

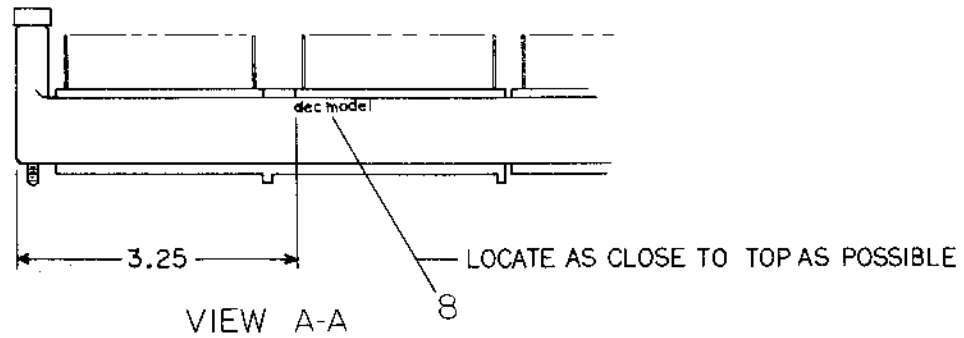
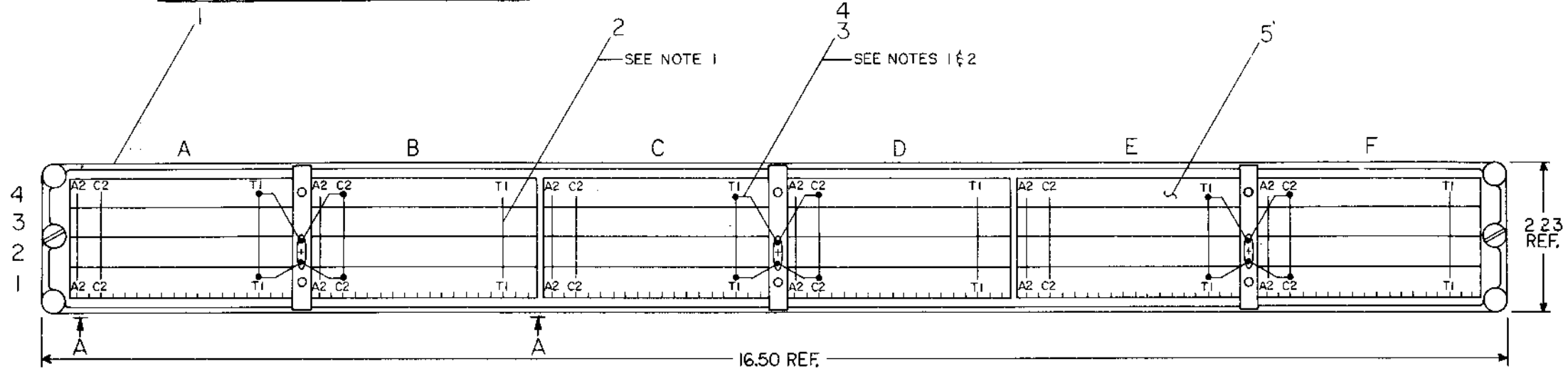
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WIRE TABLE						
ITEM NO	SIGNAL NAME	FROM PIN	TO PIN	COLOR	AWG	REMARKS
6	GND	A03D2	A03E2	BLK	24	
		A03F2	A03N1			
		A03F1	A03R1			
		A03S1	A03T1			
		A03U1	A03V1			
		A03C2	A03D2			
		A03E2	A03F2			
		A03N1	A03P1			
		A03R1	A03S1			
6	GND	A03T1	A03U1	BLK	24	
10	BUS SYN L	B01U1	E02U1	BLU	30	WIRES MUST RUN TO LEFT OF SLOT ONE
10	BUS SYN L	B02U1	E02H2	BLU	30	
10	CALIBR H	C01U1	E02E2	BLU	30	

WIRE TABLE						
ITEM NO	SIGNAL NAME	FROM PIN	TO PIN	COLOR	AWG	REMARKS
7	+5V	A03A2	B01A2	RED	24	
		A03H2	B04A2			
		C01A2	D01A2			WIRES MUST RUN TO LEFT OF SLOT ONE
		E01A2	F01A2			
		A03J2	C01A2			
		A03K2	E01A2			
		C04A2	D04A2			WIRES MUST RUN TO RIGHT OF SLOT FOUR
		E04A2	F04A2			
		A03L2	C04A2			
7	+5V	A03M2	E04A2	RED	24	
5	WC INC L	B04N2	F01A1	YEL	30	TWISTED PAIR
9	GND	B04T1	F01C2	BLK	30	

NOTES

- CONNECTIONS ON ITEMS 2 & 3 TO BE SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS
- CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN
- ALL VERTICAL HAND WIRING TO RUN OUTSIDE CONNECTOR BLOCKS

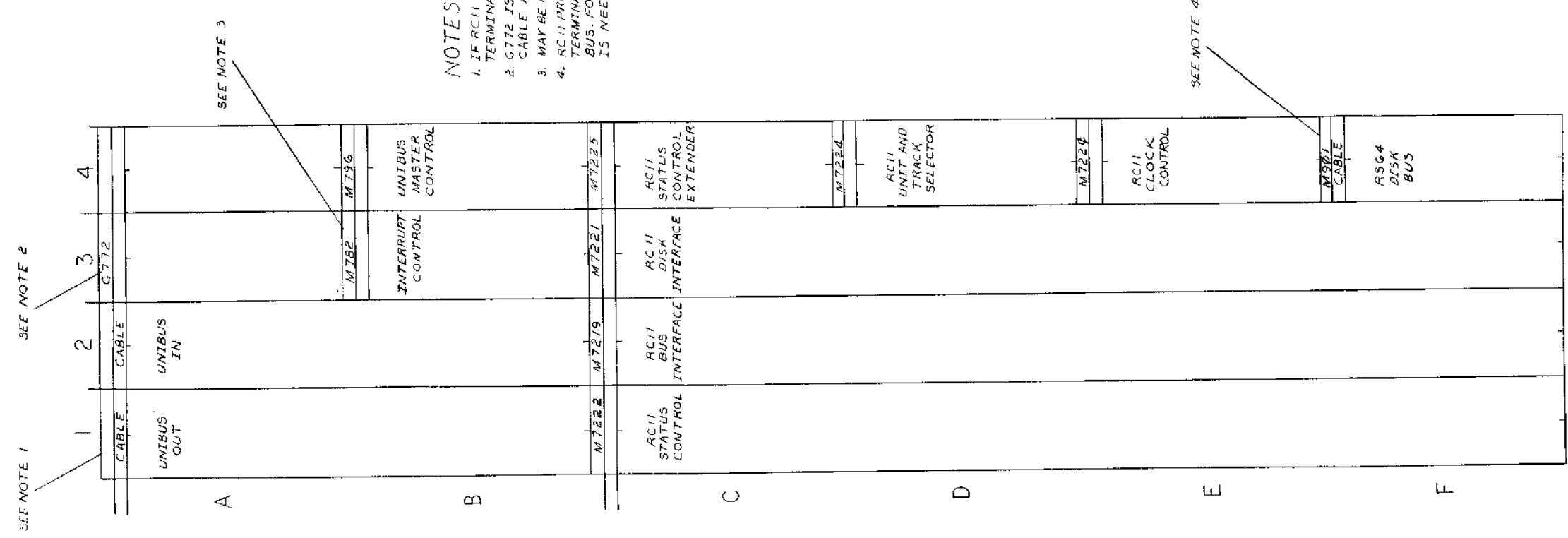


REV	CHANGE NO.	DATE	BY	CHK
A	0001	7/1/71	B. KRISHNA	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DATE	digital EQUIPMENT CORPORATION	
DECIMALS	ANGLES	DATE	TITLE	
.XXX - .005	±0° 30'	4/15/71	WIRED ASS'Y (RC11)	
.XX - .02		4/22/71	SIZE CODE	
.X - .1		4/15/71	NUMBER	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	DAD 7008398-0-0	
MATERIAL		DATE	REV.	
NEXT HIGHER ASSY.		4/15/71	A	
FINISH		SCALE	SHEET	
A-ML-RC11-0		++	OF	
			DIST.	

DAD 7008398-0-0

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NOTES:
 1. IF RCII IS THE LAST DEVICE ON THE BUS, TERMINATOR M930 PLUGS INTO THIS SLOT.
 2. G772 IS PART OF ASG4 POWER DISTRIBUTION CABLE ASSEMBLY.
 3. MAY BE M782φ.
 4. RCII PROVIDES NECESSARY DRIVING AND TERMINATING IMPEDANCE FOR ITS END OF THIS BUS. FOR THE OTHER END, TERMINATOR G739 IS NEEDED. SEE D-MU-ASG4-0-8 FOR DETAILS.

REV	CHG	NO

FIRST USED ON OPT/MOD RCII	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	CORPORATION	
DIMENSION IN INCHES				
TOLERANCES	ENG	DATE	TITLE	
DECIMALS FRACTIONS ANGLES			MODULE UTILIZATION	
± .005 ± .004 ± .030	PROJ. ENG.	DATE		
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS	PROD.	DATE		
MATERIAL	NEXT HIGHER ASSY		SIZE CODE	NUMBER
	A-ML-RCII-0		D MU	RCII-0-01
FINISH	SCALE		DIST.	
	SHEET	OF		

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PARTS REFERENCE

ITEM NO.	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
E1, E5, E10, E15		DEC 4015	IC 1010087	4
E2, E6, E11, E16, E18, E36, E41		Q-C 7400	IC 1305575	7
E3, E7, E12, E17, E21, E26, E40, E44, E48		DEC 8271	IC 1309615	9
E4, E8, E13, E32, E39, E43, E47		DEC 7416	IC 1309322	7
E14, E31		DEC 74HI06	IC 1310408	2
F15, F33, F35, F45		DEC 7404	IC 1309686	4
E20, E25		DEC 8242	IC 1309712	2
E22		DEC 7493	IC 1310018	1
E23, E30, E37, E42		DEC 7402	IC 1309004	4
E24, E32		DEC 7473	IC 1309527	2
E27		DEC 6314	IC 1309572	1
E28		DEC 7410	IC 1309573	1
E29		DEC 7450	IC 1309580	1
E34		DEC 8881	IC 1309705	1
E45, E49		DEC 74HI03	IC 1310409	2
E50		DEC 7485	IC 1310011	1
E9		DEC 7437	IC 1310091	1
C1 THRU C50		.01 MFD 100V 20% CAP	1001610	50
C51 THRU C54		5.8 MFD 35V 20% CAP	1000067	4
C55, C56		.47 PFD 100V 5% CAP	1000011	2
C57, C58, C60, C61		.470 PFD 100V 5% CAP	1000024	4
C59		100 PFD 100V 5% CAP	1000016	1
D1		564 DIODE	120114	1
R1, R18, R20		180 1/4W 5% RES	1301322	3
R2, R18, R21		350 1/4W 5% RES	1300309	3
R3		4.7K 1/4W 5% RES	1300447	1
R4		22 1/2W 10% RES	1300225	1
R5, R9, R10, R11, R13, R14, R16, R17		1K 1/4W 5% RES	1300365	8
R6, R7, R15		100 1/4W 5% RES	1300229	3
R8, R12		470 1/4W 5% RES	1300316	2
Q1, Q2		2N3646 TRANSISTOR	1503014	2

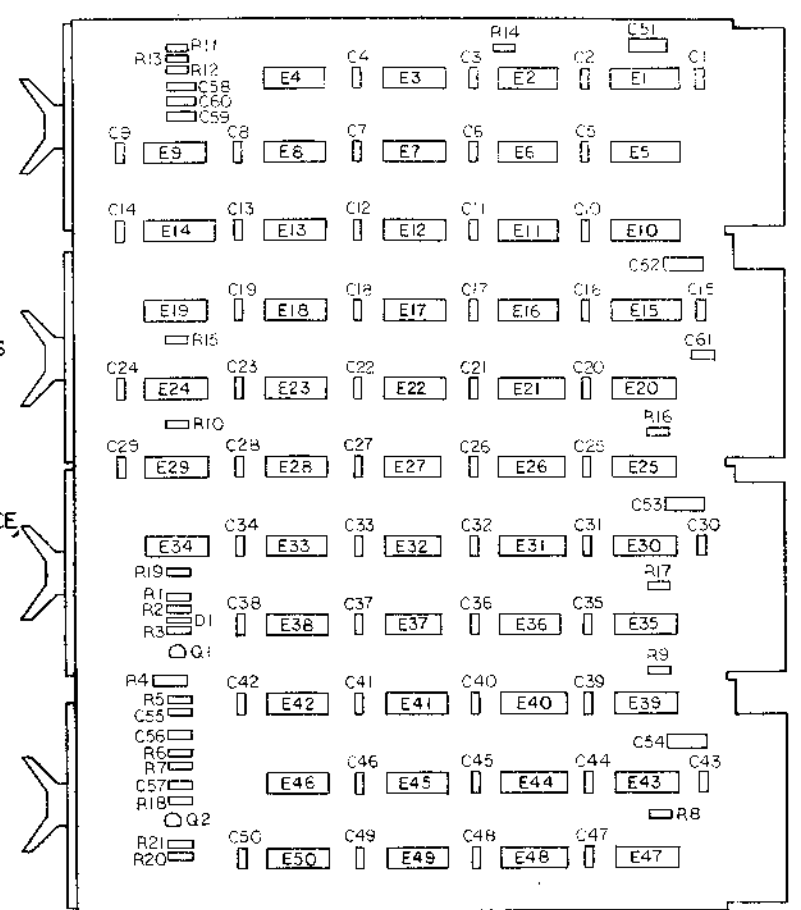
NOTES:

- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE RC I CONTROLLER. MODULE REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER, AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.
- ALL SIGNALS THAT HAVE MODULE PINS ARE SO NOTED: MULTIPLE NOTATIONS OF THE SAME SIGNALS WITHIN A MODULE HAVE THE PIN NOTED ON EACH. AN INPUT SIGNAL IS NOTED ONLY ONCE PER SHEET UNLESS SEPARATE PINS ARE USED; MULTIPLE INPUTS ARE CONNECTED. MODULE OUTPUT SIGNALS ARE BROUGHT TO THE EXTREME RIGHT OF EACH SHEET WHENEVER POSSIBLE.
- CONTROLLER SIGNAL SOURCE NOTATION (D1-2, FOR EXAMPLE) IDENTIFIES THE SIGNAL SOURCE (PRINT AND MODULE). THE FIRST NUMBER AFTER THE D INDICATES THE MODULE PRINT SET, WHILE THE SECOND INDICATES THE SHEET WITHIN THE SET. IF ON A PRINT, THE FIRST NUMBER OF THE D PREFIXES COINCIDE FOR A SIGNAL NAME AND THE PRINT (SEE TITLE BLOCK), THE SIGNAL IS GENERATED ON THE MODULE. A DIFFERENCE IN THE FIRST NUMBER OF THE D PREFIXES INDICATES A SIGNAL GENERATED OFF THE MODULE. SIGNALS WITH A "BUS" PREFIX REPRESENT A "WIRED OR" SITUATION, AND MULTIPLE SOURCES FOR THE SIGNAL CAN EXIST.
- DETAILS ON COMPONENTS ARE NOTED IN THE PARTS REFERENCE. PLACEMENT IS NOTED IN THE COMPONENT PLACEMENT DIAGRAM. CAPACITORS WITHOUT NOTED VALUES ARE .01 MFD.
- GND AND +5V ARE USUALLY PIN 7 AND PIN 14, RESPECTIVELY. EXCEPTIONS ARE:

IC TYPE	GND	+5V
DEC 4015	PIN 8	PIN 16
DEC 7473	PIN 11	PIN 4
DEC 8271	PIN 8	PIN 16
DEC 7493	PIN 8	PIN 16
DEC 74HI03	PIN 11	PIN 4
DEC 74HI06	PIN 13	PIN 5

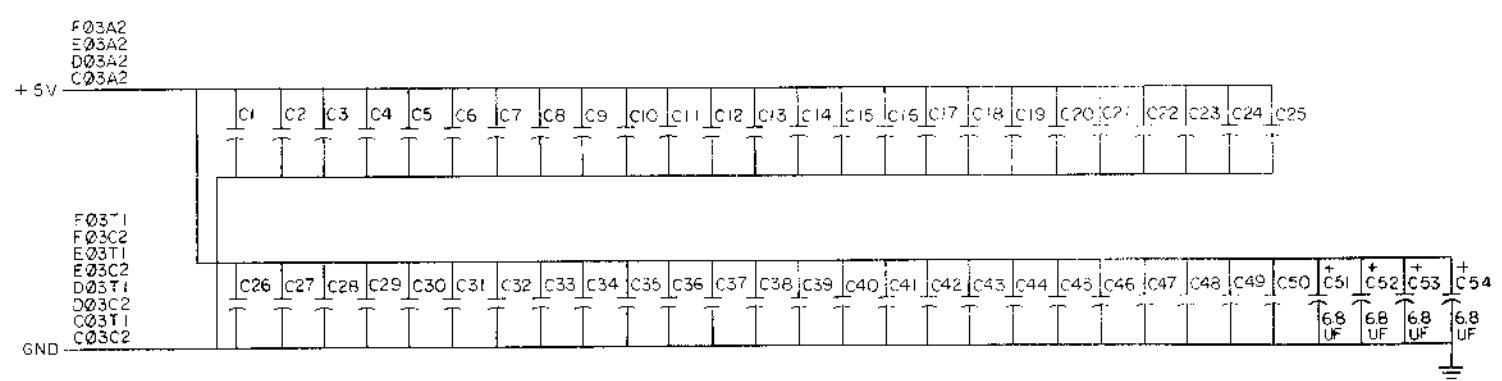
6. UNLESS OTHERWISE SPECIFIED: RESISTANCE IS IN OHMS; CAPACITANCE IS IN PICOFARADS.

COMPONENT PLACEMENT



PIN NOMENCLATURE

MODULE	CONTROLLER
A	C
B	D
C	E
D	F

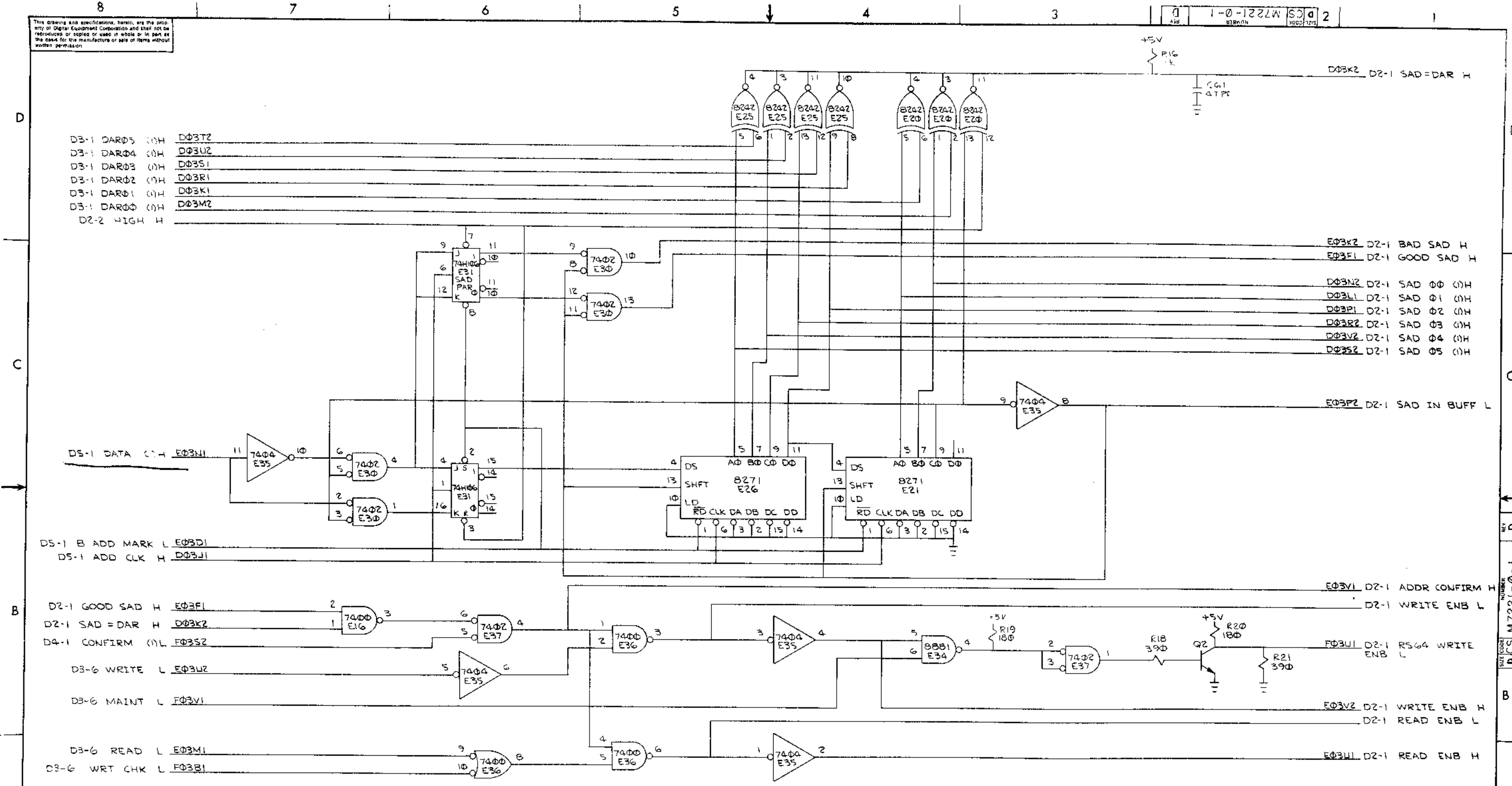


REV	CHANGE NO	DATE	BY	CHK
C				
D				
E				
F				
G				
H				
I				
J				
K				
L				
M				
N				
O				
P				
Q				
R				
S				
T				
U				
V				
W				
X				
Y				
Z				

FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
UNLESS OTHERWISE SPECIFIED				
DRAWN: W. MAJOR		DATE: 3/19/71	PARTS LIST	
CHECKED: [Signature]		DATE: 4-5-71	digital EQUIPMENT CORPORATION	
ENGINEER: [Signature]		DATE: 4/1/71	TITLE: RC11 DISK INTERFACE	
PROJ. ENG: [Signature]		DATE: 4/1/71	M7221 D2-0	
PROD: [Signature]		DATE: 4/1/71	SUB CODE: DCS M7221-0-1	
MATERIAL: + +		SCALE: NONE	REV: D	
FINISH: + +		SHEET: 1 OF 1	ETCH: D	

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CS M7221-0-1
REV. 2



D3-1 DAR05 (NH) D03T2
 D3-1 DAR04 (NH) D03U2
 D3-1 DAR03 (NH) D03S1
 D3-1 DAR02 (NH) D03R1
 D3-1 DAR01 (NH) D03K1
 D3-1 DAR00 (NH) D03M2
 D2-2 HIGH H

D03K2 D2-1 SAD=DAR H

E03K2 D2-1 BAD SAD H
 E03E1 D2-1 GOOD SAD H

D03N2 D2-1 SAD 00 (NH)
 D03L1 D2-1 SAD 01 (NH)
 D03P1 D2-1 SAD 02 (NH)
 D03R2 D2-1 SAD 03 (NH)
 D03V2 D2-1 SAD 04 (NH)
 D03S2 D2-1 SAD 05 (NH)

