

digital

RX11

Engineering Drawings

Digital Equipment Corporation

The material herein is for information purposes only and is subject to change without notice. Digital Equipment Corporation assumes no responsibility for any errors which may appear herein.

These drawings and specifications herein are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.
Copyright © 1975, Digital Equipment Corporation



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"

THIS IS PRINT SET

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

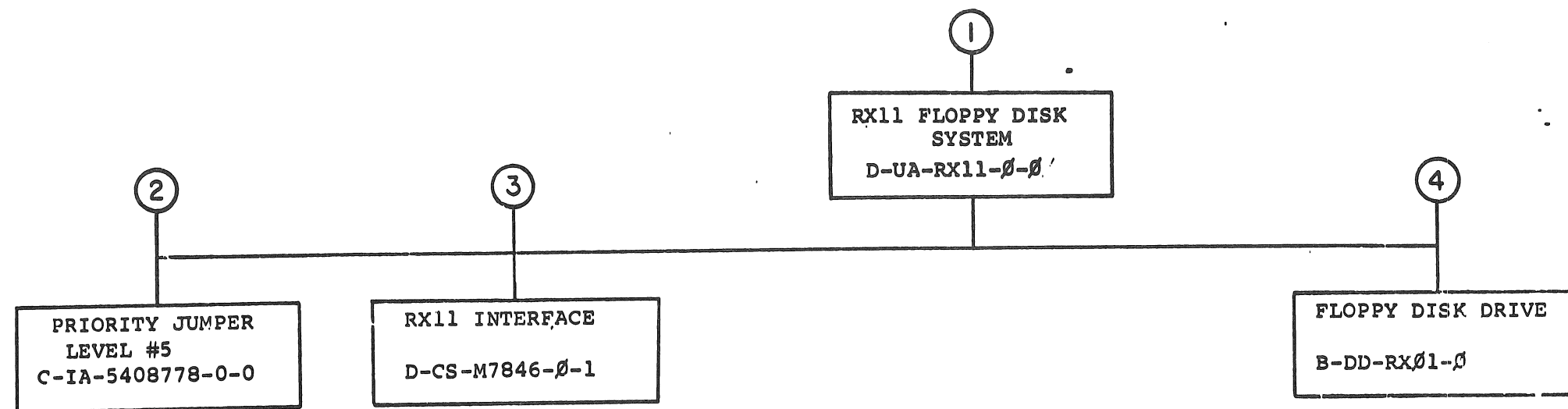
SEQUENCE

PROVINCIAL

RX11 DRAWING DIRECTORY
SHIPPING LIST
RX11 FLOPPY DISK SYSTEM
UNIBUS INTERFACE

B-DD-RX11-Ø
A-PL-RX11-Ø-1
D-UA-RX11-Ø-Ø
D-CS-M7846-Ø-1

[illegible][illegible]



