

digital

RK8J-E

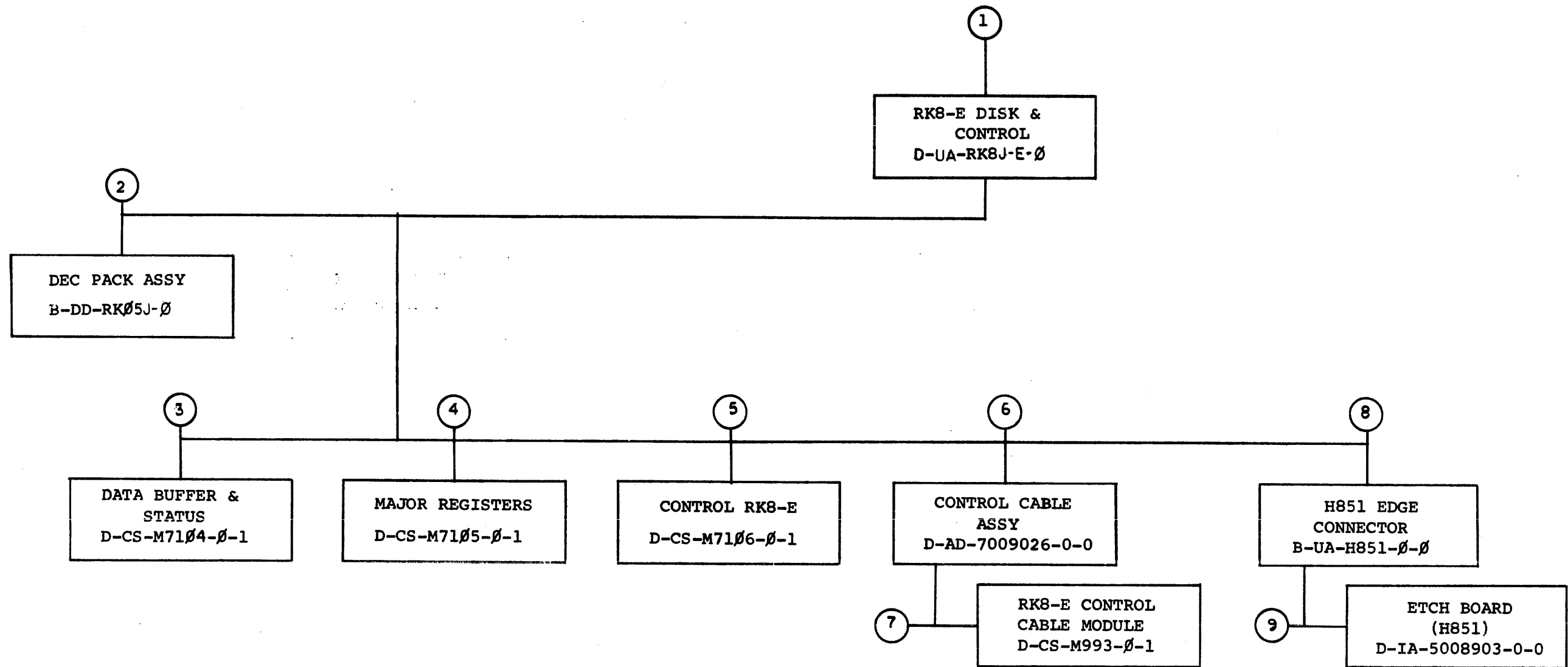
Engineering Drawings

Digital Equipment Corporation

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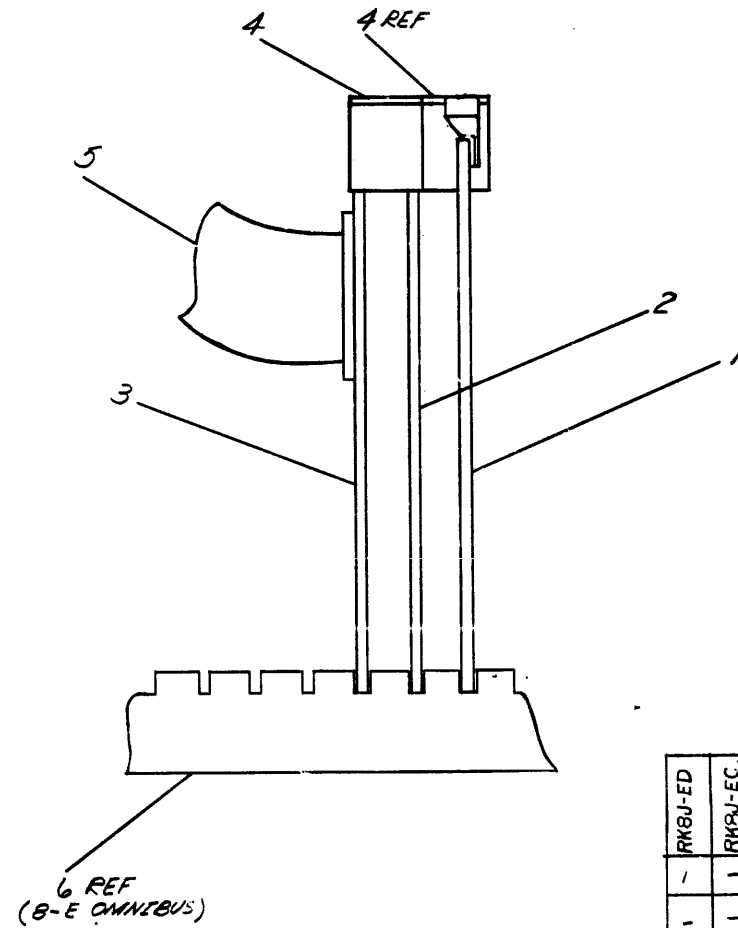
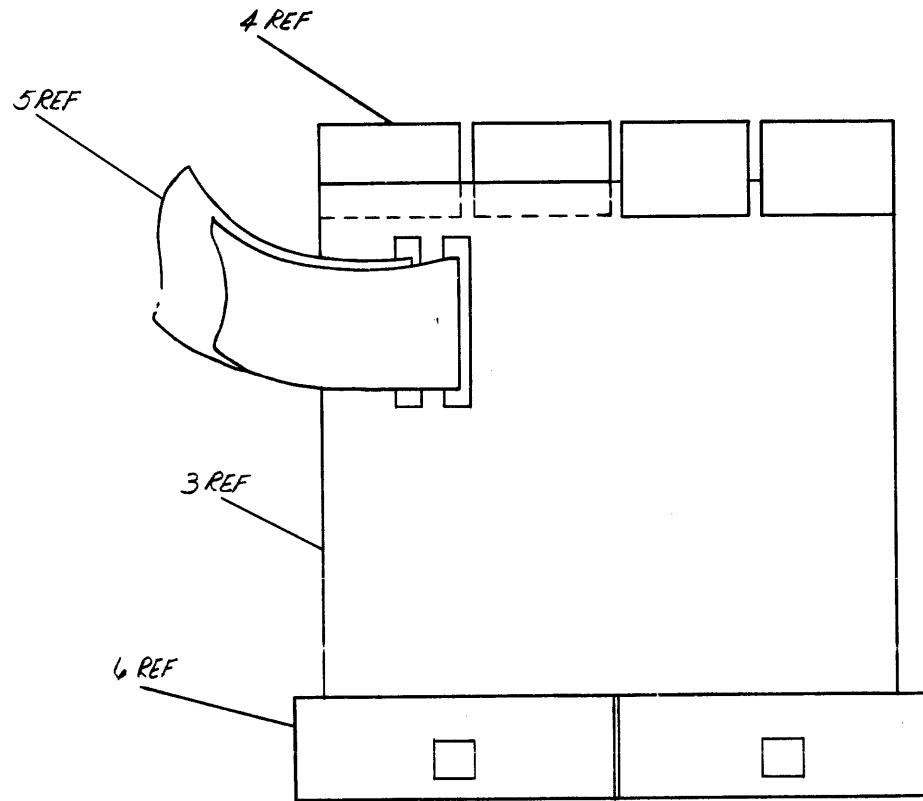
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TITLE	SIZE	CODE	NUMBER	REV
RK8J-E DISK & CONTROL	B	DD	RK8J-E	B

CUSTOMER PRINT SET				MECHANICAL/ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL/ELECTRICAL								
				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE					MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
											x			6		D-AD-7009026-0-0	#	2	CONTROL CABLE ASSY,		
											x			7		D-CS-M993-Ø-1	#	2	RK8-E CONTROL CABLE MODULE		
																K-CO-M993-Ø-4		1	X-Y COORDINATE HOLE LOCATION		
																D-AH-M993-Ø-5		1	ASSY/DRILLING HOLE LAYOUT		
																B-MH-M993-Ø-6		1	MODULE ECO HISTORY		
x					1	D-UA-RK8J-E-Ø	A	1	RK8J-E DISK & CONTROL												
x						D-FD-RK8-E-1	A	4	FLOW DIAGRAM RK8-E												
x						D-TD-RK8-E-2	A	1	MAJOR STATES & TIMING FLOW												
x						A-AL-RK8-E-3	A	1	ACCESSORY SHIPPING LIST					8		B-UA-H851-Ø-Ø		1	H851 EDGE CONNECTOR		
						A-SP-RK8-E-4		3	MODULE TEST & ACCEPTANCE FOR RK8-E							A-PL-H851-Ø-Ø		1	H851 EDGE CONNECTOR		
						A-SP-RK8-E-5		39	RK8E DISK CONTROL		x					B-CS-H851-Ø-1	#	1	EDGE CONNECTOR H851		
x						A-SP-RK8-E-6		5	FIELD INSTALL & ACCEPT. PROC.							C-AH-H851-Ø-5		1	ASSY/DRILLING HOLE LAYOUT		
						A-SP-RK8-E-7		5	IN-HOUSE ACCEPT. PROC.							B-MH-H851-Ø-6		1	MODULE ECO HISTORY		
x					2	B-DD-RKØ5J-Ø	#	5	DEC PACK ASSY												
x					3	D-CS-M71Ø4-Ø-1	#	7	DATA BUFFER & STATUS					9		D-IA-5008903-0-0		1	ETCH BOARD (H851)		
						K-CO-M71Ø4-Ø-4		1	X-Y COORDINATE HOLE LOCATION							C-AH-5008903-0-5		1	ASSY/DRILLING HOLE LOCATION		
						D-AH-M71Ø4-Ø-5		1	ASSY/DRILLING HOLE LAYOUT												
						B-MH-M71Ø4-Ø-6		1	MODULE ECO HISTORY												
x					4	D-CS-M71Ø5-Ø-1	#	5	MAJOR REGISTERS												
						K-CO-M71Ø5-Ø-4		1	X-Y COORDINATE HOLE LOCATION												
						D-AH-M71Ø5-Ø-5		1	ASSY DRILLING HOLE LAYOUT												
						B-MH-M71Ø5-Ø-6		1	MODULE ECO HISTORY												
x					5	D-CS-M71Ø6-Ø-1	#	6	CONTROL RK8-E												
						K-CO-M71Ø6-Ø-4		1	X-Y COORDINATE HOLE LOCATION												
						D-AH-M71Ø6-Ø-5		1	ASSY/DRILLING HOLE LAYOUT												
						B-MH-M71Ø6-Ø-6		1	MODULE ECO HISTORY												
CUSTOMER PRINT SET CODES				X = PRINT OF DOCUMENT INCLUDED IN PRINT SET ** = LATEST AVAILABLE REVISION C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED							TITLE RK8J-E DISK & CONTROL			SHEET 3 OF 3		SIZE B	CODE DD	NUMBER RK8J-E		REV B	

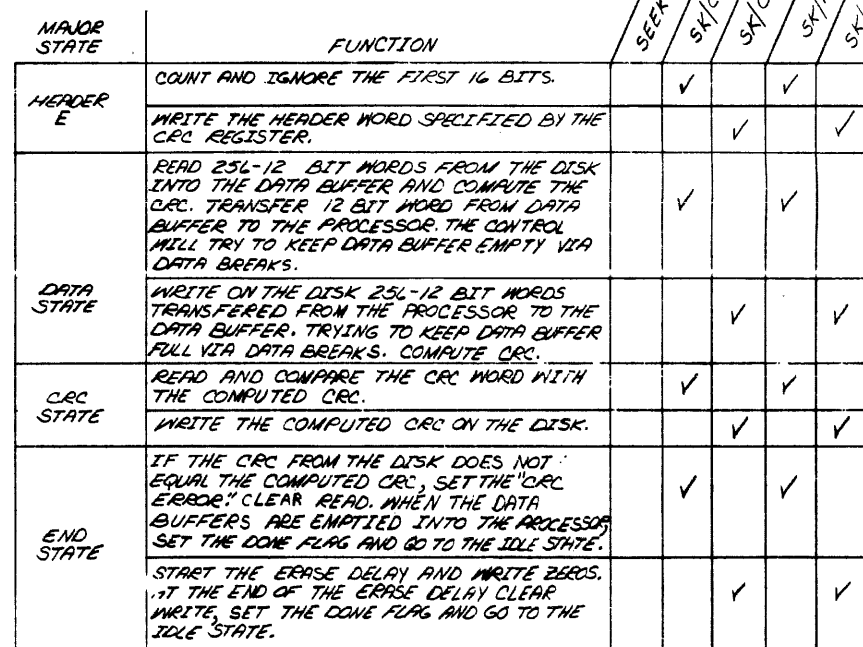
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RK8J-ED	RK8J-EC	RK8J-EB	RK8J-EA	RK8J-E		
1	1	1	1	1	DEC PACK DISK DRIVE 230 VAC 50 HZ	D-UA-RK8J-5B-09
1	1	1	1	1	DEC PACK DISK DRIVE 230 VAC 60 HZ	D-UA-RK8J-5B-09
1	1	1	1	1	DEC PACK DISK DRIVE 115 VAC 50 HZ	D-UA-RK8J-5B-07
1	1	1	1	1	DEC PACK DISK DRIVE 115 VAC 60 HZ	D-UA-RK8J-5B-06
1	1	1	1	1	M993 TO BERG	D-AD-700926-00
4	4	4	4	4	EDGE CONNECTOR	B-UA-H857-0-0
1	1	1	1	1	CONTROL, RK8-E	D-CS-M7106-01
1	1	1	1	1	MAJOR REGISTERS	D-CS-M7105-0-1
1	1	1	1	1	DATA BUFFER STATUS	D-CS-M7104-01

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	TITLE			
.XXX - .008	± 0° 30'	DISK CONTROL			
.XX - .002					
.X - .001					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET			