E03P2 D2-1 SAD IN BUFF L

D5-1 DATA (NH) E03N1
 D5-1 B ADD MARK L E03D1
 D5-1 ADD CLK H D03J1

E03V1 D2-1 ADDR CONFIRM H
 D2-1 WRITE ENB L

D2-1 GOOD SAD H E03E1
 D2-1 SAD=DAR H D03K2
 D4-1 CONFIRM (NH) E03S2
 D3-6 WRITE L E03U2
 D3-6 MAINT L E03V1

F03U1 D2-1 R564 WRITE ENB L

E03V2 D2-1 WRITE ENB H
 D2-1 READ ENB L

D3-6 READ L E03M1
 D3-6 WRT CHK L E03B1

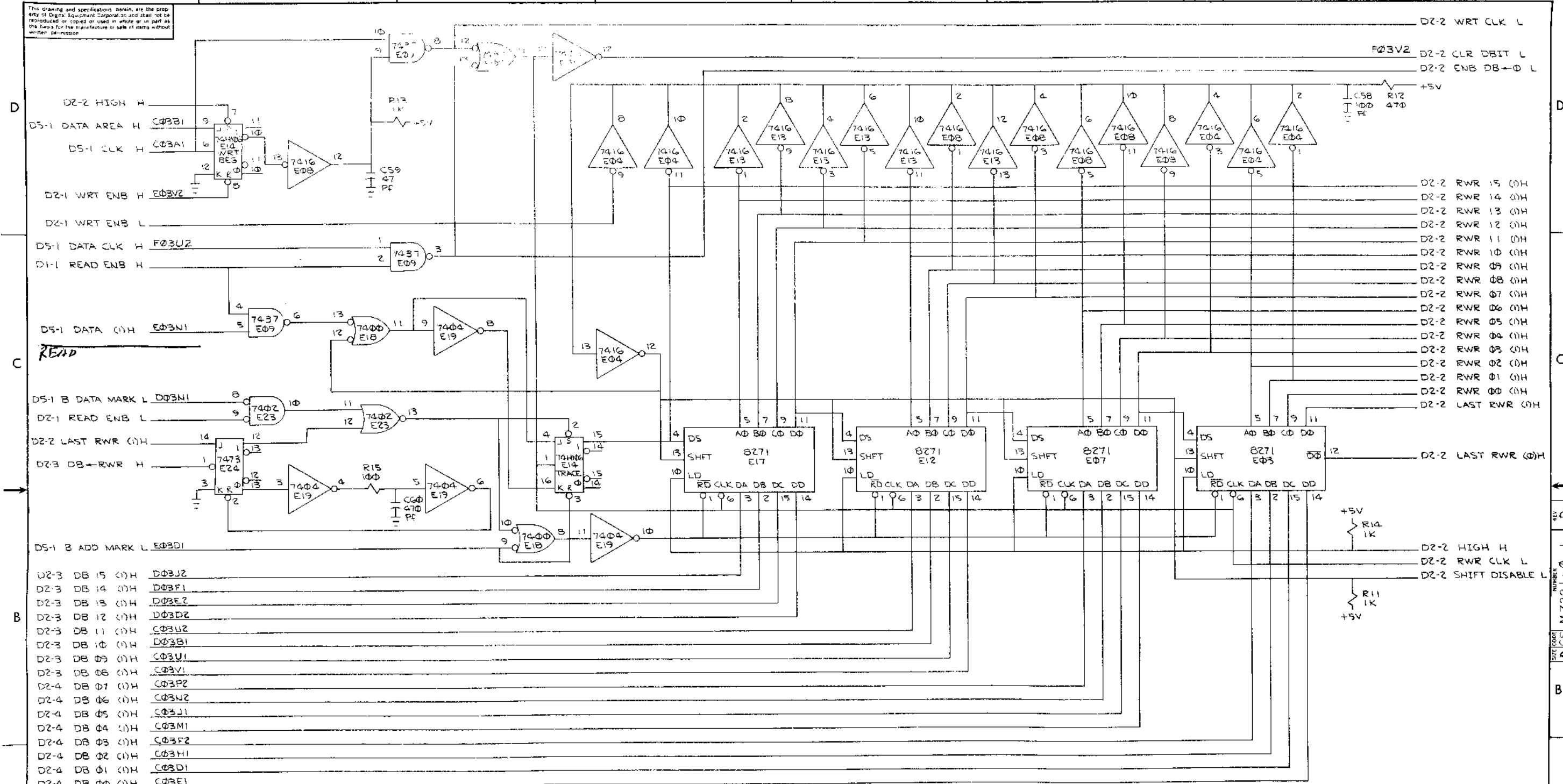
E03U1 D2-1 READ ENB H

REV	CHANGE NO.	REVISIONS

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN: W.MAJOR DATE: 3/15/71 DATE: 4/6/71 ENG: DATE: 4/2/71 PROJ. ENG. DATE: 4/1/71 PROD. DATE: 4/1/71		
DECIMALS .005	ANGLES 10° 30'	digital EQUIPMENT CORPORATION WATFORD, MASSACHUSETTS TITLE: RC11 DISK INTERFACE M7221		
.XX - .02	X - .1			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		MATERIAL: NEXT HIGHER ASSY. FINISH: A-ML-RC11-0 SCALE: NONE SHEET: 2 OF 7		
		SIZE CODE: DCS	NUMBER: M7221-0-1	REV: D

DEC FORM NO. 11871 105-0

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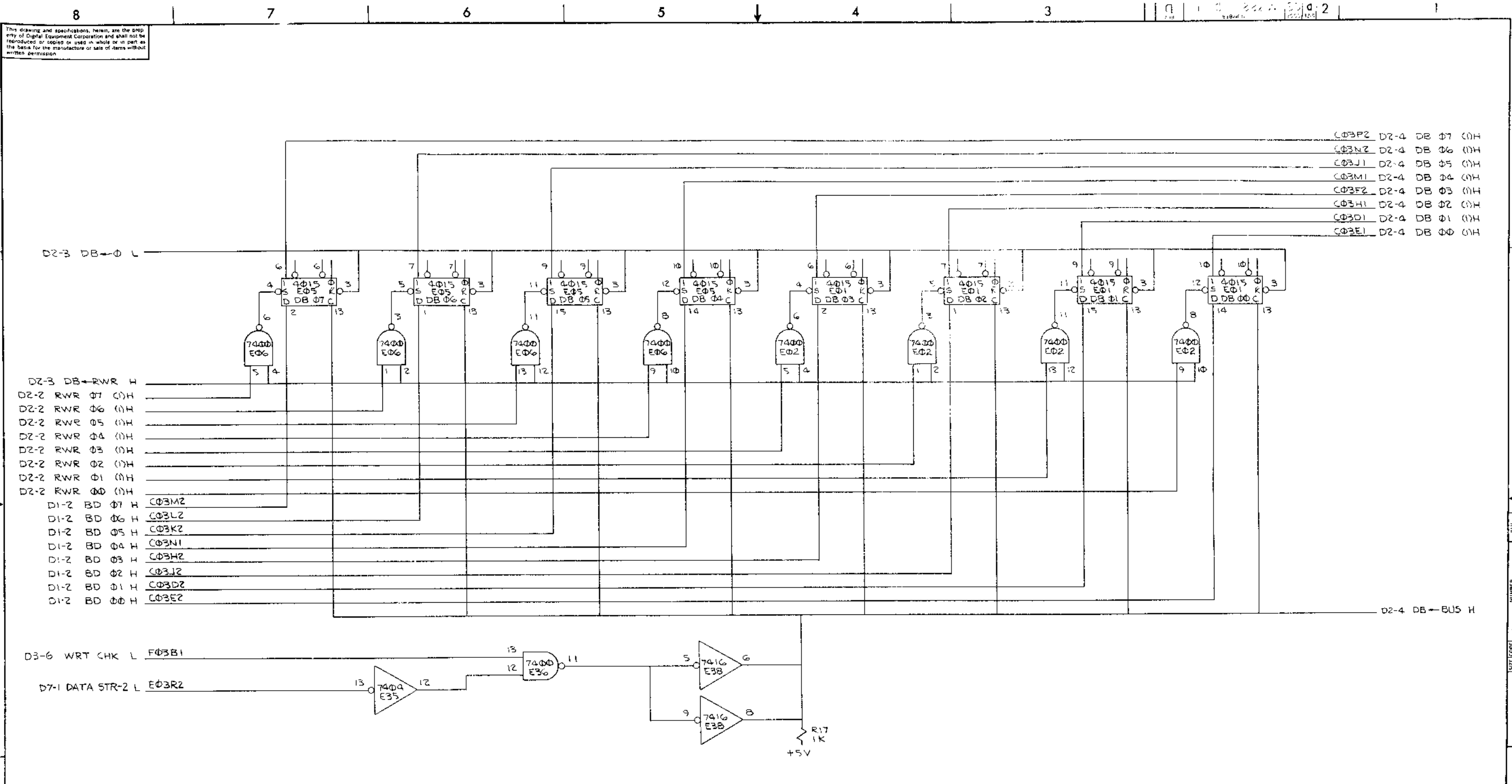


REVISIONS	REL.
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
XXX - .005	±0° 30'	digital EQUIPMENT CORPORATION		
XX - .02		TITLE		
X - .1		RC11 DISK INTERFACE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE
FINISH		SCALE		NUMBER
		SHEET 3 OF 7		DIST.

REV. D
NUMBER
DCS M7221-0-1
B

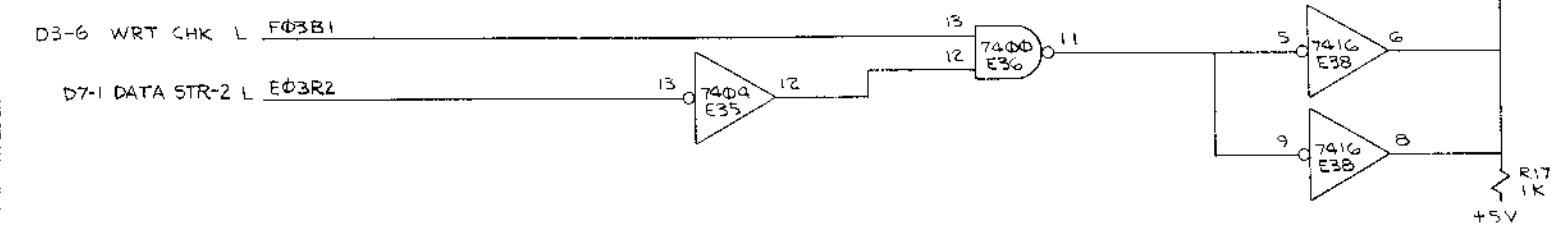
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- C03P2 D2-4 DB 07 (1)H
- C03M2 D2-4 DB 06 (1)H
- C03J1 D2-4 DB 05 (1)H
- C03M1 D2-4 DB 04 (1)H
- C03F2 D2-4 DB 03 (1)H
- C03H1 D2-4 DB 02 (1)H
- C03D1 D2-4 DB 01 (1)H
- C03E1 D2-4 DB 00 (1)H

- DZ-3 DB ← 0 L
- DZ-2 RWR 07 (1)H
- DZ-2 RWR 06 (1)H
- DZ-2 RWR 05 (1)H
- DZ-2 RWR 04 (1)H
- DZ-2 RWR 03 (1)H
- DZ-2 RWR 02 (1)H
- DZ-2 RWR 01 (1)H
- DZ-2 RWR 00 (1)H
- D1-2 BD 07 H C03M2
- D1-2 BD 06 H C03L2
- D1-2 BD 05 H C03K2
- D1-2 BD 04 H C03N1
- D1-2 BD 03 H C03H2
- D1-2 BD 02 H C03J2
- D1-2 BD 01 H C03D2
- D1-2 BD 00 H C03E2

D2-4 DB ← BUS H



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. W. MAJOR	DATE 3/16/71	 digital EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS	
DECIMALS	CHK'D.	DATE		
ANGLES	ENG.	DATE		
XXX - .005	PROJ. ENG.	DATE		
XX - .02			TITLE RC11 DISK INTERFACE M7221 D2-4	
X - .1	PROJ. ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PRD.	DATE	SIZE CODE NUMBER DCS M7221-0-1	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE NONE		REV. D	
	SHEET 5 OF 7			

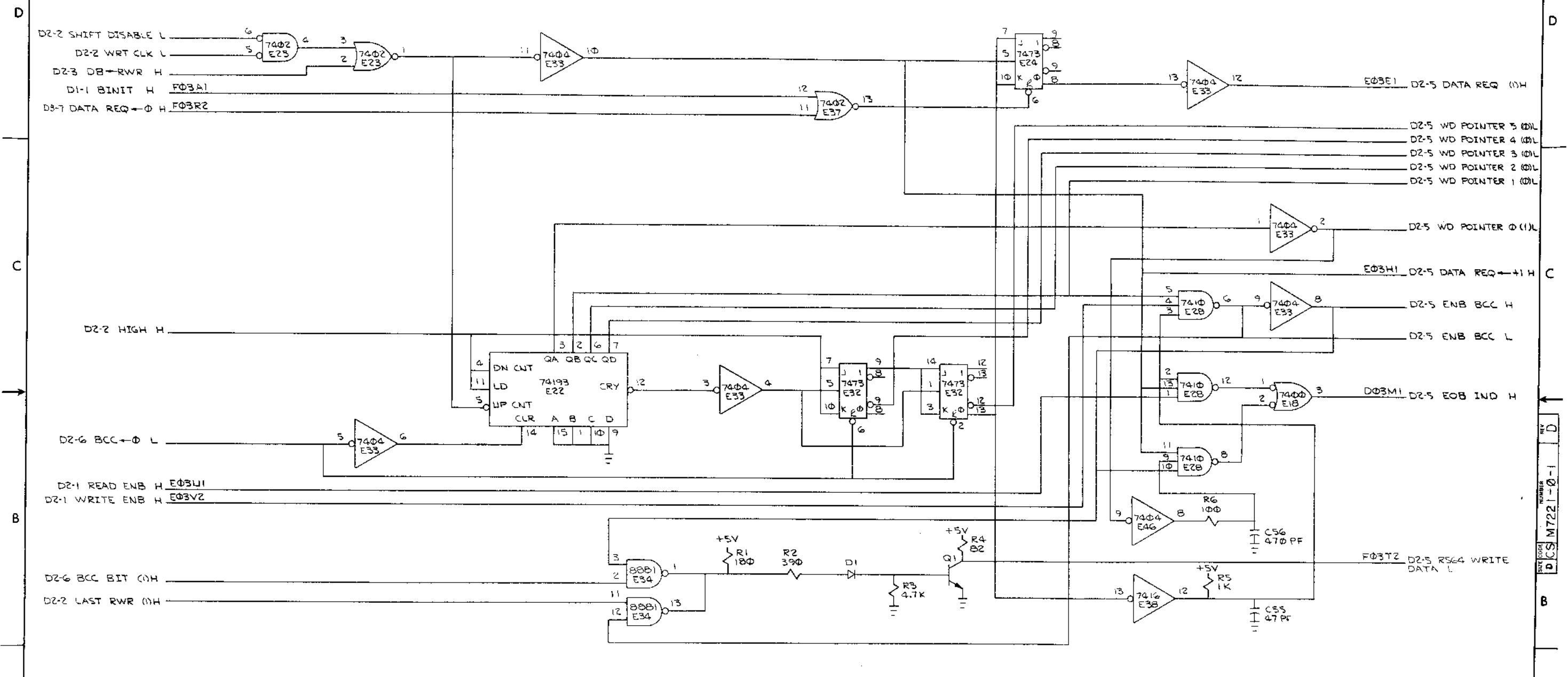
REV.	
CHANGE NO.	
CHK	

100-1000-00
REV. 10-70

SIZE CODE NUMBER
DCS M7221-0-1

REV. D

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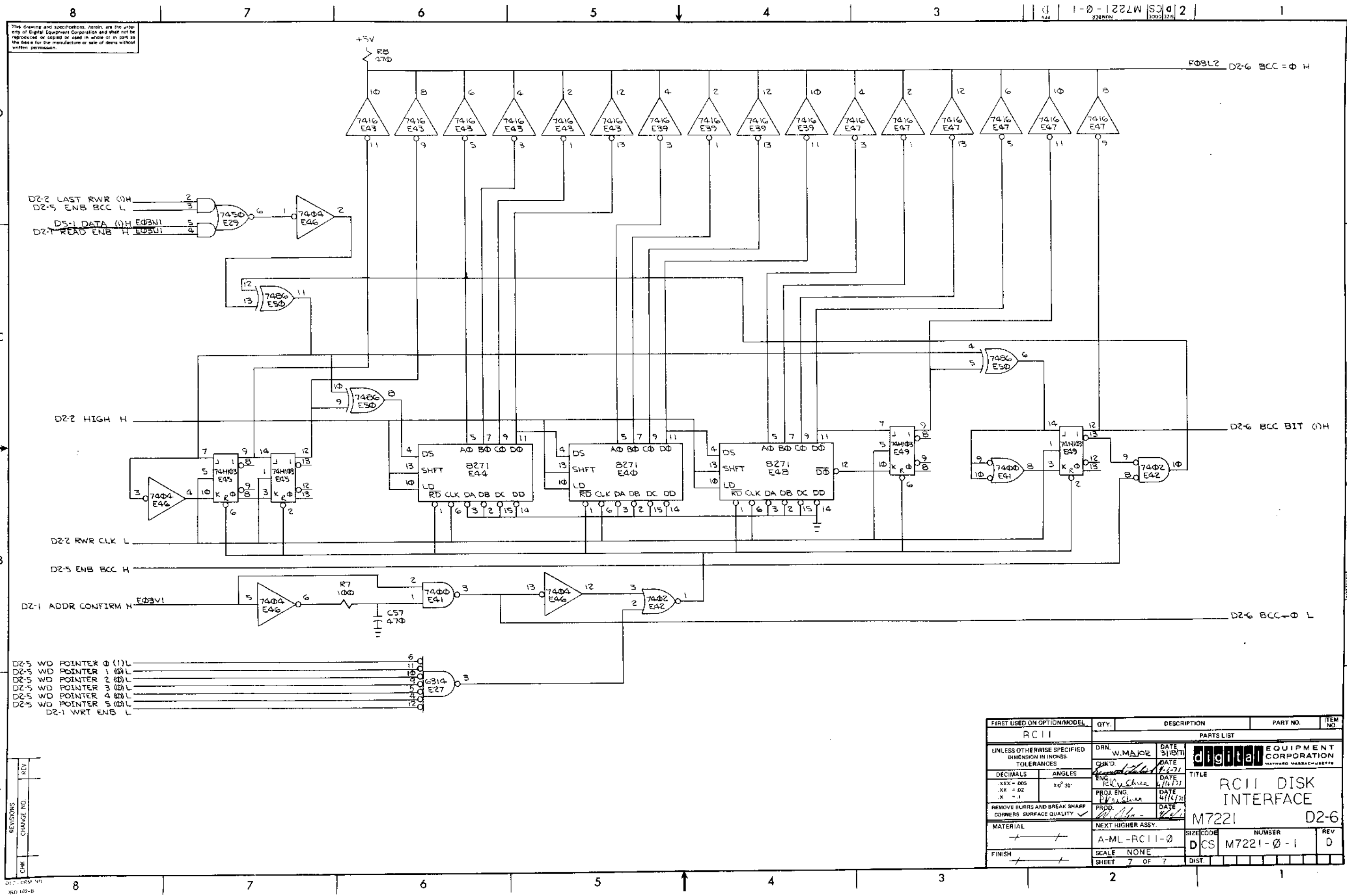
REV	
CHG	
CHK	

DEC FORM NO 782 10-68

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN W.M.S./OR	DATE 3/10/71	digital EQUIPMENT CORPORATION <small>NATLAWD MASSACHUSETTS</small>	
DECIMALS	CHK'D	DATE		
ANGLES	ENG	DATE		
XXX-.006 .XX = .02 X = .1	PROJ. ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PRD'D	DATE	TITLE RC11 DISK INTERFACE M7221 D2-5	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE NONE			
SHEET 6 OF 7			SIZE CODE DCS	NUMBER M7221-0-1
			REV. D	

REV D
 NUMBER M7221-0-1
 SIZE CODE DCS

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REV	CHG	NO.	DATE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. W. MAJOR	DATE 3/10/71	digital EQUIPMENT CORPORATION <small>WAYLAND MASSACHUSETTS</small>
DECIMALS .XXX - .005	ANGLES ±0° 30'	CHK'D. <i>[Signature]</i>	DATE 4-6-71	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		ENG. <i>[Signature]</i>	DATE 4/16/71	
MATERIAL		PRD. <i>[Signature]</i>	DATE 4/16/71	
FINISH		NEXT HIGHER ASSY.		
		A-ML-RC11-0	SIZE CODE	NUMBER
		SCALE NONE	DCS	M7221-0-1
		SHEET 7 OF 7	DIST.	