TITLE	SIZE	CODE	NUMBER	REV
RX11 FLOPPY DISK SYSTEM	SHEET 2 OF 3	B DD	RX11-Ø	1

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION																
PARTS LIST																			
MADE BY B. McCarthy		CHECKED		SECTION															
DATE 5/12/75		DATE		1															
ENG		PROD		ISSUED SECT.															
DATE		DATE		1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		RX11-AA	RX11-AC	RX11-AD	RX11-BA	RX11-BC	RX11-BD	RX11-Ø									
1	E-UA-RXØ1-AA-Ø	SINGLE FLOPPY DISK SYSTEM, 115V, 6ØHZ		1	-	-	-	-	-	-									
2	E-UA-RXØ1-AC-Ø	SINGLE FLOPPY DISK SYSTEM, LOW VOLT, 5ØHZ		-	1	-	-	-	-	-									
3	E-UA-RXØ1-AD-Ø	SINGLE FLOPPY DISK SYSTEM, HIGH VOLT, 5ØHZ		-	-	1	-	-	-	-									
4	E-UA-RXØ1-BA-Ø	DUAL FLOPPY DISK SYSTEM, 115V, 6ØHZ		-	-	-	1	-	-	-									
5	E-UA-RXØ1-BC-Ø	DUAL FLOPPY DISK SYSTEM, LOW VOLT, 5ØHZ		-	-	-	-	1	-	-									
6	E-UA-RXØ1-BD-Ø	DUAL FLOPPY DISK SYSTEM, HIGH VOLT, 5ØHZ		-	-	-	-	-	1	-									
7	D-CS-M7846-Ø-1	UNIBUS INTERFACE		1	1	1	1	1	1	1									
8	C-IA-5408778-0-0	PRIORITY JUMPER LEVEL #5		1	1	1	1	1	1	-									
9	EM-ØØØØ2	DRAWING DIRECTORY, RXØ1		1	1	1	1	1	1	-									
10	EM-ØØØØ4	DRAWING DIRECTORY, RX11		1	1	1	1	1	1	-									
11	EK-RXØ1-MM	RX8/RX11 MAINTAINENCE MANUAL		1	1	1	1	1	1	-									
12	3612408-00	DISKETTE		1	1	1	2	2	2	-									
13	A-PI-3700185-0-0	PACKAGING INSTRUCTIONS		1	1	1	1	1	1	1									
14	ZJ189RB	RX11 DIAGNOSTIC KIT		1	1	1	1	1	1	-									
15	A-PI-3700193-0-0	CUSTOMER PACKAGING INSTRUCTIONS		1	1	1	1	1	1	1									
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.		ECO NO.									
SHIPPING LIST, RX11		/ /		A	PL	RX11-Ø-1													
		SHEET 1 OF 1		DIST.															

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION"

LEGEND

NUMBER	VARIATION
RXII-AA	RXØI-AA / RXII INTERFACE, 115 V, 60 HZ
RXII-AC	RXØI-AC / RXII INTERFACE, LOW V, 50 HZ
RXII-AD	RXØI-AD / RXII INTERFACE, HIGH V, 50 HZ
RXII-BA	RXØI-BA / RXII INTERFACE, 115 V, 60 HZ
RXII-BC	RXØI-BC / RXII INTERFACE, LOW V, 50 HZ
RXII-BD	RXØI-BD / RXII INTERFACE, HIGH V, 50 HZ
RXII-Ø	UNIBUS INTERFACE (M7846)

NOTES

- ITEMS INDICATED WITH ASTERISKS (*) ARE SHOWN FOR REFERENCE ONLY AND ARE NOT PART OF THIS UNIT.
- MODULE M7726 & CABLE ASSY BCØ5L ARE SUPPLIED WITH RXØI FLOPPY DISK ASSY.
- RED STRIPE ON BCØ5L CABLE INDICATES PIN A' ON THE CONNECTOR

	A	B	C	D	E	F
4	M92Ø * UNIBUS OUT			G727 *		
3	G772 * POWER CONNECTOR			G727 *		
2				G727 *		
1	M92Ø * UNIBUS IN	M7846				

DDII-A*
OR
DDII-B*
SEE NOTE #1

		DESCRIPTION	DWG./PART NO.	ITEM NO.
-	-	CUST. PACKAGING INST.	A-P1-370C193-0-0	REF
-	-	IN-PLANT PACKAGING INST.	A-P1-370O185-0-0	REF
-	-	RXØI-BD FLOPPY DISK DRIVE	E-UA-RXØI-BD-Ø	8
-	-	RXØI-BC FLOPPY DISK DRIVE	E-UA-RXØI-BC-Ø	7
-	-	RXØI-BA FLOPPY DISK DRIVE	E-UA-RXØI-BA-Ø	6
-	-	RXØI-AD FLOPPY DISK DRIVE	E-UA-RXØI-AD-Ø	5
-	-	RXØI-AC FLOPPY DISK DRIVE	E-UA-RXØI-AC-Ø	4
-	-	RXØI-AA FLOPPY DISK DRIVE	E-UA-RXØI-AA-Ø	3
-	-	RXII UNIBUS INTERFACE	D-CS-M7846-Ø-1	2
-	-	PRIORITY JUMPER LEV#5	C-IA-54ØB778-Ø-0	1

