARD.

ETCH REV. B-P2

SIGNATURES		DATE	digital	TITLE M8203 TEST CONNECTOR J1
DRN <i>P. J. J.</i>		3/24/81		
CHK'D <i>J. J. J.</i>		3/24/81		
MECH. ENG. <i>P. J. J.</i>		3/24/81		
PROJ. ENG. <i>P. J. J.</i>		3/24/81		
SCALE 2/1		SIZE CODE	NUMBER	REV
SHT. 1 OF 1		0 UA	H3254-0-0	B
NEXT HIGHER ASSY. B-DD-H3254-0				