TITLE
RC11 DISK INTERFACE

M7221 D2-6

SIZE CODE NUMBER REV
 DCS M7221-0-1 0

REV D
 NUMBER M7221-0-1
 SIZE CODE DCS

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D 1-0-2222-0-1

PARTS REFERENCE

ITEM NO	DRAWINGS REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	C56,C59	CAP 820PF 100V 5% DM	1000027	2
2	C56	CAP 470PF 100V 5% DM	1000024	1
3	C1-C55	CAP C 100V 20% DISC	1001610	55
4	C57	CAP 100E 25V 10% TANT	1004815	1
5	D1	DIODE D5E4	1001114	1
6	R6,R11,R12	RES 100 1/4 W 5%	1300229	3
7	R6,R16	RES 390 1/4 W 5%	1300309	2
8	R1-R5,R7,R13-R15,R16-R22	RES 1K 1/4 W 5%	1300355	14
9	R7,R17	RES 190 1/4 W 5%	1301322	2
10	R10	RES 56K 1/4 W 5%	1302295	1
11	E13,E27,E43	IC DEC 7474	1905549	1
12	E14,E25,E28,E42,E44	IC DEC 7400	1905575	5
13	E25,E54	IC DEC 7410	1905576	2
14	E30	IC DEC 7440	1905578	1
15	E19	IC DEC 7476	1905585	1
16	E10	IC DEC 7473	1905587	1
17	E18	IC DEC 7401	1905590	1
18	E9,E24,E39	IC DEC 7402	1905604	3
19	E20	IC DEC 7415	1905605	1
20	E4	IC DEC 7415	1905605	1
21	E48,E53	IC DEC 8201	1905613	1
22	E4,E12,E15,E29,E40,E49	IC DEC 8271	1905615	2
23	E6,E21,E38,E51	IC DEC 7404	1905686	4
24	E1,E11,E26,E41	IC DEC 8681	1905705	5
25	E45,E55	IC DEC 8242	1905712	4
26	E3,E34	IC DEC 8815	1905713	2
27	E2,E7,E17,E22,E32,E37,E47,E52	IC DEC 7416	1905928	2
28	E20	IC DEC 7415	1905937	1
29	E16,E31,E33,E46	IC DEC 7486	1910011	1
30	E8,E23,E36	IC DEC 7419	1910018	4
REF		IC DEC 4015P	1910057	3
REF		IC STATUS CONTROL	A-PL-M7222-0-0	

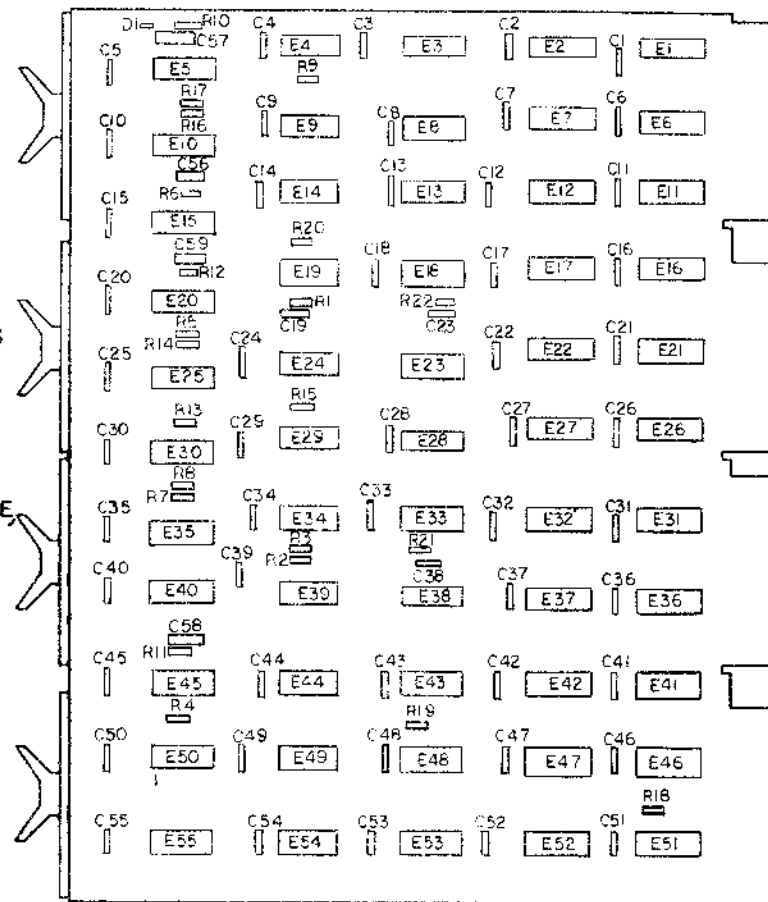
NOTES:

- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE CONTROLLER. MODULE REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER, AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.
- ALL SIGNALS THAT HAVE MODULE PINS ARE SO NOTED; MULTIPLE NOTATIONS OF THE SAME SIGNALS WITHIN A MODULE HAVE THE PIN NOTED ON EACH. AN INPUT SIGNAL IS NOTED ONLY ONCE PER SHEET UNLESS SEPERATE PINS ARE USED; MULTIPLE INPUTS ARE CONNECTED. MODULE OUTPUT SIGNALS ARE BROUGHT TO THE EXTREME RIGHT OF EACH SHEET WHENEVER POSSIBLE.
- CONTROLLER SIGNAL SOURCE NOTATION (D1-2 FOR EXAMPLE) IDENTIFIES THE SIGNAL SOURCE (PRINT AND MODULE). THE FIRST NUMBER AFTER THE D INDICATES THE MODULE PRINT SET, WHILE THE SECOND INDICATES THE SHEET WITHIN THE SET. IF ON A PRINT, THE FIRST NUMBER OF THE D PREFIXES COINCIDE FOR A SIGNAL NAME AND THE PRINT (SEE TITLE BLOCK), THE SIGNAL IS GENERATED ON THE MODULE. A DIFFERENCE IN THE FIRST NUMBER OF THE D PREFIXES INDICATES A SIGNAL GENERATED OFF THE MODULE. SIGNALS WITH A "BUS" PREFIX REPRESENT A "WIRED OR" SITUATION, AND MULTIPLE SOURCES FOR THE SIGNAL CAN EXIST.
- DETAILS ON COMPONENTS ARE NOTED IN THE PARTS REFERENCE. PLACEMENT IS NOTED IN THE COMPONENT PLACEMENT DIAGRAM.
- GND AND +5V ARE USUALLY PIN 7 AND PIN 14, RESPECTIVELY. EXCEPTIONS ARE:

IC TYPE	GND	+5V
DEC 7476	PIN 13	PIN 5
DEC 74153	PIN 5	PIN 16
DEC 74193	PIN 8	PIN 16
DEC 8271	PIN 8	PIN 16

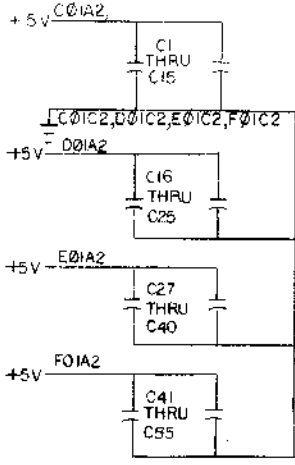
6. UNLESS OTHERWISE NOTED: RESISTANCE IS IN OHMS; CAPACITANCE IS IN PICOFARADS. CAPACITORS WITHOUT ANY NOTED VALUES ARE .01 MFD.

COMPONENT PLACEMENT



PIN NOMENCLATURE

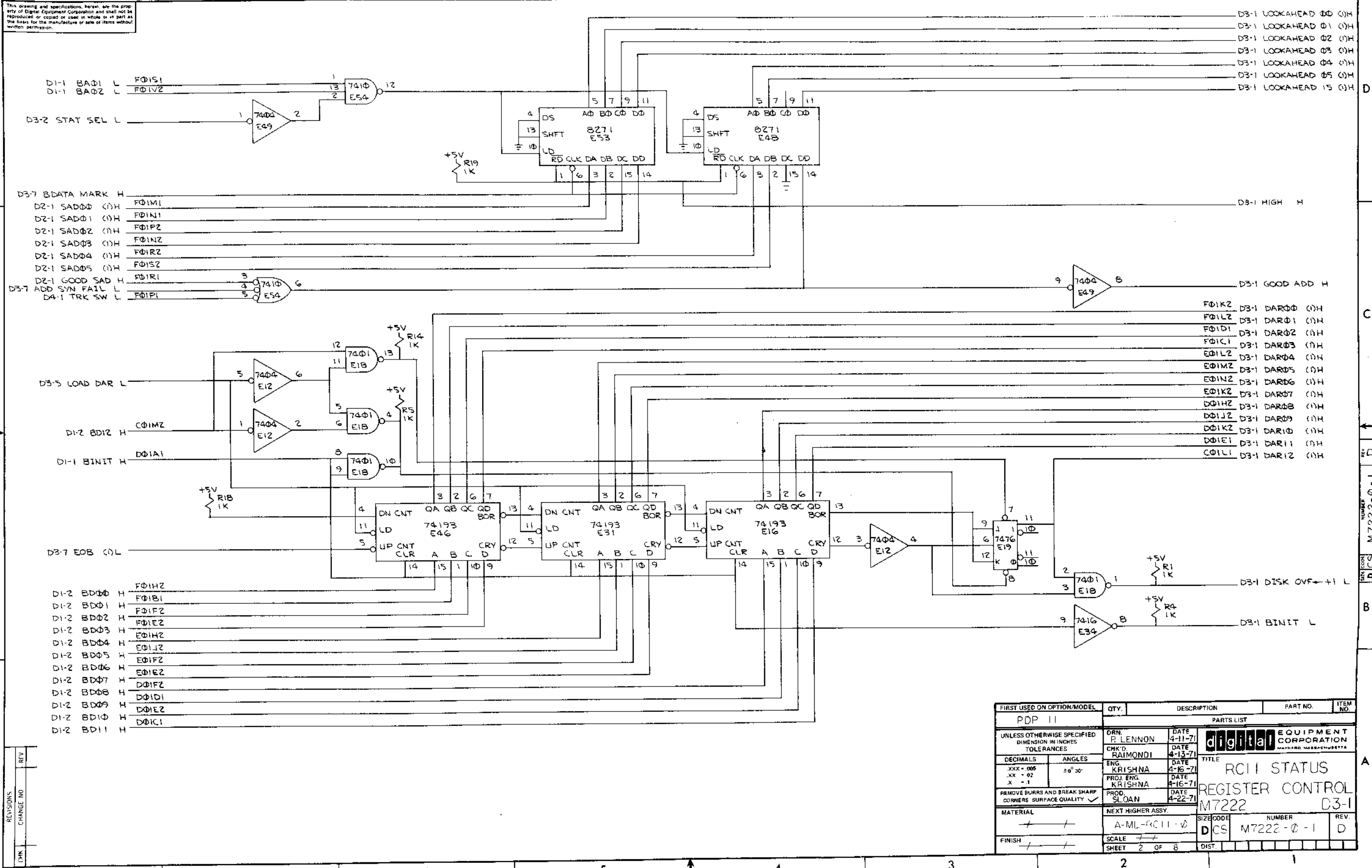
MODULE	CONTROLLER
A	C
B	D
C	E
D	F



REV	CHANGE NO	DATE	BY	CHKD
1	1	7/1/71	KRISHNA	DR
2	1	7/1/71	KRISHNA	DR
3	1	7/1/71	KRISHNA	DR
4	1	7/1/71	KRISHNA	DR

ETCH REV D	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
UNLESS OTHERWISE SPECIFIED	OWN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	DATE	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES	DATE	DATE	TITLE	
DECIMALS FRACTIONS ANGLES	DATE	DATE	RC11 STATUS CONTROL	
± .005 ± .004 ± .003	DATE	DATE	M7222 D3-0	
FINAL SURFACE QUALITY	DATE	DATE	A-ML-RC11-0	
REMOVE BURRS AND BREAK SHARP EDGES	DATE	DATE	D3-0	
MATERIAL	DATE	DATE	D3-0	
FINISH	DATE	DATE	D3-0	
	SCALE	SCALE	D3-0	
	SHEET	OF 8	D3-0	

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- D1-1 BAD1 L F01S1
- D1-1 BAD2 L F01VZ
- D3-2 STAT SEL L
- D3-7 BDATA MARK H
- D2-1 SAD00 ()H F01M1
- D2-1 SAD01 ()H F01N1
- D2-1 SAD02 ()H F01PZ
- D2-1 SAD03 ()H F01NZ
- D2-1 SAD04 ()H F01RZ
- D2-1 SAD05 ()H F01SZ
- D2-1 GOOD SAD H F01R1
- D3-7 ADD SYN FAIL L F01PI
- D4-1 TRK SW L F01PI

- D3-5 LOAD DAR L
- D1-2 BD1Z H C01MZ
- D1-1 BINIT H D01A1

- D3-7 EOB ()L
- D1-2 BD00 H F01HZ
- D1-2 BD01 H F01B1
- D1-2 BD02 H F01FZ
- D1-2 BD03 H F01EZ
- D1-2 BD04 H E01JZ
- D1-2 BD05 H E01FZ
- D1-2 BD06 H E01EZ
- D1-2 BD07 H D01FZ
- D1-2 BD08 H D01D1
- D1-2 BD09 H D01EZ
- D1-2 BD10 H D01K1
- D1-2 BD11 H D01K1

- D3-1 LOOKAHEAD 00 ()H
- D3-1 LOOKAHEAD 01 ()H
- D3-1 LOOKAHEAD 02 ()H
- D3-1 LOOKAHEAD 03 ()H
- D3-1 LOOKAHEAD 04 ()H
- D3-1 LOOKAHEAD 05 ()H
- D3-1 LOOKAHEAD 15 ()H

- D3-1 HIGH H
- D3-1 GOOD ADD H

- F01KZ D3-1 DAR00 ()H
- F01LZ D3-1 DAR01 ()H
- F01D1 D3-1 DAR02 ()H
- F01C1 D3-1 DAR03 ()H
- E01LZ D3-1 DAR04 ()H
- E01MZ D3-1 DAR05 ()H
- E01NZ D3-1 DAR06 ()H
- E01KZ D3-1 DAR07 ()H
- D01HZ D3-1 DAR08 ()H
- D01JZ D3-1 DAR09 ()H
- D01KZ D3-1 DAR10 ()H
- D01E1 D3-1 DAR11 ()H
- C01L1 D3-1 DAR12 ()H

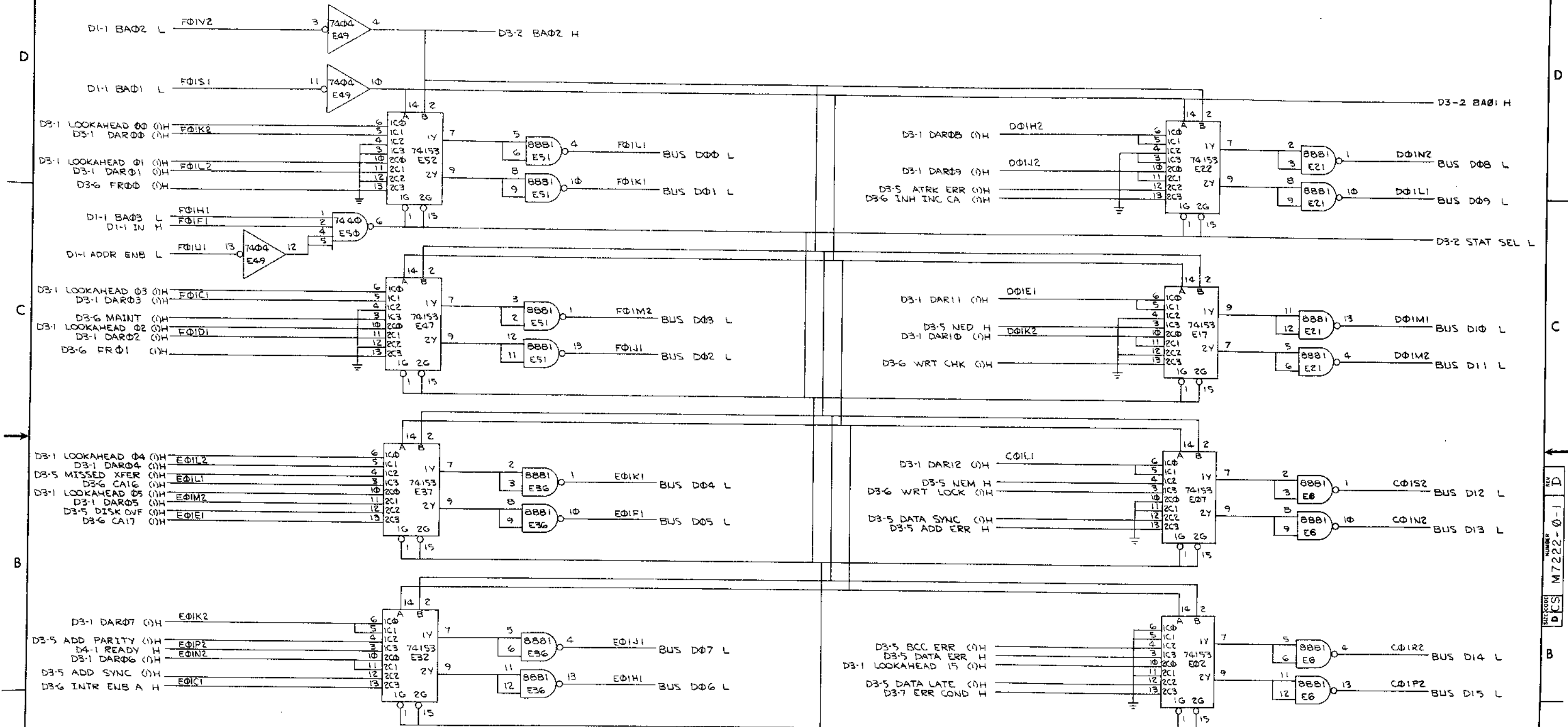
- D3-1 DISK OVF +1 L
- D3-1 BINIT L

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. P. LENNON 4-11-71	DATE	 digital EQUIPMENT CORPORATION <small>NATYARD MASSACHUSETTS</small>	
DECIMALS .XXX ± .005	CHK'D. RAIMONDI 4-13-71	DATE		
ANGLES 30° ± 30'	ENG. KRISHNA 4-16-71	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROJ. ENG. KRISHNA 4-16-71	DATE		
MATERIAL	PROD. SI OAN 4-22-71	DATE		
FINISH	NEXT HIGHER ASSY. A-ML-RC11-0		SIZE CODE DCS	NUMBER M7222-0-1
	SCALE			REV. D
	SHEET 2 OF 6	DIST.		

REVISIONS
CHANGE NO. REV.

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1-0-2222W SCS 2

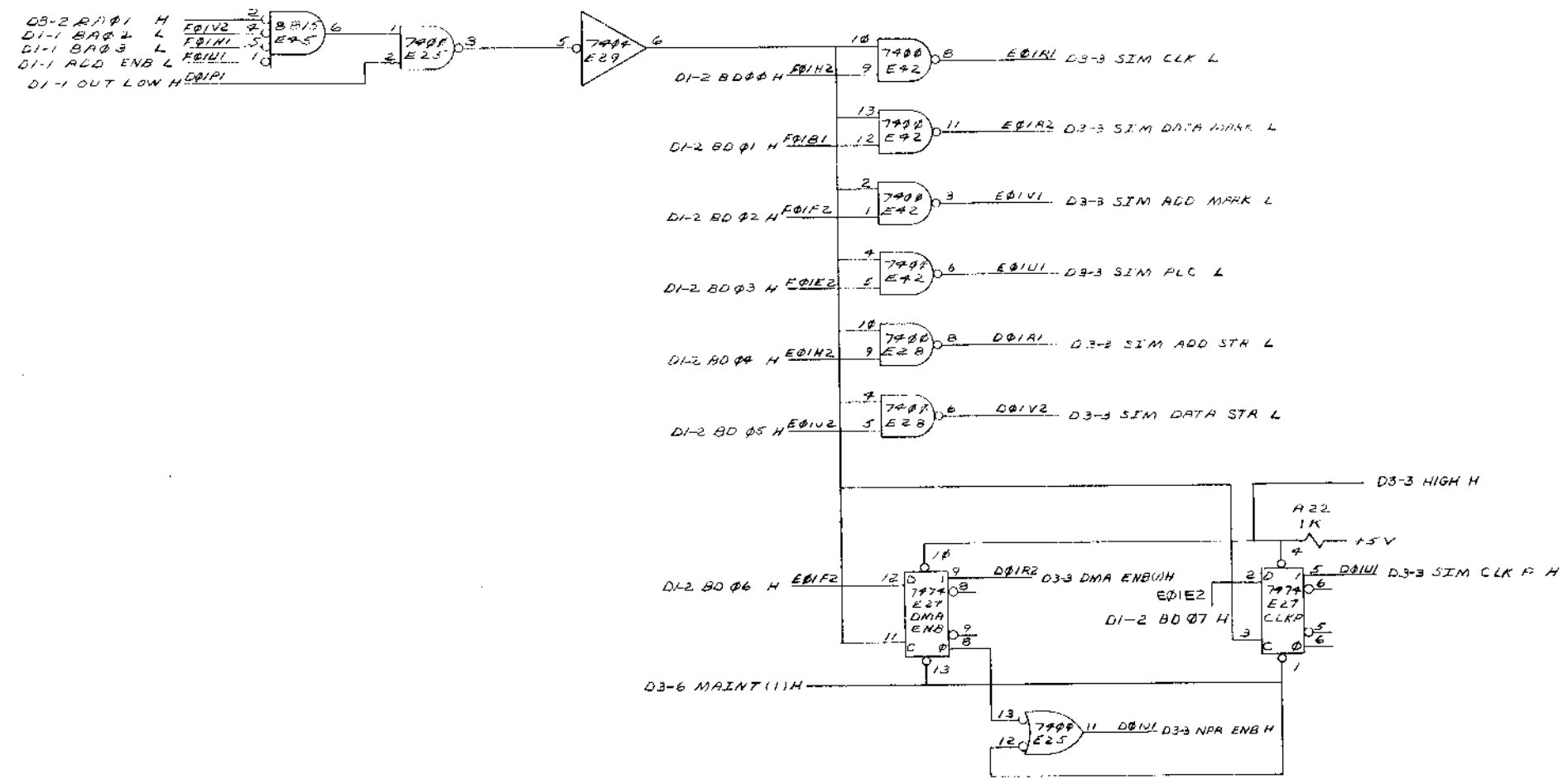


REV	CHANGE NO.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN P. LENNON	DATE 4-11-71	digital CORPORATION <small>NATICK, MASSACHUSETTS</small> TITLE RC11 STATUS REGISTER CONTROL M7222
DECIMALS	ANGLES	CHK'D RAIMONDI	DATE 4-13-71	
XXX - .006	±0' 30"	ENG. KRISHNA	DATE 4-16-71	
XX - .02		PROJ. ENG. KRISHNA	DATE 4-16-71	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. SLOAN	DATE 4-22-71	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	A-ML-RC11-0	SCALE	SIZE CODE	NUMBER
		SHEET 3 OF 6	DCS	M7222-0-1
			DIST.	REV. D

M7222-0-1

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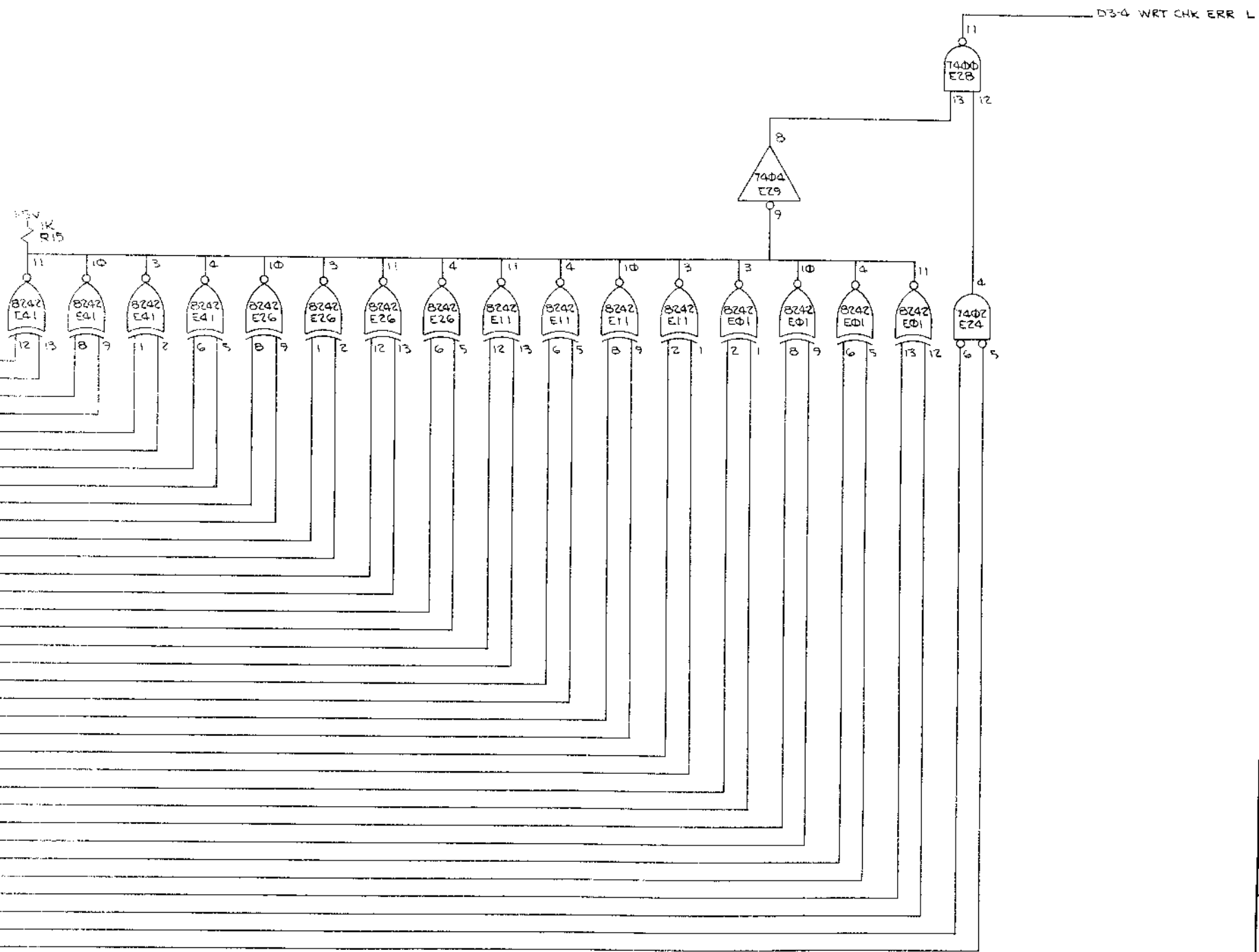