	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES					
		OVER 0 TO 0.2	OVER 0.2 TO 0.5	OVER 0.5 TO 1.0	OVER 1.0 TO 2.0	OVER 2.0 TO 4.0	OVER 4.0 TO 16.0
SURFACE QUALITY	(CHECK ONE)						
MICROINCHES	MEDIUM	±.004	±.008	±.012	±.018	±.024	±.04
	PREFERRED	±.012	±.018	±.028	±.04	±.063	±.1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL _____

FINISH _____

DRN. *[Signature]* 2/2/78

CHK'D *[Signature]* 5/6/78

ENG. *[Signature]* 6/1/78

PROJ. ENG. *[Signature]* 6/1/78

PROD. *[Signature]* 6/1/78

FIRST USED ON PDP11

TITLE **RXII FLOPPY DISK SYSTEM**

SIZE CODE D UA NUMBER 1 REV. 1

SHEET 1 OF 1 DIST.

LEGEND	
NUMBER	VARIATION
RXII - AA	RXØI-AA / RXII INTERFACE, 115 V, 6ØHZ
RXII - AC	RXØI-AC / RXII INTERFACE, LOW V, 5ØHZ
RXII - AD	RXØI-AD / RXII INTERFACE, HIGH V, 5ØHZ
RXII - BA	RXØI-BA / RXII INTERFACE, 115 V, 6ØHZ
RXII - BC	RXØI-BC / RXII INTERFACE, LOW V, 5ØHZ
RXII - BD	RXØI-BD / RXII INTERFACE, HIGH V, 5ØHZ
RXII - Ø	UNIBUS INTERFACE (M7846)

NOTES:

- 1 ITEMS INDICATED WITH ASTERISKS (*) ARE SHOWN FOR REFERENCE ONLY AND ARE NOT PART OF THIS UNIT.
- 2 MODULE M7726 & CABLE ASS'Y BC05L ARE SUPPLIED WITH RX01 FLOPPY DISK ASSY.
- 3 RED STRIPE ON BC05L CABLE INDICATES PIN A" ON THE CONNECTOR

	A	B	C	D	E	F
4	M920 * UNIBUS OUT			G727 *		
3	G772 * POWER CONNECTOR			G727 *		
2				G727 *		
1	M920 * UNIBUS IN		M7846			

-	-	-	-	-	-	-	CUST. PACKAGING INST.	A-PI-3700I93-0-0	REF
-	-	-	-	-	-	-	IN-PLANT PACKAGING INST.	A-PI-3700I85-0-0	REF
I	-	-	-	-	-	-	RXØI-BD FLOPPY DISK DRIVE	E-UA-RXØI-BD-Ø	8
-	I	-	-	-	-	-	RXØI-BC FLOPPY DISK DRIVE	E-UA-RXØI-BC-Ø	7
-	-	I	-	-	-	-	RXØI-BA FLOPPY DISK DRIVE	E-UA-RXØI-BA-Ø	6
-	-	-	I	-	-	-	RXØI-AD FLOPPY DISK DRIVE	E-UA-RXØI-AD-Ø	5
-	-	-	-	I	-	-	RXØI-AC FLOPPY DISK DRIVE	E-UA-RXØI-AC-Ø	4
-	-	-	-	-	I	-	RXØI-AA FLOPPY DISK DRIVE	E-UA-RXØI-AA-Ø	3
I	-	-	-	-	-	I	RXII UNIBUS INTERFACE	D-CS-M7846-Ø-I	2
-	-	-	-	-	-	-	PRIORITY JUMPER LEV#5	C-TA-54Ø877B-ØØ	1
							DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
							NOMINAL DIMENSION RANGE INCHES		
ANGLES 40° 30°		CLASS OF ACCURACY		OVER 0		OVER 0		OVER 0	
		(CHECK ONE)		0.2		0.2		0.2	
SURFACE QUALITY				0.2		0.2		0.2	
IN		MEDIUM		±.004		±.008		±.012	
MICROINCHES		PREFERRED		±.012		±.016		±.025	
				</					