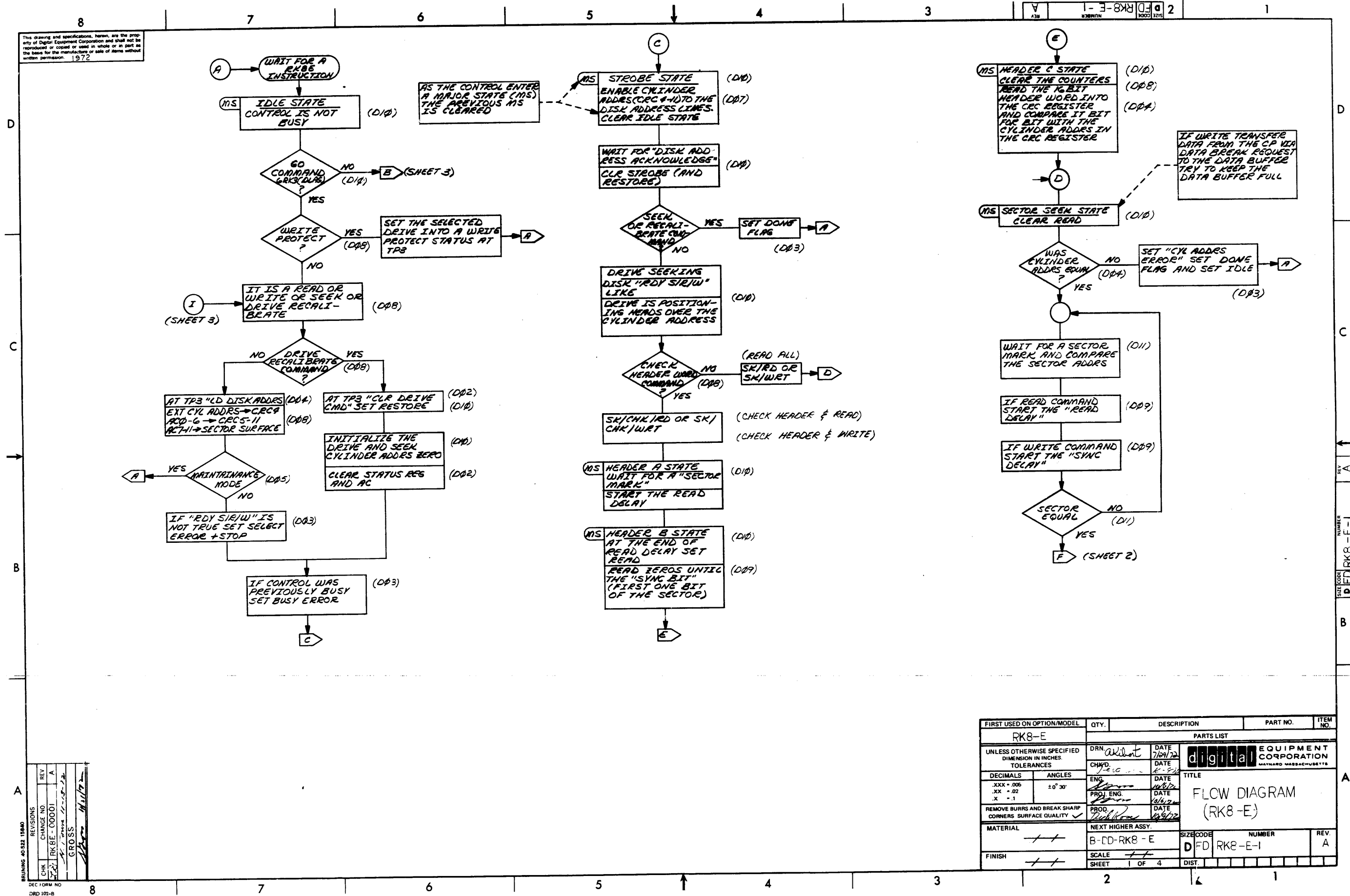
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C	3	11/13/72
D	4	11/13/72
E	5	11/13/72
F	6	11/13/72
G	7	11/13/72
H	8	11/13/72
I	9	11/13/72
J	10	11/13/72
K	11	11/13/72
L	12	11/13/72
M	13	11/13/72
N	14	11/13/72
O	15	11/13/72
P	16	11/13/72
Q	17	11/13/72
R	18	11/13/72
S	19	11/13/72
T	20	11/13/72
U	21	11/13/72
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W	23	11/13/72
X	24	11/13/72
Y	25	11/13/72
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KW	309	11/13/72
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LP	328	11/13/72
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LR	330	11/13/72
LS	331	11/13/72
LT	332	11/13/72
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ML	350	11/13/72
MM	351	11/13/72
MN	352	11/13/72
MO	353	11/13/72
MP	354	11/13/72
MQ	355	11/13/72
MR	356	11/13/72
MS	357	11/13



		GO TO IDLE AND SET DONE FLAG.	CHECK, GO TO SECTOR STATE.					
MAJOR STATE	FUNCTION	SEEK	SY/CHK/RO	SY/CHK/WRT	SK/RO	SK/W		
IDLE	CONTROL IS NOT BUSY. WHEN THE GO COMMAND (FLAG) IS ISSUED THE C(AC) IS LOADED INTO THE CRC* AND SECTOR-SURFACE REGISTERS (DISK ADDRESS)	✓	✓	✓	✓	✓		
STROBE	STROBE THE CYLINDER ADDRESS FROM THE CRC REGISTER TO THE DRIVE AND WAIT FOR THE DRIVE'S "ADDRESS ACKNOWLEDGE" SIGNAL.	✓	✓	✓	✓	✓		
DRIVE SEEKING	WAIT FOR THE "DISK READY TO SEEK/READ/WRITE" LEVEL FROM THE DRIVE TO SIGNIFY THAT THE HEADS ARE POSITIONED OVER THE CYLINDER ADDRESS		✓	✓	✓	✓		
HEADER A	WAIT FOR THE FIRST SECTOR MARK, THEN START THE READ DELAY.		✓	✓				
HEADER B	AT THE END OF THE READ DELAY TURN THE READ FLOP ON. ZEROS WILL BE READ UNTIL THE SYNC BIT WHICH SIGNIFYS THE BEGINNING OF A SECTOR'S DATA.		✓	✓				
HEADER C	READ THE 16 BIT HEADER WORD AND COMPARE IT WITH THE CYLINDER ADDRESS IN THE CRC REGISTER.		✓	✓				
SECTOR SEEK	IF THE HEADER WORD DOES NOT EQUAL THE CYLINDER ADDRESS SET THE "CYLINDER ADDRESS ERROR" AND GO TO THE IDLE STATE. AT EACH SECTOR MARK COMPARE THE SECTOR ADDRESS WITH THE DISK SECTOR ADDRESS LINES, IF EQUAL GO TO THE NEXT STATE.		✓	✓	✓	✓		
HEADER D	AT THE BEGINNING OF THE SECTOR START THE "READ DELAY". AT THE END OF THE "READ DELAY" SET "READ". ZEROS WILL BE READ UNTIL THE SYNC BIT.		✓		✓			
	AT THE BEGINNING OF THE SECTOR START THE "SYNC BIT DELAY." ZEROS ARE WRITTEN FOR THE LENGTH OF THE DELAY. A "ONE" BIT (SYNC BIT) IS THEN WRITTEN.			✓		✓		

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN <i>M. Roca</i>	DATE <i>9/21/72</i>	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
		CHK'D <i>M. Roca</i>	DATE <i>10/4/72</i>		
		ENG <i>John</i>	DATE <i>10/16/72</i>		
		PROD. ENG. <i>John</i>	DATE <i>10/16/72</i>		
DECIMALS	ANGLES	PROD. <i>M. Roca</i>	DATE <i>10/16/72</i>	TITLE MAJOR STATES TIMING & FLOW	
.XXX = .006 .XX = .02 .X = .1	± 0° 30'				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ☒					
MATERIAL <i>+</i>		NEXT HIGHER ASSY.			
		B-DD-RK8-E			
FINISH <i>+</i>		SCALE <i>None</i>			
		SHEET <i>1</i> OF <i>1</i>			
		DIST			
		SIZE CODE			
		NUMBER			
		D T D RK8-E-2		REV. A	

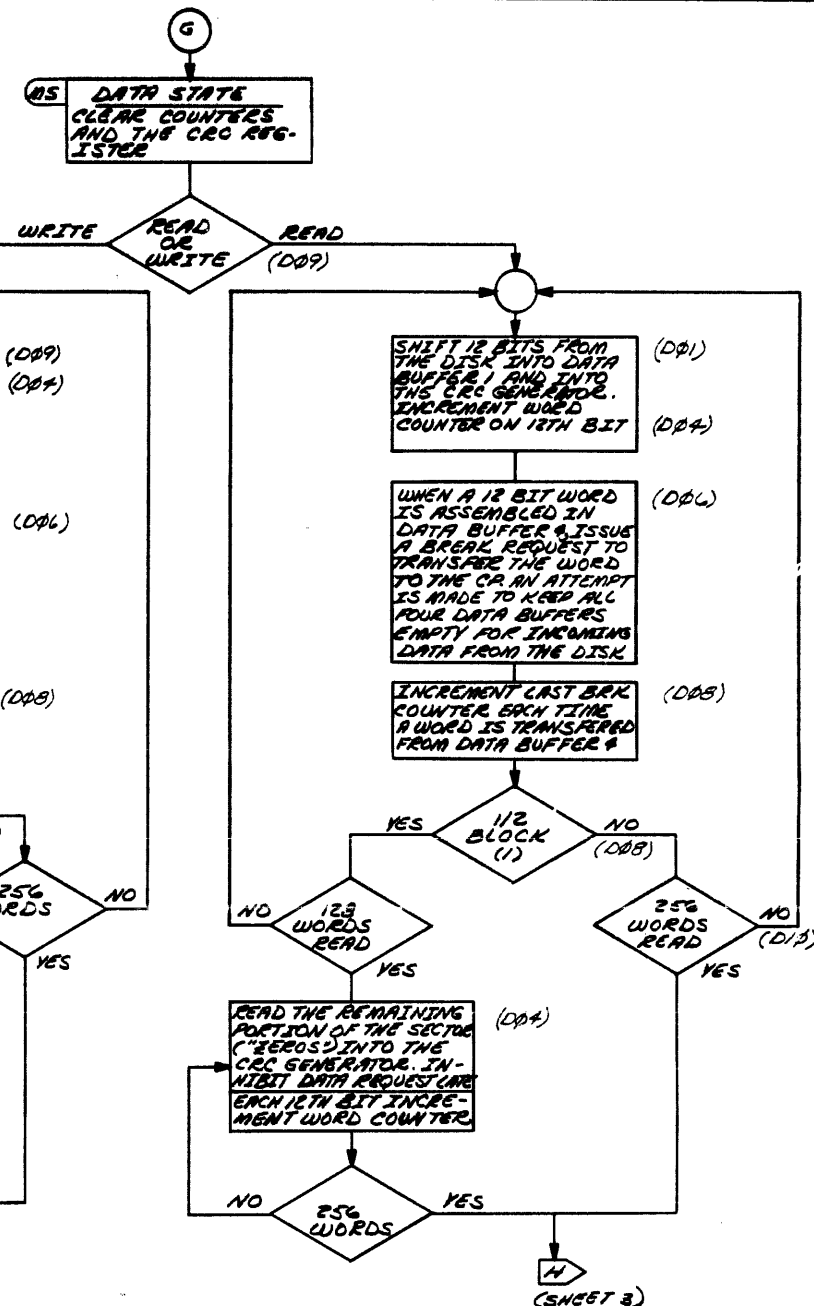
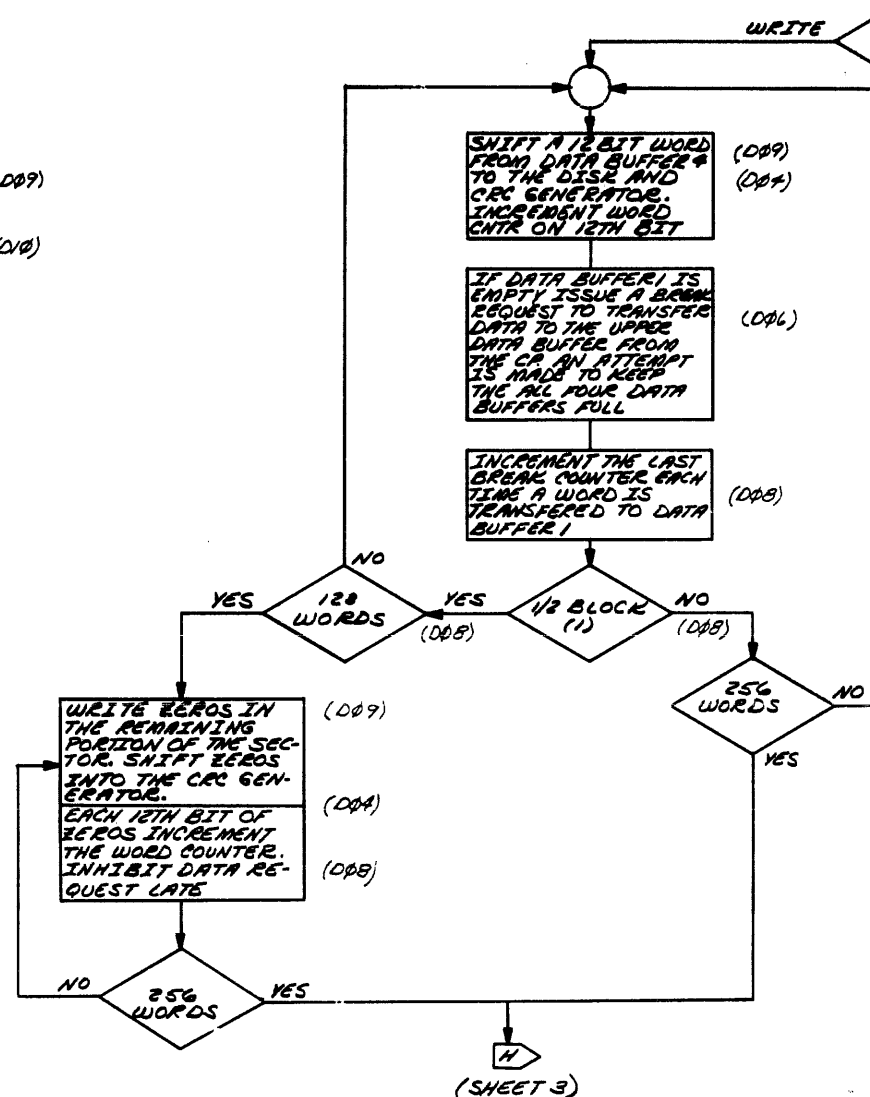
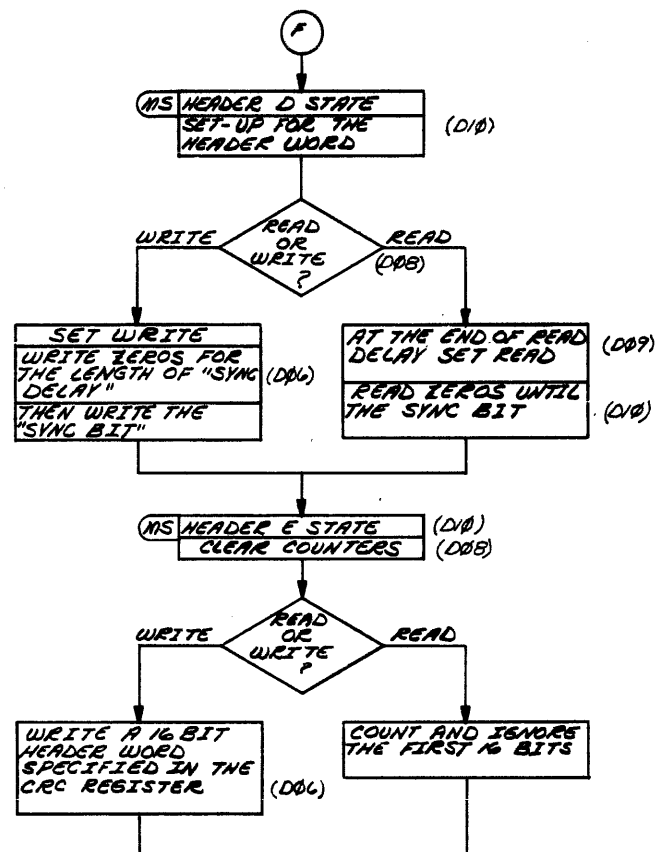
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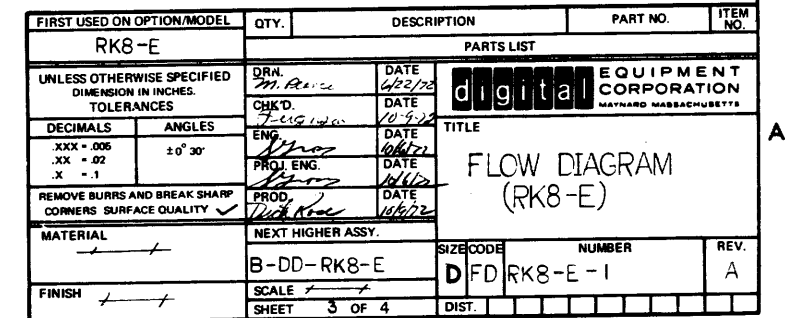
REVISIONS		REV
CHK	CHANGE NO.	A
22	RK8-E-00001	
1	11-15-72	
GROSS		
11/17		