REVISIONS	REV
CHANGE NO	
CHK	

FIRST USED ON OPT/ MOD PDP 11	QTY.	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	RC11 STATUS CONTROL	
DIMENSION IN INCHES	ENG	DATE	M7222 D3-3	
TOLERANCES	PROJ ENG	DATE	SIZE CODE	
DECIMALS = 005	PROD	DATE	SCALE NONE	
FRACTIONS = 1/64	NEXT HIGHER ASSY		SHEET 4 OF 8	
ANGLES = 0°30'	A-ML-RC11-0		DIST	
FINAL SURFACE QUALITY			REV D	
REMOVE BURRS AND BREAK SHARP CORNERS			REV D	
MATERIAL			REV D	
FINISH			REV D	

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- D2-4 DB00 (H) E01Y2
- D1-2 BD00 H F01HZ
- D2-4 DB01 (H) E01S2
- D1-2 BD01 H F01B1
- D2-4 DB02 (H) E01S1
- D1-2 BD02 H F01F2
- D2-4 DB03 (H) F01D2
- D1-2 BD03 H F01E2
- D2-4 DB04 (H) D01S2
- D1-2 BD04 H E01HZ
- D2-4 DB05 (H) D01W2
- D1-2 BD05 H E01J2
- D2-4 DB06 (H) D01Y2
- D1-2 BD06 H E01F2
- D2-4 DB07 (H) E01D2
- D1-2 BD07 H E01E2
- D2-3 DB08 (H) C01U2
- D1-2 BD08 H D01F2
- D2-3 DB09 (H) D01B1
- D1-2 BD09 H D01D1
- D2-3 DB10 (H) C01Y2
- D1-2 BD10 H D01E2
- D2-3 DB11 (H) D01C1
- D1-2 BD11 H C01L2
- D2-3 DB12 (H) C01M2
- D1-2 BD12 H E01E2
- D2-3 DB13 (H) C01D2
- D1-2 BD13 H C01J2
- D2-3 DB14 (H) C01K2
- D1-2 BD14 H C01HZ
- D2-3 DB15 (H) C01F2
- D1-2 BD15 H
- D3-6 WRT CHK L
- D7-1 DATA STR-2 L

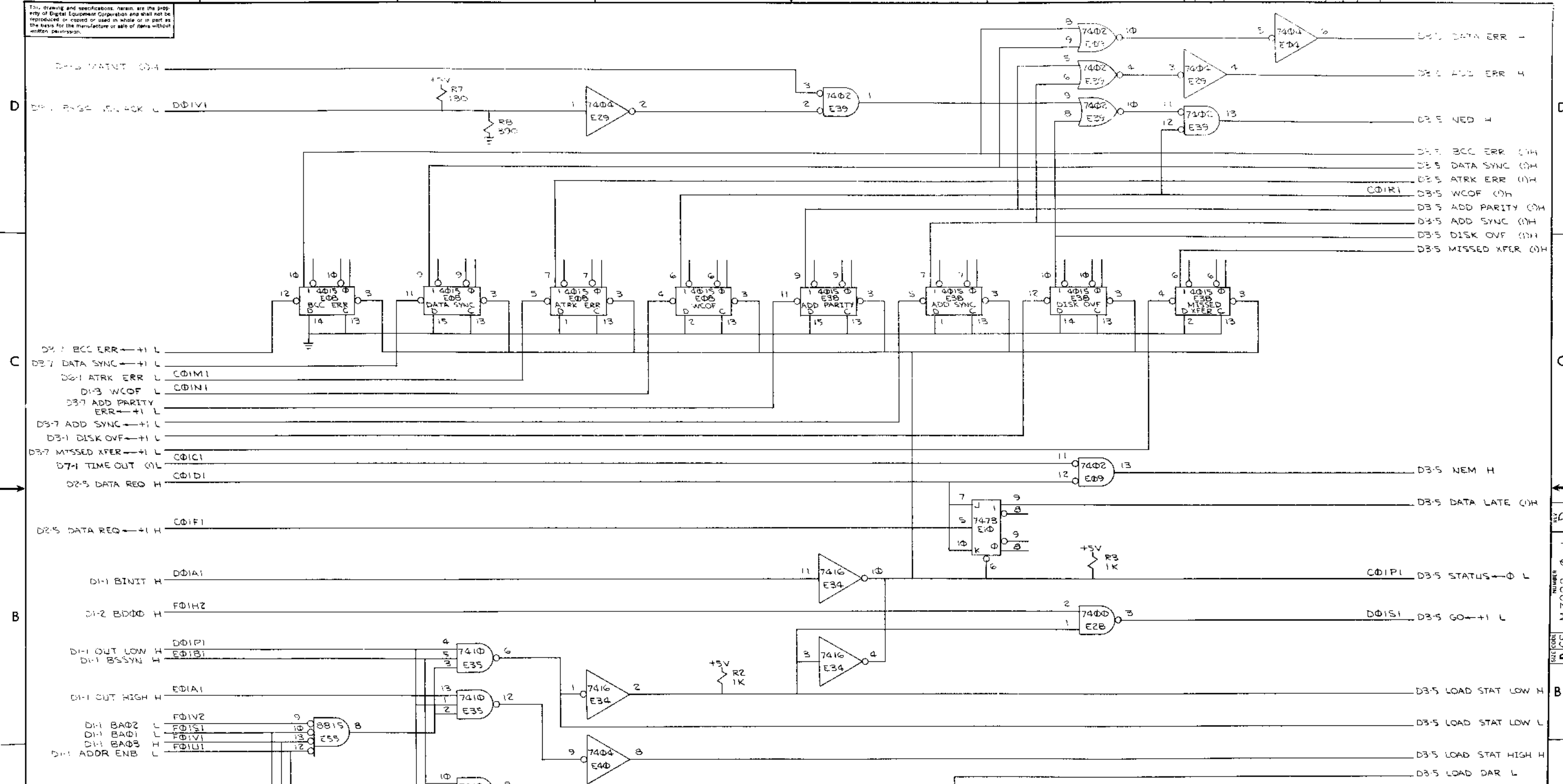


REV	
CHG	
REF	
CHG	
REF	

FIRST USED ON OPTION/MODEL PDP 11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN P. LENNON	DATE 4-11-71	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX - .005 .XX - .02 .X - .1	CHK'D RAYMOND	DATE 4-13-71		
ANGLES 10' 30'	ENG. KRISHNA	DATE 4-16-71	TITLE RCI1 STATUS REGISTER CONTROL M7222 D3-4	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. KRISHNA	DATE 4-16-71		
MATERIAL	PROD. SLOAN	DATE 4-22-71	SIZE CODE D CS	NUMBER M7222-0-1
FINISH	NEXT HIGHER ASSY. A-VL-RC11-D	SCALE	DIST.	REV. D
	SHEET 5 OF 6			

REV. D
NUMBER
D CS M7222-0-1

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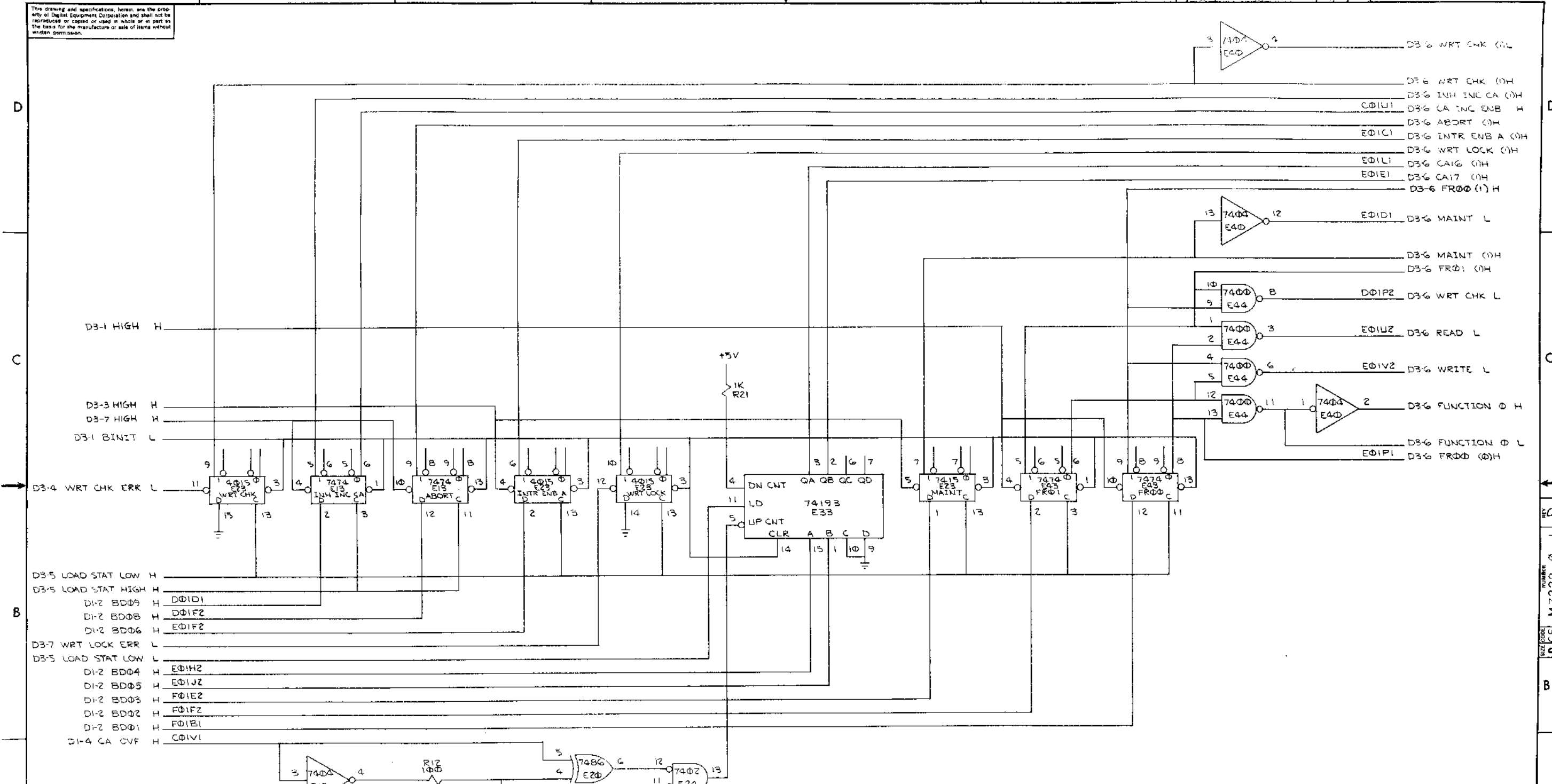


REV	
CHG	
REVISIONS	
CHG	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRM P. LENNON	DATE 4-11-71		
DECIMALS ANGLES	CHK'D RAIMONDI	DATE 4-13-71		
XXX - .005 20° 30'	ENG KRISHNA	DATE 4-16-71		
.XX - .02	PROJ ENG KRISHNA	DATE 4-16-71		
.X - .1	PROD SLOAN	DATE 4-22-71	TITLE RCI11 STATUS REGISTER CONTROL M7222 D3-5	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
MATERIAL	A-ML-RC11		DCS	M7222-0-1
FINISH	SCALE		SHEET	REV
	SHEET 6 OF 8		DIST	

REV D
 NUMBER M7222-0-1
 DCS

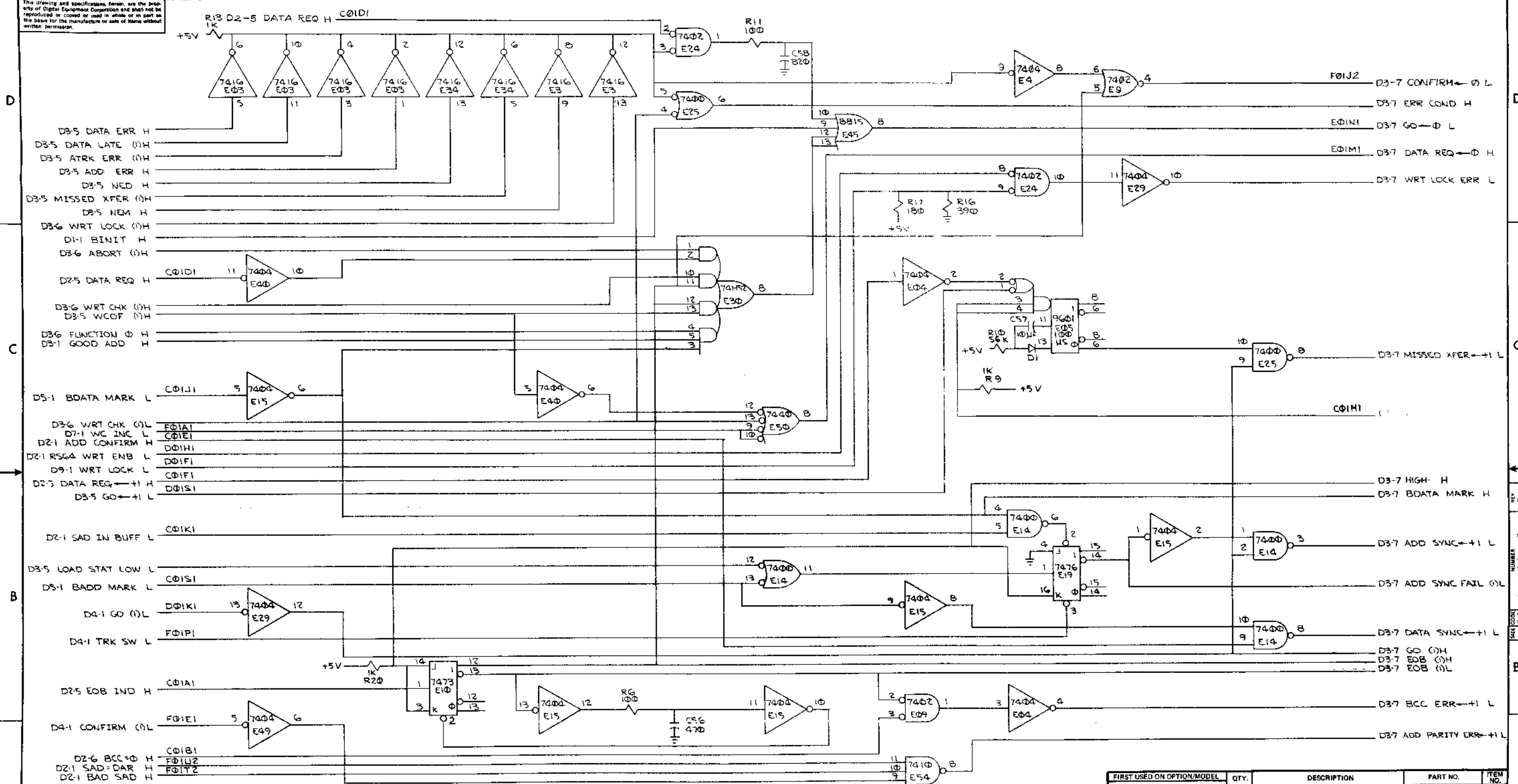
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REV	NO	DATE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. P. LENNON	DATE 4-11-71	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DECIMALS	CHK'D RAIMONDI	DATE 4-13-71		
ANGLES	ENG. KRISHNA	DATE 4-16-71		
.XXX - .005 XX - .02 X - .1	PROJ. ENG. KRISHNA	DATE 4-16-71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. SLOAN	DATE 4-22-71	TITLE RC11 STATUS REGISTER CONTROL M7222 D3-6	
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE DCS	NUMBER M7222-0-
FINISH			SCALE	REV 2
			SHEET 7 OF 8	DIST.

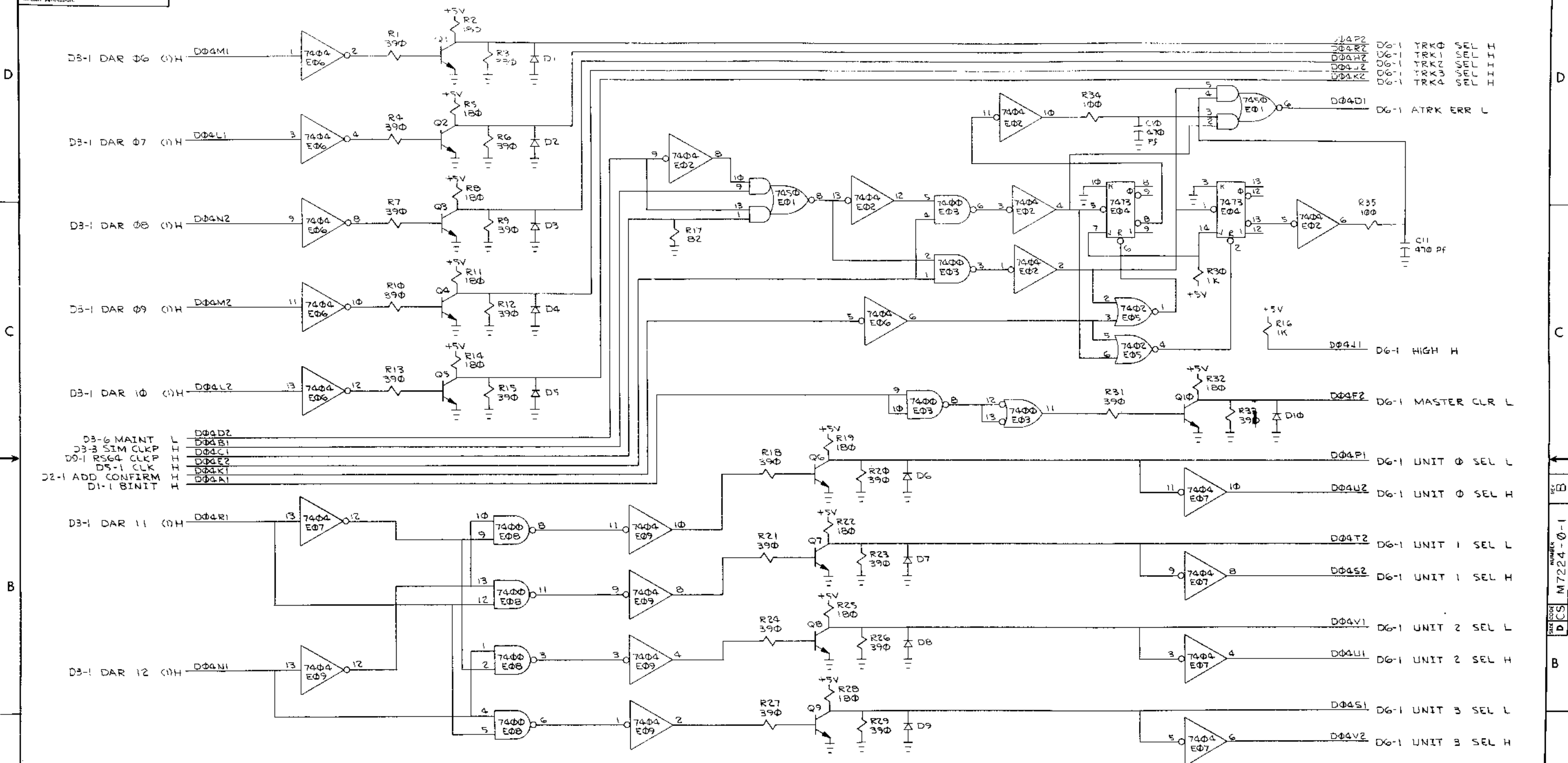
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REV.	
CHG	
NO.	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. P. LENNON	DATE 4-11-71	digital EQUIPMENT CORPORATION TITLE RC11 STATUS REGISTER CONTROL M7222 D3-7 SIZE CODE A-ML-RC11-0 SCALE SHEET 8 OF 8	
DECIMALS .XXX ± .006	CHK'D RAIMONDI	DATE 4-13-71		
ANGLES ±0° 30'	ENG. KRISHNA	DATE 4-15-71		
.XX ± .02	PROJ. ENG. KRISHNA	DATE 4-16-71		
.X ± .1	PROD. SLOAN	DATE 4-22-71	NUMBER DCS M7222-0-1 REV. D	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	MATERIAL NEXT HIGHER ASSY.			
FINISH	DIST.			

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REV	NO.
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES:				
TOLERANCES	DRN W.MAJOR	DATE 3/27/71	PARTS LIST	
DECIMALS	CHK'D.	DATE 4/7/71	digital EQUIPMENT CORPORATION	
ANGLES	ENG. R. R. SHINE	DATE 6-9-71	MAYFIELD MASSACHUSETTS	
XXX - .006	PROL. ENG. R. R. SHINE	DATE 4-9-71	TITLE	
.XX - .02	PROD. R. R. SHINE	DATE	RC11 UNIT & TRACK SELECTOR	
X - .1			M7224 D6-1	
REMOVES BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	A-ML-RC11-0	D CS	M7224-0-1	B
SCALE NONE	SHEET 2 OF 2	DIST.		