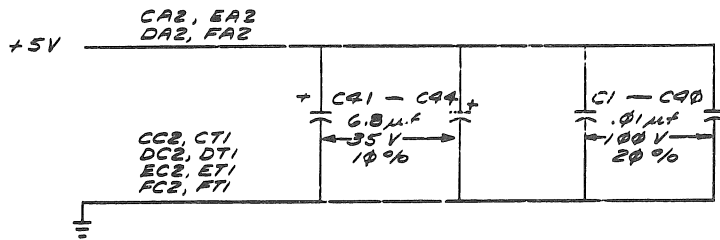
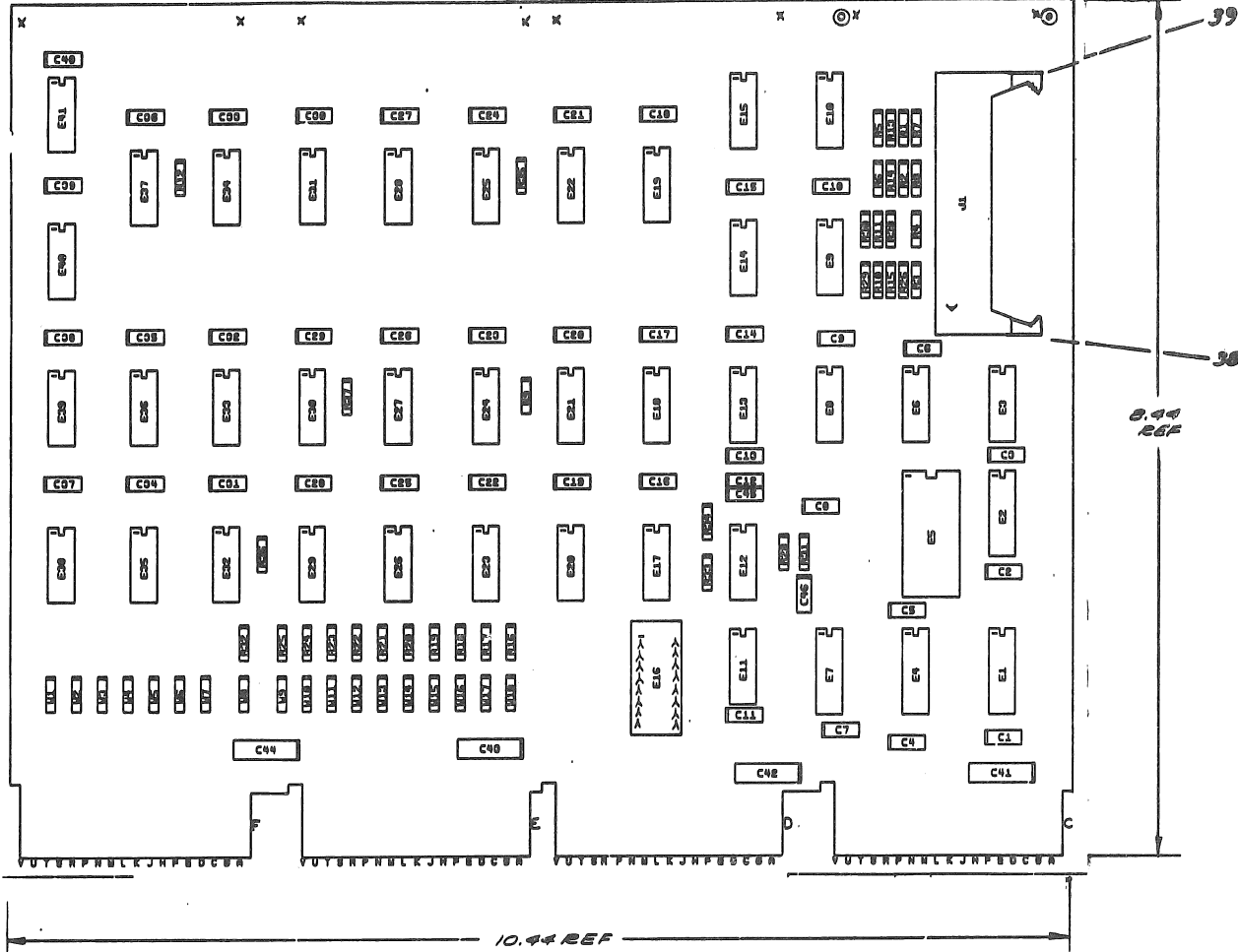
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1974, DIGITAL EQUIPMENT CORPORATION"