DEC FORM NO. DRD 102-B

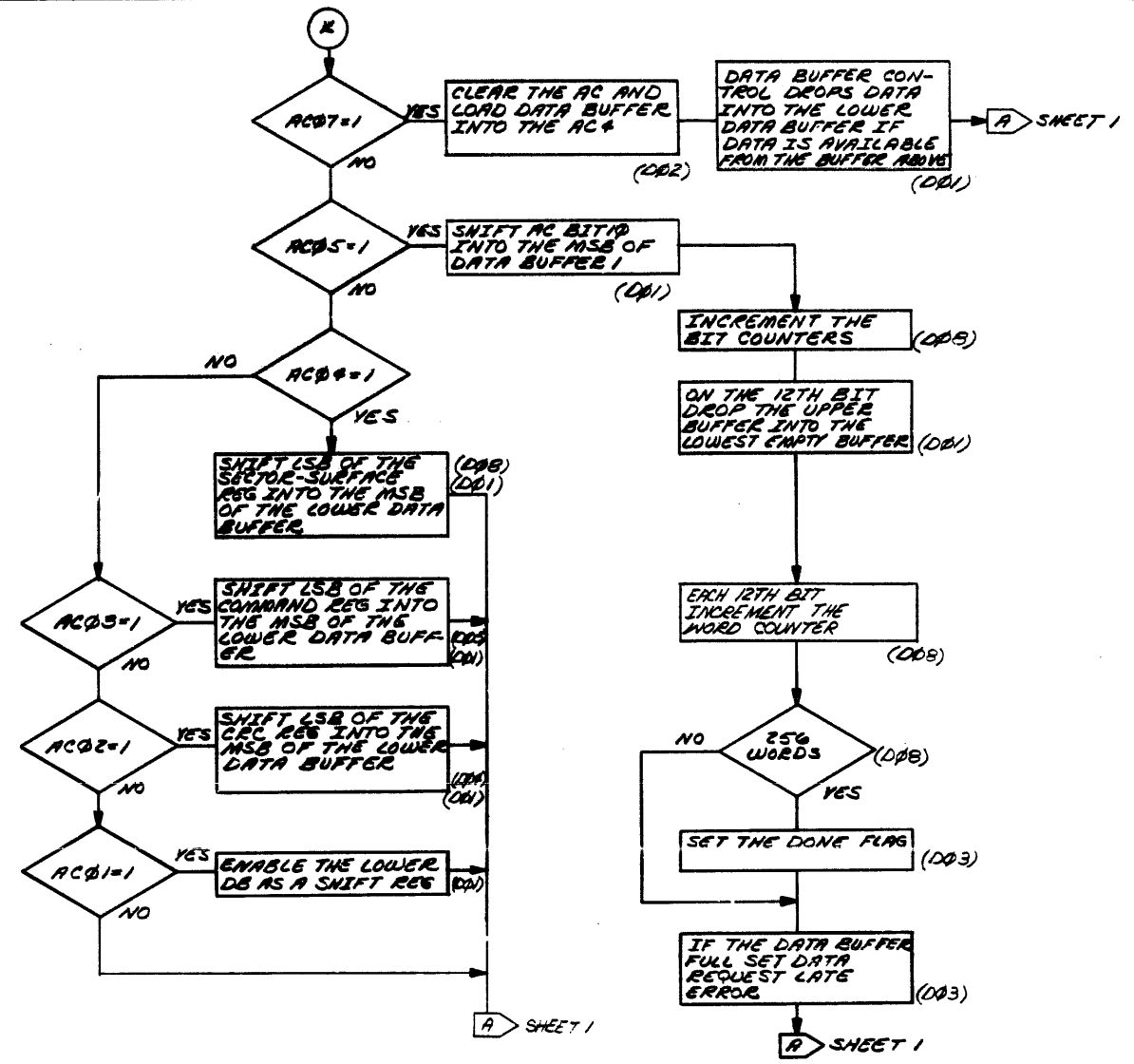
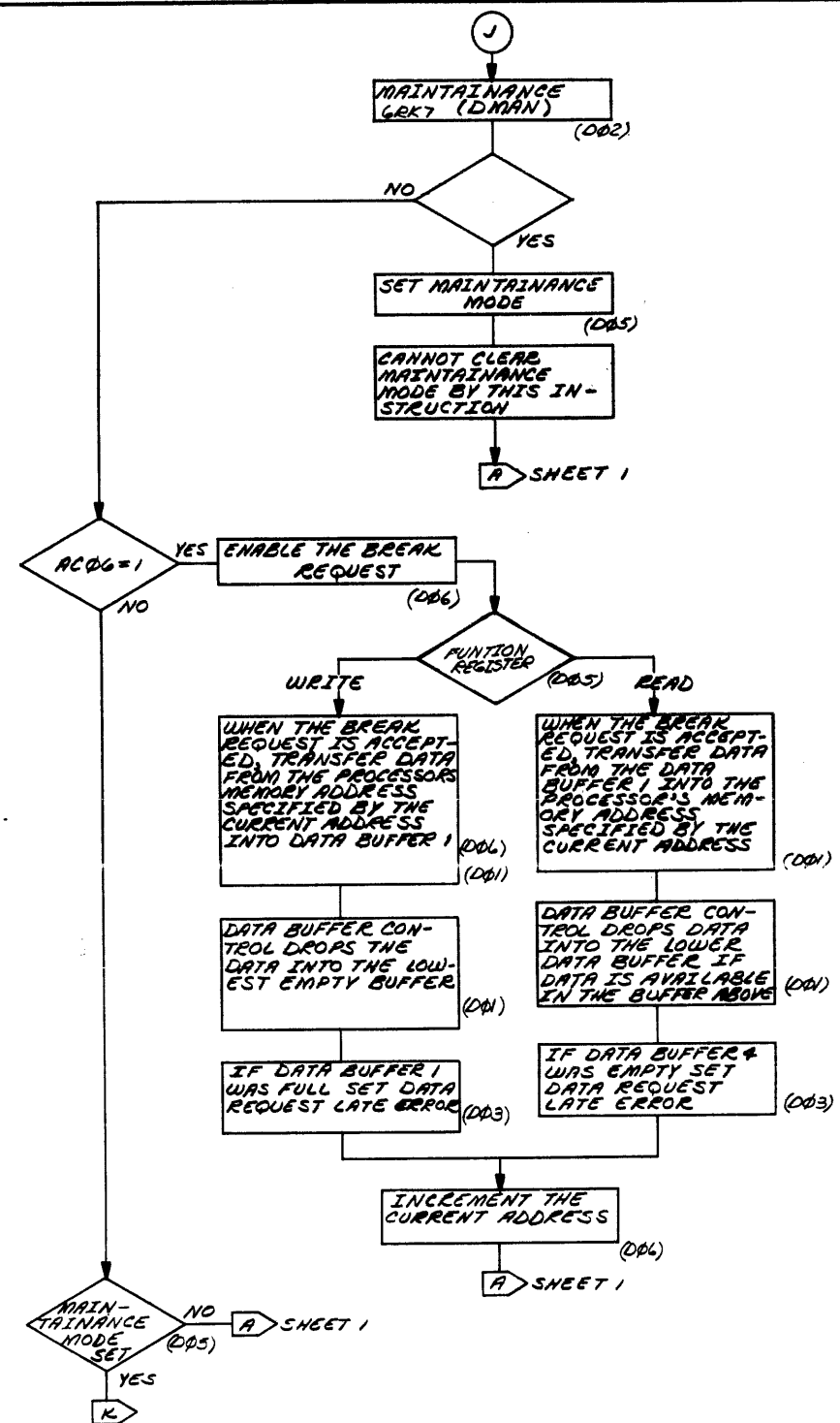
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E		PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN <i>akent</i>	DATE <i>7/29/72</i>	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
		CHWD <i>7-10</i>	DATE <i>8-5-72</i>		
		ENG <i>[Signature]</i>	DATE <i>10/1/72</i>		
		PROJ. ENG. <i>[Signature]</i>	DATE <i>10/1/72</i>		
		PROD. <i>[Signature]</i>	DATE <i>10/9/72</i>		
DECIMALS ANGLES		TITLE			
.XXX = .005 .XX = .02 .X = .1		FLOW DIAGRAM (RK8-E)			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓					
MATERIAL		NEXT HIGHER ASSY.			
<i>++</i>		B-CD-RK8-E			
FINISH		SCALE		SIZE CODE	
<i>++</i>		<i>++</i>		NUMBER	
		SHEET 1 OF 4		REV. A	
		DIST.			



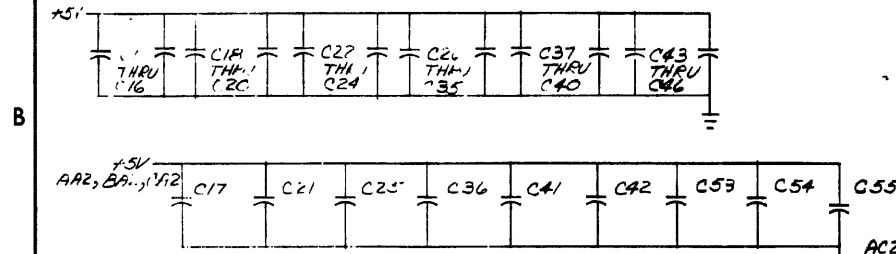
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN. <i>AK100</i>	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
TOLERANCES		CHK'D. <i>AK100</i>	DATE <i>11-9-72</i>	TITLE FLOW DIAGRAM (RK8-E)	
DECIMALS	ANGLES	ENG. <i>AK100</i>	DATE <i>11-9-72</i>		
.XXX = .005	±0° 30'	PROJ. ENG. <i>AK100</i>	DATE <i>10/11/72</i>		
.XX = .02		PROD. <i>AK100</i>	DATE <i>11-6-72</i>		
.X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.			
MATERIAL		B-DD-RK8-E		SIZE CODE D FD	NUMBER RK8-E-1
FINISH		SCALE SHEET 2 OF 4		DIST	REV A



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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>[Signature]</i>	DATE 7-17-72	PARTS LIST	
		CHK'D <i>[Signature]</i>	DATE 10-9-72		
DECIMALS	ANGLES	ENG. <i>[Signature]</i>	DATE 10-16-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
XXX + .008	± 0° 30'	PROT. ENG. <i>[Signature]</i>	DATE 10-16-72		
XX + .02		<i>[Signature]</i>	DATE 10-16-72		
X + .1		<i>[Signature]</i>	DATE 10-16-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		2RD. <i>[Signature]</i>		TITLE FLOW DIAGRAM (RK8-E)	
MATERIAL		NEXT HIGHER ASSY.			
++		B-DD-RK8-E			
FINISH		SCALE ++			
++		SHEET 4 OF 4		SIZE CODE	
		DIST.		NUMBER	
				D FD RK8-E-1	
				REV.	
				A	

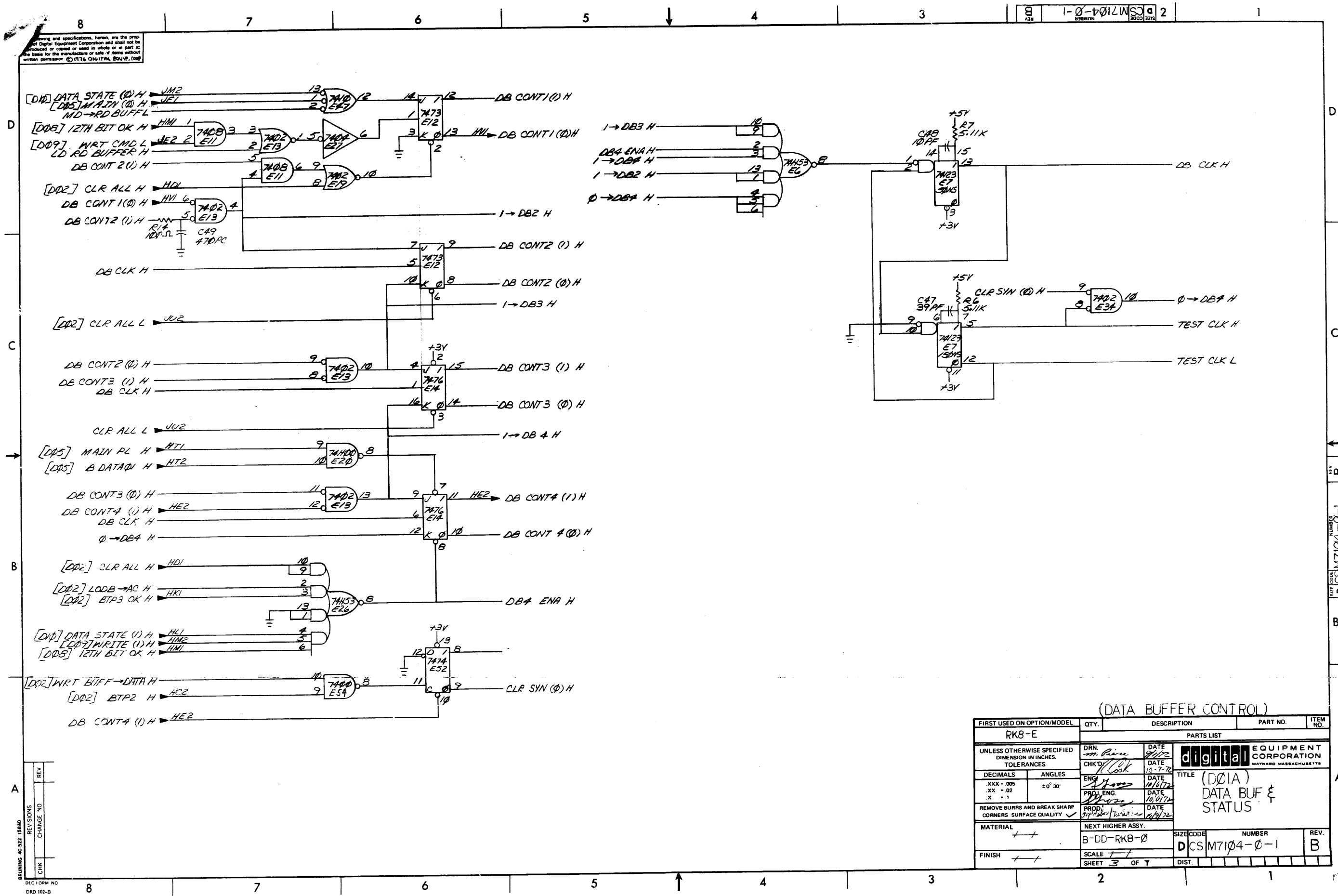


AR	!	#BOAW WIRE, SOLID, GREEN	9105740-55
8		-GRIPLETS	7210244-0
1	DL1	DELAY LINE, 100NS D- 10100	1609559
4		EYELET	9006757
9		SPLIT LUGS	9006735
4	E1, E10, E18, E25	I.C. DEC 74174	1910652
1	E7	I.C. DEC 74123	1910486
1	E50	I.C. DEC 74096	1910363
3	E11, E10, E18	I.C. DEC 74008	1910155
1	E33	I.C. DEC 74537	1910091
3	W2, W4, W6	22 GA BUSS WIRE	9107360-01