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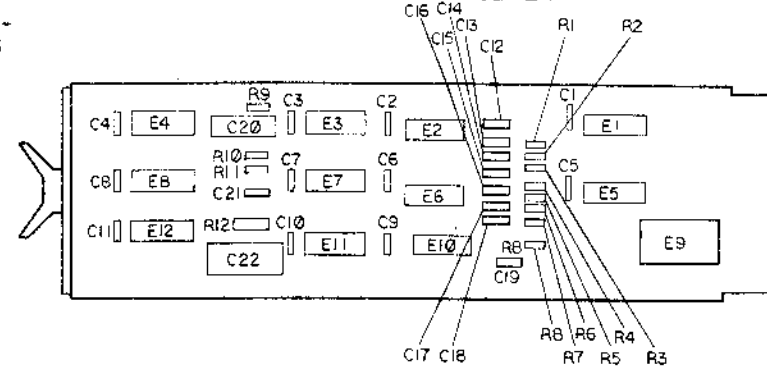
PARTS REFERENCE

ITEM NO	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
E4	DEC 7400	IC	1905515	1
E5	DEC 7402	IC	1908004	1
E1, E2	DEC 7404	IC	1909686	2
E10	DEC 7430	IC	1905575	1
E12	DEC 7474	IC	1905547	1
E2, E3	DEC 7486	IC	1910011	2
E3, E7, E11	DEC 9601	IC	1909487	3
C1 THRU C11	.01 MFD 100V 20% CAP		1001610	11
C12 THRU C18	.020 PFD 100V 5% CAP		1000027	7
C19	.47 PFD 100V 5% CAP		1000024	1
C20	.47 MFD 35V 10% CAP		1005964	1
C21	.047 MFD 16V 15% 20% CAP		1009678	1
C22	.022 MFD 100V 10% CAP		1002323	1
R1 THRU R8	100 1/4W 5% RES		1300229	8
R9	56K 1/4W 5% RES		1302395	1
R10	1K 1/4W 5% RES		1300365	1
R11	22K 1/4W 5% RES		1301808	1
R12	47K 1/4W 5% RES		1302177	1
E9	PRIORITY JUMPER LEVEL			1
REF	STATUS CONTROL EXTENDER	A-PLM7225-0-0		

NOTES:

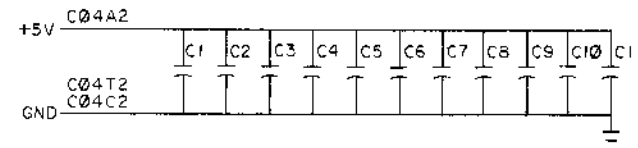
- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE PCB CONTROLLER. MODULE REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER, AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.
- ALL SIGNALS THAT HAVE MODULE PINS ARE SO NOTED; MULTIPLE NOTATIONS OF THE SAME SIGNALS WITHIN A MODULE HAVE THE PIN NOTED ON EACH. AN INPUT SIGNAL IS NOTED ONLY ONCE PER SHEET UNLESS SEPERATE PINS ARE USED; MULTIPLE INPUTS ARE CONNECTED. MODULE OUTPUT SIGNALS ARE BROUGHT TO THE EXTREME RIGHT OF EACH SHEET WHENEVER POSSIBLE.
- CONTROLLER SIGNAL SOURCE NOTATION (D1-2, FOR EXAMPLE) IDENTIFIES THE SIGNAL SOURCE (PRINT AND MODULE). THE FIRST NUMBER AFTER THE D INDICATES THE MODULE PRINT SET, WHILE THE SECOND INDICATES THE SHEET WITHIN THE SET. IF ON A PRINT, THE FIRST NUMBER OF THE D PREFIXES COINCIDE FOR A SIGNAL NAME AND THE PRINT (SEE TITLE BLOCK), THE SIGNAL IS GENERATED ON THE MODULE. A DIFFERENCE IN THE FIRST NUMBER OF THE D PREFIXES INDICATES A SIGNAL GENERATED OFF THE MODULE. SIGNALS WITH A "BUS" PREFIX REPRESENT A "WIRED OR" SITUATION, AND MULTIPLE SOURCES FOR THE SIGNAL CAN EXIST.
- DETAILS ON COMPONENTS ARE NOTED IN THE PARTS REFERENCE. PLACEMENT IS NOTED IN THE COMPONENT PLACEMENT DIAGRAM. CAPACITORS WITHOUT NOTED VALUES ARE .01 MFD.
- GND AND +5V ARE USUALLY PIN 7 AND PIN 14, RESPECTIVELY.
- UNLESS OTHERWISE NOTED: RESISTANCE IS IN OHMS; CAPACITANCE IS IN PICOFARADS.

COMPONENT PLACEMENT



PIN NOMENCLATURE

MODULE	CONTROLLER
A	C



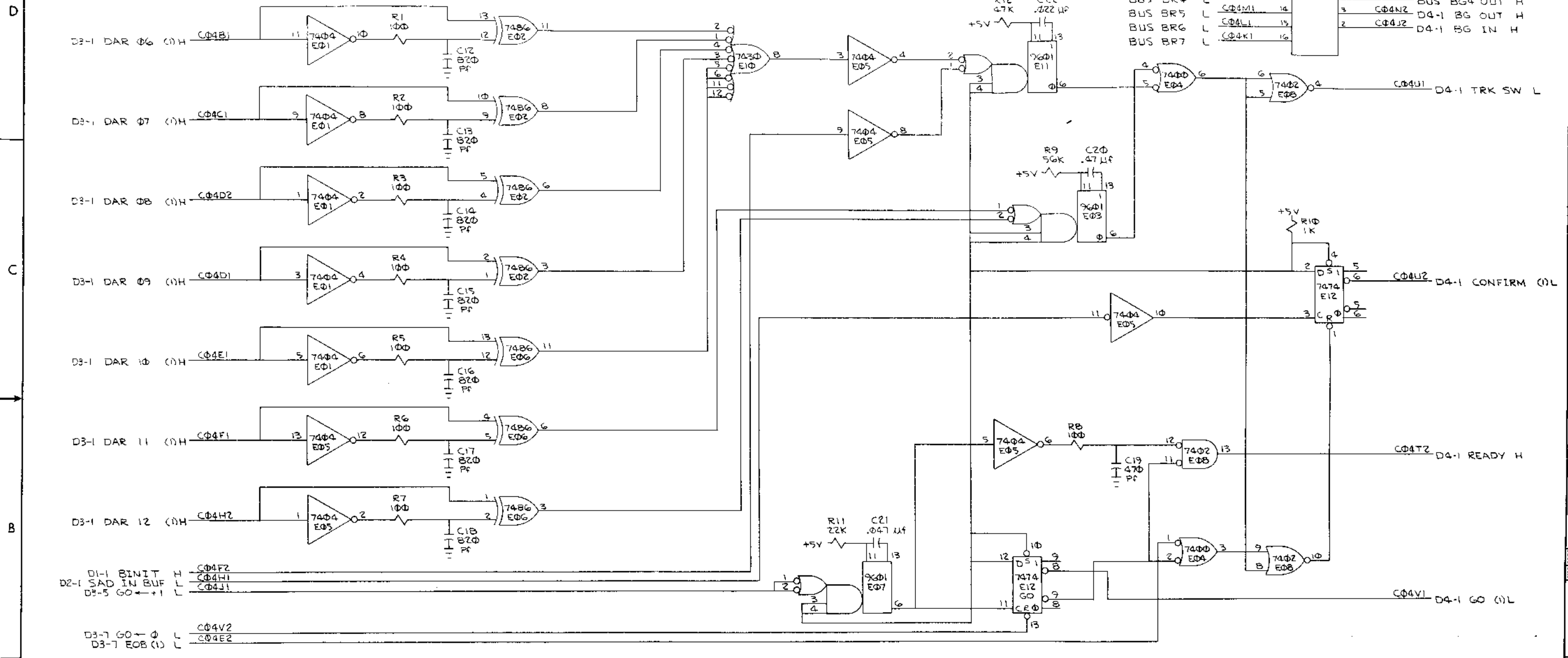
FIRST USED ON OPTION / MODEL RC11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN. W.M.A.108	DATE 3/8/71	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHK'D. <i>[Signature]</i>	DATE 4/6/71	digital EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS	
TOLERANCES	ENG. <i>[Signature]</i>	DATE 4/19/71	TITLE RC11 STATUS CONTROL EXTENDER	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG. <i>[Signature]</i>	DATE 4/19/71	M7225 D4-0	
MATERIAL	PROD.	DATE	NEXT HIGHER ASSY. A-ML-RC11-0	
FINISH	SCALE	SHEET 1 OF 2	SIZE/CODE NUMBER REV. DCS M7225-0-1 A	
ETCH B			DST.	

REVISIONS	CHG	CHANGE NO	REV
		ORIGINATED	A

REV A
M7225-0-1
DCS

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BUS BG6 IN H	C0419	9	C04P2	BUS BG6 OUT H
BUS BG7 OUT H	C04M2	10	C04R2	BUS BG5 IN H
BUS BG7 IN H	C04L2	11	C04S2	BUS BG5 OUT H
DB-1 INT RED L	C04K2	12	C04S1	BUS BG4 IN H
BUS BR4 L	C04N1	13	C04R1	BUS BG4 OUT H
BUS BR5 L	C04M1	14	C04N2	D4-1 BG OUT H
BUS BR6 L	C04L1	15	C04J2	D4-1 BG IN H
BUS BR7 L	C04K1	16		



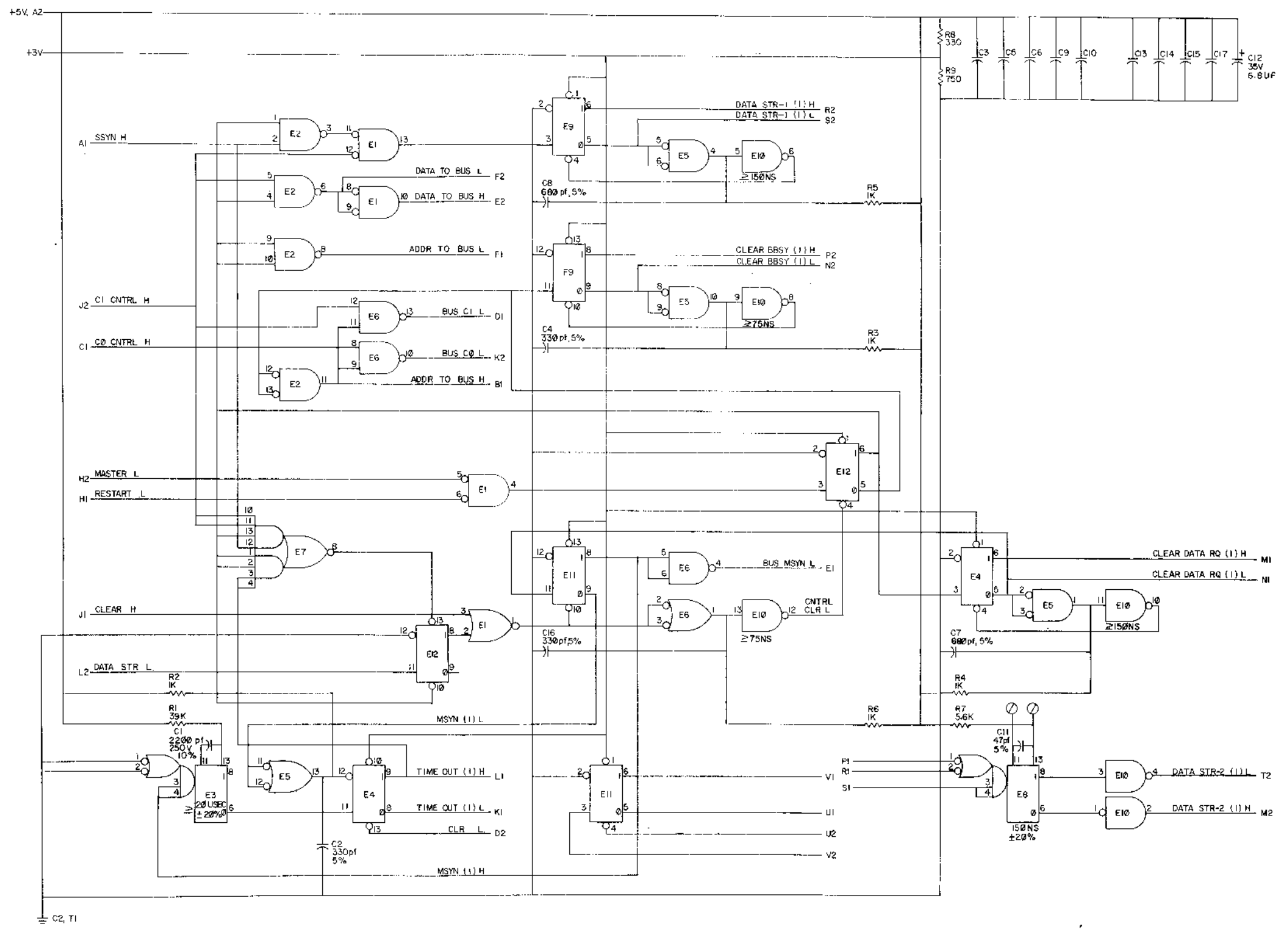
D1-1 BINIT H C04F2
 D2-1 SAD IN BUF L C04H1
 D3-5 GO ← +1 L C04J1
 D3-7 GO ← 0 L C04V2
 D3-7 EOB (1) L C04E2

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. W. MAJOR	DATE 3/5/71	digital EQUIPMENT CORPORATION 300 NASSAQUETTS ST. N. ANDOVER, MASSACHUSETTS
DECIMALS	ANGLES	CHK'D. <i>[Signature]</i>	DATE 1-6-71	
.XXX - .005	±0° 30'	ENG. <i>[Signature]</i>	DATE 4/9/71	
.XX - .02		PROJ. ENG. <i>[Signature]</i>	DATE 4/9/71	
.X - .1		PROD. <i>[Signature]</i>	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL		NEXT HIGHER ASSY.		TITLE RC11 STATUS CONTROL EXTENDER M7225 D4-1
FINISH		A-ML-RC11-0		
SCALE NONE		SIZE CODE	NUMBER	REV.
SHEET 2 OF 2		D CS	M7225-0-1	A

REV.	NO.	DATE	BY

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REV. 0
1-0-86ZM
M796-0-1



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01uF, 100V, 20%
E1 IS DEC7402
E2 IS DEC7402
E3, E8 ARE DEC9601
E4, E9, E11, E12 ARE DEC7474
E5 IS DEC7401
E6 IS DEC8881
E7 IS DEC74H55
E10 IS DEC7404
⊙ = SPLIT LUGS

REV. B
NUMBER M796-0-1
CS

REVISIONS		DATE		TRANSISTOR & DIODE CONVERSION CHART			TITLE	
CHANGED BY	REV.	DATE	DATE	DEC	EIA		DEC	EIA
DEC 21 1970 DEC 21 1970 DEC 21 1970 DEC 21 1970				DEC 21 1970 DEC 21 1970 DEC 21 1970 DEC 21 1970		DEC 21 1970 DEC 21 1970 DEC 21 1970 DEC 21 1970		UNIBUS MASTER CONTROL NUMBER M796-0-1 SIZE D CS PRINTED CIRCUIT REV. A B

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PARTS REFERENCE

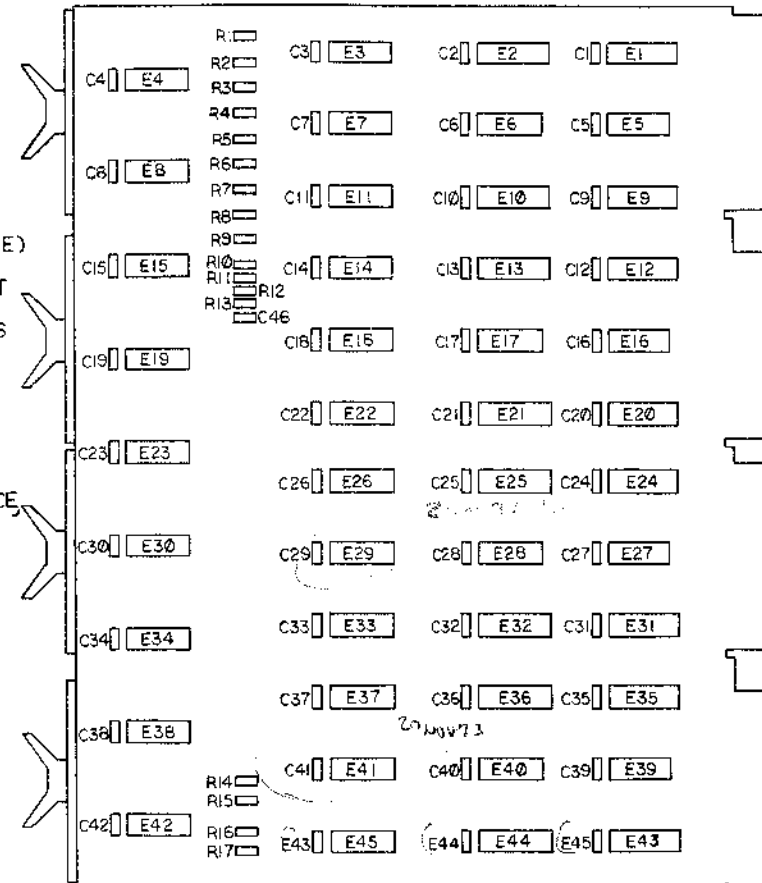
ITEM NO	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	E6, E11, E17, E22, E26, E28, E33, E37, E42	DEC 380 IC	1909485	9
2	E19, E34	DEC 7400 IC	1905575	2
3	E38	DEC 7402 IC	1909004	1
4	E3, E45	DEC 7404 IC	1905556	2
5	E30	DEC 7410 IC	1905576	1
6	E22	DEC 7416 IC	1905528	1
7	E4, E6, E15	DEC 8242 IC	1909712	3
8	E23	DEC 8815 IC	1909713	1
9	E5, E7, E14, E16, E18, E27, E29, E39, E41	DEC 8881 IC	1909705	9
10	E1, E9, E12, E20, E24, E31, E35, E43	DEC 74153 IC	1909937	8
11	E2, E10, E13, E21, E25, E32, E36, E44	DEC 74193 IC	1910018	8
12	C1 THRU C45	.01 MFD 100V 20% CAP	1001610	45
13	R46	470 PF 100V 5% CAP	1000024	1
14	R1 THRU R12, R14 THRU R17	1K 1/4W 5% RES	1300353	16
15	R13	100 1/4W 5% RES	1300229	1
REF	RC11 BUS INTERFACE	APL-M7219-0-0		

NOTES:

- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE CONTROLLER. MODULE REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER, AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.
- ALL SIGNALS THAT HAVE MODULE PINS ARE SO NOTED; MULTIPLE NOTATIONS OF THE SAME SIGNALS WITHIN A MODULE HAVE THE PIN NOTED ON EACH. AN INPUT SIGNAL IS NOTED ONLY ONCE PER SHEET UNLESS SEPERATE PINS ARE USED; MULTIPLE INPUTS ARE CONNECTED. MODULE OUTPUT SIGNALS ARE BROUGHT TO THE EXTREME RIGHT OF EACH SHEET WHENEVER POSSIBLE.
- CONTROLLER SIGNAL SOURCE NOTATION (D1-2 FOR EXAMPLE) IDENTIFIES THE SIGNAL SOURCE (PRINT AND MODULE). THE FIRST NUMBER AFTER THE D INDICATES THE MODULE PRINT SET, WHILE THE SECOND INDICATES THE SHEET WITHIN THE SET. IF ON A PRINT, THE FIRST NUMBER OF THE D PREFIXES COINCIDE FOR A SIGNAL NAME AND THE PRINT (SEE TITLE BLOCK), THE SIGNAL IS GENERATED ON THE MODULE. A DIFFERENCE IN THE FIRST NUMBER OF THE D PREFIXES INDICATES A SIGNAL GENERATED OFF THE MODULE. SIGNALS WITH A "BUS" PREFIX REPRESENT A "WIRED OR" SITUATION, AND MULTIPLE SOURCES FOR THE SIGNAL CAN EXIST.
- DETAILS ON COMPONENTS ARE NOTED IN THE PARTS REFERENCE, PLACEMENT IS NOTED IN THE COMPONENT PLACEMENT DIAGRAM. CAPACITORS WITHOUT NOTED VALUES ARE .01 MFD.
- GND AND +5V ARE USUALLY PIN 7 AND PIN 14, RESPECTIVELY. EXCEPTIONS ARE:

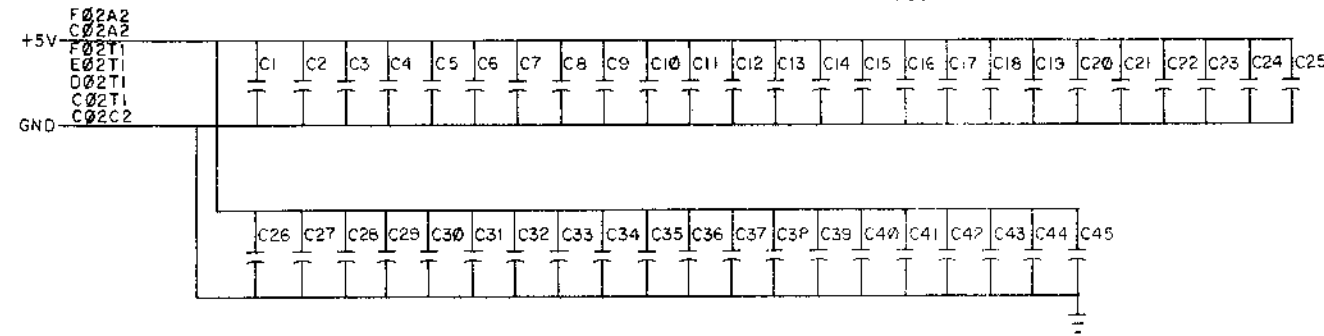
IC TYPE	GND	+5V
DEC 74153	PIN 8	PIN 16
DEC 74193	PIN 8	PIN 16
DEC 380	PIN 1	PIN 8
- UNLESS OTHERWISE NOTED: RESISTANCE IS IN OHMS; CAPACITANCE IS IN PICOFARADS
- JUMPER FOR 0 FOR BUS ADDRESS SELECTION

COMPONENT PLACEMENT

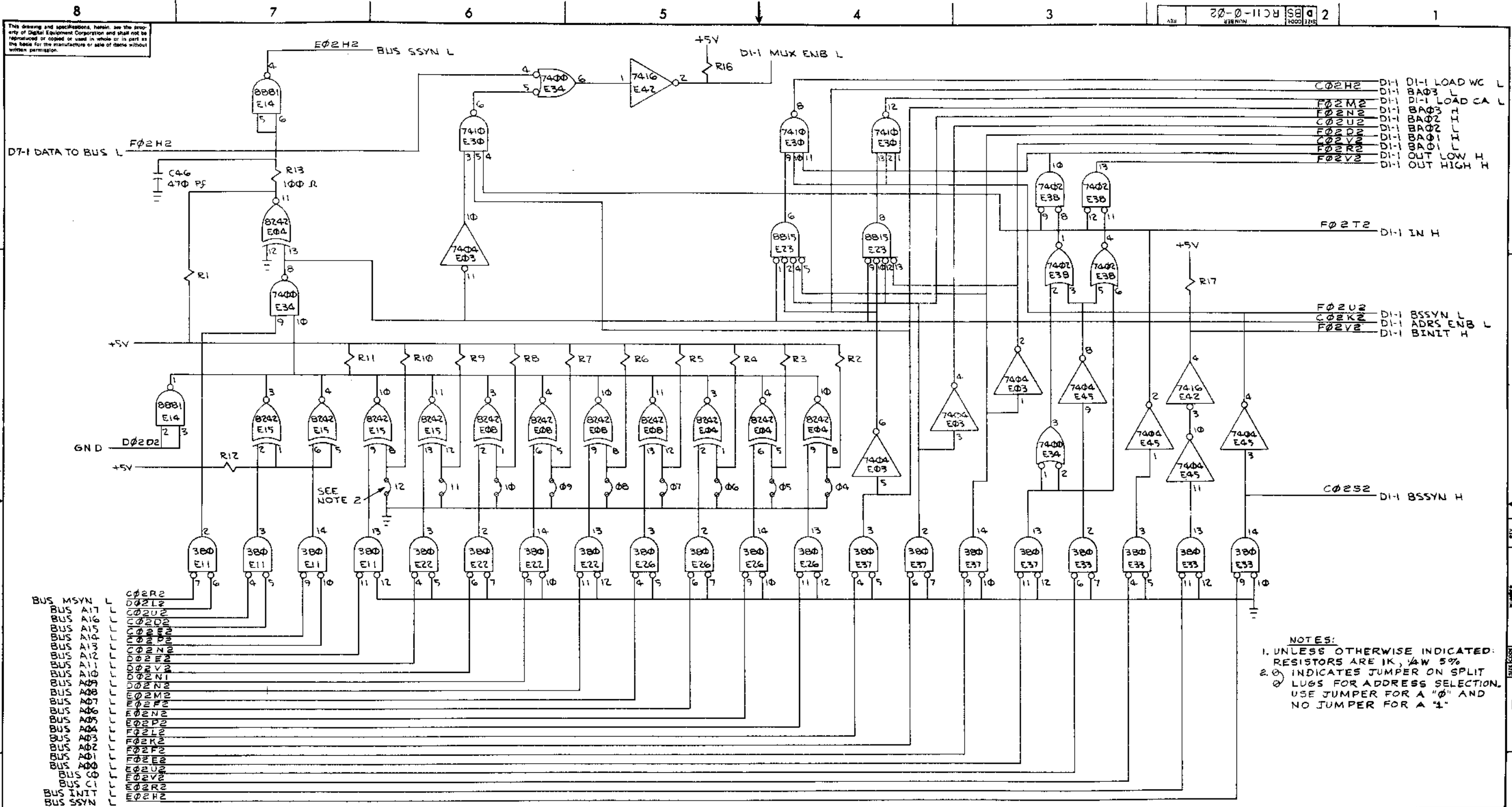


PIN NOMENCLATURE

MODULE	CONTROLLER
A	C
B	D
C	E
D	F



FIRST USED ON OPTION / MODEL RC11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN DATE 1/18/71	CHK'D DATE 1/21/71	digital EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS	
FINISH REMOVE BURRS AND BREAK SHARP CORNERS	ENG DATE 1/17/71	PROG DATE 1/17/71		
MATERIAL + +	NEXT HIGHER ASSY A-ML-RC11		TITLE BUS INTERFACE M7219 D1-0	
FINISH + +	SCALE NONE	SHEET 1 OF 5	SIZE CODE DBS RC11-0-02	