NOTES:

1. UNLESS OTHERWISE SPECIFIED:

A. ALL RESISTORS ARE 1/4 W, 5%.

B. ALL UNUSED PINS FOR U1 ARE TIED TO GND EXCEPT FF.



QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	8640	IC	8640	1
12	74199	IC	74199	2
8	8838	IC	8838	3
8	74157	IC	74157	4
13	74H106	IC	74H106	5
1	314	IC	314	6
QTY	W. TYPE	GND	+5V	
QTY	W. TYPE	GND	+5V	

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT WHERE STATED ABOVE

IC PIN LOCATIONS

DATE	11/10/74
BY	W. J. B.
CHKD	W. J. B.
DATE	11/10/74
BY	W. J. B.
CHKD	W. J. B.
DATE	11/10/74
BY	W. J. B.
CHKD	W. J. B.

FIRST USED ON OPTION MODEL
M7846

REV.	CHANGE NO.	DESCRIPTION
1	1	INITIAL RELEASE
2	2	REVISION
3	3	REVISION
4	4	REVISION
5	5	REVISION
6	6	REVISION
7	7	REVISION
8	8	REVISION
9	9	REVISION
10	10	REVISION

SEMICONDUCTOR CONVERSION CHART

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	8640	IC	8640	1
12	74199	IC	74199	2
8	8838	IC	8838	3
8	74157	IC	74157	4
13	74H106	IC	74H106	5
1	314	IC	314	6
1	R26	RES 120Ω 1/4W 5%	1300247-00	40
1	E10	IC (SPARE)	9006732-00	34
1	WI-WIB	JUMPER WIRE .3 LONG	9107560-1	37
1		LATCH, LEFT FOR RT AND HEADER	1209991-03	38
1		LATCH, RIGHT FOR RT AND HEADER	1209991-04	39
1	R26	RES 120Ω 1/4W 5%	1300247-00	40