DEC FORM NO. DRD-135A	8
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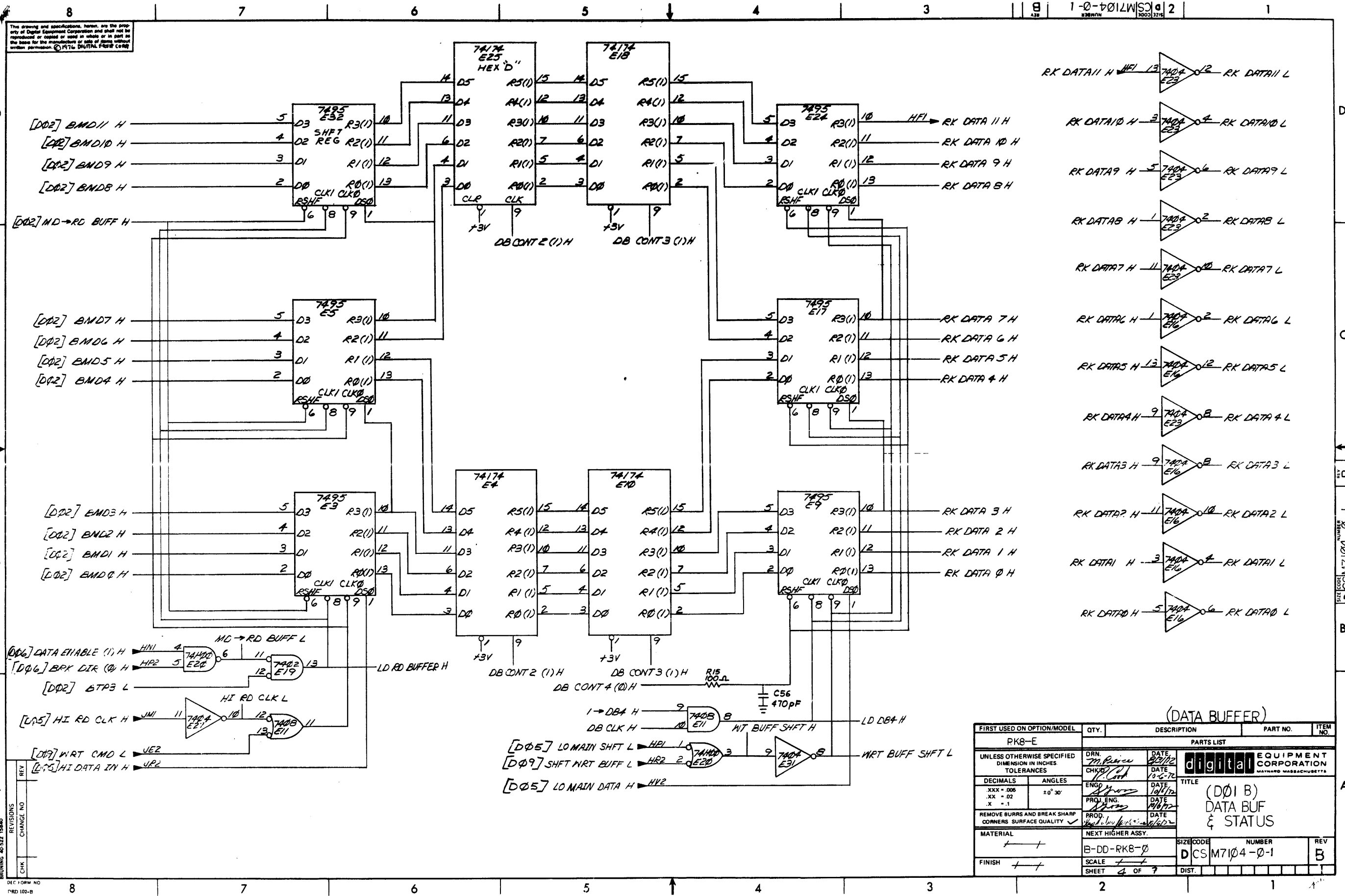
ETCH BOARD REV										PARTS LIST									
B																			
										DRN <i>asent</i> DATE <i>10/72</i> CHKD <i>PC</i> DATE <i>10-6-72</i> ENG. <i>PC</i> DATE <i>10/6/72</i> PROJ. ENG. <i>PC</i> DATE <i>10/6/72</i> PROB. <i>Good copy with 10/6/72</i> DATE <i>10/6/72</i>									
										digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
										TITLE DATA BUFFER E STATUS									
DEC NO.										EIA NO.									
D-UA-RK8-E-0										SIZE CODE NUMBER DCS M7104-0-1									
SCALE <i>None</i>										REV. K									
SHEET 2 OF 7										DIST.									

J. Nelson 7/14/72 J. NELSON	J. Nelson 7/14/72 ETC	K	A	REV	CHANGE NO.	CHK	REVISIONS				DRN	DATE	digit	EQUIPMENT CORPORATION MATTAPOI, MASSACHUSETTS	TITLE	DATA BUFFER & STATUS	SIZE CODE	NUMBER	REV.
							DEC NO.	EIA NO.	DEC NO.	EIA NO.	CHK'D	DATE							
SEMICONDUCTOR CONVERSION CHART																			



(DATA BUFFER CONTROL)				
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
.XXX ± .005	± 0° 30'	CHK'D	DATE	
.XX ± .02		ENG	DATE	
.X ± .1		PROJ. ENG.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE	TITLE (D01A) DATA BUF & STATUS
MATERIAL		NEXT HIGHER ASSY.	DATE	
FINISH		B-DD-RK8-0	DATE	
		SCALE	DATE	
		SHEET 3 OF 7	DIST.	
		SIZE CODE	NUMBER	REV.
		DCS	M7104-0-1	B

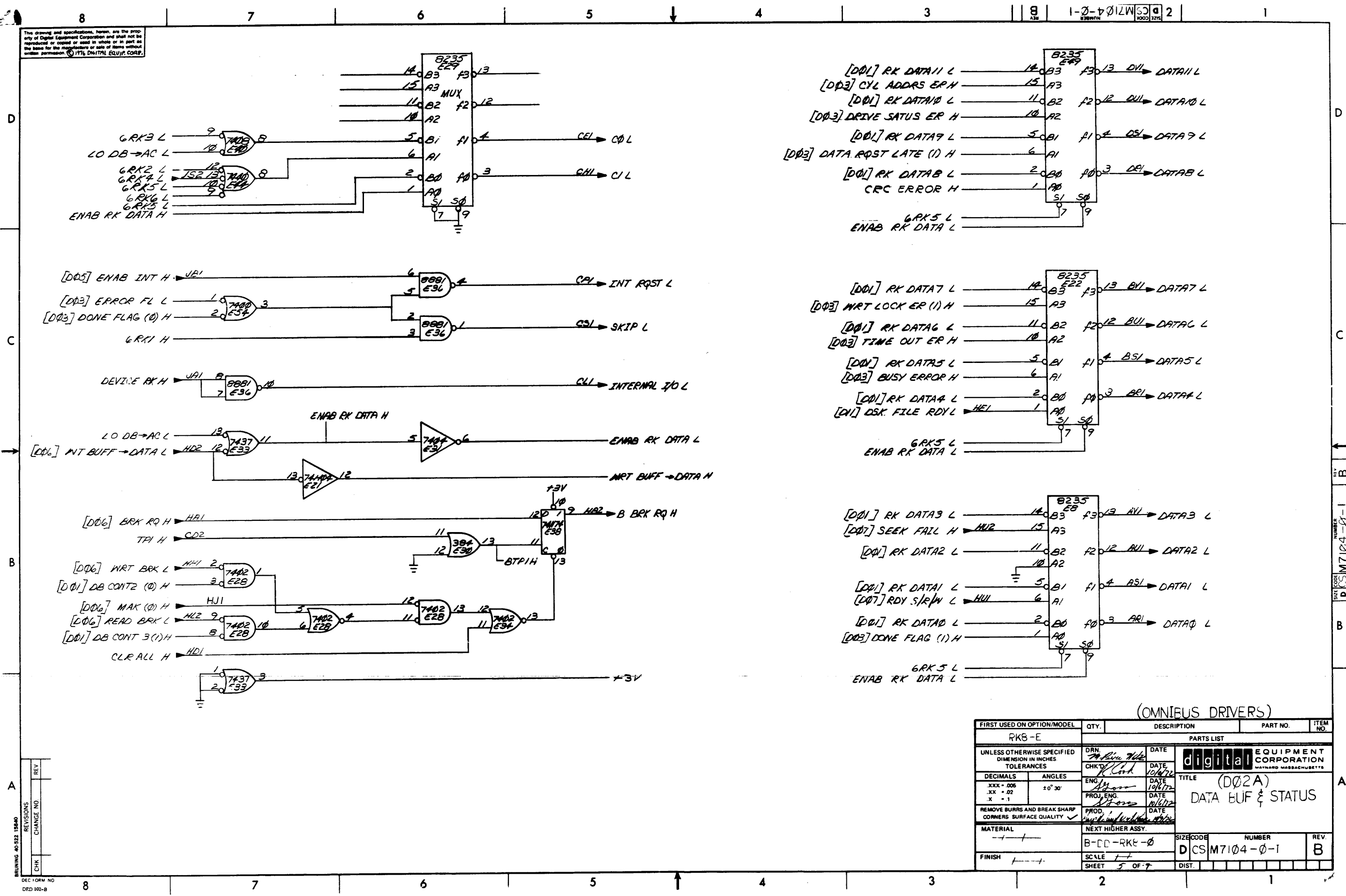
BRUNING 40-322 15840
REV. NO.
CHANGE NO.
CHK



BRUNING 40-522 15840
REV. 1
CHANGE NO.
CHK

DEC 10 1972
PRD 102-B

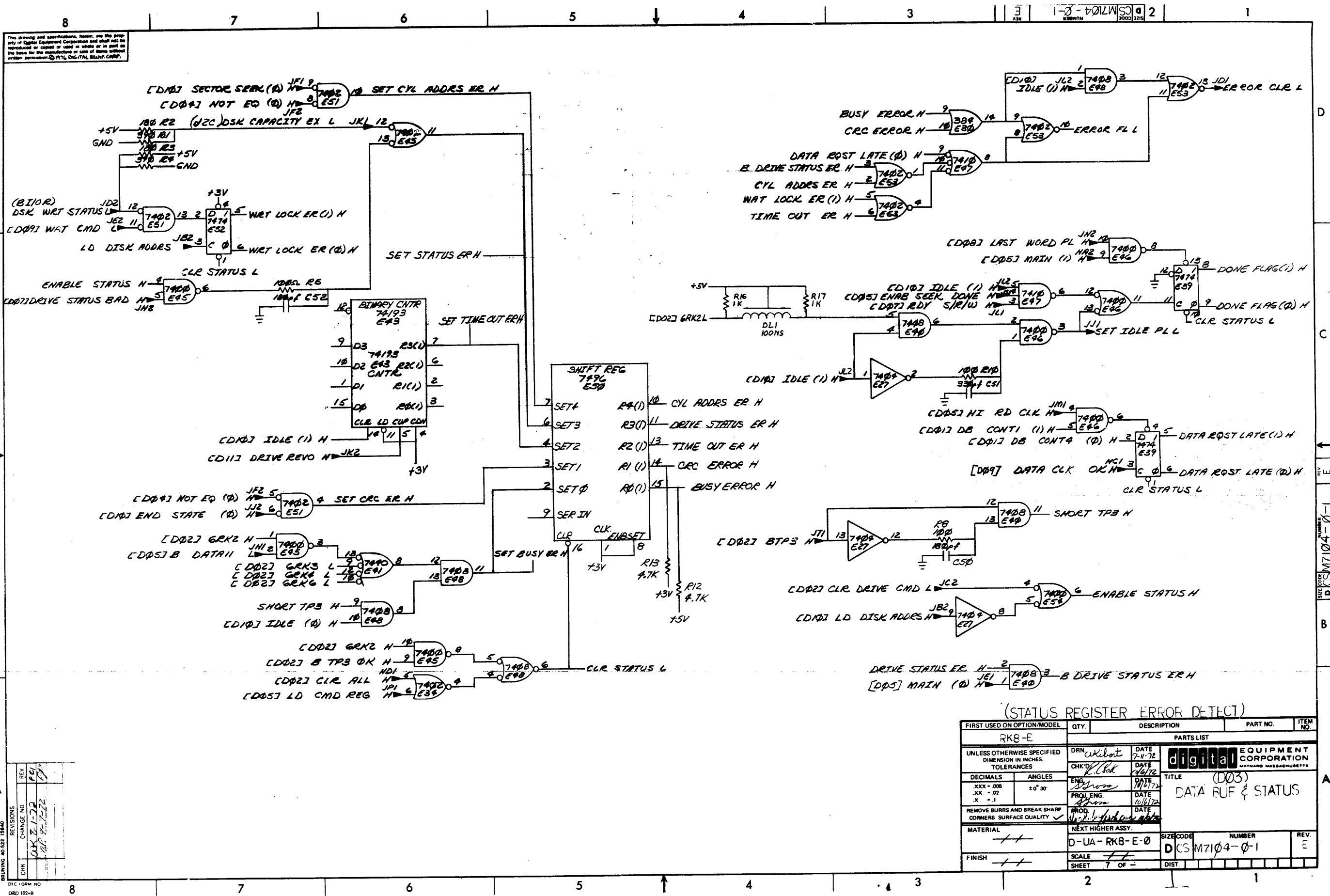
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>M. Rouse</i>	DATE <i>8/31/72</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
		CHKD. <i>P. Cosh</i>	DATE <i>10-6-72</i>		
		ENG'D <i>Shaw</i>	DATE <i>10/6/72</i>		
		PROJ. ENG. <i>Shaw</i>	DATE <i>10/6/72</i>		
DECIMALS	ANGLES	PROD. <i>W. J. White</i>	DATE <i>10/6/72</i>	TITLE (D01 B) DATA BUF & STATUS	
.XXX = .006 .XX = .02 .X = .1	± 0° 30'				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓					
MATERIAL <i>+ +</i>		NEXT HIGHER ASSY. B-DD-RK8-0			
FINISH <i>+ +</i>	SCALE <i>+ +</i>	SIZE CODE DCS		NUMBER M7104-0-1	REV B
SHEET 4 OF 7		DIST.			