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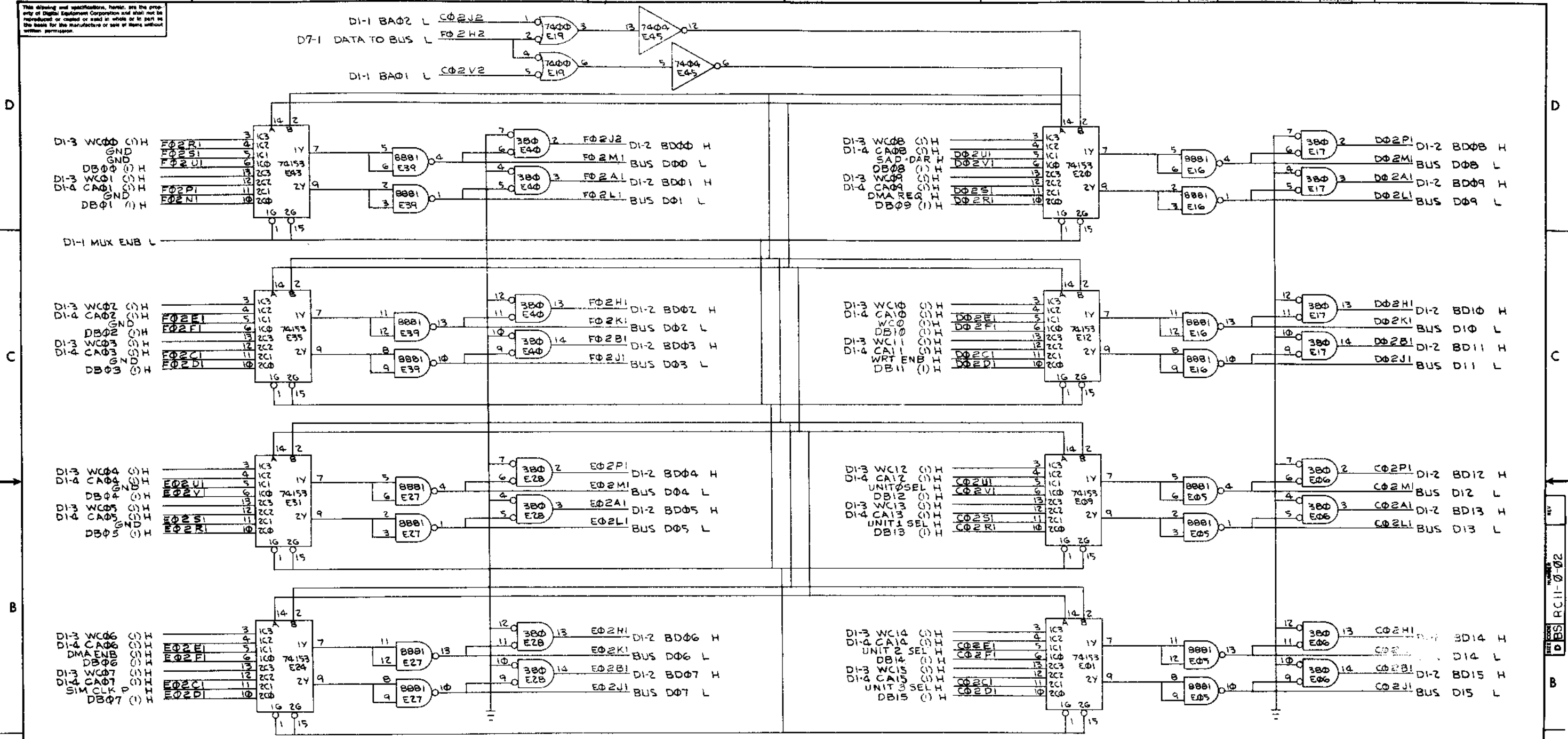
- BUS MSYN L C02R2
- BUS A17 L D02L2
- BUS A16 L C02U2
- BUS A15 L C02D2
- BUS A14 L C02N2
- BUS A13 L C02M2
- BUS A12 L C02P2
- BUS A11 L D02V2
- BUS A10 L D02N1
- BUS A09 L D02N2
- BUS A08 L E02M2
- BUS A07 L E02P2
- BUS A06 L E02N2
- BUS A05 L E02D2
- BUS A04 L F02L2
- BUS A03 L F02K2
- BUS A02 L F02P2
- BUS A01 L F02E2
- BUS A00 L E02U2
- BUS C0 L E02V2
- BUS C1 L E02R2
- BUS INIT L E02H2
- BUS SSYN L

NOTES:
 1. UNLESS OTHERWISE INDICATED: RESISTORS ARE 1K, 1/4W 5%
 2. ⊕ INDICATES JUMPER ON SPLIT LUGS FOR ADDRESS SELECTION. USE JUMPER FOR A "0" AND NO JUMPER FOR A "1"

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	DIGITAL EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS
DECIMALS	ANGLES	CHK'D	DATE	
.XX - .006	±0°30'	ENG	DATE	TITLE BUS INTERFACE M7219 DI-1
.X - .1		PROJ. ENG.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE	
MATERIAL		NEXT HIGHER ASSY.		
FINISH		SCALE NONE		SIZE CODE NUMBER REV.
		SHEET 2 OF 5	DIST.	D B S R C 1 1 - 0 - 0 2

REVISIONS
 CHANGE NO.
 REV.

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REV	CHG	NO

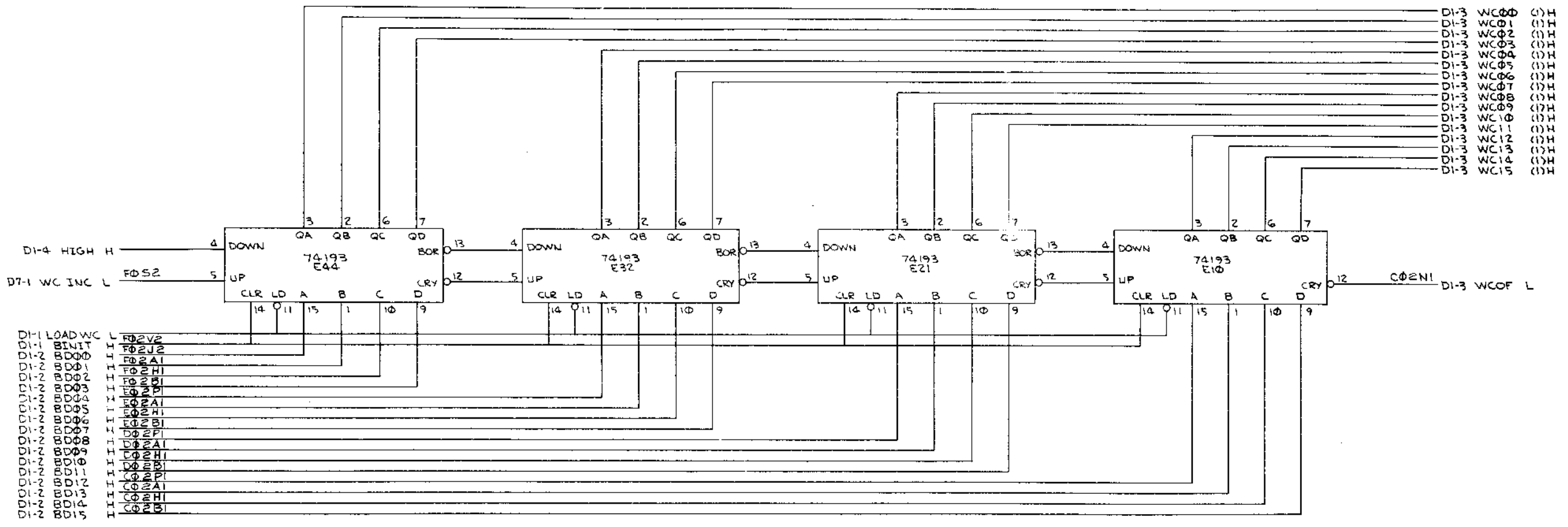
DEC FORM NO. 100-103-B

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>[Signature]</i> DATE 4/8/71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS TITLE BUS INTERFACE M7219 DI-2 SIZE CODE NUMBER DBS RC11-0-02 SCALE NONE SHEET 3 OF 5	
DECIMALS	ANGLES	CHK'D. <i>[Signature]</i> DATE 4/27/71		
.XXX = .005	±0° 30'	ENG. <i>[Signature]</i> DATE 4/19/71		
.XX = .02		PROJ. ENG. <i>[Signature]</i> DATE 4/16/71		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY		PROD. <i>[Signature]</i> DATE 4/16/71		
MATERIAL	NEXT HIGHER ASSY.			
FINISH	A-ML-RC11			

DBS RC11-0-02

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REV. 2
 DBS RC11-Ø-Ø2
 20-Ø-1104



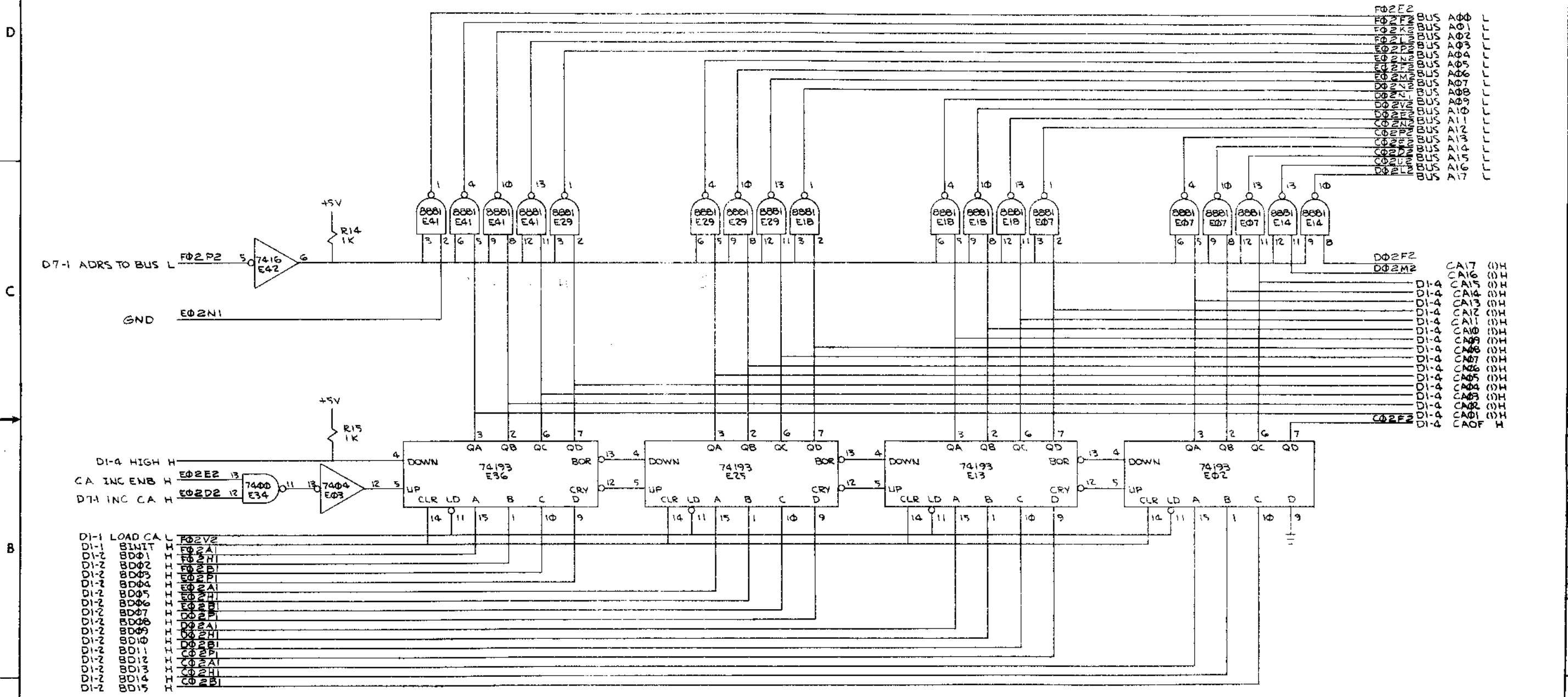
- DI-1 LOAD WC L
- DI-1 BD00
- DI-1 BD01
- DI-1 BD02
- DI-1 BD03
- DI-1 BD04
- DI-1 BD05
- DI-1 BD06
- DI-1 BD07
- DI-1 BD08
- DI-1 BD09
- DI-1 BD10
- DI-1 BD11
- DI-1 BD12
- DI-1 BD13
- DI-1 BD14
- DI-1 BD15

- DI-3 WCØØ
- DI-3 WCØ1
- DI-3 WCØ2
- DI-3 WCØ3
- DI-3 WCØ4
- DI-3 WCØ5
- DI-3 WCØ6
- DI-3 WCØ7
- DI-3 WCØ8
- DI-3 WCØ9
- DI-3 WC10
- DI-3 WC11
- DI-3 WC12
- DI-3 WC13
- DI-3 WC14
- DI-3 WC15

REV	NO
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES: TOLERANCES		DRN DATE 4/8/71	 digital EQUIPMENT CORPORATION MATTHEW MASSACHUSETTS	
DECIMALS ANGLES		CHK'D DATE 4/8/71		
.XXX - .005 10° 30'		ENG DATE 4/16/71		
.XX - .02		PRG. ENG DATE 4/16/71		
.X = 1		PROD DATE 4/16/71	TITLE BUS INTERFACE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			M7219 DI-3	
MATERIAL		NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH		A-ML-RC11	DBS	RC11-Ø-Ø2
SCALE NONE		SHEET 2 OF 5	REV.	
DIST.				

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- D1-1 LOAD CA F02V2
- D1-1 LIMIT F02A
- D1-2 BD01 F02H
- D1-2 BD02 F02B
- D1-2 BD03 F02D
- D1-2 BD04 F02W
- D1-2 BD05 F02S
- D1-2 BD06 F02R
- D1-2 BD07 F02V
- D1-2 BD08 F02A
- D1-2 BD09 F02H
- D1-2 BD10 F02B
- D1-2 BD11 F02D
- D1-2 BD12 F02W
- D1-2 BD13 F02S
- D1-2 BD14 F02R
- D1-2 BD15 F02V

- F02F2 BUS A00
- F02F2 BUS A01
- F02F2 BUS A02
- F02F2 BUS A03
- F02F2 BUS A04
- F02F2 BUS A05
- F02F2 BUS A06
- F02F2 BUS A07
- F02F2 BUS A08
- F02F2 BUS A09
- F02F2 BUS A10
- F02F2 BUS A11
- F02F2 BUS A12
- F02F2 BUS A13
- F02F2 BUS A14
- F02F2 BUS A15
- F02F2 BUS A16
- F02F2 BUS A17

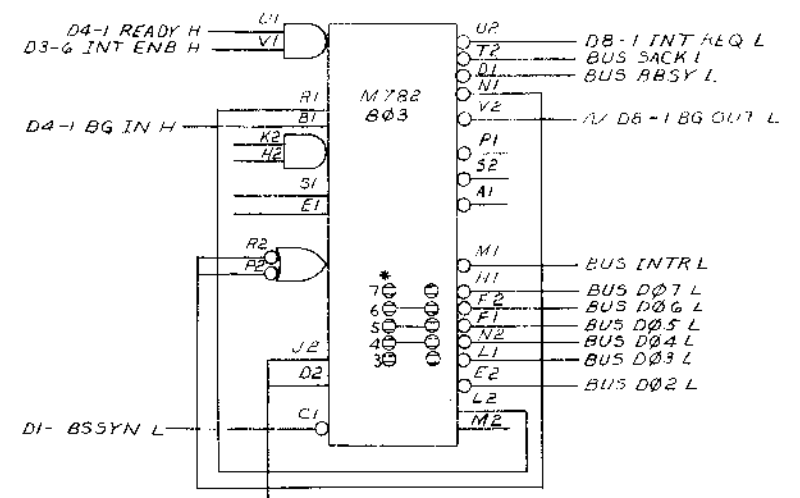
REV	NO.
CHK	

DEC FORM NO. 102-B

FIRST USED ON OPTION/MODEL RC11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRAWN CHK'D	DATE DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .005 ANGLES 90°	ENG PROD ENG	DATE DATE	TITLE BUS INTERFACE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD	DATE	M7219 DI-4	
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	A-ML RC11	DBS	RC11-0-02	
SCALE NONE	SHEET 5 OF 5	DIST.		

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001 30-1105 2



* INTERRUPT VECTOR ADDRESS 210 SET BY JUMPERS. JUMPER FOR A '0'. NO JUMPER FOR A '1'

FIRST USED ON OPT/MOD	QTY	DESCRIPTION	PART NO.	ITEM NO.
RC11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION TITLE: RC11 INTERRUPT CONTROL DS-	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE		
UNLESS OTHERWISE SPECIFIED	ENG	DATE		
UNLESS OTHERWISE SPECIFIED	PROJ. ENG	DATE		
UNLESS OTHERWISE SPECIFIED	PROD	DATE		
MATERIAL	NEXT HIGHER ASSEMBLY			
FINISH	SCALE			
	SHEET	OF	D E S RC11-0-03	


REVISIONS	REV
CHK	CHARGE NO.

DEC FORM NO 240 200 A

001
 RC11-0-03
 P000

DRWG NO	REVLTR
K-WL-RCII-Ø-Ø4	A

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	RCII-00001	7-6-71	

DRAWN <i>W.F. McCarthy</i>	DATE 4/12/71	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE WIRE LIST (RCII)				
CHECKED <i>L. Nagelberg</i>	DATE 4/12/71		FOR TAPE* FILE*				
ENG <i>R. Krishna</i>	DATE 4/16/71		ASSY NO	SIZE	CODE	DWG. NO.	REV LTR
PROJ ENG <i>R. Krishna</i>	DATE 4/16/71		A-ML-RCII-Ø	K	WL	RCII-Ø-Ø4	A
PROD <i>A. Shinn</i>	DATE 4/16/71		SCALE <i>+</i>	SHEET	1	OF	1

RC11,A(NEW) RUN NAME	HND288,V12 6/25/71 A/P PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 1 RUN NUMBER
ADDR CLK	H D03J1							1				1
ADDR CLK	H E04V1									6-2/8		1
ADDR CONFIRM	H C01E1							1				2
ADDR CONFIRM	H D04K1							2				2
ADDR CONFIRM	H E03V1									12-4/8		2
ADDR CONFIRM	L C02K2							1				3
ADDR ENB	L F01U1									11-6/8		3
ADDR ENB	L E04F1							1				4
ADDR TO BUS	L F02P2									14-0/8		4
ADDR TO BUS	L C02M1							1				5
ADDR TO BUS	L D04D1									5-0/8		5
ATRK ERR	H F02D2										1-PIN RUN	6
ATRK ERR	L C02V2							1				7
ATRK ERR	L F01S1									10-2/8		7
BA 01	H F02N2										1-PIN RUN	8
BA 02	L C02J2							1				9
BA 02	L F01V2											9
BA 02	H F01V1							1				9
BA 03	H F02M2									11-6/8		10
BA 03	L C02H2							1				10
BA 03	L F01H1									3-4/8		10
BA 03	H E03K2							1				11
BA 03	H F01T2									10-6/8		11
BA 03	L C02H2							1				11
BA 03	L F01H1											11
BA 03	H E03K2							1				12
BA 03	H F01T2									6-2/8		12
BA 03	L C02H2							1				12
BA 03	L F01H1											12
BA 03	H E03K2							1				12
BA 03	H F01T2											12

RC11,A(NEW) RUN NAME	HND288,V12 6/25/71 A/P PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 2 RUN NUMBER
BADD MARK	L C01S1							1				13
BADD MARK	L E03D1							2				13
BADD MARK	L E04F2									10-0/8		13
BADD MARK	H C01B1							1				14
BCC EQ 0	H F03L2									12-0/8		14
BCC EQ 0	L C03E2							1				15
BCC EQ 0	L F02J2							2				15
BCC EQ 0	L F01H2									14-0/8		15
BCC EQ 0	L C03D2							2				16
BCC EQ 0	L F02A1							1				16
BCC EQ 0	L F01B1									13-0/8		16
BCC EQ 0	L C03J2							2				17
BCC EQ 0	L F02H1							1				17
BCC EQ 0	L F01F2									13-0/8		17
BCC EQ 0	L C03H2							2				18
BCC EQ 0	L F02B1							1				18
BCC EQ 0	L F01E2									13-0/8		18
BCC EQ 0	L C03N1							2				19
BCC EQ 0	L F01H2							1				19
BCC EQ 0	L E02P1									10-4/8		19
BCC EQ 0	L C03K2							1				20
BCC EQ 0	L E02A1							2				20
BCC EQ 0	L E01J2									10-2/8		20
BCC EQ 0	L C03L2							2				21
BCC EQ 0	L F02H1							1				21
BCC EQ 0	L E01F2									10-0/8		21

RC11.A(NEW) RUN NAME	HND286.V12 6/25/71 A/P PIN ORDER PIN	BAY - ORDER	Q DRAW RV PG Y	X	Z	REMARKS	15-SEP-71	12118 LENGTH	PAGE 5 EXCEPTIONS	RUN NUMBER
BUS A01	L B01H1	1-01			2					40
BUS A01	L R02H1	1-02			1					40
BUS A01	L F02F2	1-03								40
BUS A01		1					15-6/8			40
BUS A02	L R01J2	1-01			2					41
BUS A02	L R02J2	1-02			1					41
BUS A02	L F02K2	1-03								41
BUS A02		1					15-6/8			41
BUS A03	L R01J1	1-01			2					42
BUS A03	L R02J1	1-02			1					42
BUS A03	L F02L2	1-03								42
BUS A03		1					16-0/8			42
BUS A04	L R01K2	1-01			2					43
BUS A04	L B02K2	1-02			1					43
BUS A04	L F02P2	1-03								43
BUS A04		1					13-2/8			43
BUS A05	L R01K1	1-01			2					44
BUS A05	L R02K1	1-02			1					44
BUS A05	L F02N2	1-03								44
BUS A05		1					13-4/8			44
BUS A06	L R01L2	1-01			2					45
BUS A06	L R02L2	1-02			1					45
BUS A06	L F02F2	1-03								45
BUS A06		1					12-2/8			45
BUS A07	L R01L1	1-01			2					46
BUS A07	L R02L1	1-02			1					46
BUS A07	L F02M2	1-03								46
BUS A07		1					13-0/8			46
BUS A08	L R01M2	1-01			2					47
BUS A08	L R02M2	1-02			1					47
BUS A08	L F02N2	1-03								47
BUS A08		1					10-4/8			47
BUS A09	L R01M1	1-01			2					48
BUS A09	L R02M1	1-02			1					48
BUS A09	L F02N1	1-03								48
BUS A09		1					10-4/8			48