PARTS LIST

ETCH BOARD REV. C

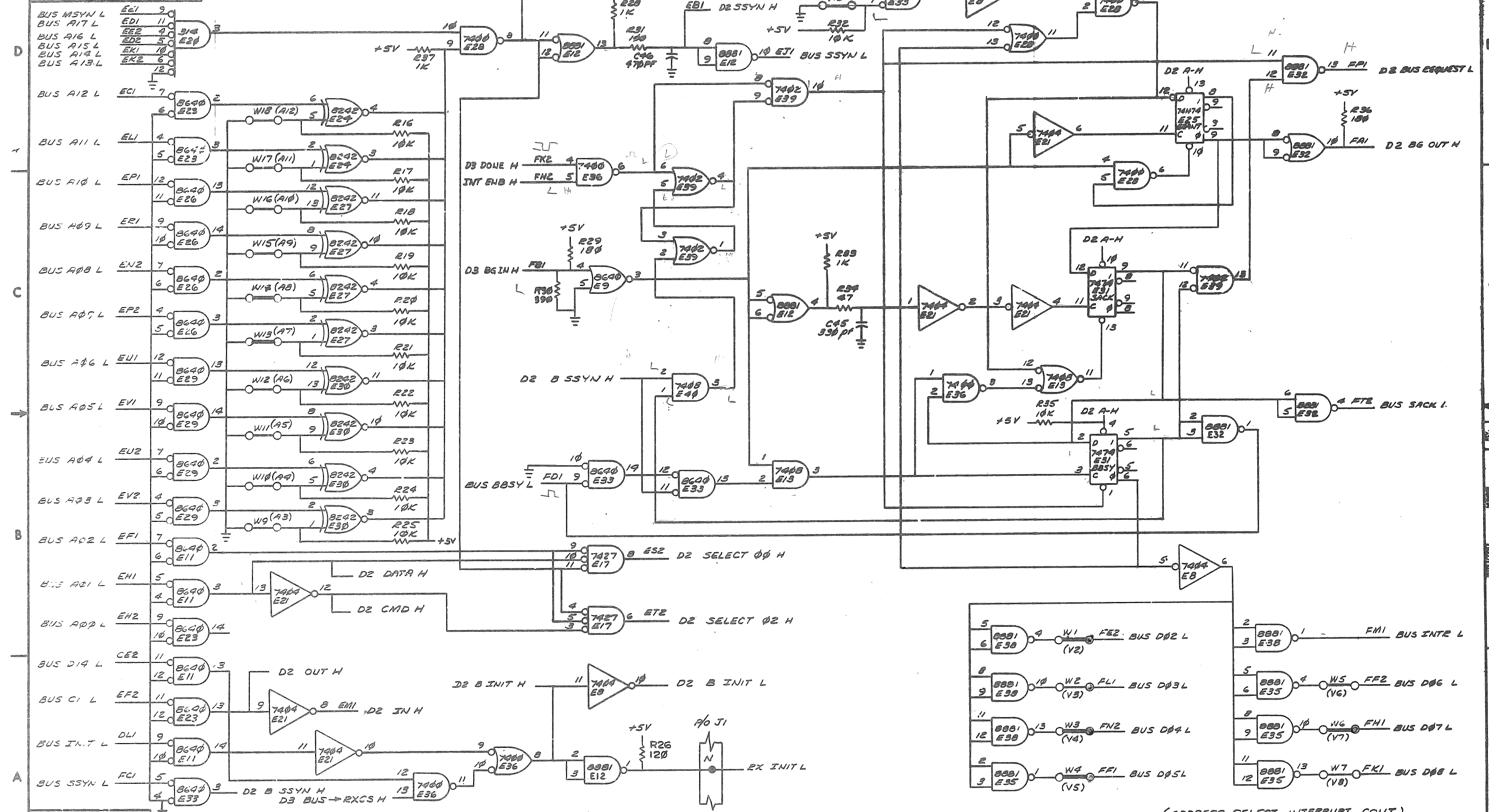
DATE 11/10/74
BY W. J. B.
CHKD W. J. B.
DATE 11/10/74
BY W. J. B.
CHKD W. J. B.
DATE 11/10/74
BY W. J. B.
CHKD W. J. B.