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BRUNING 40-522 15640
DEC FORM NO
DD-100-B

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RKS-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE (D02A) DATA BUF & STATUS	
DECIMALS .005	ANGLES ±0° 30'	CHKD	DATE		
.XX .02		ENG	DATE		
X .1		PROJ. ENG.	DATE		
		PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.			
MATERIAL		B-DD-RKE-0		SIZE CODE	NUMBER
FINISH		SCALE		DIST.	REV
		SHEET 5 OF 7			B



REV	CHG	NO	DATE
1	1	1	1/1/72
2	2	2	2/1/72
3	3	3	3/1/72
4	4	4	4/1/72
5	5	5	5/1/72
6	6	6	6/1/72
7	7	7	7/1/72
8	8	8	8/1/72
9	9	9	9/1/72
10	10	10	10/1/72

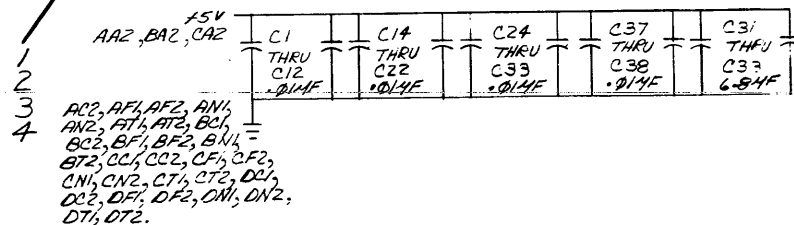
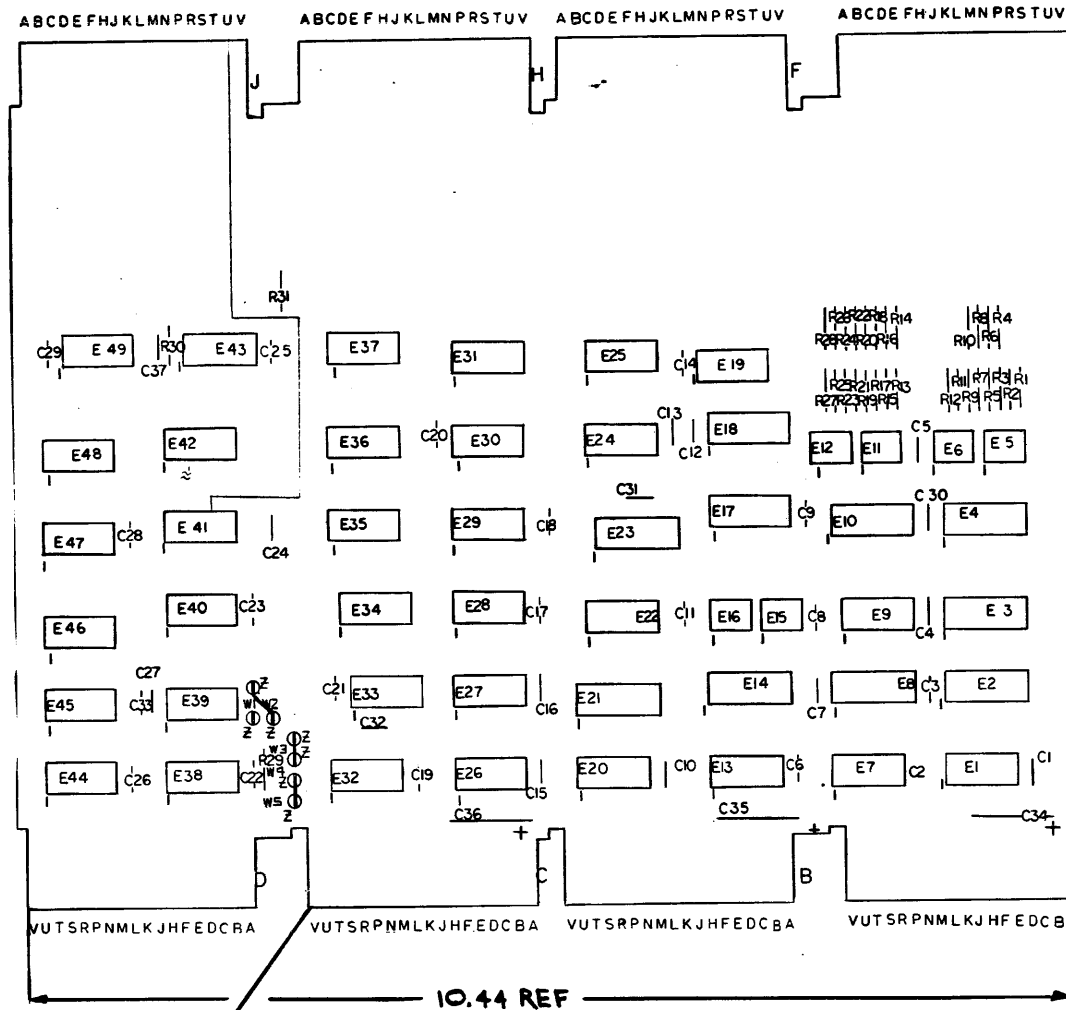
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS		CHK'D	DATE		
ANGLES		ENG	DATE	TITLE (D03) DATA RUF & STATUS	
.XXX - .005		PROJ. ENG.	DATE		
.XX - .02		PROD.	DATE	SIZE CODE NUMBER REV. D CS M7104-0-1 E	
.X - .1		PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE	SHEET 7 OF 7	
MATERIAL		PROD.	DATE		
FINISH		PROD.	DATE	DIST.	
		PROD.	DATE		

PAGE REVISION CONTROL SHEET

[illegible]

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NOTES:



DEC NO.	QTY	REV.
DEC 74155	8	16
DEC 74174	8	16
DEC 74174	8	16
DEC 74161	8	16
DEC 75452	4	8
DEC 75451	4	8
DEC 8271	8	16
DEC 384	1	8
DEC 380	1	8
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
3	W2, W3, W5	HAND INSTALLED JUMPER 246A		35
7		SPLIT LUG	9006735	34
1	E46	I.C. DEC 7440	1905579	33
1	E10	I.C. DEC 74155	1910656	32
1	E28	I.C. DEC 74174	1910652	31
3	E8, E18, E21	I.C. DEC 74161	1910650	30
4	E5, E6, E15, E16	I.C. DEC 75452	1910645	29
2	E11, E12	I.C. DEC 75451	1910606	28
2	E9, E14	I.C. DEC 7496	1910363	27
3	E25, E38, E41	I.C. DEC 7408	1910155	26
1	E24	I.C. DEC 7486	1910011	25
6	E1, E7, E20, E22, E33, E44	I.C. DEC 8881	1909705	24
2	E39, E45	I.C. DEC 74474	1909667	23
3	E3, E3, E17	I.C. DEC 8271	1909615	22
2	E42, E43	I.C. DEC 7404	1909686	21
1	E27	I.C. DEC 384	1909486	20
3	E13, E22, E32	I.C. DEC 380	1909485	19
1	E38	I.C. DEC 74411	1909267	18
1	E9	I.C. DEC 74452	1909061	17
1	E37	I.C. DEC 74410	1909057	16
2	E28, E47	I.C. DEC 7402	1909004	15
6	E19, E29, E31, E36, E40, E49	I.C. DEC 7400	1905575	14
3	E34, E35, E48	I.C. DEC 7474	1905547	13
14	R2, R5, R6, R9, R10, R12, R15, R16, R17, R20, R23, R24, R27, R28	RESISTOR 100, 1/4W, 5%	1301322	12
1	E29	RESISTOR 1K, 1/4W, 5%	1300365	11
14	R1, R3, R8, R7, R8, R11, R13, R14, E12, R18, R21, R22, E25, E26	RESISTOR 890, 1/4W, 5%	1300309	10
2	R30	RESISTOR 100, 1/4W, 5%	1300229	9
32	C1 THRU C33	CAP. .01UF, 100V, 20% DISC	1001610	8
3	C34 THRU C36	CAP. 6.8UF, 35V, 20% STANT	1000067	7
1	R31	RES. 10, 1/4W, 5%	1301317	6
1	C37	CAP. 470PF, 100V, 5%, D.M.	1000024	5
1		ETCHED CIRCUIT BOARD	5010065	4
REF		MODULE ECO HISTORY	B-MH-M7105-0-4	3
REF		ASSY DRILLING HOLE LAYOUT	D-MH-M7105-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M7105-0-1	1

FIRST USED ON OPTION MODEL

REV	CHANGE NO.	REVISIONS	DATE	BY
1	1		10/1/70	
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3	3		10/1/70	
4	4		10/1/70	
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98	98		10/1/70	
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BRUNING 40-522 10699

DEC FORM NO. ORD-135A

8

7

6

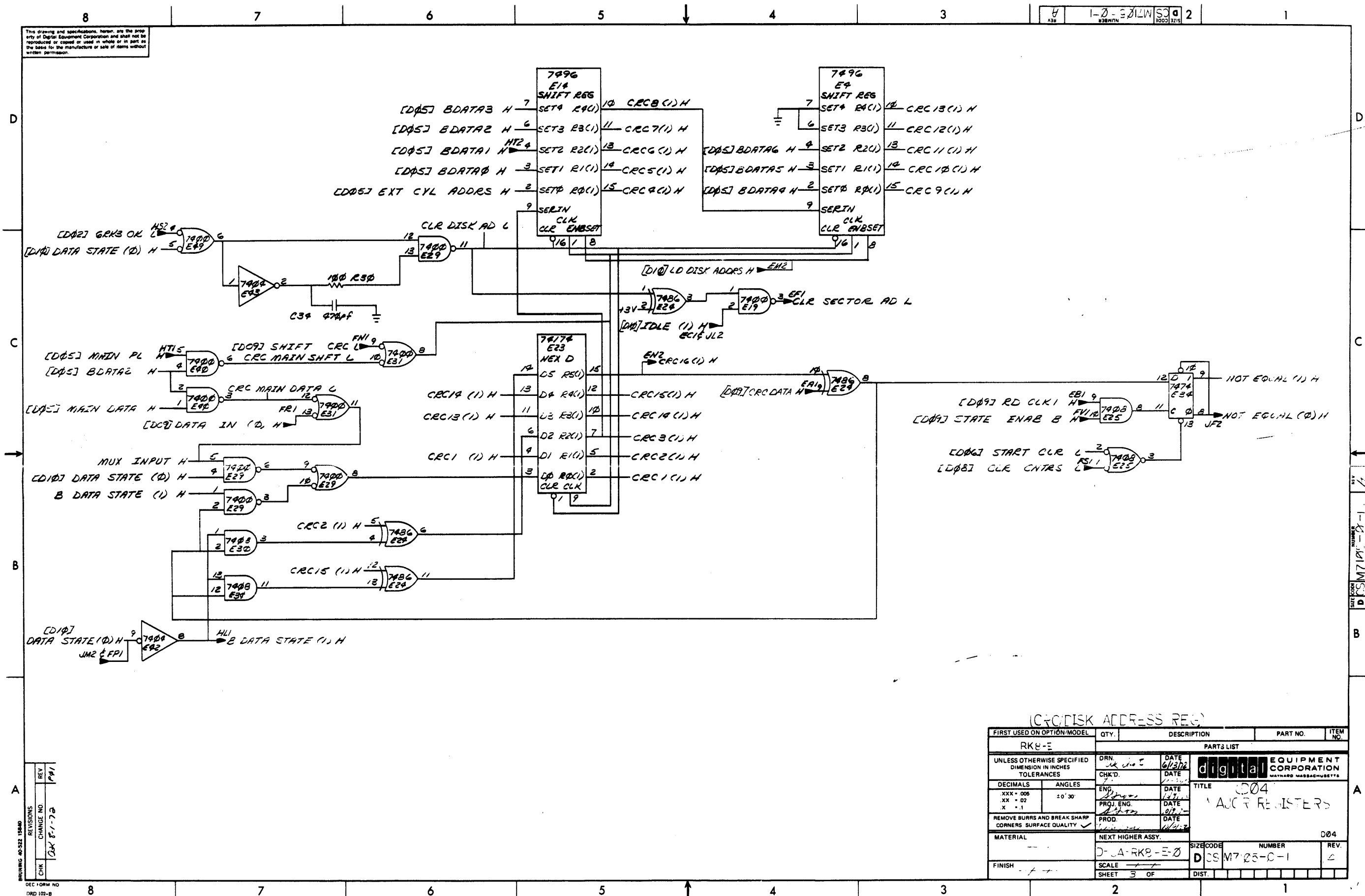
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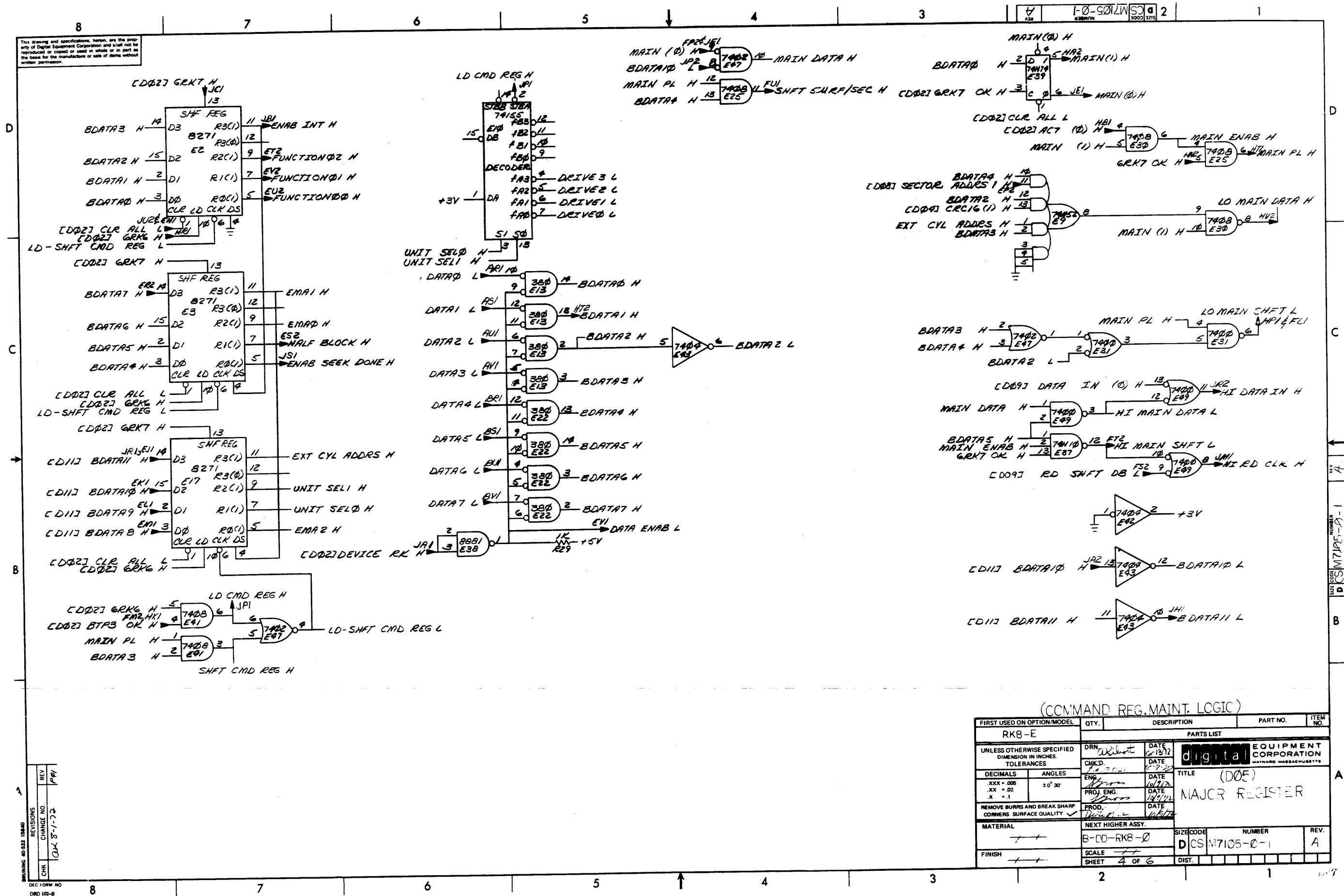
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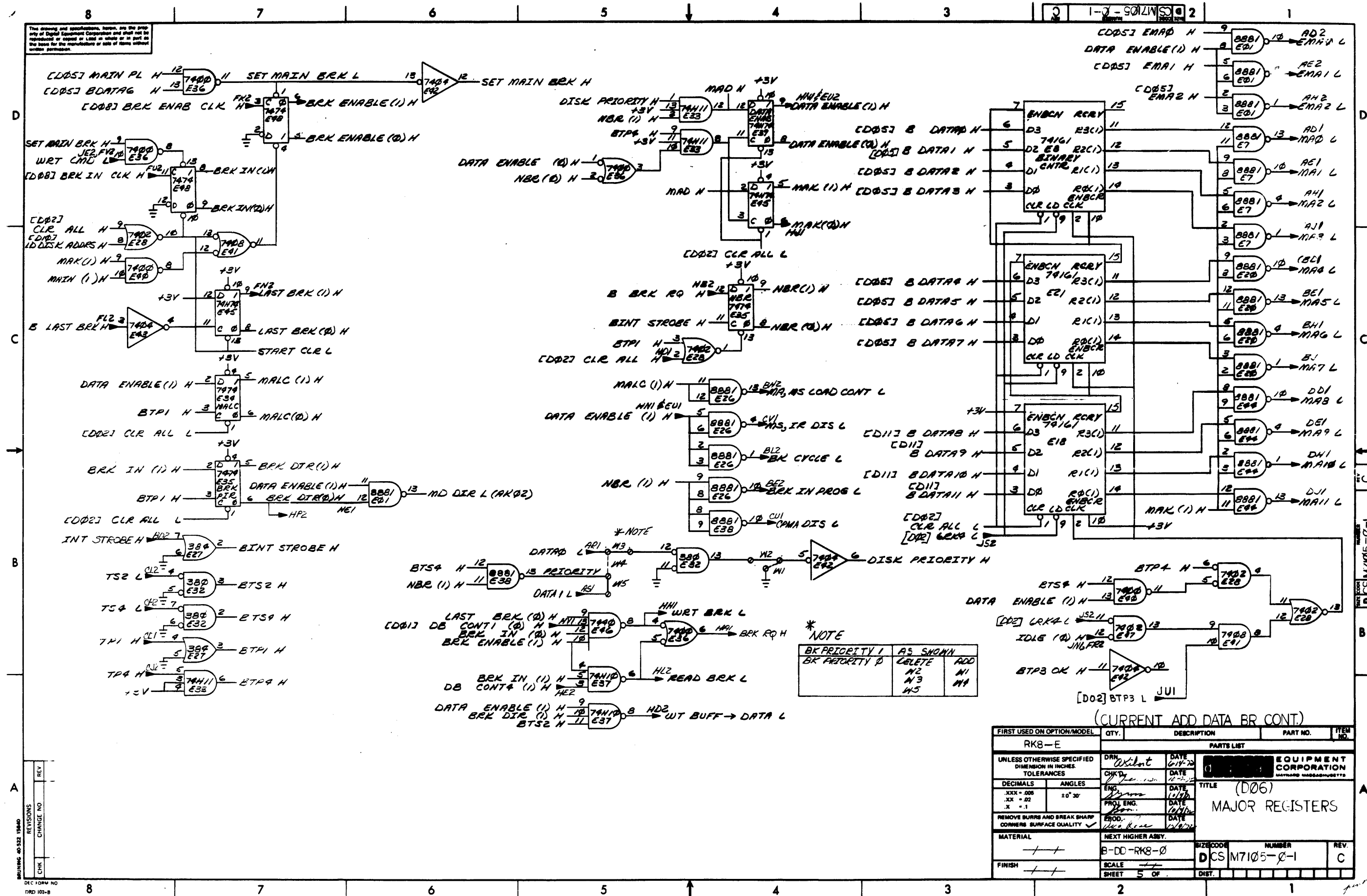
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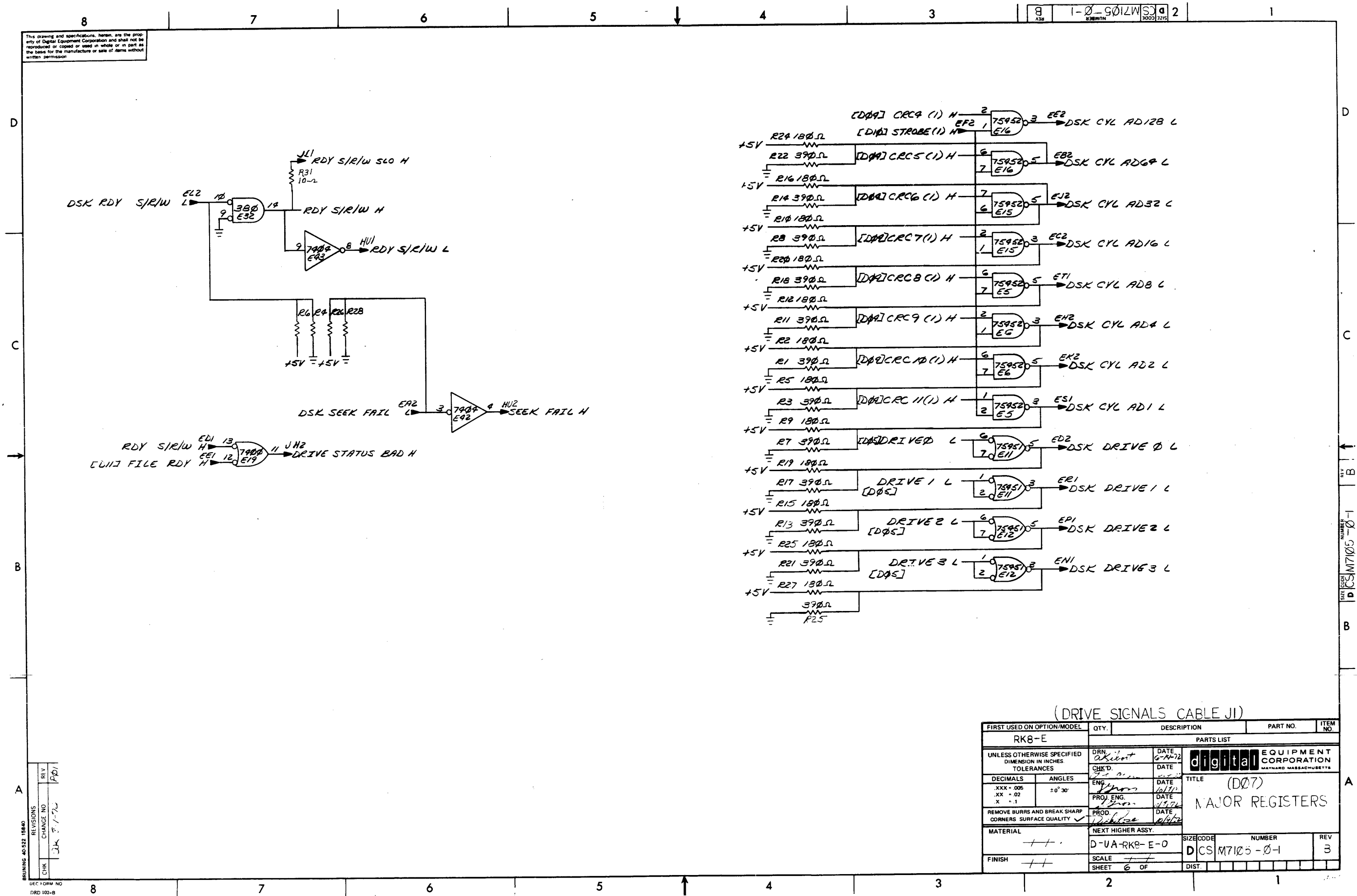
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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E				PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. CHK'D.	DATE DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	ENG.	DATE		
XXX + .005 XX + .02 X + .1	± 0° 30'	PROJ. ENG.	DATE	TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD.	DATE		
MATERIAL	NEXT HIGHER ASSY.				D04
	D-JA-RK8-E-0			SIZ CODE	NUMBER
FINISH	SCALE			DCS	M725-C-1
	SHEET 3 OF			DIST.	







PAGE REVISION CONTROL SHEET

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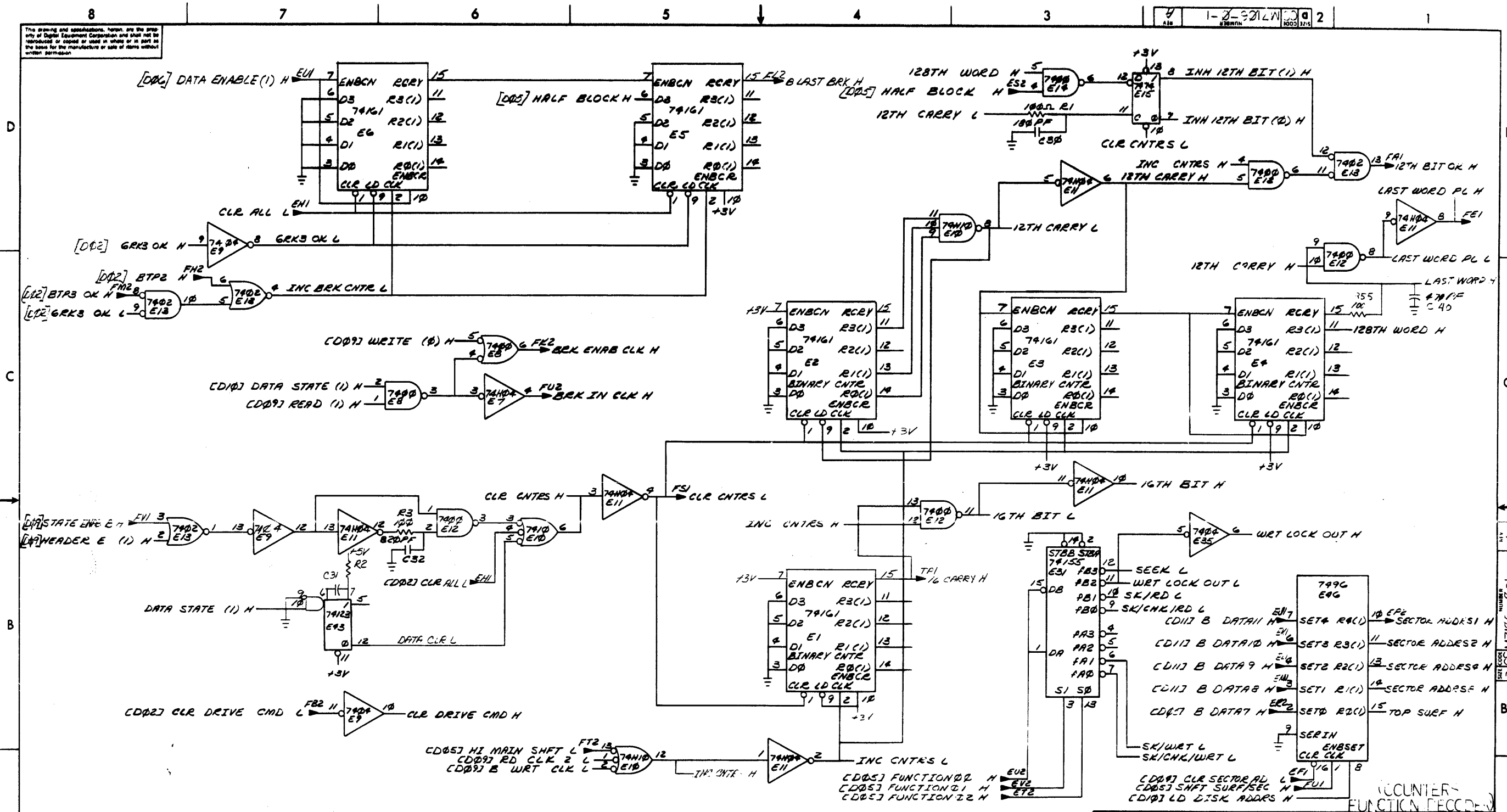
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ENG.	<i>[Signature]</i>	DATE	10/9/72
PROD. ENG.	<i>[Signature]</i>	DATE	10/11/72
PROD.		DATE	10.10.72
NEXT HIGHER ASSY.			
B-DD - RK8-Ø			
SCALE	<i>f</i>		
SHEET	1 OF 6		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

CONTROL, RK8-E

TITLE	SIZE	CODE	NUMBER	REV.
	B	CS	M71Ø6-Ø-1	F
DIST.				

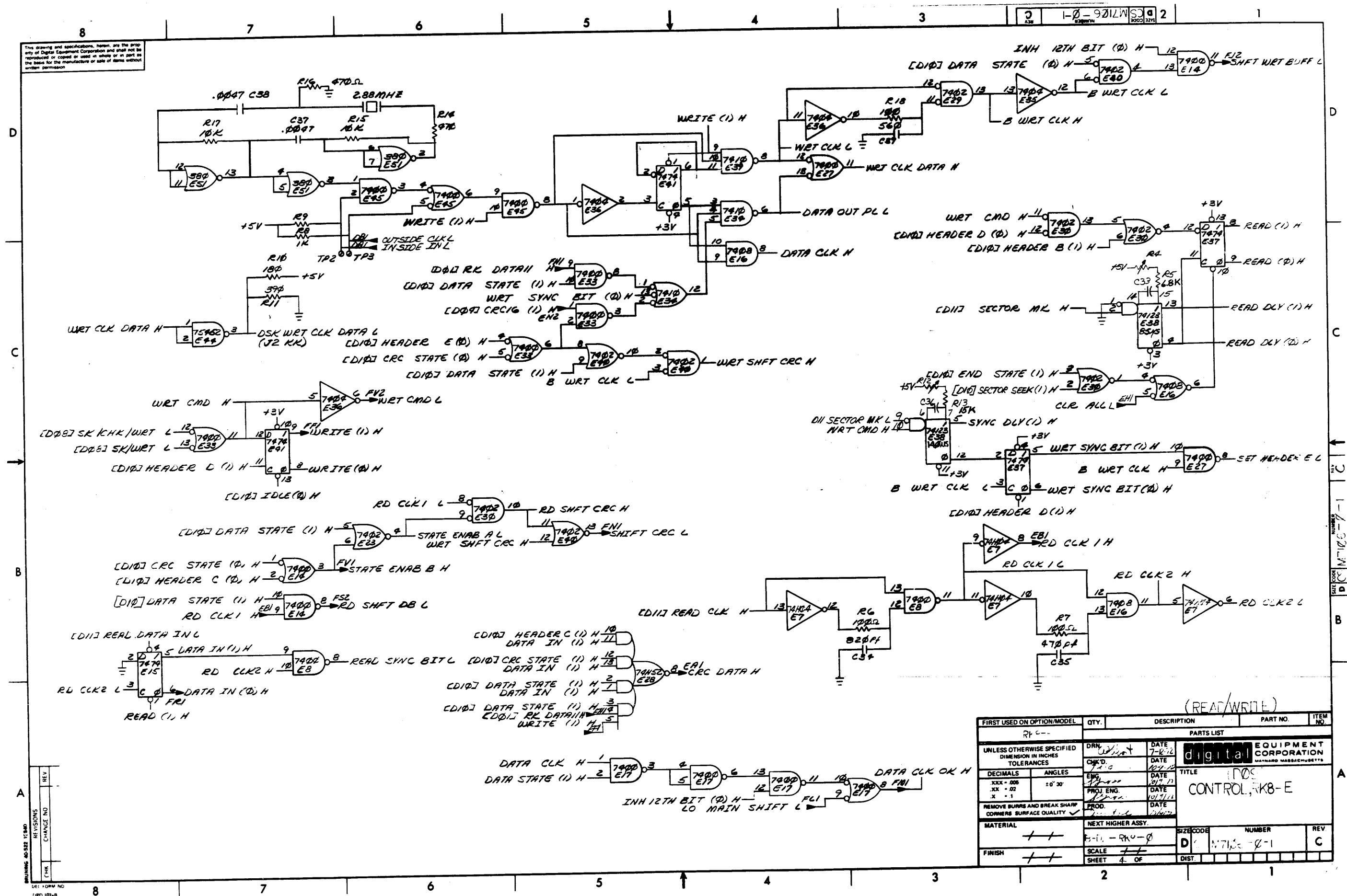
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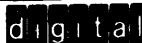


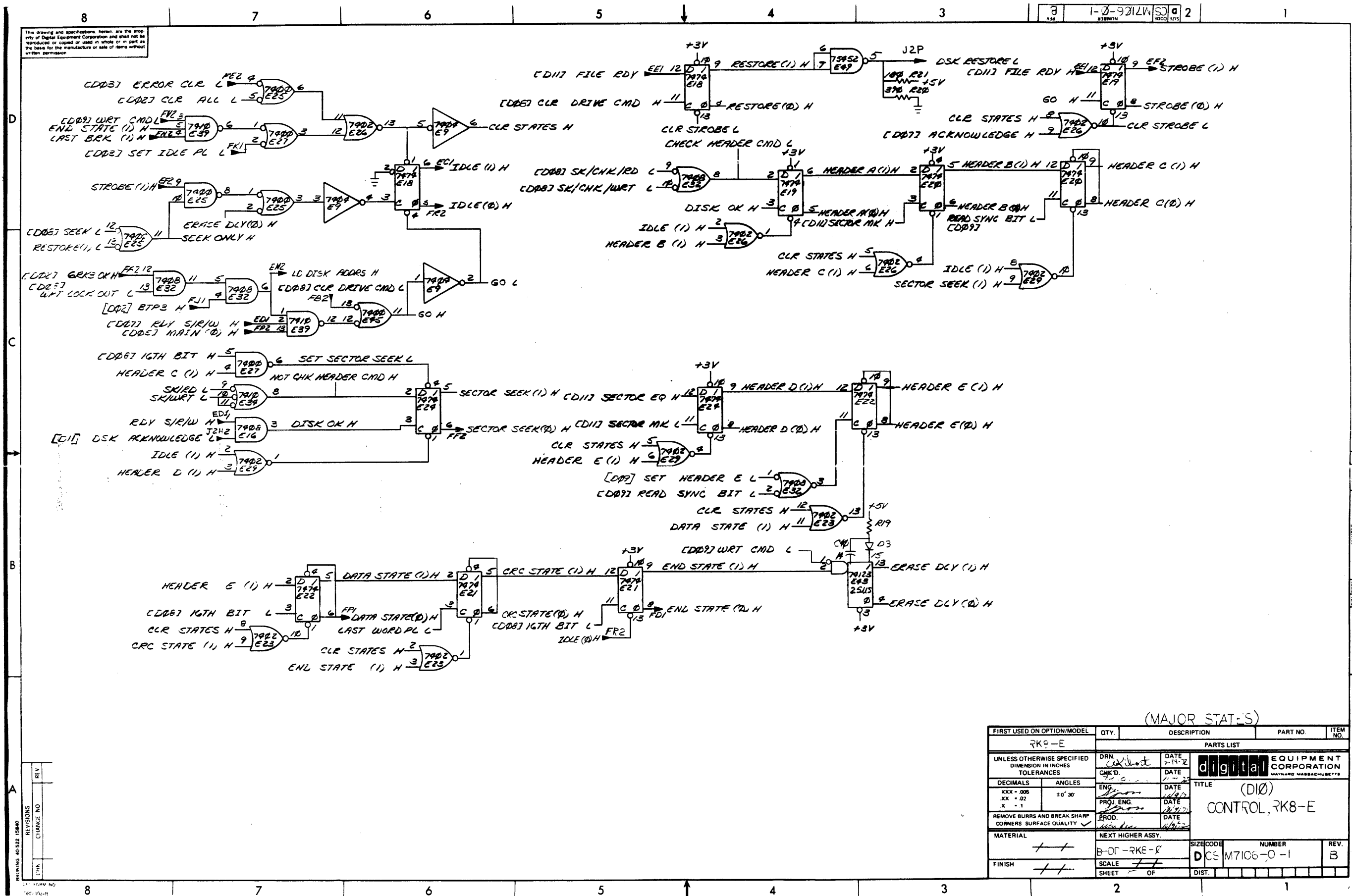
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RK3-E					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED		DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES		CHK'D	DATE		
TOLERANCES				TITLE: CD05 CENTRAL RK3-E	
DECIMALS		ENG	DATE		
ANGLES		PROJ. ENG.	DATE	SIZE CODE: DCSM710-C-1	
XXX - 005		PROD.	DATE		
XX - 02				NUMBER	
X - 1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				REV.	
MATERIAL		NEXT HIGHER ASSY.			
FINISH		E-11-A18-0		SCALE	
		SHEET 3 OF		DIST	

REV	CHANGE NO	DATE
1	1	10/1/72
2	2	10/1/72
3	3	10/1/72
4	4	10/1/72
5	5	10/1/72
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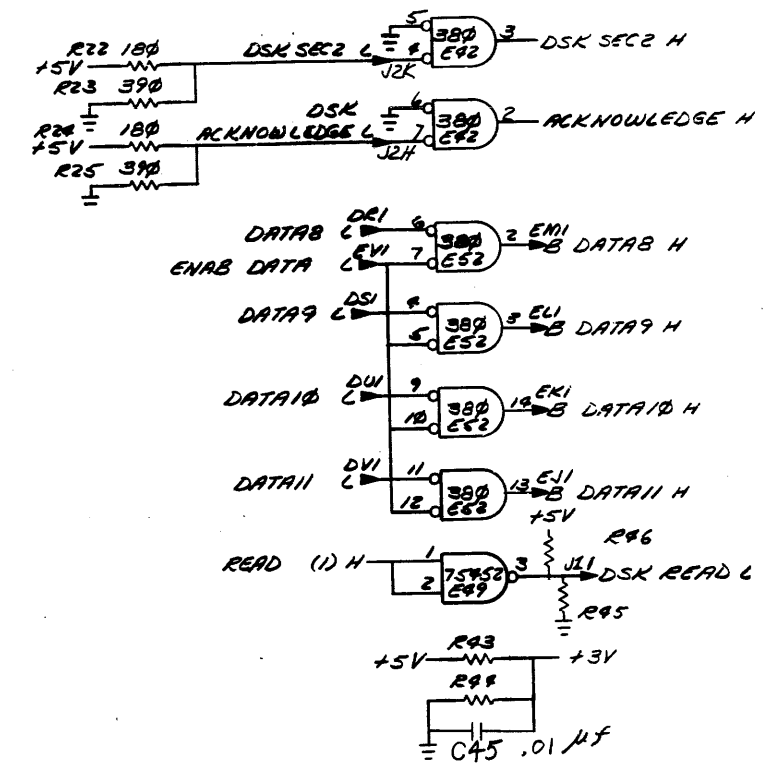
DEF. FORM NO. DRD 102-B



FIRST USED ON OPTION/MODEL Rf C--		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>10-12-12</i>	DATE <i>7-8-12</i>	PARTS LIST	
DECIMALS	ANGLES	CHK'D. <i>10-12-12</i>	DATE <i>10-12-12</i>	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS TITLE <i>DOC</i> CONTROL, K8-E	
XXX - .005	± 0° 30'	ENG. <i>10-12-12</i>	DATE <i>10-12-12</i>		
.XX - .02		PROJ. ENG. <i>10-12-12</i>	DATE <i>10-12-12</i>		
.X - .1		PROD. <i>10-12-12</i>	DATE <i>10-12-12</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ☒		NEXT HIGHER ASSY.		SIZE CODE	NUMBER
MATERIAL	<i>+</i> <i>+</i>	<i>F-10 - RKU - 0</i>		<i>D</i>	<i>N7125 - 0-1</i>
FINISH	<i>+</i> <i>+</i>	SCALE <i>1/16"</i>		DIST.	
		SHEET <i>1 OF</i>			



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>2-14-82</i>	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
DECIMALS	ANGLES	CMK'D. <i>1-1-82</i>	TITLE (D10) CONTROL, RK8-E		
XXX + .005 XX + .02 X + .1	± 0° 30'	ENG. <i>1/19/82</i>	DATE <i>1/19/82</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD. ENG. <i>1/19/82</i>	DATE <i>1/19/82</i>		
		PROD. <i>1/19/82</i>	DATE <i>1/19/82</i>		
MATERIAL		NEXT HIGHER ASSY.		REV.	
<i>++</i>		B-DT-RK8-E		B	
FINISH		SCALE <i>++</i>		SIZE CODE NUMBER	
<i>++</i>		SHEET OF		D CS M7106-0-1	
		DIST.			



Pin	Signal	Address
D	DSK DATA IN/L	E54-5
F	DSK RD CLK L	E54-9
V	DSK WRT PROTECT L	E50-5
L	DSK READ L	E49-3
R	DSK WRT STATUS L	F02
T	DSK SECTOR MK L	E54-12
Y	DSK FILE RDY L	E54-6
X	DSK HEAD SEL 1 L	E48-5
Z	DSK INDEX MK L	E53-11
BA	DSK WRT-ERASE GATE L	E50-3
DD	DSK SEC 1 L	E55-9
FF	DSK SEC 4 L	E53-4
LL	DSK SEC 8 L	E53-6
RR	DSK STROBE L	E48-3
T, T		8V2
GND		

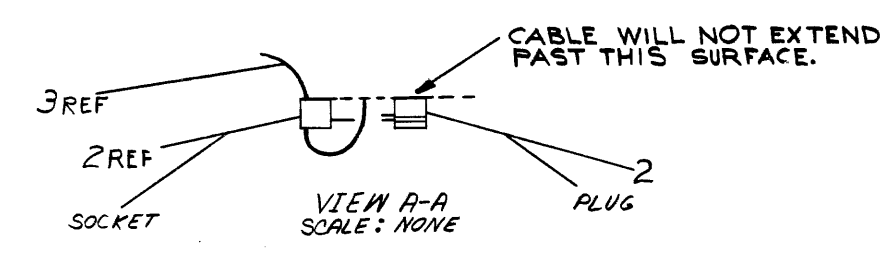
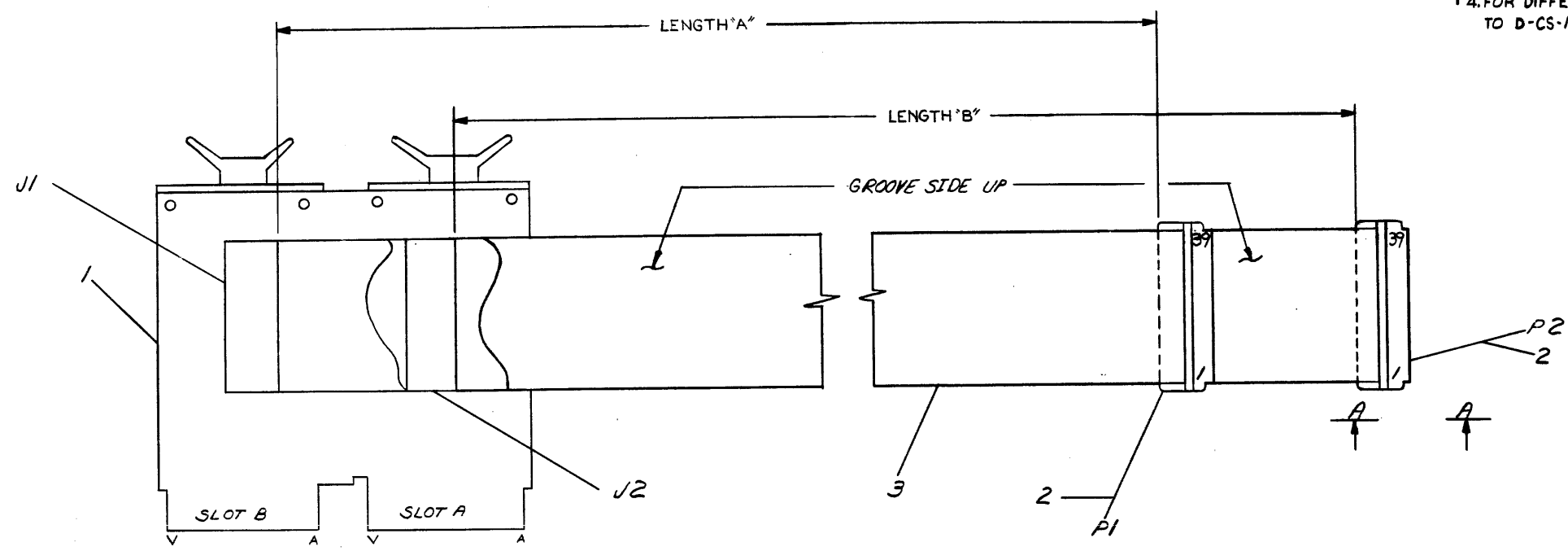
A, B, C, E, H, K, M, P, S, U, W, Y,
AA, CC, EE, HH, KK, MM, PP, SS, UU

(DRIVE SIGNALS CABLE J2 DRIVERS)

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>300-10</i>	DATE <i>7-19-72</i>	 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	CHK'D. <i>1/24</i>	DATE <i>6-9-72</i>	TITLE (DID) CONTROL, RK8-E	
XXX = .006	±0° 30'	ENG. <i>1/24</i>	DATE <i>6/9/72</i>		
.XX = .02		PROJ. <i>ENG.</i>	DATE <i>12/9/72</i>		
.X = .1		PROD. <i>1/24</i>	DATE <i>1/2/72</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ☒					
MATERIAL <i>++</i>	NEXT HIGHER ASSY.		SIZE CODE	NUMBER	REV
	B-DD-RK8-Ø		D	CS M7106-Ø-1	C
FINISH <i>++</i>	SCALE <i>++</i>		DIST.		
	SHEET <i>6</i> OF				

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REV	CHG	NO	DATE	BY	CHK	APP
1	1	1	1/1/72	J. LEARSON	J. LEARSON	J. LEARSON
2	2	2	2/1/72	J. LEARSON	J. LEARSON	J. LEARSON
3	3	3	3/1/72	J. LEARSON	J. LEARSON	J. LEARSON
4	4	4	4/1/72	J. LEARSON	J. LEARSON	J. LEARSON
5	5	5	5/1/72	J. LEARSON	J. LEARSON	J. LEARSON
6	6	6	6/1/72	J. LEARSON	J. LEARSON	J. LEARSON
7	7	7	7/1/72	J. LEARSON	J. LEARSON	J. LEARSON
8	8	8	8/1/72	J. LEARSON	J. LEARSON	J. LEARSON



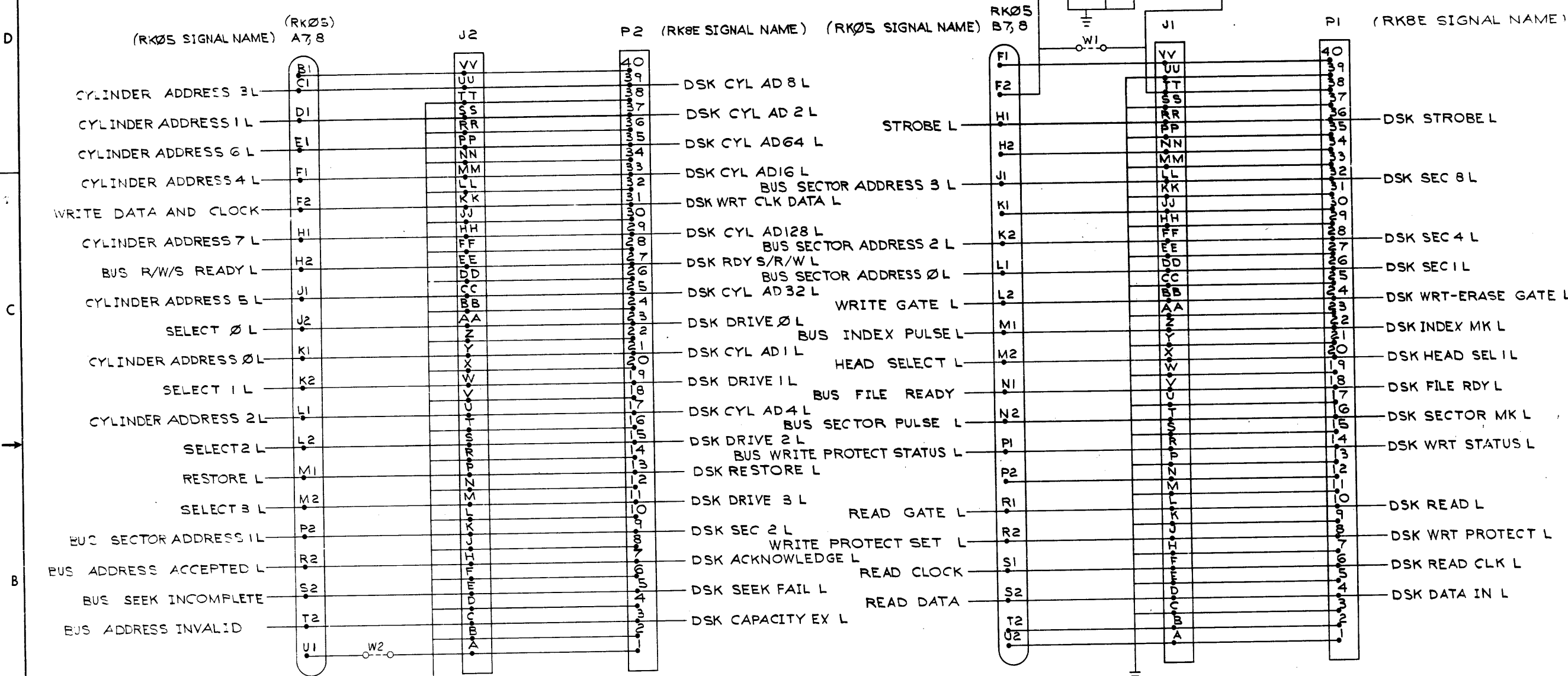
VARIATION	LENGTH 'A'	LENGTH 'B'
7009026-00	12.0 FT 1.5 IN ± 3.0 IN	12.0 FT 1.5 IN ± 3.0 IN
7009026-01	20.0 FT ± 3.0 IN	20.0 FT ± 3.0 IN
7009026-02	10.0 FT ± 3.0 IN	10.0 FT ± 3.0 IN
7009026-03	12.0 FT 1.5 IN ± 3.0 IN	12.0 FT 1.5 IN ± 3.0 IN

- NOTES:
1. CABLE TO BE WIRED WITH GROOVE SIDE UP.
 2. WHEN ATTACHING CONN (ITEM #2) TO CABLE (ITEM #3) USE SCOTCH FLEX LOCATOR PLATE #3443-24 AND SCOTCH FLEX ASSY. PRESS #3445 FROM 3M COMPANY.
 3. TAPE CABLE EVERY 1.5 FEET.
 4. FOR DIFFERENT CKT VARIATIONS REFER TO D-CS-M993-0-1

1	-	-	-	RK8-L CONTROL CABLE MOD	D-CS-M993-YB	6
-	1	-	-	RK8-E CONTROL CABLE MOD	D-CS-M993-YA	5
A/R	A/R	A/R	A/R	TAPE, ELECTRICAL WHT.	9008880-00	4
2	2	2	2	CABLE 40 CONDUCTOR 30AWG	9107747-01	3
2	2	2	2	CONN, SOCKET 40 PIN	1211206-00	2
-	-	1	1	RK8-E CONTROL CABLE MOD	D-CS-M993-0-1	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	DATE 8/1/72		
.XXX = .005	± 0° 30'	DATE 8/1/72		
.XX = .02		DATE 8/1/72		
.X = .1		DATE 8/1/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
FINISH				
NEXT HIGHER ASSY.				
D-UA-RK8-E-0				
SCALE NONE				
SHEET 1 OF 2				
TITLE				
CONTROL CABLE ASSY				
SIZE CODE				
DAD 7009026-0-0				
NUMBER				
REV. E				
DIST.				

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BRUNING 40-522 15840	REV. 1
CHK	CHANGE NO.
DEC 10 1973	DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN.	DATE	PARTS LIST	
DECIMALS	CHK'D.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX - .006	ENG.	DATE	TITLE	
.XX - .02	PROD. ENG.	DATE	CONTROL CABLE ASSY.	
X - .1	PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	NEXT HIGHER ASSY.			
MATERIAL	D-UA-RK8-E-0	SIZE CODE	NUMBER	REV.
FINISH	SCALE	DAD	7009026-0-0	E
	SHEET 2 OF 2	DIST.		

SH
NO.

REMARKS

1	*	A	B	C	D	E	E
2	*	*	A	B	C	C	C
3	*	A	B	C	D	D	D

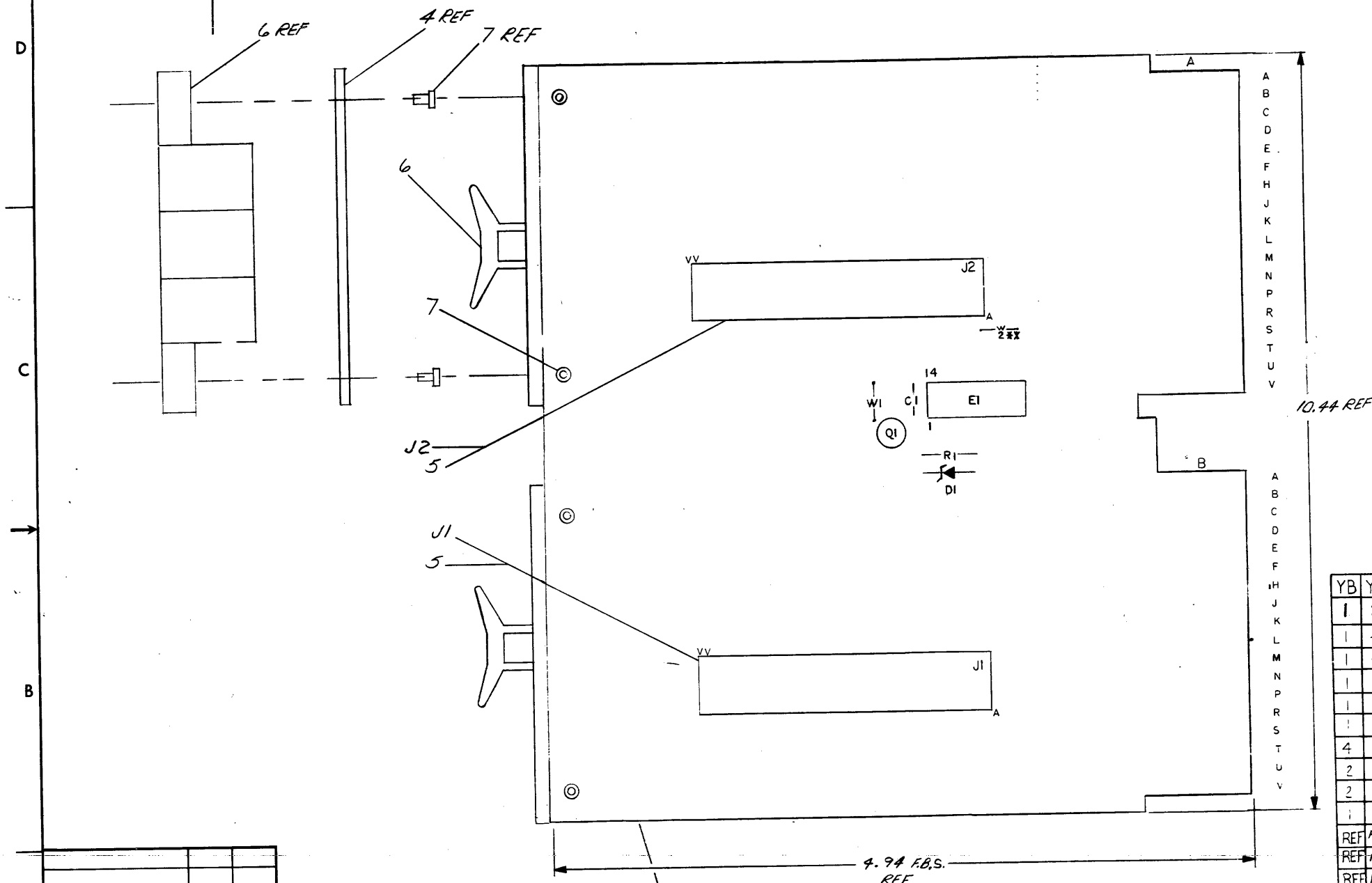
[illegible]

FIRST USED ON OPTION/MODEL

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
TITLE RK8-E CONTROL CABLE MODULE						
DRN.		DATE 11-1-78	SIZE B	CODE CS	NUMBER M993-Ø-1	REV. E
CHK'D	[Signature]	DATE 10/12/72	DIST.			
ENG.	[Signature]	DATE 10/12/72				
PROJ. ENG.	[Signature]	DATE 10/12/72				
PROD.	R.K. Campbell	DATE 10-13-72				
NEXT HIGHER ASSY.						
D-AD-7009026-0-0						
SCALE 1 OF 3						
SHEET 1 OF 3						
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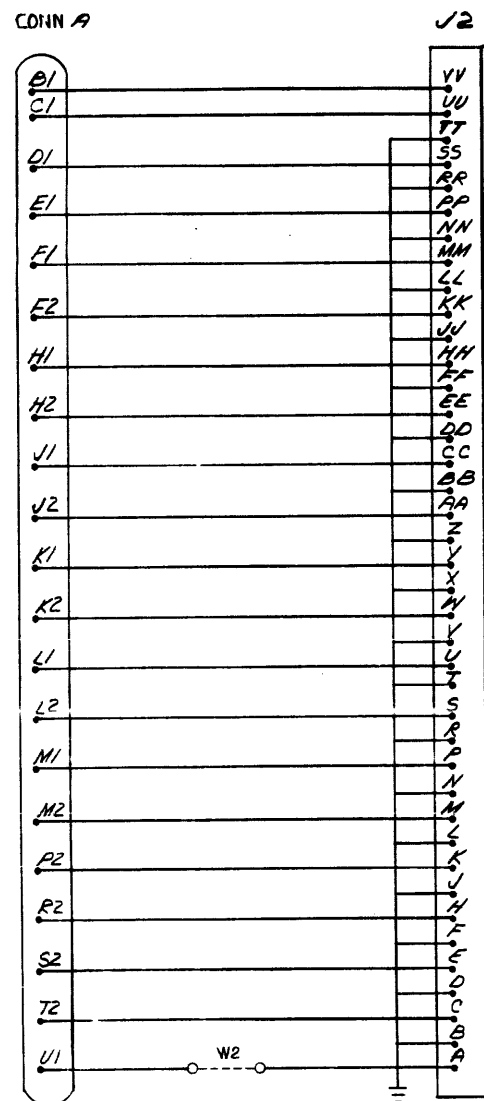
* NOTE: IF IC 7384 IS NOT AVAILABLE,
IC 5384 MAY BE USED.

**ON YB VARIATION, ONLY W2 IS INSTALLED.

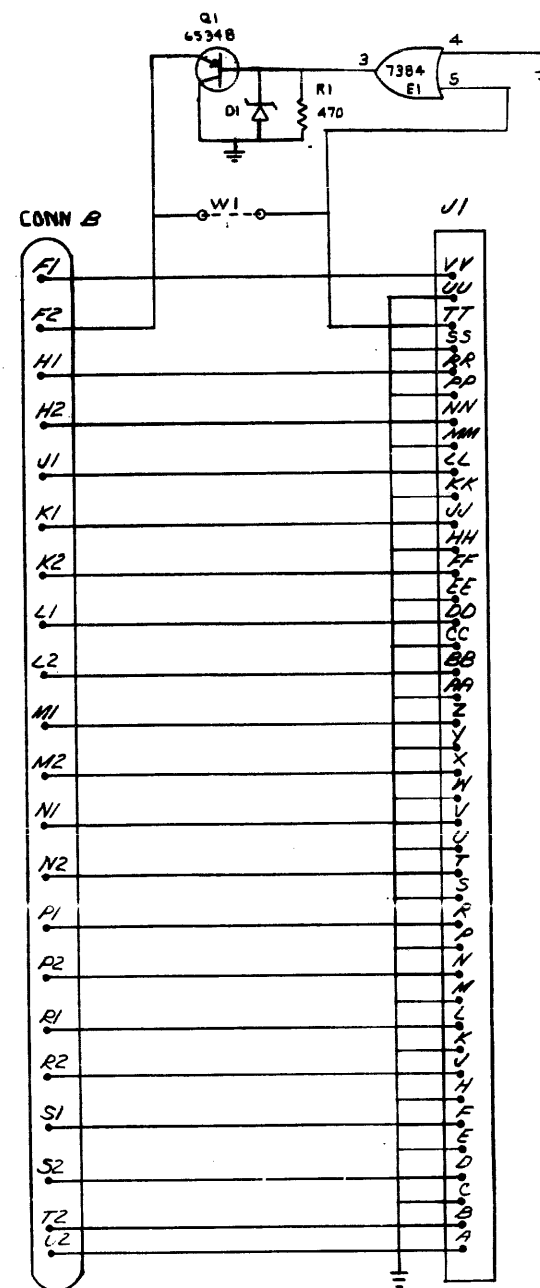
[illegible][illegible]

CHK	CHANGE NO.	REV	FIRST USED ON OPTION MODEL		PARTS LIST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			RK8-E		ETCH BOARD REV		C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

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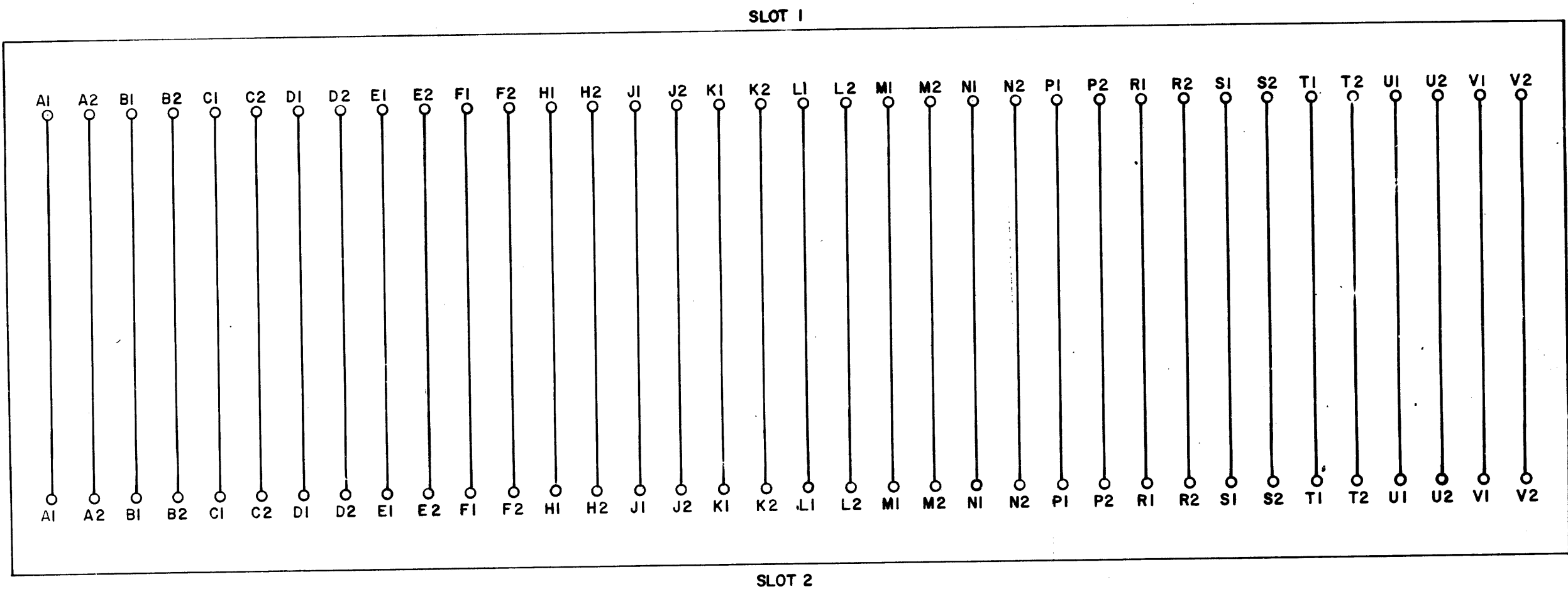


ALL UNUSED PINS ARE GROUNDED EXCEPT FOR PINS AA2, AB2, AU2 AND BB2. BA2 IS +5V.



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK8-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. DATE CHK'D. DATE	PARTS LIST		
DECIMALS	ANGLES	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
.XXX - .005	± 0° 30'	DATE			
.XX - .02		DATE	TITLE		
.X - .1		DATE			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. DATE	RK8-E CONTROL CABLE MODULE		
		DATE			
MATERIAL		NEXT HIGHER ASSY.			
		D-AD-7009026-0-0			
FINISH		SCALE			
		SHEET 3 OF 3			
		DIST.			

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UNLESS OTHERWISE INDICATED:
CONNECTOR IS A 1210152

REVISIONS	CHK	CHG NO.	REV.	B	00002	8-3-72	P. GARDNER	J. G. 702 P.G.	000003 C	R. D. Hale 11/22	P. GARDNER	5-3-73	DRN. Jeanne french	DATE 7/29/70	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE EDGE CONNECTOR H851					
													CHK'D	DATE 1-29-71	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER H851-0-1	REV C		
													PROD.	DATE 1-29-71											
																		PRINTED CIRCUIT REV. C							

DIST. 324,434,435 3 PINK