RC11.A(NEW) RUN NAME	HND286.V12 6/25/71 A/P PIN ORDER PIN	BAY - ORDER	Q DRAW RV PG Y	X	Z	REMARKS	15-SEP-71	12118 LENGTH	PAGE 6 EXCEPTIONS	RUN NUMBER
BUS A10	L R01N2	1-01			2					49
BUS A10	L R02N2	1-02			1					49
BUS A10	L F02V2	1-03								49
BUS A10		1					11-0/8			49
BUS A11	L R01N1	1-01			2					50
BUS A11	L R02N1	1-02			1					50
BUS A11	L F02E2	1-03								50
BUS A11		1					9-4/8			50
BUS A12	L R01P2	1-01			2					51
BUS A12	L R02P2	1-02			1					51
BUS A12	L F02N2	1-03								51
BUS A12		1					7-4/8			51
BUS A13	L R01P1	1-01			2					52
BUS A13	L R02P1	1-02			1					52
BUS A13	L F02P2	1-03								52
BUS A13		1					7-6/8			52
BUS A14	L R01R2	1-01			2					53
BUS A14	L R02R2	1-02			1					53
BUS A14	L F02E2	1-03								53
BUS A14		1					6-4/8			53
BUS A15	L R01R1	1-01			2					54
BUS A15	L R02R1	1-02			1					54
BUS A15	L F02D2	1-03								54
BUS A15		1					6-4/8			54
BUS A16	L R01S2	1-01			2					55
BUS A16	L R02S2	1-02			1					55
BUS A16	L F02U2	1-03								55
BUS A16		1					7-6/8			55
BUS A17	L R01S1	1-01			2					56
BUS A17	L R02S1	1-02			1					56
BUS A17	L F02L2	1-03								56
BUS A17		1					10-0/8			56
BUS BBSY	L A01P2	1-01			2					57
BUS BBSY	L A02P2	1-02			1					57
BUS BBSY	L B03D1	1-03								57
BUS BBSY		1					7-0/8			57

RC11.A(NEW) RUN NAME	HND288,V12 6/25/71 A/P PIN ORDER NAME	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 7 RUN NUMBER
RUS RG 4 IN	H R02E2	1-01							1				58
RUS RG 4 IN	H C04S1	1-02											58
RUS RG 4 IN		1									6-4/8		58
RUS RG 4 OUT	H R01E2	1-01							1				59
RUS RG 4 OUT	H C04R1	1-02											59
RUS RG 4 OUT		1									6-4/8		59
RUS RG 5 IN	H R02B1	1-01							1				60
RUS RG 5 IN	H C04R2	1-02											60
RUS RG 5 IN		1									7-0/8		60
RUS RG 5 OUT	H R01B1	1-01							1				61
RUS RG 5 OUT	H C04S2	1-02											61
RUS RG 5 OUT		1									7-2/8		61
RUS RG 6 IN	H R02A1	1-01							1				62
RUS RG 6 IN	H C04P1	1-02											62
RUS RG 6 IN		1									6-6/8		62
RUS RG 6 OUT	H R01A1	1-01							1				63
RUS RG 6 OUT	H C04P2	1-02											63
RUS RG 6 OUT		1									7-0/8		63
RUS RG 7 IN	H A02V1	1-01							1				64
RUS RG 7 IN	H C04L2	1-02											64
RUS RG 7 IN		1									7-2/8		64
RUS RG 7 OUT	H A01V1	1-01							1				65
RUS RG 7 OUT	H C04M2	1-02											65
RUS RG 7 OUT		1									7-4/8		65
RUS BR 4	L R01D2	1-01							2				66
RUS BR 4	L R02D2	1-02							1				66
RUS BR 4	L C04N1	1-03											66
RUS BR 4		1									9-0/8		66
RUS BR 5	L R01C1	1-01							2				67
RUS BR 5	L R02C1	1-02							1				67
RUS BR 5	L C04M1	1-03											67
RUS BR 5		1									9-0/8		67
RUS BR 6	L A01U2	1-01							2				68
RUS BR 6	L A22U2	1-02							1				68
RUS BR 6	L C04L1	1-03											68
RUS BR 6		1									9-6/8		68

RC11.A(NEW) RUN NAME	HND288,V12 6/25/71 A/P PIN ORDER NAME	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 8 RUN NUMBER
RUS BR 7	L A01T2	1-01							2				69
RUS BR 7	L A02T2	1-02							1				69
RUS BR 7	L C04K1	1-03											69
RUS BR 7		1									9-6/8		69
RUS C0	L R04K2	1-01							1				70
RUS C0	L R02U2	1-02							2				70
RUS C0	L R01U2	1-03							1				70
RUS C0	L E02U2	1-04											70
RUS C0		1									16-6/8		70
RUS C1	L R04D1	1-01							1				71
RUS C1	L R01T2	1-02							2				71
RUS C1	L R02T2	1-03							1				71
RUS C1	L E02V2	1-04											71
RUS C1		1									17-4/8		71
RUS D00	L A02O1	1-01							2				72
RUS D00	L A01C1	1-02							1				72
RUS D00	L F01L1	1-03							2				72
RUS D00	L F02M1	1-04											72
RUS D00		1									22-0/8		72
RUS D01	L A01D2	1-01							2				73
RUS D01	L A02D2	1-02							1				73
RUS D01	L F02L1	1-03							2				73
RUS D01	L F01K1	1-04											73
RUS D01		1									29-2/8		73
RUS D02	L A01D1	1-01							2				74
RUS D02	L A02D1	1-02							1				74
RUS D02	L R03E2	1-03							2				74
RUS D02	L F02K1	1-04							1				74
RUS D02	L F01J1	1-05											74
RUS D02		1									24-6/8		74
RUS D03	L A01E2	1-01							2				75
RUS D03	L A02E2	1-02							1				75
RUS D03	L R03L1	1-03							2				75
RUS D03	L F02J1	1-04							1				75
RUS D03	L F01M2	1-05											75
RUS D03		1									24-4/8		75

RC11.4 (NEW) RUN NAME	HND288.V12 6/25/71 A/P PIN ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 9 RUN NUMBER
BUS D04	L A01E1	1-01							1				76
BUS D04	L A02E1	1-02						2					76
BUS D04	L B03N2	1-03						1					76
BUS D04	L E02M1	1-04						2					76
BUS D04	L E01K1	1-05									22-2/8		76
BUS D05	L A01F2	1-01						1					77
BUS D05	L A02F2	1-02						2					77
BUS D05	L B03F1	1-03						1					77
BUS D05	L E02L1	1-04						2					77
BUS D05	L F01F1	1-05									21-6/8		77
BUS D06	L A01F1	1-01						1					78
BUS D06	L A02F1	1-02						2					78
BUS D06	L B03F2	1-03						1					78
BUS D06	L E02K1	1-04						2					78
BUS D06	L E01H1	1-05									22-0/8		78
BUS D07	L A01H2	1-01						1					79
BUS D07	L A02H2	1-02						2					79
BUS D07	L B03H1	1-03						1					79
BUS D07	L E02J1	1-04						2					79
BUS D07	L E01J1	1-05									21-2/8		79
BUS D08	L A01H1	1-01						1					80
BUS D08	L A02H1	1-02						2					80
BUS D08	L B02M1	1-03						1					80
BUS D08	L D01N2	1-04									16-0/8		80
BUS D09	L A01J2	1-01						2					81
BUS D09	L A02J2	1-02						1					81
BUS D09	L D02L1	1-03						2					81
BUS D09	L D01L1	1-04									16-2/8		81
BUS D10	L A01J1	1-01						2					82
BUS D10	L A02J1	1-02						1					82
BUS D10	L C02K1	1-03						2					82
BUS D10	L C01M1	1-04									16-2/8		82
RC11.4 (NEW) RUN NAME <th>HND288.V12 6/25/71 A/P PIN ORDER PIN</th> <th>BAY - ORDER</th> <th>Q</th> <th>DRAW</th> <th>RV</th> <th>PG</th> <th>Y</th> <th>X</th> <th>Z</th> <th>REMARKS</th> <th>15-SEP-71 LENGTH</th> <th>EXCEPTIONS</th> <th>PAGE 10 RUN NUMBER</th>	HND288.V12 6/25/71 A/P PIN ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	EXCEPTIONS	PAGE 10 RUN NUMBER
BUS D11	L A01K2	1-01							1				83
BUS D11	L A02K2	1-02						2					83
BUS D11	L D02J1	1-03						1					83
BUS D11	L D01M2	1-04									16-0/8		83
BUS D12	L A01K1	1-01						2					84
BUS D12	L A02K1	1-02						1					84
BUS D12	L C02M1	1-03						2					84
BUS D12	L C01S2	1-04									13-4/8		84
BUS D13	L A01L2	1-01						1					85
BUS D13	L A02L2	1-02						2					85
BUS D13	L C02L1	1-03						1					85
BUS D13	L C01N2	1-04									13-2/8		85
BUS D14	L A01L1	1-01						2					86
BUS D14	L A02L1	1-02						1					86
BUS D14	L C02K1	1-03						2					86
BUS D14	L C01R2	1-04									13-2/8		86
BUS D15	L A01M2	1-01						2					87
BUS D15	L A02M2	1-02						1					87
BUS D15	L C02J1	1-03						2					87
BUS D15	L C01P2	1-04									13-2/8		87
BUS INIT	L A01A1	1-01						2					88
BUS INIT	L A02A1	1-02						1					88
BUS INIT	L E02R2	1-03									17-4/8		88
BUS INTR	L A01B1	1-01						2					89
BUS INTR	L A02B1	1-02						1					89
BUS INTR	L B03M1	1-03									9-2/8		89
BUS MSYN	L B04E1	1-01						1					90
BUS MSYN	L B01V1	1-02						2					90
BUS MSYN	L R02V1	1-03						1					90
BUS MSYN	L C02R2	1-04									11-6/8		90

RC11.A (NEW) RUN NAME	HND288.V12 6/25/71 A/P PIN ORDER NAME PIN	BAY -- ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	12118 EXCEPTIONS	PAGE 21 RUN NUMBER
RS64 CLKP	L D04C1	1-01							1				179
RS64 CLKP	L F04A1	1-02											179
RS64 CLKP		1									7-2/8		179
RS64 DATA MARK	L E04M1	1-01							1				180
RS64 DATA MARK	L F04K2	1-02											180
RS64 DATA MARK		1									5-0/8		180
RS64 DATA STR	L E04K1	1-01							1				181
RS64 DATA STR	L F04E2	1-02											181
RS64 DATA STR		1									4-6/8		181
RS64 PLC	L E04N1	1-01							1				182
RS64 PLC	L F04D2	1-02											182
RS64 PLC		1									4-2/8		182
RS64 SEL ACK	L D01V1	1-01							1				183
RS64 SEL ACK	L F04O1	1-02											183
RS64 SEL ACK		1									6-4/8		183
RS64 WRT DATA	H F03T2	1-01							1				184
RS64 WRT DATA	H F04V2	1-02											184
RS64 WRT DATA		1									3-0/8		184
RS64 WRT ENB	L D01H1	1-01							1				185
RS64 WRT ENB	L F04B1	1-02							2				185
RS64 WRT ENB	L F03U1	1-03											185
RS64 WRT ENB		1									12-2/8		185
SAD EQ DAR	H D03K2	1-01							2				186
SAD EQ DAR	H D02U1	1-02							1				186
SAD EQ DAR	H F01U2	1-03											186
SAD EQ DAR		1									11-4/8		186
SAD IN BUFF	L C01K1	1-01							2				187
SAD IN BUFF	L C04H1	1-02							1				187
SAD IN BUFF	L E03P2	1-03											187
SAD IN BUFF		1									12-4/8		187
SAD 00 (1)	H D03N2	1-01							1				188
SAD 00 (1)	H F01M1	1-02											188
SAD 00 (1)		1									8-0/8		188
SAD 01 (1)	H D03L1	1-01							1				189
SAD 01 (1)	H F01N1	1-02											189
SAD 01 (1)		1									8-2/8		189

RC11.A (NEW) RUN NAME	HND288.V12 6/25/71 A/P PIN ORDER NAME PIN	BAY -- ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	12118 EXCEPTIONS	PAGE 22 RUN NUMBER
SAD 02 (1)	H D03P1	1-01							1				190
SAD 02 (1)	H F01P2	1-02											190
SAD 02 (1)		1									8-0/8		190
SAD 03 (1)	H D03R2	1-01							1				191
SAD 03 (1)	H F01N2	1-02											191
SAD 03 (1)		1									7-6/8		191
SAD 04 (1)	H D03V2	1-01							1				192
SAD 04 (1)	H F01R2	1-02											192
SAD 04 (1)		1									7-4/8		192
SAD 05 (1)	H D03S2	1-01							1				193
SAD 05 (1)	H F01S2	1-02											193
SAD 05 (1)		1									8-0/8		193
SIM ADDR MARK	L E01V1	1-01							1				194
SIM ADDR MARK	L E04H2	1-02											194
SIM ADDR MARK		1									4-4/8		194
SIM ADDR STR	L D01R1	1-01							1				195
SIM ADDR STR	L E04D1	1-02											195
SIM ADDR STR		1									4-4/8		195
SIM CLK	H D04B1												196
SIM CLK	L E01R1	1-01							1				197
SIM CLK	L E04F1	1-02											197
SIM CLK		1									4-2/8		197
SIM CLKP	H D01U1	1-01							1				198
SIM CLKP	H E02C1	1-02											198
SIM CLKP		1									3-2/8		198
SIM DATA MARK	L E01R2	1-01							1				199
SIM DATA MARK	L E04D2	1-02											199
SIM DATA MARK		1									4-4/8		199
SIM DATA STR	L D01V2	1-01							1				200
SIM DATA STR	L E04C1	1-02											200
SIM DATA STR		1									3-6/8		200
SIM PLC	L E01U1	1-01							1				201
SIM PLC	L E04A1	1-02											201
SIM PLC		1									5-0/8		201

RC11.A(NEW)
RUN NAME

HND268.V12 6/25/71

BAY -
ORDER

0 DRAM RV PG Y X Z

REMARKS

15-SEP-71

1218 LENGTH EXCEPTIONS

PAGE 25
RUN
NUMBER

WRT LOCK
WRT LOCK
WRT LOCK

L D01F1
L F04E1

1-01
1-02
1

1

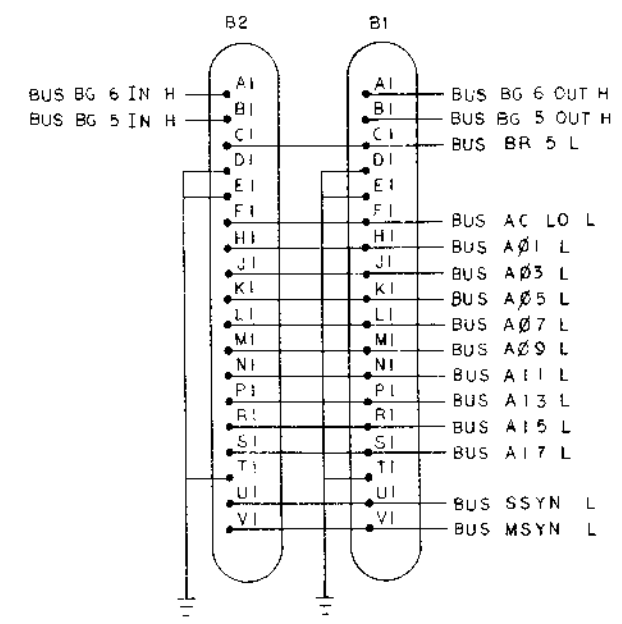
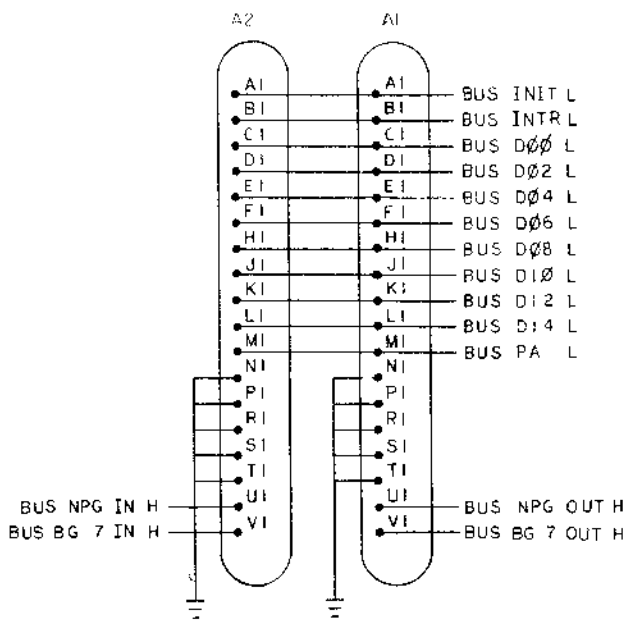
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225
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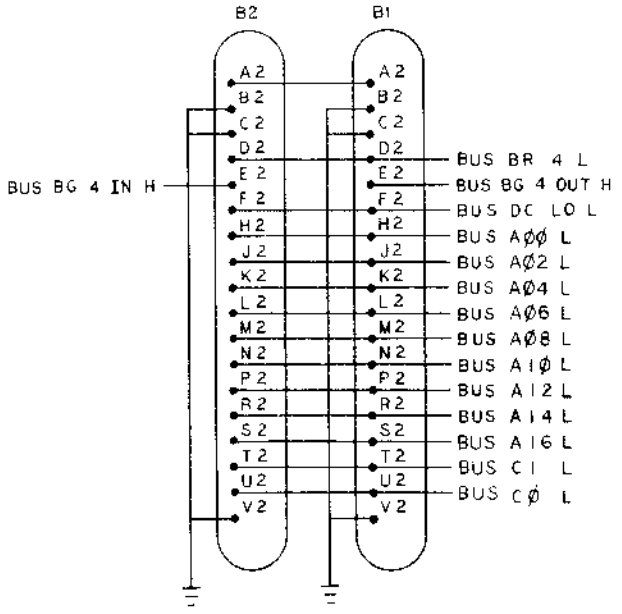
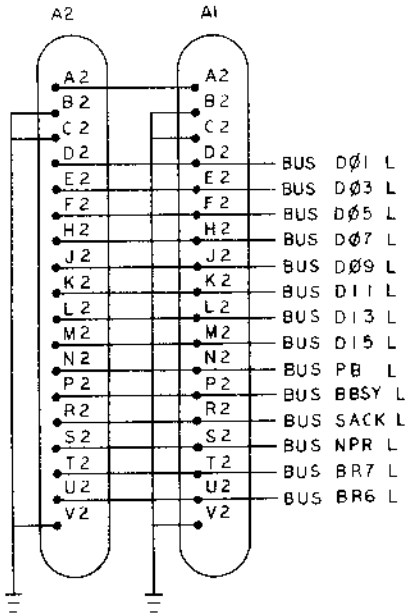
ERROR LISTING

WIRE WRAP RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-SEP-71 LENGTH	12118 EXCEPTIONS	PAGE 1 RUN NUMBER
BA 01	H	F02D2												1-PIN RUN	6
BA 02	H	F02N2												1-PIN RUN	8
BUS SSYN	L	B01U1		1-02 *	H			R1			2			HAND WIRE	95
BUS SSYN	L	B02U1		1-04 *	H			R1			1			HAND WIRE	95
BUS SSYN	L	E02H2		1-06 *				R1						TO HERE	95
CA INC ENB	H	C01U1		1-02 *	H			R1			1			HAND WIRE	96
CA INC ENB	H	E02E2		1-04 *				R1						TO HERE	96
PLC1		E04S2												1-PIN RUN	169
PLC2		E04P2												1-PIN RUN	170
PLC3		E04N2												1-PIN RUN	171
PLC4		E04M2												1-PIN RUN	172
READ ENB	H	E03U1												1-PIN RUN	174
SIM CLK	H	D04B1												1-PIN RUN	196
SYN ERR	L	F04V2												1-PIN RUN	203
WC INC	L	B04N2		1-01 *	H						1			HAND WIRE	219
WC INC	L	F01A1		1-02 *							2			TO HERE	219

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NOTES:
 1. THE UNIBUS CONNECTOR IS A DOUBLE HEIGHT MODULE.
 2. IF RC11 IS THE LAST DEVICE ON THE BUS, TERMINATOR (M930) MODULE PLUGS IN SLOTS A1-B1.