digital

TXII
INIBUS INTERFACE

SIZE CODE
DCS M7846-0-1
REV. D

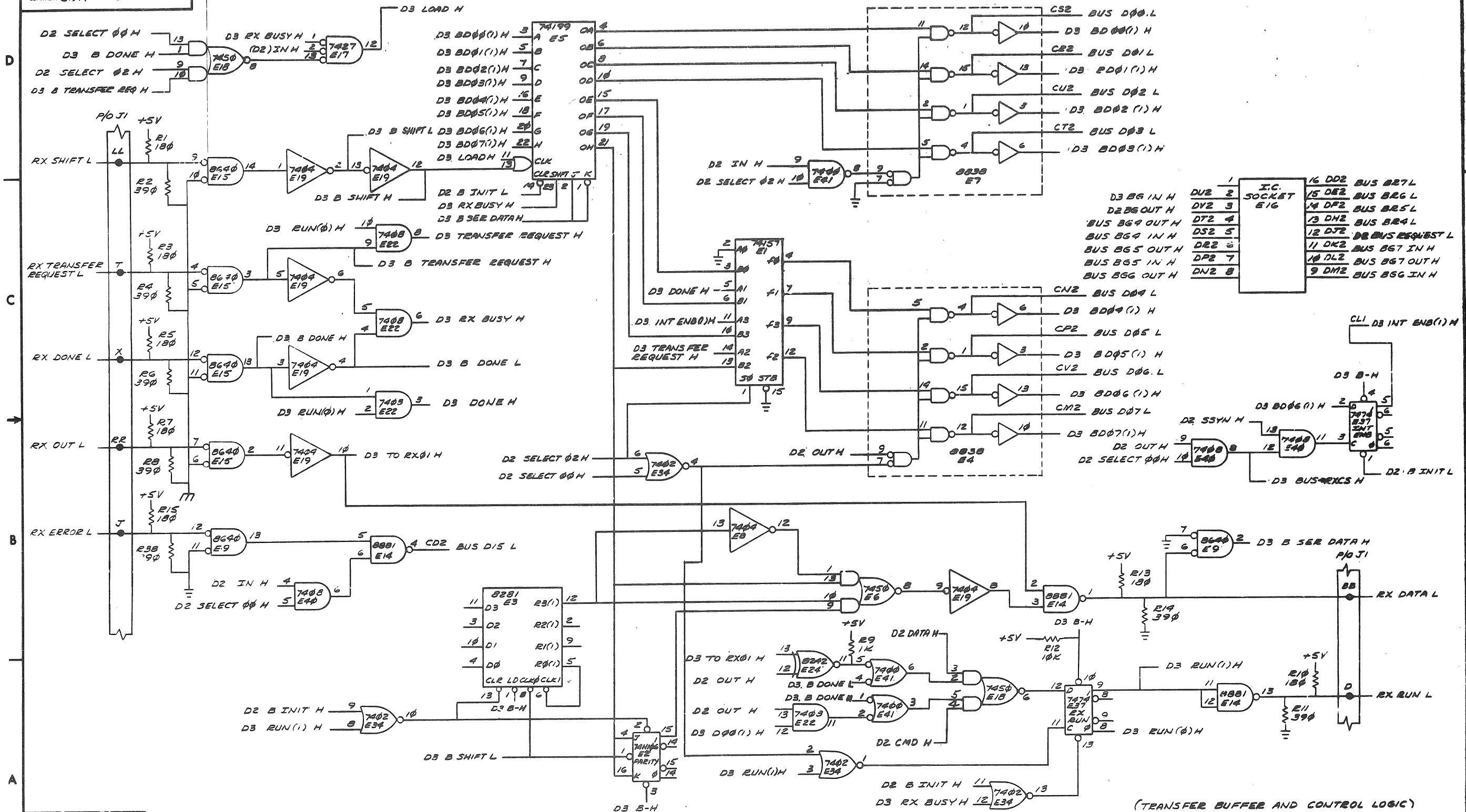
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1974 DIGITAL EQUIPMENT CORPORATION



(ADDRESS SELECT INTERRUPT CONT.)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
UNIBUS INTERFACE (D2)		D	CS M7846-0-1	D
SCALE		SHEET	2 OF 3	DIST.



REVISIONS		
CHK	CHANGE NO.	REV.