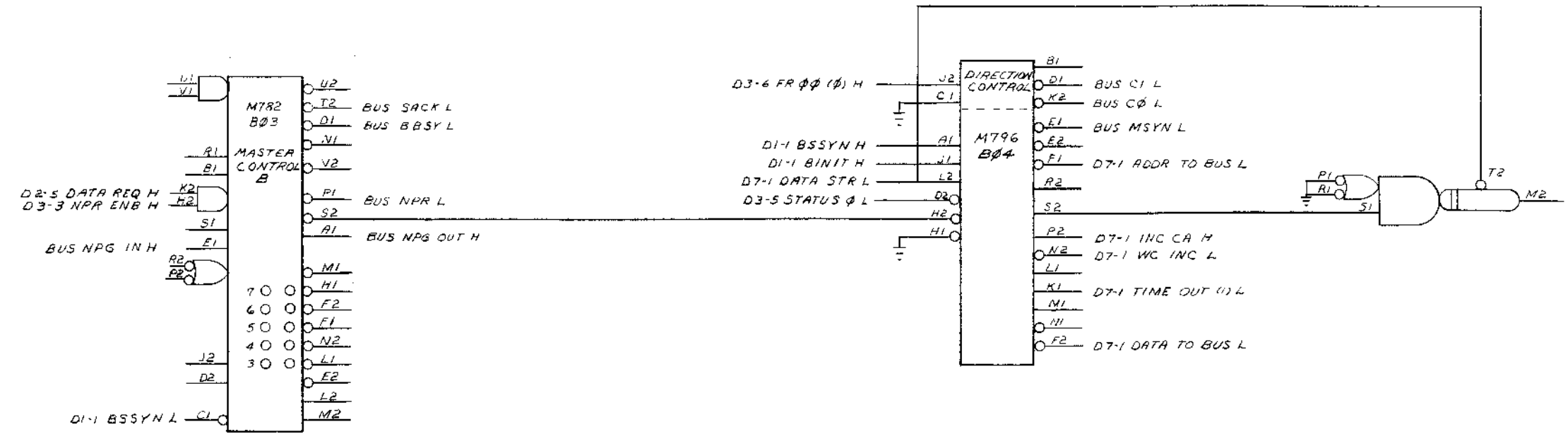


REV	CHG	NO

FIRST USED ON OPTION/MODEL FDP 11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	CHKD.	DATE	UNIVERSITY MICROFILMS	
DIMENSION IN INCHES	ENGR.	DATE	TITLE	
TOLERANCES	PROJ. ENL.	DATE	UNIBUS CONNECTORS	
ANGLES = 0°-90°	PROD.	DATE	D10-1	
FINAL SURFACE QUALITY	NEXT HIGHER ASSY			
REMOVE BURRS AND BREAK SHARP CORNERS	A-ML-RC11-0			
MATERIAL	SCALE	SIZE/CODE	NUMBER	REV
FINISH	SHEET	DIST.	D10-1	

REV. NUMBER D10-1-0-05

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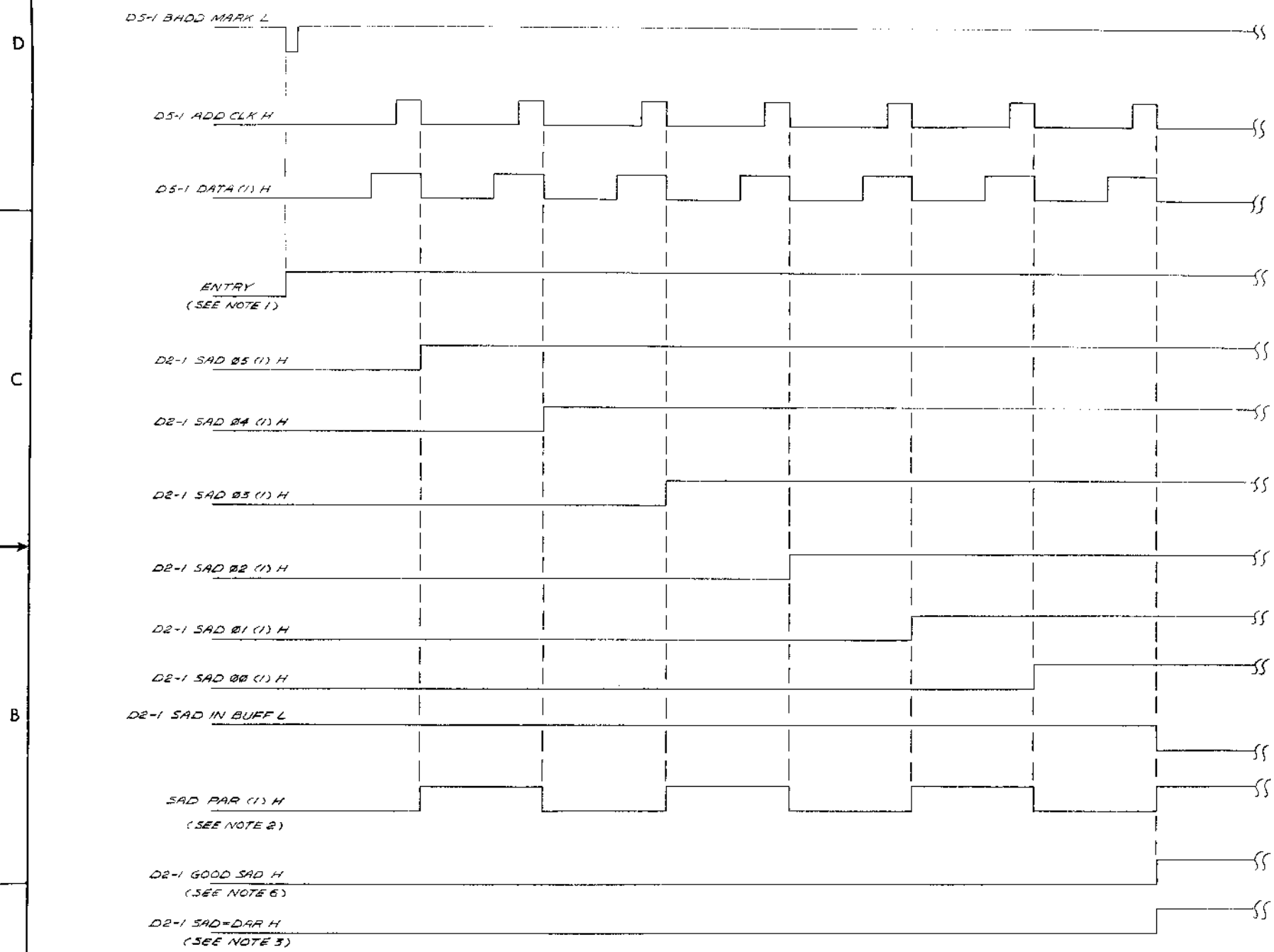
REVISIONS	REV
CHANGE NO.	
CHK	

DEC FORM NO. 001-001-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RC11		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.	DRN. 7/1/71	DATE 6/7/71	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
TOLERANCES	CHK'D. 7/1/71	DATE 6/11/71		
DECIMALS .XXX - .005	ENG. 7/1/71	DATE 6/17/71		
ANGLES ±0° 30'	PROJ. ENG. 7/1/71	DATE 6/17/71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. 7/1/71	DATE 6/17/71	TITLE RC11 NFR CONTROL D7-1	
MATERIAL + + +	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH + + +	A-ML-RC11-0	DBS1C11-0-06		
	SCALE			
	SHEET OF			

PART NO. DBS1C11-0-06
 REV. 001

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NOTES:

1. THIS SIGNAL IS ON PIN 15 OF E31. SEE D2-1 OF D-C5-M721-0-1
2. THIS SIGNAL IS ON PIN 11 OF E31. SEE D2-1 OF D-C5-M721-0-1
3. THIS SIGNAL IS TRUE IF DISK ADDRESS REGISTER COMPARES WITH THE ADDRESS ASSEMBLED.
4. THIS DIAGRAM ASSUMES READING ADDRESS CODE 77₈ FROM THE DISK.
5. THIS DIAGRAM IS FOR ILLUSTRATION ONLY, AND IS NOT TO BE SCALED.
6. D2-1 BAD SAD H IS INDICATED IN CASE OF ADDRESS PARITY ERROR.

REVISIONS	REV
CHANGE NO	
CHK	

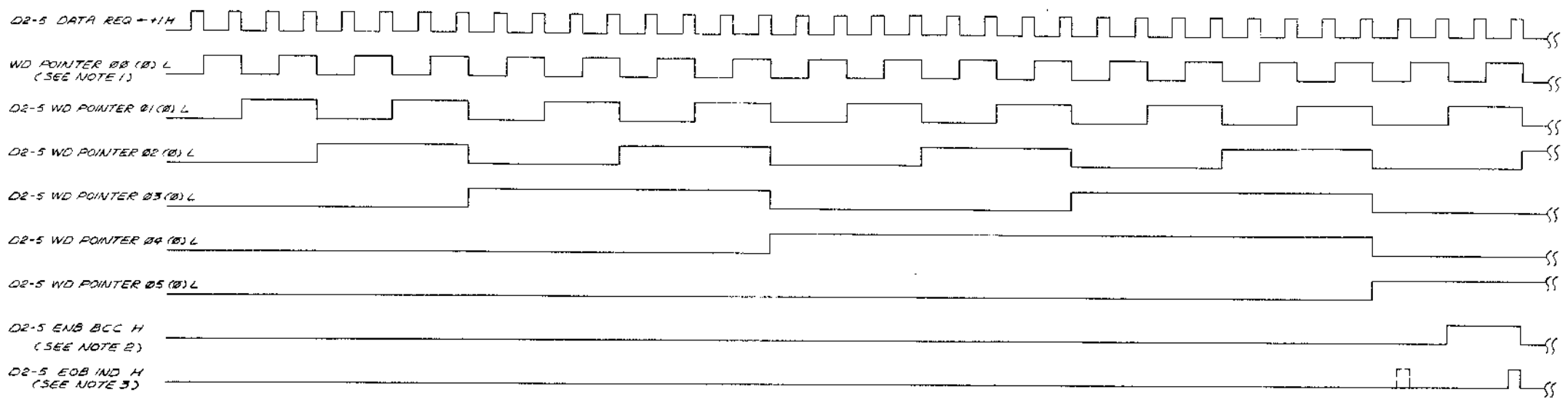
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. R. KRISHNA	DATE 11/14	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS ANGLES	CHK'D.	DATE		
.XXX ± .005 ± 0° 30'	ENG. R. KRISHNA	DATE 11/17		
.XX ± .02	PROJ. ENG. R. KRISHNA	DATE 11/17		
.X ± .1	PROD.	DATE 11/17	TITLE RC11 ADDRESS ASSY TIMING DIAG	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
MATERIAL	3-ML-RC11-0		DTD	RC11-0-07
FINISH	SCALE	SHEET	DIST.	REV.

REV B DTD RC11-0-07

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D
C
B
A

D
C
B
A



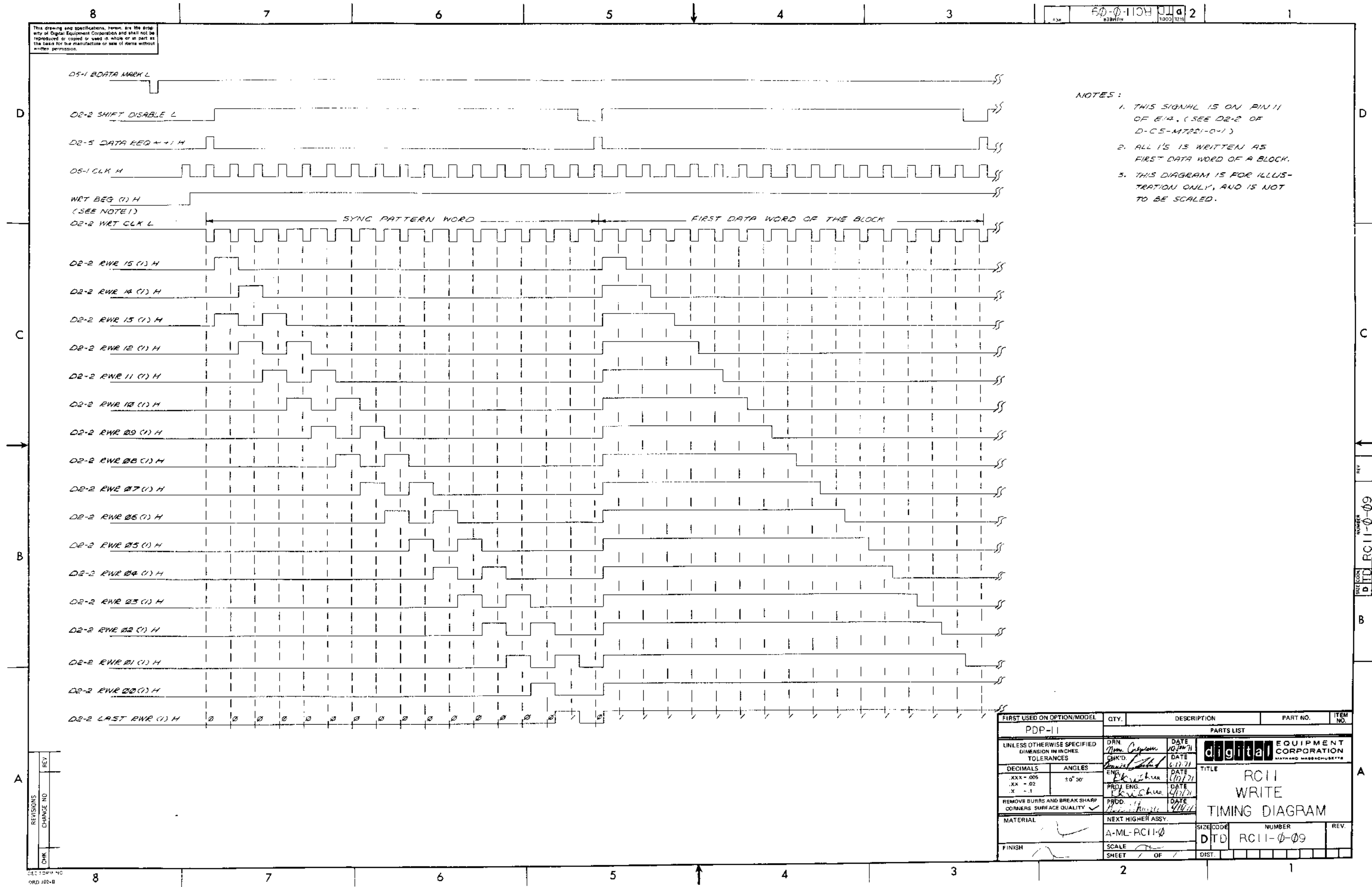
- NOTES:
1. THIS SIGNAL IS ON PIN 1 OF E33.
(SEE D2-5 OF D-CS-M7221-0-1)
 2. THIS SIGNAL IS TRUE ONLY DURING WRITE.
 3. DOTTED LINE SHOWS THE TIME OF D2-5 EOB IND H SIGNAL DURING READ OR WRITE CHECK.
 4. THIS DIAGRAM FOR ILLUSTRATION ONLY AND NOT TO SCALE.

REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL PDP-11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>John Cooper</i>	DATE 10/24/71	digital EQUIPMENT CORPORATION WATYARD MASSACHUSETTS	
DECIMALS .XXX ±.005	CHK'D <i>John Shure</i>	DATE 1/17/72	TITLE RC11 END OF BLOCK IND TIMING DIAG	
ANGLES ±0° 30'	ESG <i>John Shure</i>	DATE 6/11/71	SIZE CODE D1TD	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. <i>John Shure</i>	DATE 6/11/71	NUMBER RC11-0-08	
MATERIAL	PROD. <i>John Shure</i>	DATE 6/11/71	REV.	
FINISH	NEXT HIGHER ASSY. A-ML-RC11-0	SCALE SHEET 2 OF 1	DIST.	

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- NOTES:
1. THIS SIGNAL IS ON PIN 11 OF E14. (SEE D2-2 OF D-C5-M7221-0-1)
 2. ALL 1'S IS WRITTEN AS FIRST DATA WORD OF A BLOCK.
 3. THIS DIAGRAM IS FOR ILLUSTRATION ONLY, AND IS NOT TO BE SCALED.

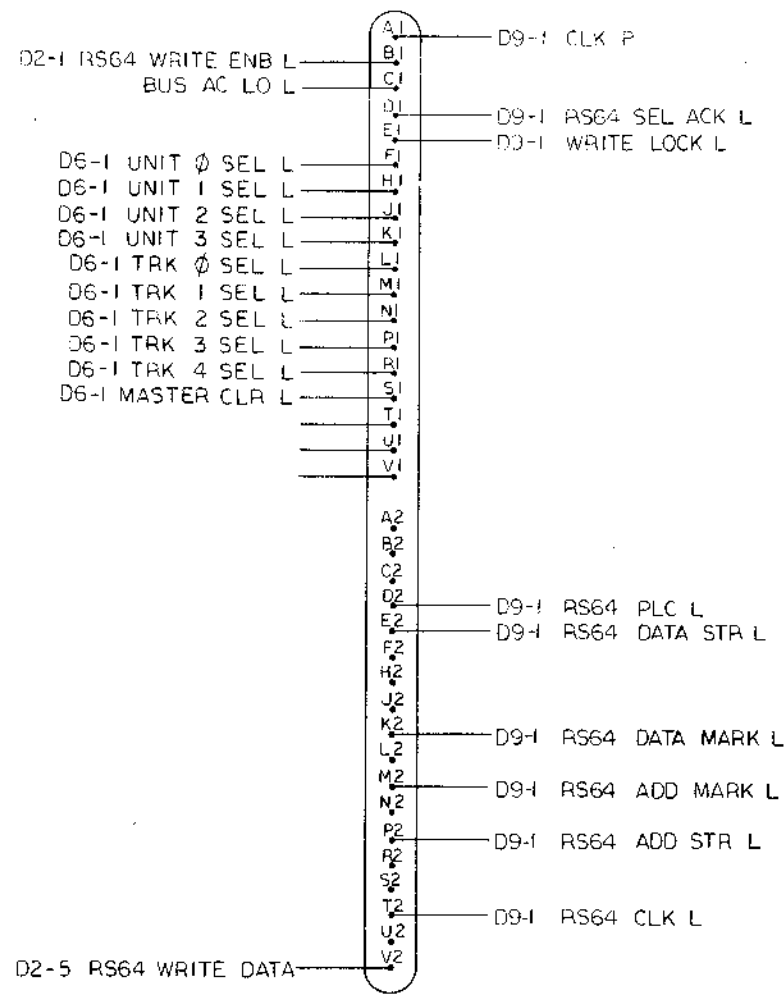


FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN <i>John C. Brown</i>	DATE 10/20/71	 Digital EQUIPMENT CORPORATION <small>MASSACHUSETTS</small>	
DECIMALS .XXX - .005	CHK'D <i>John C. Brown</i>	DATE 6/17/71		
ANGLES ±0° 30'	ENG <i>John C. Brown</i>	DATE 6/17/71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROJ. ENG. <i>John C. Brown</i>	DATE 4/17/71		
MATERIAL	PROC. <i>John C. Brown</i>	DATE 4/17/71	TITLE RC11 WRITE TIMING DIAGRAM	
FINISH	NEXT HIGHER ASSY. A-ML-RC11-0	SCALE SHEET OF 1		

REV	CHANGE NO.	REVISIONS

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SIZE CODE 2
 PART NUMBER RC11-0-10
 D I C



REV	
CHANGE NO.	
CHK	

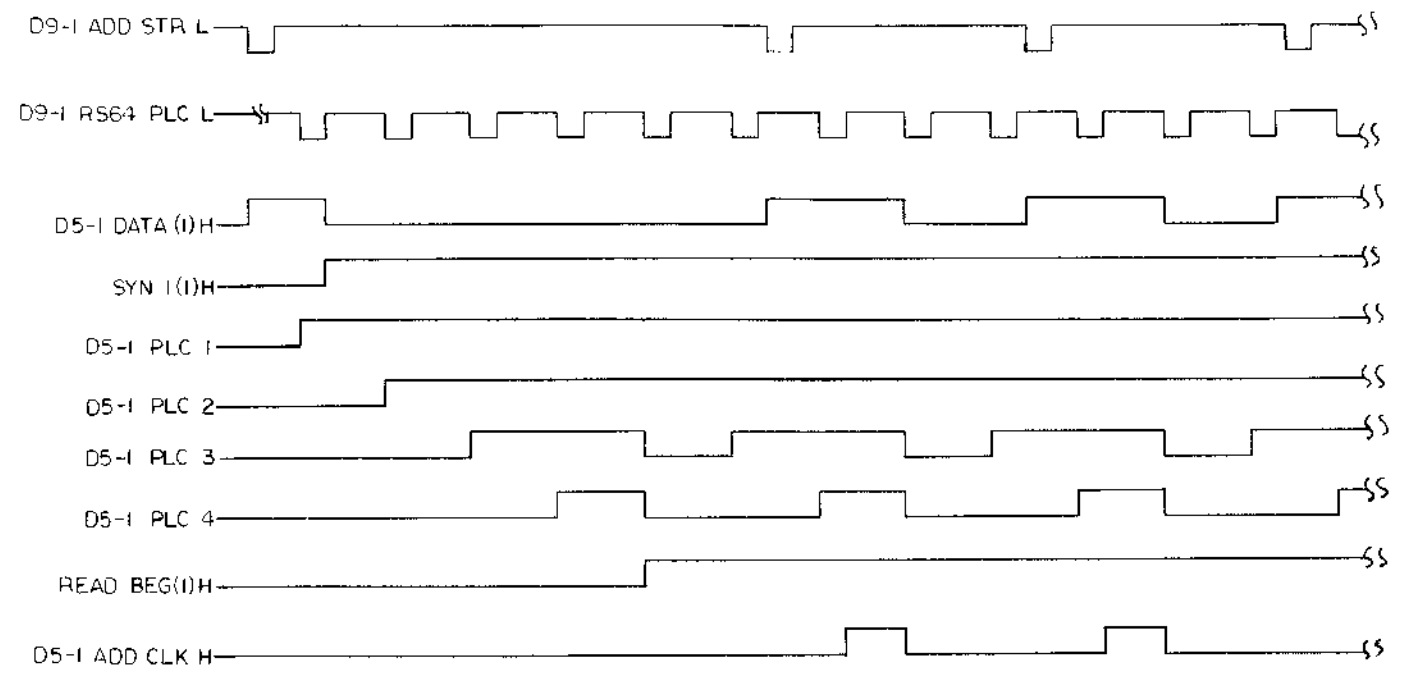
FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
PDP-11				
PARTS LIST				
DRN	DATE	digital EQUIPMENT CORPORATION NATHAN MASSACHUSETTS TITLE RC11-RS64 INTERFACE CONNECTOR D9-1		
CHK'D	DATE			
ENG	DATE			
PRQJ. ENG	DATE			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. DATE			
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE			
SHEET OF 1		DIST.		

REV. NO. 1
 PART NUMBER RC11-0-10
 D I C

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- NOTES:
1. TIMING FOR DATA IS SIMILAR TO ADDRESS CLOCKING.
 2. DIAGRAM FOR ILLUSTRATION ONLY AND NOT TO SCALE.

D
C
B
A



D
C
B
A

REVISIONS	NO	REV
CHK	CHANGE NO	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN <i>Tom Caplan</i>	DATE 10/20/71	 digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	CHK'D <i>[Signature]</i>	DATE 6/12/71		
ANGLES	ENG <i>[Signature]</i>	DATE 6/17/71	TITLE RC11 CLOCK CONT TIMING DIAG	
XXX + 005 .XX - 02 X - 1	PROJ ENG <i>[Signature]</i>	DATE 6/17/71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD <i>[Signature]</i>	DATE 6/17/71	SIZE CODE A-ML-RC11-0 DTD RC11-0-11	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE	SHEET	OF	REV.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

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DN DOCUMENT CHANGE NOTICE
PA PAPER TAPE ASCII
PB PAPER TAPE BINARY
PM PAPER TAPE READ-IN-MODE

QUANTITY / VARIATION

MADE BY *H. Towe* 9-22-71
DATE *9-22-71*
CHECKED *[Signature]* DATE *9-22-71*
SECTION
ENG *R. Krishna*
DATE *9/22/71*
PROD *[Signature]*
DATE *9/22/71*
ISSUED SECT.

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION			KIT CHECK	BY	DATE	INSTALLATION CHECK	
			RC11	RS64A	RS64B				BY	DATE
1	SEE VARIATIONS	COMPLETE PRINT SET	1	1	1					
2		RC11 MAINTENANCE MANUAL	1	-	-					
3	LIBKIT-11-RC11-0	SEALED SOFTWARE KIT AS DESCRIBED IN SOFTWARE LIST	1	-	-					
4	BC11A-10	10 I.O. CABLE	1	-	-					
5	90-8851	MOUNTING HARDWARE	1	-	-					
6		SENSE CABLE	-	1	1					
7	BC11A-0	I.O. CABLE	1	-	-					
8	H720E	POWER SUPPLY (IF FIELD HAS H720A)	-	1	-					
9	H720F	POWER SUPPLY (IF FIELD HAS H720B)	-	-	1					
10	91-7673-06	AC LINE CORD 6'	-	1	1					
11	H720E-0	POWER SUPPLY PRINT SET	-	1	-					
12		RS64 MANUAL	-	1	1					
13	H720F-0	POWER SUPPLY PRINT SET	-	-	1					
14	MAINDEC-#-D9HA	G.T.P. TAPE AND WRITE UP (FIELD ADD-ON ONLY)								
15		H720 MAINT. MANUAL								
16	70-6074-8	I.O. CABLE (SHIP WITH SECOND RS64)	-	1	1					

TITLE: DISC CONTROL AND/OR FILE
ASSY. NO.:
SHEET 1 OF 1
SIZE CODE: A AL
NUMBER: RC11-0-12
REV.:
ECO NO: RC11-00002
DIST.:

