

**LP11  
line printer system  
engineering drawings**

DIGITAL EQUIPMENT CORPORATION • MAYNARD, MASSACHUSETTS

## LP11 ENGINEERING DRAWINGS

<b>Drawing No.</b>	<b>No. of Sheets</b>	<b>Title</b>
A-ML-LP11-0	1	LP11 Master List
A-PL-LP11-0-0	1	Line Printer Assembly (Parts List)
D-UA-LP11-0-0	1	Line Printer Assembly
D-MU-LP11-0-MU	1	Module Utilization
A-PL-LP11-0-MU	1	Module Utilization (Parts List)
D-CS-M7930-0-1	3	LP11 Interface
D-IA-7008837-0-0	1	Line Printer Cable

# DRAWING DIRECTORY

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## CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

**DRAWING DIRECTORY**  
MODULE UTILIZATION  
MODULE UTILIZATION  
LP11 INTERFACE  
LINE PRINTER ASSY  
LINE PRINTER ASSY (PL)  
LP11 PRINTER ACCEPT. PROCEDURE  
LP11 SOFTWARE LIST  
LP11 ACCESSORY LIST  
LINEPRINTER CABLE (M7930)  
LINEPRINTER CABLE (M7258)  
PRINTER INTERFACE

SEQUENCE

B-DD-LP11-Ø  
D-MU-LP11-Ø-MU  
A-PL-LP11-Ø-MU  
D-CS-M793Ø-Ø-1  
D-UA-LP11-Ø-Ø  
C-PL-LP11-Ø-Ø  
A-SP-LP11-Ø-4  
A-SL-LP11-Ø-5  
A-AL-LP11-Ø-6  
D-IA-7008837-0-0  
D-IA-7011212-0-0  
D-CS-M7258-0-1

SEQUENCE

UNIT VARIATIONS		PRINT SET			
VAR	TITLE	LP11-Ø			
LP11-FA	LP80 COL, 64 CHAR, 60 HZ	X			
LP11-FB	LP80 COL, 64 CHAR, 50 HZ	X			
LP11-HA	LP80 COL, 96 CHAR, 60 HZ	X			
LP11-HB	LP80 COL, 96 CHAR, 50 HZ	X			
LP11-JA	LP 132 COL, 64 CHAR, 60 HZ	X			
LP11-JB	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-KA	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-KB	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-RA	LP 132 COL, 64 CHAR, 60 HZ	X			
LP11-RB	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-SA	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-SB	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-VA	LP 132 COL, 64 CHAR, 60 HZ	X			
LP11-VB	LP 132 COL, 64 CHAR, 60 HZ	X			
LP11-VC	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-VD	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-VE	LP 132 COL, 64 CHAR, 60 HZ	X			
LP11-VH	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-VJ	LP 132 COL, 64 CHAR, 50 HZ	X			
LP11-WA	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-WB	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-WC	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-WD	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-WE	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-WF	LP 132 COL, 96 CHAR, 60 HZ	X			
LP11-WH	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-WJ	LP 132 COL, 96 CHAR, 50 HZ	X			
LP11-VF	LP 132 COL, 64 CHAR, 60 HZ	X			

REVISIONS	CHG. NO.	REV
	12/72	LP11-00005
4/73	LP11-6	D
5/73	LP11-7	E
4/74	LP11-8	F
8/74	LP11-9	H
2-75	LP11-10	J
5-75	LP11-11	K
8-75	LP11-12	L

USED ON OPTION/MODEL	DRN.	DATE	TITLE
	K. MC CARTHY	5/22/70	
	CHK'D.	DATE	
	D. HUALY	6/10/70	LP11 LINE PRINTER
	PROJ ENG.	DATE	
	C. FLAET	6/26/70	
	PROD.	DATE	
	F. MACDONALD	6/26/70	
	FIELD SERV.	DATE	

SIZE	CODE	NUMBER	REV
B	DD	LP11-Ø	L
DIST			

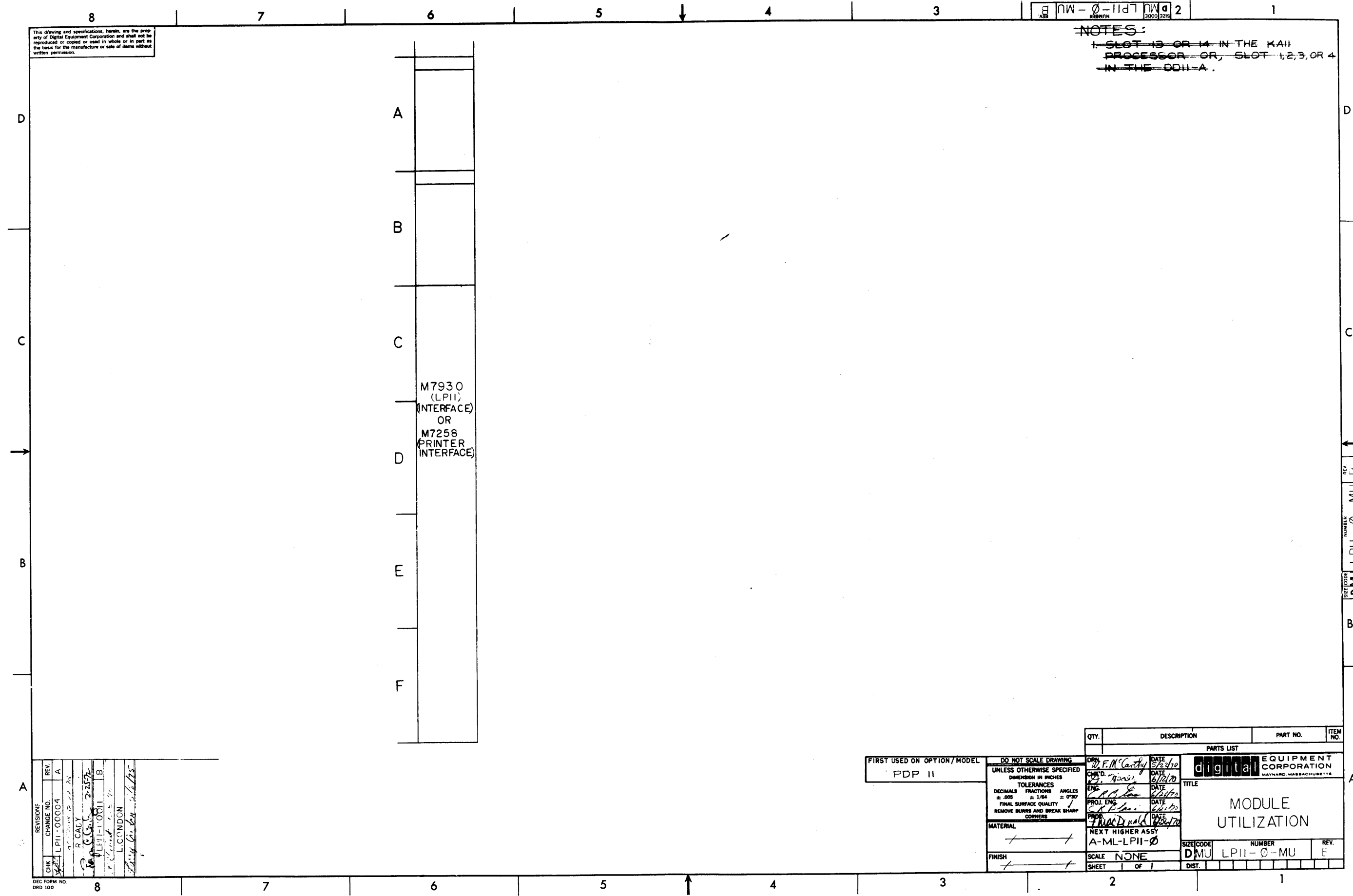
CUSTOMER PRINT SET				ELECTRICAL											CUSTOMER PRINT SET				MECHANICAL										
LP11-Ø				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	LP11-Ø				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.								
X						D-MU-LP11-Ø-MU	F	1	MODULE UTILIZATION		X						D-UA-LP11-Ø-Ø	F	1	LINEPRINTER ASSY									
X						A-PL-LP11-Ø-MU	E	1	MODULE UTILIZATION (PL)		X						C-PL-LP11-Ø-Ø	D	1	LINEPRINTER ASSY (PL)									
X						D-CS-M7258-0-1	#	4	PRINTER INTERFACE		X						D-IA-7008837-0-0	B	1	LINEPRINTER CABLE (M7930)									
X						D-CS-M793Ø-Ø-1	#	3	LP11 INTERFACE		X						D-IA-7011212-0-0	A	1	LINEPRINTER CABLE (M7258)									
X						A-SP-LP11-Ø-3	*	4	LP11 TEST PROCEDURE																				
X						A-SP-LP11-Ø-4	*	2	LP11 PRINTER ACCEPT. PROCEDURE																				
X						A-SL-LP11-Ø-5	A	4	LP11 SOFTWARE LIST								B-IA-7408204-0-0			PLATE NAME									
X						A-AL-LP11-Ø-6	A	4	LP11 ACCESSORY LIST								A-SS-7408204-0-1			SILK SCREEN									
						A-ML-LPØ1-Ø		1	LINE PRINTER																				
						A-AL-LPØ2-Ø-1			LINEPRINTER 132 COL											E-UA-LPØ1-Ø-Ø	LINEPRINTER ASSY								
																				A-PL-LPØ1-Ø-Ø	LINEPRINTER ASSY (PL)								
																				A-ML-LPØ1-Ø	LINEPRINTER								
						A-SP-LPØ4-Ø-1		5	LPØ4 LINE PRINTER ACCEPT. PROC.																				
																				E-UA-LPØ2-Ø-Ø	LINEPRINTER ASSY								
						A-SP-LPØ5-Ø-1			FIELD SERVICE INSTALLATION PROC.											A-PL-LPØ2-Ø-Ø	LINEPRINTER ASSY (PL)								
						B-DD-LPØ5-0	#		LPØ5 DRAWING DIRECTORY																				
																				E-UA-LPØ4-Ø-Ø	LINEPRINTER ASSY								
																				A-PL-LPØ4-Ø-Ø	LINEPRINTER ASSY (PL)								
																				B-DD-LPØ5-Ø	LPØ5 DRAWING DIRECTORY								

TITLE	LP11 LINE PRINTER	SHEET	2 OF 2	SIZE	CODE	NUMBER	REV
				B	DD	LP11-Ø	L

DRB 108  
DEC 1968 (325) 106220 R 271

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NOTES:  
~~1. SLOT 13 OR 14 IN THE KAI1~~  
~~PROCESSOR OR, SLOT 1, 2, 3, OR 4~~  
~~IN THE DOH-A.~~



REV.	CHANGE NO.	DESCRIPTION
A	1	LPII-00004
B	2	R. CALY 2-25-70
C	3	M. C. G. 2-25-70
D	4	LPII-00011
E	5	R. CALY 5-5-70
F	6	L. LONDON
G	7	...
H	8	...

FIRST USED ON OPTION/MODEL  
PDP 11

DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSION IN INCHES  
 TOLERANCES  
 DECIMALS FRACTIONS ANGLES  
 ± .005 ± 1/64 ± 0°30'  
 FINAL SURFACE QUALITY  
 REMOVE BURRS AND BREAK SHARP CORNERS

DATE 5/23/70  
 DATE 6/12/70  
 DATE 6/24/70  
 DATE 6/24/70  
 DATE 6/24/70  
 DATE 6/24/70

digital EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS  
 TITLE  
 MODULE UTILIZATION  
 SIZE CODE NUMBER REV.  
 DMU LPII-0-MU E  
 SHEET 1 OF 1

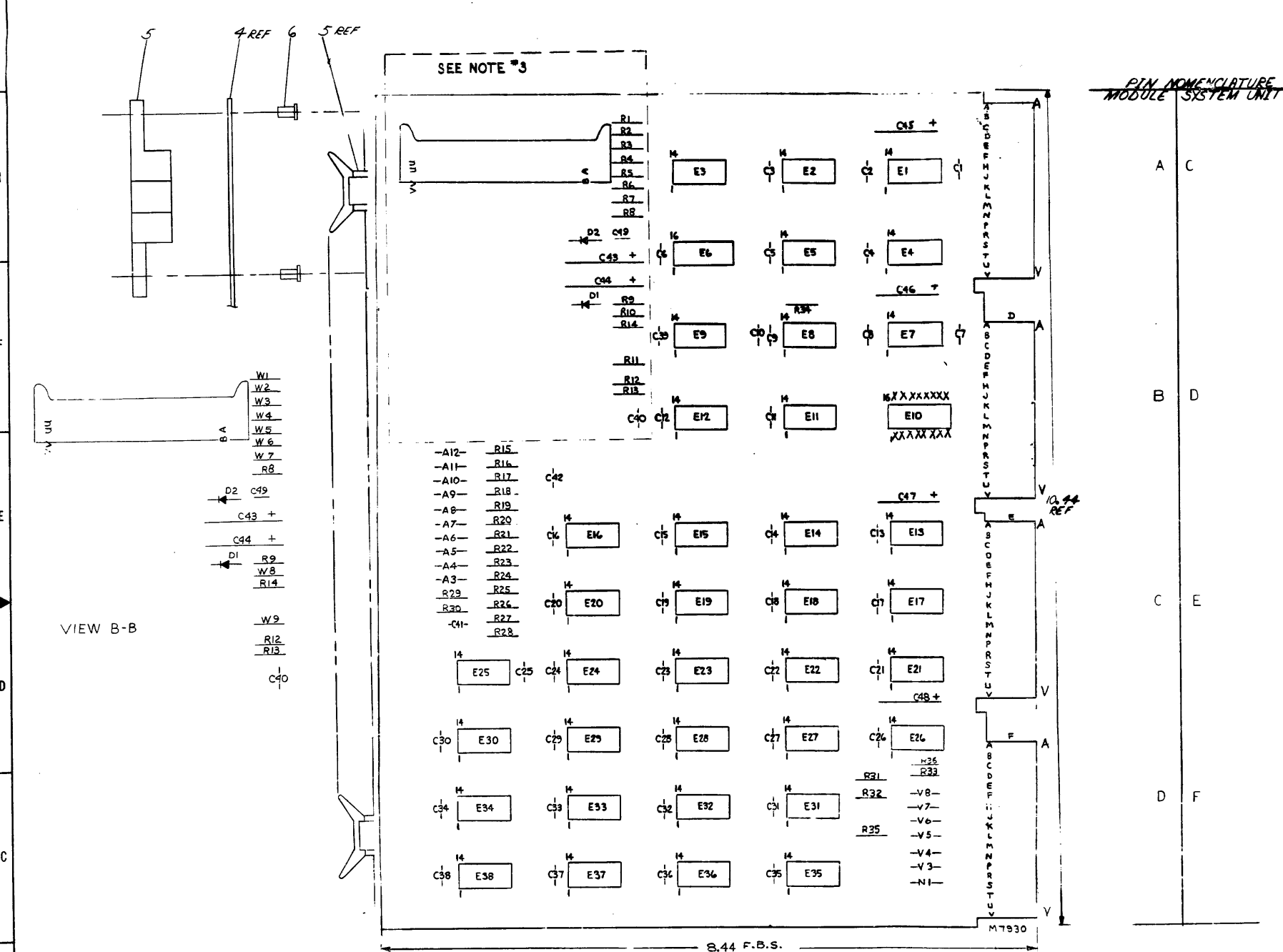
SIZE CODE NUMBER REV.  
 DMU LPII-0-MU B

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>			QUANTITY/VARIATION												
MADE BY MCCARTHY		CHECKED HEALY	SECTION												
DATE 5/22/70		DATE 6/9/70	1												
ENG <i>C.R. Quinn</i>		PROD <i>Hue Donald</i>	ISSUED SECT.												
DATE 6/29/70		DATE 6/26/70	1												
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
<del>1</del>	<del>M105</del>	<del>ADDRESS SELECTOR M105</del>	<del>1</del>												
<del>1</del>	<del>M793</del>	<del>LP11 CONTROL M793</del>	<del>1</del>												
<del>5</del>	<del>M782</del>	<del>INTERRUPT CONTROL M782</del>	<del>1</del>												
1	M7930 *	LP11 INTERFACE	1												
	M7258 *	PRINTER INTERFACE													
2	5408776	PRIORITY JUMPER LEVEL #4	1												
* EITHER INTERFACE MAYBE USED. (THE M7930 WAS REPLACED BY THE M7258).															
<del>* PRIORITY JUMPER LEVEL DEC #</del>															
<del>EIA 5408776-0</del>															
<del>WITH M793</del>															
TITLE			ASSY NO.	SIZE	CODE	NUMBER					REV.	ECO NO.			
MODULE UTILIZATION			11-0-M	A	PL	LP11-0-MU					B	LP11-0-MU			
SHEET			1	OF		1			DIST						

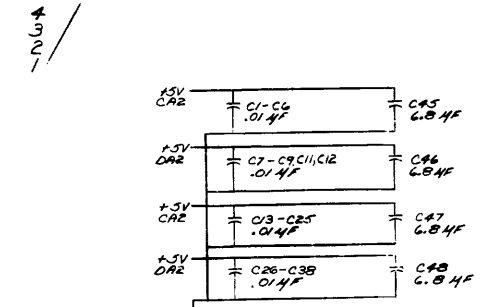
DEC FORM NO.  
DRA 110

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- NOTES:
- PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE SYSTEM UNIT. MODULE REFERENCE NUMBERS IS OBTAINED BY CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT THE LEFT.
  - JUMPERS TO BE USED AT CONNECTIONS A3 THRU A12, N1 AND V3 THRU V8.
  - USE VIEW B-B AND ITEM 40 IN PLACE OF ITEM 28 FOR M.7930-YB. CHANGE HANDLE TO REFLECT YB VARIATION.
  - A SEPARATE PRINT SET EXISTS FOR THE M.7930-YA VARIATION.



IC TYPE	QTY	FROM PT	TO PT		
DC 74123	1	16			
DC 540	1	5			
IC TYPE	QTY	FROM PT	TO PT		
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.					
JUMPER LIST		ITEM NO.	AWG	FROM PT	TO PT



QTY	REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
9	W1-W9	JUMPER INSULATED	900919E		40
17	A3-A12, V3-V8, N1	JUMPER WIRE	5107560-11		39
1	C10	CAP. 1000 PF 250V, 20% DISC	10000043		38
2	D1, D2	DIODE D664	1100114		37
1	E10 INSERT	PRIORITY JUMPER (4)	540871G		36
2	C41, C49	CAP. 330 PF 100V 5%	1000023		35
2	C42, C39	CAP. 470 PF 100V 5% DISC	1000024		34
4	C43-C48	CAP. 6.8UF 35V 20%	1000067		33
38	C1-C9, C11-C38, C40	CAP. 0.01UF 100V 20% DISC	1000110		32
2	C43, C44	CAP. 22UF 35V 20% S.TANT	1000233		31
1	R27	RES. 47 OHM 1/4W 5%	1300202		30
1	R28	RES. 100 OHM 1/4W 5%	1300259		29
9	R1-R7, R10, R11	RES. 120 OHM 1/4W 5%	1300247		28
1	R12	RES. 330 OHM 1/4W 5%	1300295		27
1	R33	RES. 390 OHM 1/4W 5%	1300309		26
16	R15-R27, R30, R31, R35	RES. 1K OHM 1/4W 5%	1300245		25
4	R18, R32, R34, R36	RES. 180 OHM 1/4W 5%	1301522		24
1	R13	RES. 750 OHM 1/4W 5%	1301401		23
2	R14	RES. 30K OHM 1/4W 5%	1302384		22
4	E3, E12, E28, E36	IC DEC 7474	1905547		21
3	E8, E33, E37	IC DEC 7400	1905575		20
3	E11, E22, E30	IC DEC 7402	1907004		19
1	E19	IC DEC 7400	1909036		18
9	E12, E4, E13, E8, E17, E18, E21, E26	IC DEC 7440	1911467		17
1	E32	IC DEC 74174	1909667		16
1	E9	IC DEC 7404	1909286		15
5	E5, E25, E27, E31, E35	IC DEC 7408	1907725		14
3	E14, E20, E24	IC DEC 7404	1907112		13
2	E15, E23	IC DEC 7404	1907115		12
1	E19	IC DEC 74104	1909931		11
3	E7, E29, E38	IC DEC 7408	1910153		10
1	E6	IC DEC 74123	1909636		9
1	E10	IC SOCKET	1809838		8
1		REQ. 40 PIN CONNECTOR	1809838		7
8		EXCELLENT QUALITY STIMPSON	9006732		6
4		HANDLE, FLIP-CHIP MARGENTA	9008337-04		5
1		ETCHED CIRCUIT BOARD	5009964		4
REF		MODULE ECO HISTORY	5-MH-M7930-6		3
REF		RESIDUE HOLE (ABOUT)	5-MH-M7930-3		2
REF		X-Y COORDINATE HOLE IDENTIFICATION	X-20-M7930-7		1

ETCH BOARD REV	DATE	BY	REVISIONS
E			

DEC NO.	EIA NO.	DEC NO.	EIA NO.

SEMICONDUCTOR CONVERSION CHART

SCALE NONE

SHEET 1 OF 3

DATE

NO. 1

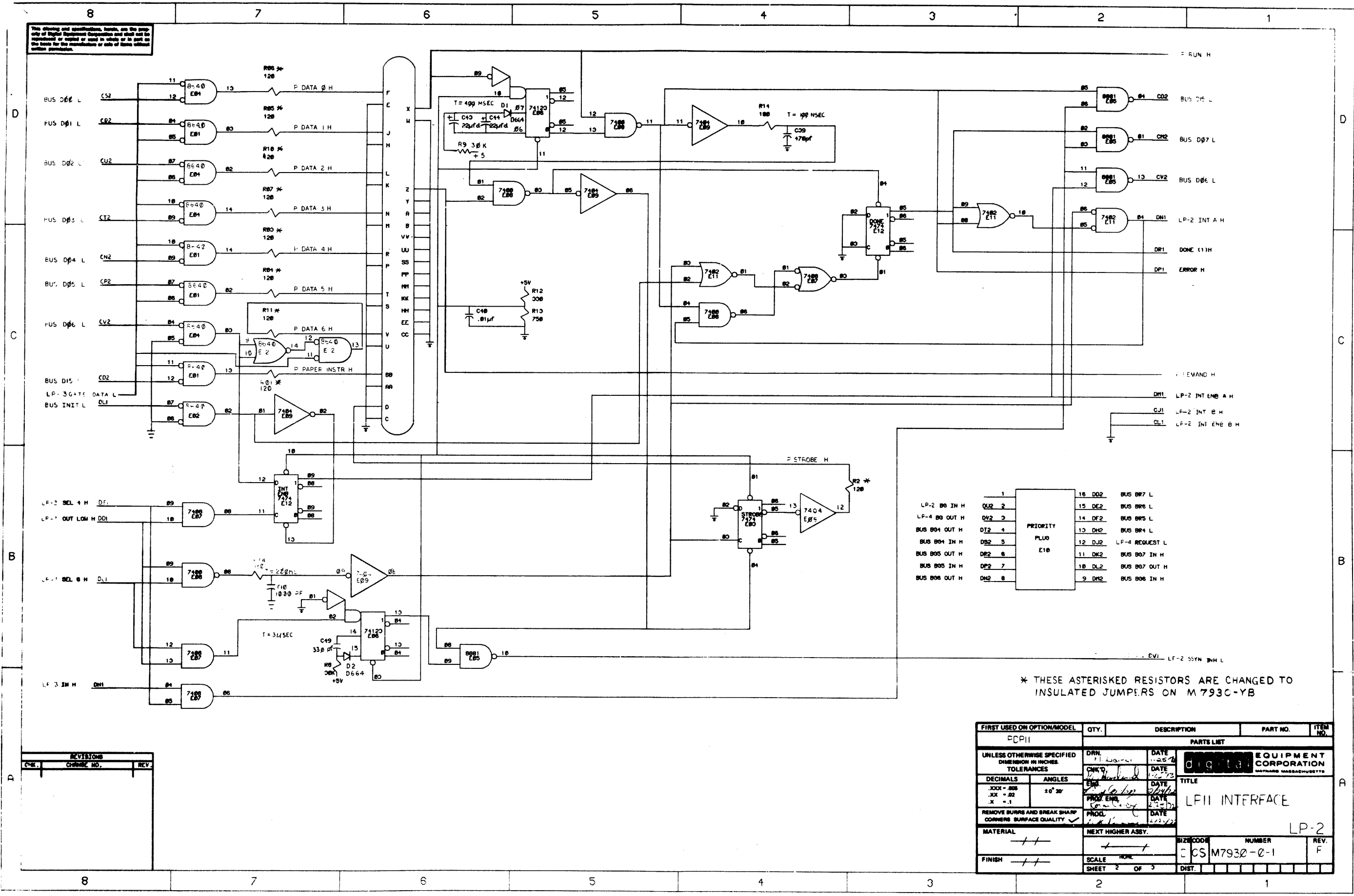
EQUIPMENT CORPORATION

LP II INTERFACE

LP-1

5CSM7930-0-1

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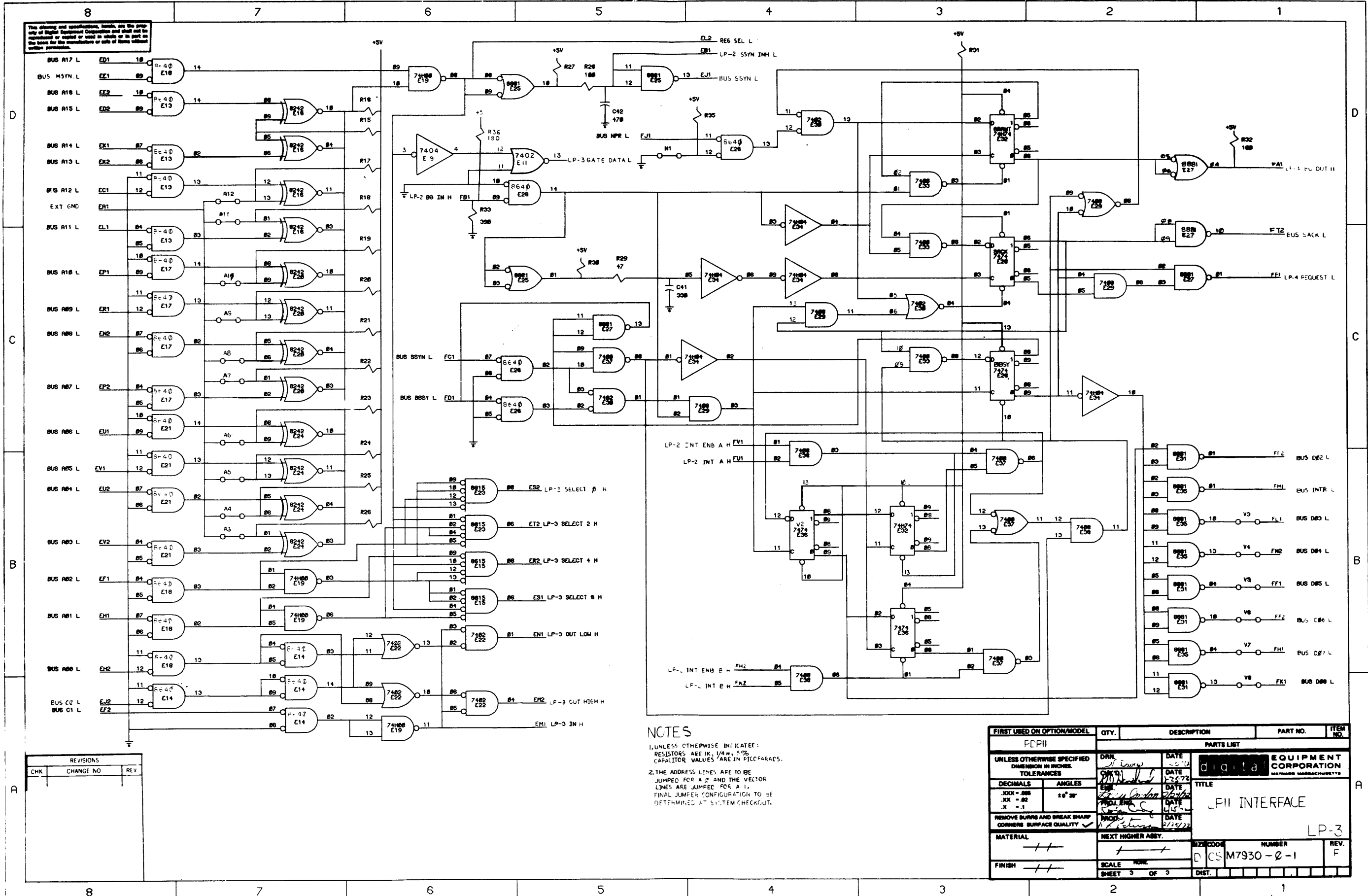
1	16	D02	BUS D07 L
2	15	DF2	BUS D06 L
3	14	DF2	BUS D05 L
4	13	DH2	BUS D04 L
5	12	DJ2	LP-4 REQUEST L
6	11	DK2	BUS D07 IN H
7	10	DL2	BUS D07 OUT H
8	9	DH2	BUS D06 IN H

\* THESE ASTERISKED RESISTORS ARE CHANGED TO INSULATED JUMPERS ON M 793C-YB

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PCPII		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	DIGITAL EQUIPMENT CORPORATION	
DECIMALS	CHK'D	DATE	MAYFIELD MASSACHUSETTS	
ANGLES	ENR	DATE	TITLE	
.XXX - .005	PRD/ ENR	DATE	LP-2 INTERFACE	
.XX - .02	PRDL	DATE	LP-2	
.X - .1		DATE	NUMBER	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			CS M7930-0-1	
MATERIAL	NEXT HIGHER ASSY.		REV. F	
FINISH	SCALE		SHEET 2 OF 3	
	SHEET		DIST.	





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REVISIONS		
CHK	CHANGE NO	REV

NOTES  
1. UNLESS OTHERWISE SPECIFIED:  
RESISTORS ARE 1K, 1/4W, 5%  
CAPACITOR VALUES ARE IN PICOFARADS.  
2. THE ADDRESS LINES ARE TO BE JUMPED FOR A 2 AND THE VECTOR LINES ARE JUMPED FOR A 1. FINAL JUMPER CONFIGURATION TO BE DETERMINED AT SYSTEM CHECKOUT.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
FDPII				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS		ANGLES		
XXX - .005		±0° 30'		
.X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL		NEXT HIGHER ASSY.	SCALE	NUMBER
FINISH			SHEET 5 OF 5	DIST.

**EQUIPMENT CORPORATION**  
MAYNARD MASSACHUSETTS

TITLE: LPII INTERFACE  
LP-3

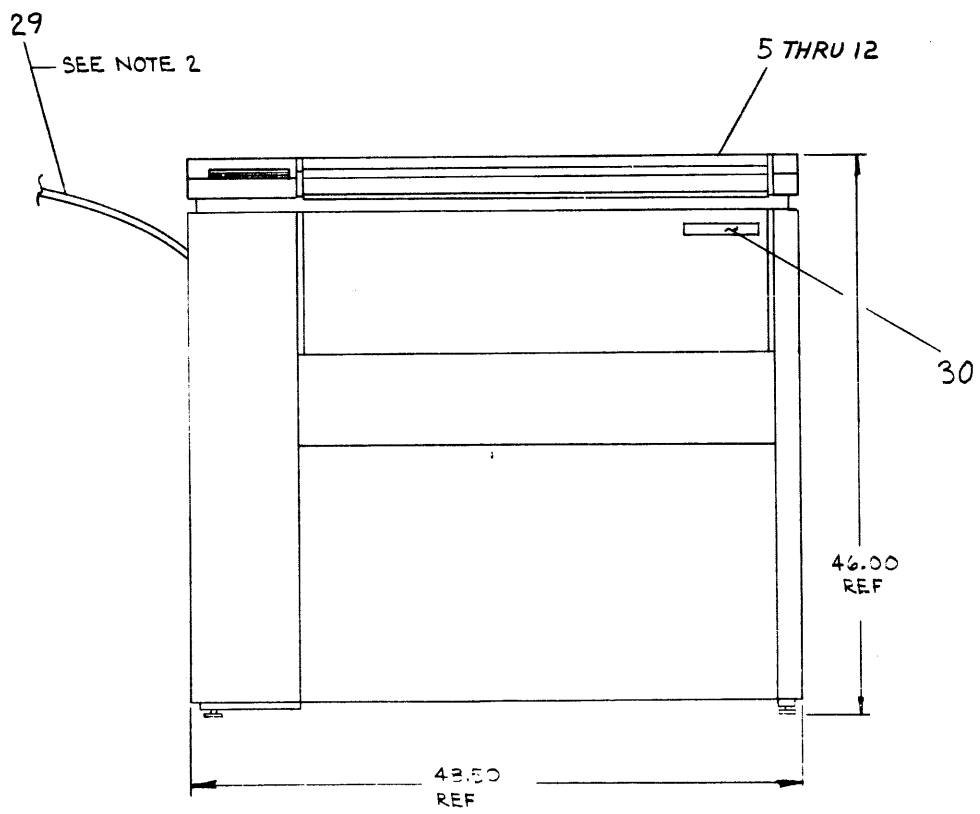
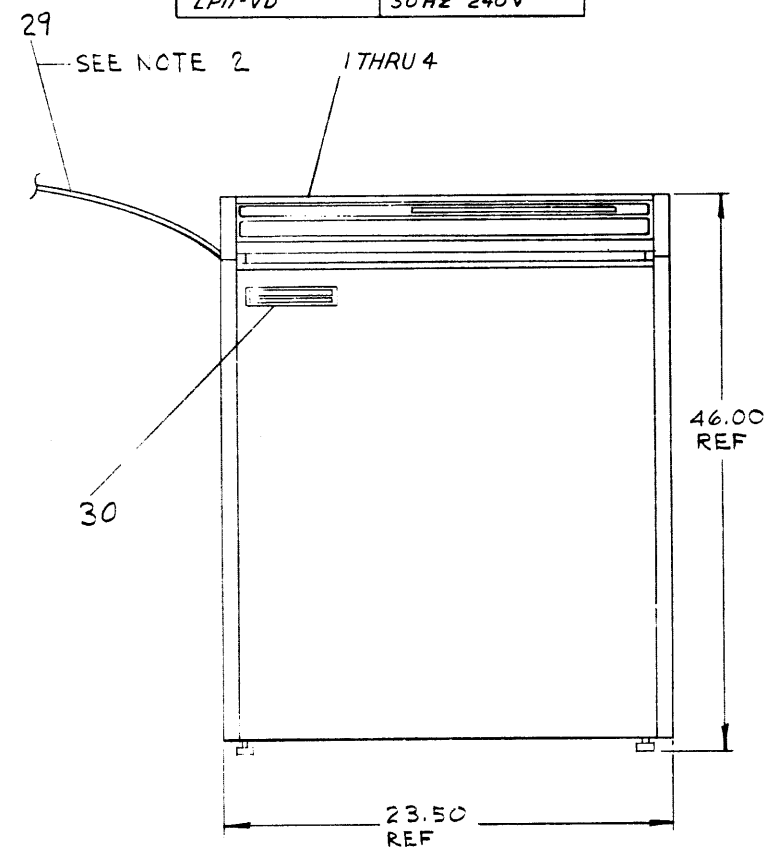
CS M7930-0-1  
REV. F

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LEGEND	
NUMBER	VARIATION
LP11-FA	60 HZ 120 V
LP11-FB	50 HZ 240 V
LP11-HA	60 HZ 120 V
LP11-HB	50 HZ 240 V
LP11-JA	60 HZ 120 V
LP11-JB	50 HZ 240 V
LP11-KA	60 HZ 120 V
LP11-KB	50 HZ 240 V
LP11-RA	60 HZ 120 V
LP11-RB	50 HZ 240 V
LP11-SA	60 HZ 120 V
LP11-SB	50 HZ 240 V
LP11-VA	60 HZ 120 V
LP11-VB	60 HZ 240 V
LP11-VC	50 HZ 120 V
LP11-VD	50 HZ 240 V

LEGEND (CONT)	
NUMBER	VARIATION
LP11-VE	60 HZ 120 V
LP11-VF	60 HZ 240 V
LP11-VH	50 HZ 120 V
LP11-VJ	50 HZ 240 V
LP11-WA	60 HZ 120 V
LP11-WB	60 HZ 240 V
LP11-WC	50 HZ 120 V
LP11-WD	50 HZ 240 V
LP11-WE	60 HZ 120 V
LP11-WF	60 HZ 240 V
LP11-WH	50 HZ 120 V
LP11-WJ	50 HZ 240 V

NOTES:  
 1. FOR DRAWING DIRECTORY INFORMATION, REFER TO DRAWING #B-DD-LP11-0  
 2. LOCATION OF ITEM #29(CABLE) TEMS# 28 (LINE PRINTERS) TO SIDE OF M7930 OR M7258 (SEE D-MU-LP11-0-MU) FOR LOCATION OF M7930 OR M7258.  
 3. FOR LP11 VARIATIONS, REFER TO DRAWING C-PL-LP11-0-0



REV	CHG	NO	BY	DATE	DESCRIPTION
A					REVISED
B					REVISED
C					CONDEN

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDF				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN W.F. McBRATHY DATE 5/22/73	digital EQUIPMENT CORPORATION MAYFORD MASSACHUSETTS	
DECIMALS	ANGLES	CHK'D D. HEPLLY DATE 6/12/70	TITLE	
XXX .005		ENG C. BLASI DATE 6/29/72	LINE PRINTER ASSY	
XX .02	± 0° 30'	PROJ. ENG. C. BLASI DATE 6/29/72	SIZE CODE	
X .1		PROD. F. M. DONNARD DATE 6/29/72	NUMBER	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.	REV	
MATERIAL		B-DD-LP11-0	DUALP11-0-0	
SEE PARTS LIST		SCALE	DIST	
FINISH		SHEET	OF	

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ITEM NO.	DWG. NO./PART NO	DESCRIPTION	PARTS LIST																											
			LP11-FA	LP11-FB	LP11-HA	LP11-HB	LP11-JA	LP11-JB	LP11-KA	LP11-KB	LP11-RA	LP11-RB	LP11-SA	LP11-SB	LP11-VA	LP11-VB	LP11-VC	LP11-VD	LP11-VE	LP11-VF	LP11-VH	LP11-VJ	LP11-WA	LP11-WB	LP11-WC	LP11-WD	LP11-WE	LP11-WF	LP11-WH	LP11-WJ
1	D-UA-LP01-FA-0	LP 80 COL, 64 CHAR SET, POS BUS, 60 HZ	1																											
2	D-UA-LP01-FB-0	LP 80 COL, 64 CHAR SET, POS BUS, 50 HZ		1																										
3	D-UA-LP01-HA-0	LP 80 COL, 96 CHAR SET, POS BUS, 60 HZ			1																									
4	D-UA-LP01-HB-0	LP 80 COL, 96 CHAR SET, POS BUS, 50 HZ				1																								
5	E-UA-LP02-JA-0	LP 132 COL, 64 CHAR SET, 60 HZ					1																							
6	E-UA-LP02-JB-0	LP 132 COL, 64 CHAR SET, 50 HZ						1																						
7	E-UA-LP02-KA-0	LP 132 COL, 96 CHAR SET, 60 HZ							1																					
8	E-UA-LP02-KB-0	LP 132 COL, 96 CHAR SET, 50 HZ								1																				
9	E-UA-LP04-RA-0	LP 132 COL, 64 CHAR SET, 60 HZ									1																			
10	E-UA-LP04-RB-0	LP 132 COL, 64 CHAR SET, 50 HZ										1																		
11	E-UA-LP04-SA-0	LP 132 COL, 96 CHAR SET, 60 HZ											1																	
12	E-UA-LP04-SB-0	LP 132 COL, 96 CHAR SET, 50 HZ												1																
13	A-PL-LP05-VA-0	LP 132 COL, 64 CHAR (EDP), 115V, 60 HZ													1															
14	A-PL-LP05-VB-0	LP 132 COL, 64 CHAR (EDP), 220V, 60 HZ														1														
15	A-PL-LP05-VC-0	LP 132 COL, 64 CHAR (EDP), 115V, 50 HZ															1													
16	A-PL-LP05-VD-0	LP 132 COL, 64 CHAR (EDP), 220V, 50 HZ																1												
17	A-PL-LP05-VE-0	LP 132 COL, 64 CHAR (SCI), 115V, 60 HZ																	1											
18	A-PL-LP05-VF-0	LP 132 COL, 64 CHAR (SCI), 220V, 60 HZ																		1										
19	A-PL-LP05-VH-0	LP 132 COL, 64 CHAR (SCI), 115V, 50 HZ																			1									
20	A-PL-LP05-VJ-0	LP 132 COL, 64 CHAR (SCI), 220V, 50 HZ																				1								
21	A-PL-LP05-WA-0	LP 132 COL, 96 CHAR (EDP), 115V, 60 HZ																					1							
22	A-PL-LP05-WB-0	LP 132 COL, 96 CHAR (EDP), 220V, 60 HZ																						1						
23	A-PL-LP05-WC-0	LP 132 COL, 96 CHAR (EDP), 115V, 50 HZ																							1					
24	A-PL-LP05-WD-0	LP 132 COL, 96 CHAR (EDP), 220V, 50 HZ																								1				
25	A-PL-LP05-WE-0	LP 132 COL, 96 CHAR (SCI), 115V, 60 HZ																									1			
26	A-PL-LP05-WF-0	LP 132 COL, 96 CHAR (SCI), 220V, 60 HZ																										1		
27	A-PL-LP05-WH-0	LP 132 COL, 96 CHAR (SCI), 115V, 50 HZ																											1	
28	A-PL-LP05-WJ-0	LP 132 COL, 96 CHAR (SCI), 220V, 50 HZ																												1
29	D-IA-7008837-0-0	LINE PRINTER CABLE (M7930)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	B-IA-7408204-0-0	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	A-PL-LP11-0-MU	MODULE UTILIZATION PARTS LIST	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	D-IA-7011212-0-0	LINE PRINTER CABLE (M7253)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

REV.	CHANGE NO.	CHK	DATE
C	LP11-00001		
D	LP11-00002		
L	CONDON		

FIRST USED PART IDENTIFICATION CODE	PDP11
UNLESS OTHERWISE SPECIFIED	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	
TOLERANCES	
DECIMALS ± .005	FRACTIONS ± 1/64
ANGLES ± 0°30'	
FINAL SURFACE QUALITY	REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL	
FINISH	

DRN. W. MCCARTHY	DATE 5/22/70
CHK'D. D. HEALY	DATE 6/10/70
ENG. C. BLASI	DATE 6/26/70
PROJ. ENG. C. BLASI	DATE 6/26/70
PROD. T. MACDONALD	DATE 6/26/70
NEXT HIGHER ASSY.	
D-UA-LP11-0-0	
SCALE	
SHEET	OF

**digital EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

TITLE: LINE PRINTER ASSY (PL)

SIZE CODE: C PL NUMBER: LP11-0-0 REV: D

DIST. 1

4 3 2 1

D C B A

REV. D

SIZE CODE C PL NUMBER LP11-0-0

DEC FORM NO. A 2 2 1

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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS**

**ENGINEERING SPECIFICATION**

DATE 2/28/73

TITLE LP11 PRINTER ACCEPTANCE PROCEDURE

**REVISIONS**

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

**I. SCOPE**

This procedure should be used to accept the following printers:

LP11-FA or LP11-FB	300 LPM	80 column	64 chars
LP11-HA or LP11-HB	300 LPM	80 column	96 chars
LP11-JA or LP11-JB	300 LPM	132 column	64 chars
LP11-KA or LP11-KB	300 LPM	132 column	96 chars
LP11-RA or LP11-RB	1200 LPM	132 column	64 chars
LP11-SA or LP11-SB	800 LPM	132 column	96 chars

**II. PROCEDURE**

1.0 On initial start up, line printer should be turned off.

2.0 Load the diagnostic (MAINDEC-11-DZLPA-A).

2.1 Put the ENABLE/HALT switch down; set the switch register to all 0's. Depress the LOAD ADDR switch and then hit START (to initialize).

2.2 Place tape in reader.

2.3 Depress feed switch on reader.

2.4 Depress SW1 switch in loader control panel.

3.0 Run the diagnostic.

3.1 The LP11 diagnostic consists of seven tests. Refer to the diagnostic writeup for a description of each test.

3.2 With the switch register set to 200, press LOAD ADDR. Set switch register to desired setting

ENG Larry Condon	APPD	SIZE <b>A</b>	CODE SP	NUMBER LP11-0-4	REV
------------------	------	------------------	------------	--------------------	-----

DEC FORM NO. DRA 107

SHEET 1 OF 2

**ENGINEERING SPECIFICATION**

CONTINUATION SHEET

TITLE LP11 PRINTER ACCEPTANCE PROCEDURE

(see diagnostic writeup).

3.2.1 If 132 column model, put up switch 14.

3.2.2 If 96 character model, put up switch 13.

3.3 Hit START, wait for timeout, then hit CONTINUE.

3.4 Follow the instructions typed out on the teletype, having turned power on the line printer.

3.5 Once manual intervention is done, proceed to printer test and let it run for 1½ hours.

SIZE <b>A</b>	CODE SP	NUMBER LP11-0-4	REV
------------------	------------	--------------------	-----

DEC FORM NO. DRA 108 DEC 16-(381)-1022-N370

SHEET 2 OF 2

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY / VARIATION														
SOFTWARE LIST			D	DOCUMENT	LP11-PA	LP11-PB	LP11-RA	LP11-RB	LP11-SA	LP11-SB	LP11-VA	LP11-VB	KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE	
MADE BY Larry Condon DATE 5/14/73			DN	DOCUMENT CHANGE NOTICE															PA PAPER TAPE ASCII
CHECKED L. Condon DATE 5/14/73			SECTION 1																
ENG Larry Condon DATE 5/14/73			PROD Jack Gorman DATE 5/14/73		ISSUED SECT. 4														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION								KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE				
1.	MAINDEC-11-DZLPA-A-D	LP11 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
2.	MAINDEC-11-DZLPA-A-PB	LP11 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
3.	MAINDEC-11-DZLPA-A-D	LPI/LP05 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
4.	MAINDEC-11-DZLPA-A-PB	LPI/LP05 LINE PRINTER TEST	-	-	-	-	-	-	-	-									

TITLE	ASSY. NO.	SIZE CODE	NUMBER	REV.	ECO NO
LP11 SOFTWARE LIST	SHEET 1 OF 4	ASL	LP11-0-5	A	LP11-00008

DEC FORM NO. DEC 16 (327)-1049 N471  
DRA 120

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY / VARIATION														
SOFTWARE LIST			D	DOCUMENT	LP11-KB	LP11-RA	LP11-RB	LP11-SA	LP11-SB	LP11-VA	LP11-VB	KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE		
MADE BY Larry Condon DATE 5/14/73			DN	DOCUMENT CHANGE NOTICE														PA PAPER TAPE ASCII	
CHECKED L. Condon DATE 5/14/73			SECTION 2																
ENG Larry Condon DATE 5/14/73			PROD Jack Gorman DATE 5/14/73		ISSUED SECT. 4														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION								KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE				
1.	MAINDEC-11-DZLPA-A-D	LP11 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
2.	MAINDEC-11-DZLPA-A-PB	LP11 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
3.	MAINDEC-11-DZLPA-A-D	LPI/LP05 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
4.	MAINDEC-11-DZLPA-A-PB	LPI/LP05 LINE PRINTER TEST	-	-	-	-	-	-	-	-									

TITLE	ASSY. NO.	SIZE CODE	NUMBER	REV.	ECO NO
LP11 SOFTWARE LIST	SHEET 2 OF 4	ASL	LP11-0-5	A	

DEC FORM NO. DEC 16 (327)-1049 N471  
DRA 120

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY / VARIATION														
SOFTWARE LIST			D	DOCUMENT	LP11-VC	LP11-VD	LP11-VE	LP11-VF	LP11-VH	LP11-VI	LP11-VA	KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE		
MADE BY Larry Condon DATE 5/14/73			DN	DOCUMENT CHANGE NOTICE														PA PAPER TAPE ASCII	
CHECKED L. Condon DATE 5/14/73			SECTION 3																
ENG Larry Condon DATE 5/14/73			PROD J. Gorman DATE 5/14/73		ISSUED SECT. 4														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION								KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE				
1.	MAINDEC-11-DZLPA-A-D	LP11 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
2.	MAINDEC-11-DZLPA-A-PB	LP11 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
3.	MAINDEC-11-DZLPA-A-D	LP11/LP05 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
4.	MAINDEC-11-DZLPA-A-PB	LP11/LP05 LINE PRINTER TEST	1	1	1	1	1	1	1	1									

TITLE	ASSY. NO.	SIZE CODE	NUMBER	REV.	ECO NO
LP11 SOFTWARE LIST	SHEET 3 OF 4	ASL	LP11-0-5	A	

DEC FORM NO. DEC 16 (327)-1049 N471  
DRA 120

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY / VARIATION														
SOFTWARE LIST			D	DOCUMENT	LP11-WB	LP11-WC	LP11-WD	LP11-WE	LP11-WF	LP11-WH	LP11-WJ	KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE		
MADE BY Larry Condon DATE 5/14/73			DN	DOCUMENT CHANGE NOTICE														PA PAPER TAPE ASCII	
CHECKED L. Condon DATE 5/14/73			SECTION 4																
ENG Larry Condon DATE 5/14/73			PROD J. Gorman DATE 5/14/73		ISSUED SECT. 4														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION								KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE				
1.	MAINDEC-11-DZLPA-A-D	LP11 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
2.	MAINDEC-11-DZLPA-A-PB	LP11 LINE PRINTER TEST	-	-	-	-	-	-	-	-									
3.	MAINDEC-11-DZLPA-A-D	LP11/LP05 LINE PRINTER TEST	1	1	1	1	1	1	1	1									
4.	MAINDEC-11-DZLPA-A-PB	LP11/LP05 LINE PRINTER TEST	1	1	1	1	1	1	1	1									

TITLE	ASSY. NO.	SIZE CODE	NUMBER	REV.	ECO NO
LP11 SOFTWARE LIST	SHEET 4 OF 4	ASL	LP11-0-5	A	

DEC FORM NO. DEC 16 (327)-1049 N471  
DRA 120

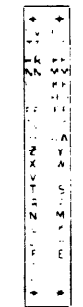


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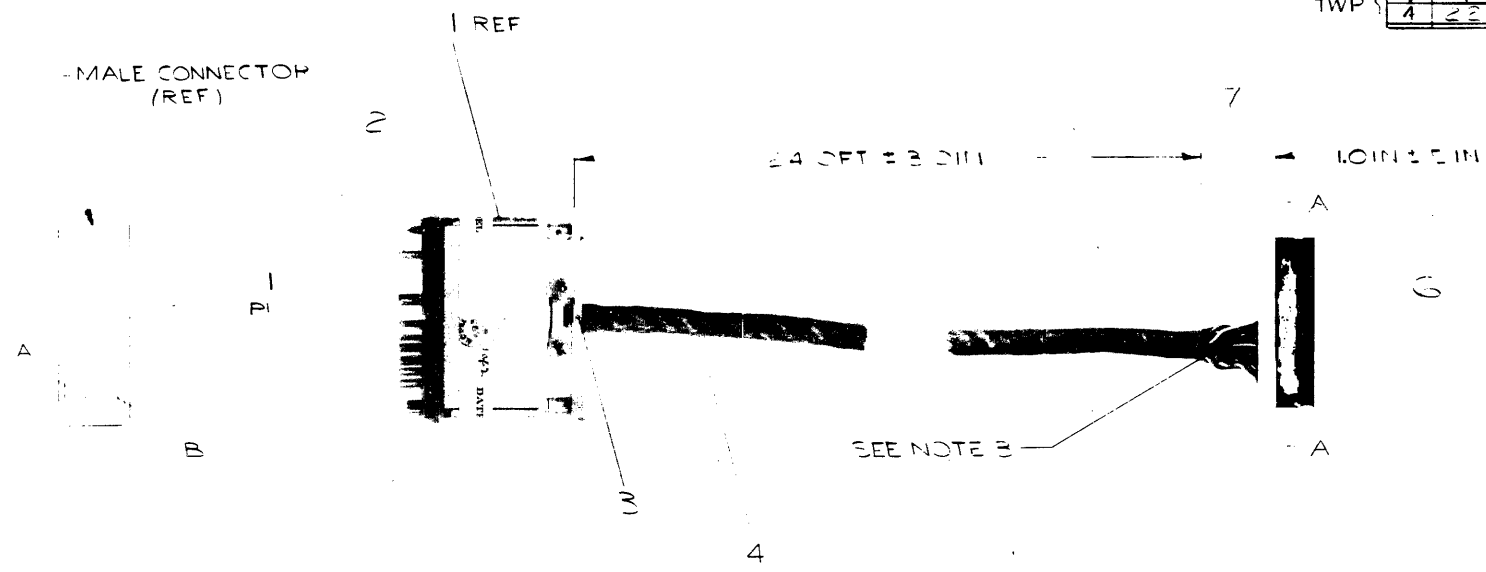
WIRE TABLE						
ITEM NO.	DESCRIPTION	COLOR	FROM CONNECTION	WITH CONNECTION	TO CONNECTION	WITH CONNECTION
4	22	RED	PI-M	Z	P2-C	G
		YEL	J		D	
		RED	J		D	
		BLU	B		F	
		BLU	T		H	
		BLK	N		K	
		GRN	L		L	
		RED	R		M	
		BLK	X		P	
		WHT	V		R	
		BLK	N		S	
		RED	N		T	
		BLU	K		U	
		BRN	I		V	
		RED	A		W	
		GRN	Y		X	
		BLK			Z	
		YEL				

NOTES:  
 1. ITEMS NO 2 & 6 TO BE CRIMPED TO WIRES BEFORE IT IS INSERTED INTO ITEMS NO 1'S.  
 2. THE FOLLOWING WINCHESTER ELECTRONICS CRIMPING TOOLS CAN BE USED:  
 A) CRIMPER #107-0903-2A  
 B) INSERTION TOOL #107-1015  
 C) REMOVAL TOOL #107R-1001  
 3. AT LEAST ONE TWIST OF EACH PAIR MUST SHOW BEYOND CABLE JACKET.

FIN ASSIGNMENTS  
 (ASTERISK) INDICATES PIN SLOT NOT USED



MALE CONNECTOR (REF)



VIEW A-A  
 (BERG 40 CONTACT CONNECTOR)

QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	1 IN BERG ELECTRONICS	12 10089-4	6
1	HOUSING 40 CONTACT BERG	12 10	5
A/R	CABLE #1324 ALFA 22 COND.	9107707	4
A/R	TAPE DOUBLE BACK	9007834	3
2	PIN CONN WINCHESTER	1209629	2
1	PLUG WRAPS OF THE WINCHESTER	1209726	1

FIRST USED ON OPTION/MODEL	DO NOT SCALE DRAWING	DRN	DATE
	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHK'D	DATE
	TOLERANCES	ENGR	DATE
	PERMANENT TOLERANCES	PROJ. ENG	DATE
	ANGLES	PROD	DATE
	FINAL SURFACE QUALITY		
	REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL		NEXT HIGH-ER ASSY	
FINISH		SCALE	
		SHEET	

**digital** EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

TITLE

SIZE CODE: D 1A 7008837-0-0  
 NUMBER: 0-0  
 REV.

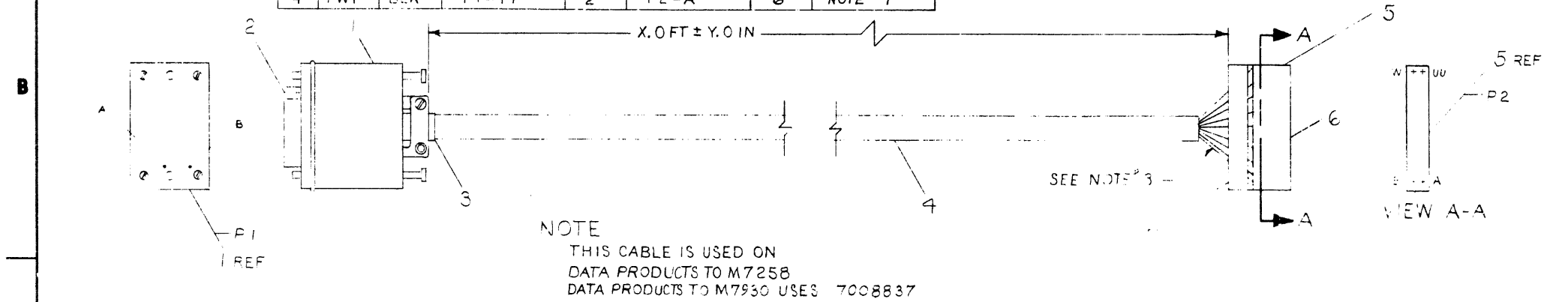
REVISIONS  
 CHANGE NO.  
 CHK

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WIRE TABLE							
ITEM NO	DESCRIPTION	FROM		TO		SIGNAL NAME	
	AWG	COLOR	CONNECTION	TERM	CONNECTION	TERM	
4	24 TWP	BLU	P1-B	2	P2-JJ	6	D1
		YEL	P1-F		P2-LL		D2
		ORN	P1-L		P2-BB		D3
		RED	P1-R		P2-FF		D4
		ORN	P1-V		P2-TT		D5
		YEL	P1-Z		P2-RR		D6
		GRN	P1-n		P2-DD		D7
		YEL	P1-p		P2-D		D8(VFU)
		BLU	P1-D		P2-HH		RTN
		WHT	P1-J		P2-KK		RTN
		GRN	P1-N		P2-AA		RTN
		WHT	P1-T		P2-EE		RTN
		BRN	P1-X		P2-SS		RTN
		WHT	P1-b		P2-PP		RTN
		BLU	P1-K		P2-CC		RTN
		RED	P1-s		P2-C		RTN
		BLU	P1-E		P2-X		DEMAND
		BLK	P1-C		P2-W		RTN
		GRN	P1-J		P2-VV		STROBE
		BLK	P1-m		P2-UU		RTN
		GRN	P1-y		P2-R		FAULT
		BLK	P1-AA		P2-P		RTN
		GRY	P1-EE		P2-V		PAPER
		RED	P1-Y		P2-U		RTN
BRN	P1-a		P2-J		NOTE *4		
RED	P1-c		P2-H				
GRN	P1-f		P2-L				
RED	P1-h		P2-K				
ORN	P1-y		P2-F				
WHT	P1-t		P2-E				
BRN	P1-u		P2-T				
BLK	P1-w		P2-S				
GRY	P1-z		P2-Z				
WHT	P1-BB		P2-Y				
GRY	P1-DD		P2-B				
4	24 TWP	BLK	P1-FF	2	P2-A	6	NOTE *4

LEGEND		
NUMBER	DIM "X" VARIATION	DIM "Y" PRECUT
7011212-25	25 FT ± 3 IN	25FT4IN ± 3IN
7011212-50	50 FT ± 1 FT	50FT4IN ± 1FT
7011212-AØ	100 FT ± 2 FT	100FT4IN ± 2 FT

- NOTES
- ITEMS NO \*2 & \*6 TO BE CRIMPED TO W RES BEFORE IT IS INSERTED INTO ITEMS NO \*1 & \*5.
  - THE FOLLOWING WINCHESTER ELECTRONICS CRIMPING TOOLS CAN BE USED.  
A) CRIMPER \*107-0903-2A  
B) INSERTION TOOL \*107-1015  
C) REMOVAL TOOL \*107R-1001
  - AT LEAST ONE TWIST OF EACH PAIR MUST SHOW BEYOND CABLE JACKET.
  - ALL UNUSED WIRES TO BE CUT FLUSH WITH OUTER COVER OF THE CABLE AT BOTH ENDS. THIS INCLUDES ALL CONNECTIONS WITH THE REFERENCE TO NOTE 4.



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO
1	STRAIN RELIEF	1211166	7
24	SOCKET CRIMP *48015	1210039-4	3
1	CONN 44 PIN	1210918-15	5
1	CABLE *24 AWG	9107700	4
A/R	TAPE DOUBLE COATED	5007834	3
24	CONN PIN	5008225	2
1	CONN PLUS	1209726	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.	ITEM NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 10°/30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY	(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 40.0
		0.2	1.2	4.0	40.0
MICROINCHES	MEDIUM	±.004	±.008	±.012	±.016
	PREFERRED	±.012	±.016	±.025	±.04
THIRD ANGLE PROJECTION		DRN. <i>5/3/75</i>	FIRST USED ON		
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D. <i>5/3/75</i>	TITLE		
DO NOT SCALE DWG		ENG. <i>5/3/75</i>	CABLE LINEPRINTER (M7258)		
MATERIAL		PROD. <i>5/3/75</i>	SIZE		
FINISH		NEXT HIGHER ASSY.	CODE		
			NUMBER		
			REV.		
			DIST		

REV.	CHANGE NO.	DATE	BY	APP.
1	1	5/3/75	L. CONDON	



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**NOTES:**

- PIN NOTATION THROUGH-OUT IS ORDERED UPON MODULE PLACEMENT IN THE SYSTEM UNIT. MODULE REFERENCE ALONE IS OBTAINED BY CONVERTING THE 1st LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT THE RIGHT.
- JUMPERS TO BE USED AT CONNECTIONS A3-A12, Y2-Y8, J1-J14, N1.
- DEC 8640'S WERE PHASED IN AS 380 REPLACEMENTS. 380 FAILURES SHOULD BE REPLACED BY 8640'S.

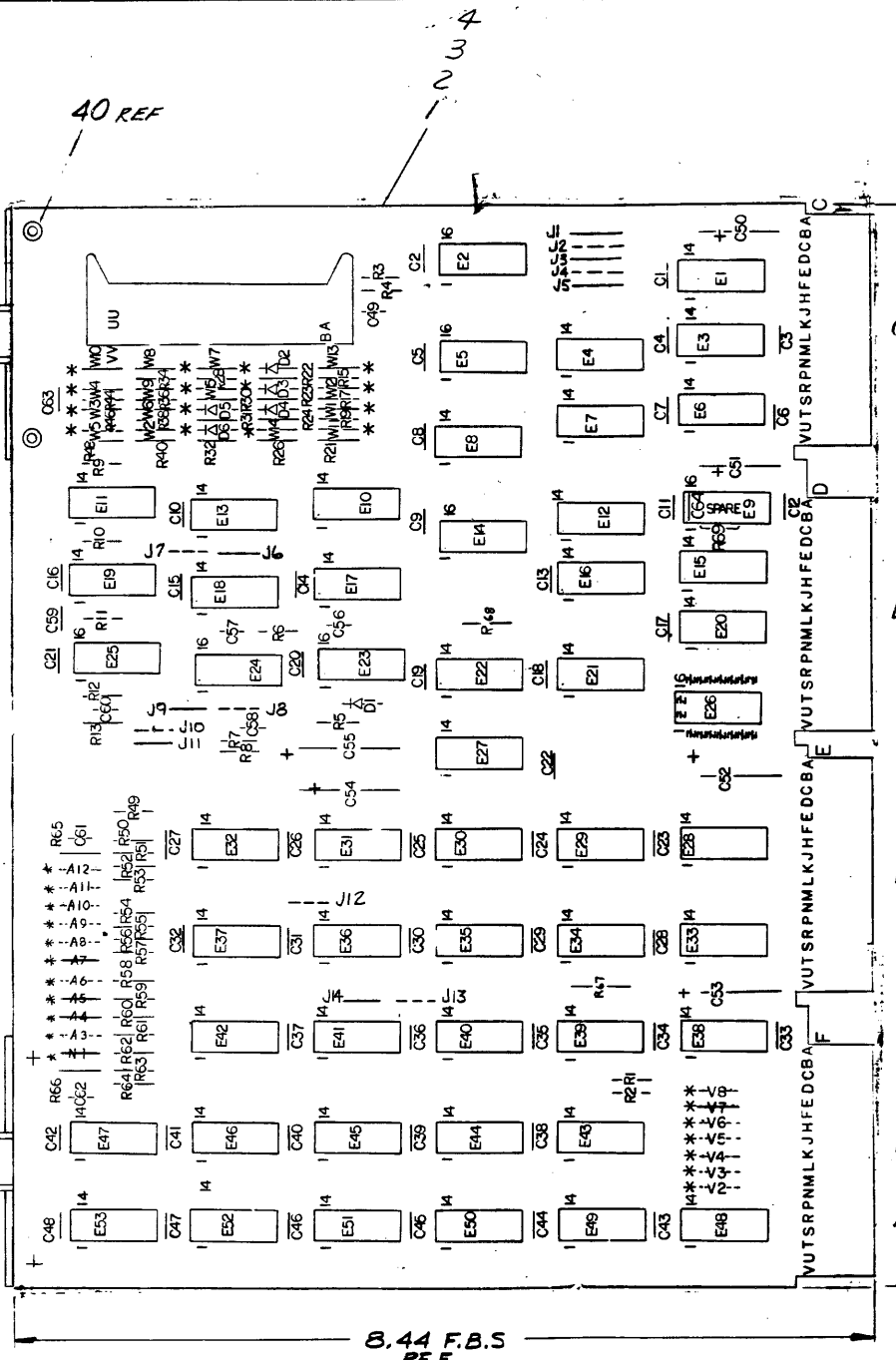
**JUMPER TABLE**

JUMPER DESIGNATION	UNIT NO.	LS11	LV11	LP11	LA11
J1	OUT	IN	OUT	IN	
J2	IN	OUT	IN	OUT	
J3	IN	IN	IN	IN	
J4	OUT	OUT	OUT	OUT	
J5	IN	IN	IN	IN	
J6	IN	OUT	IN	IN	
J7	OUT	IN	OUT	OUT	
J8	OUT	IN	IN	OUT	
J9	IN	OUT	OUT	IN	
J10	OUT	IN	OUT	OUT	
J11	IN	OUT	IN	IN	
J12	OUT	OUT	OUT	OUT	
J13	OUT	OUT	OUT	OUT	
J14	IN	IN	IN	IN	
N1	OUT	IN	OUT	OUT	
W1-W4, W6-W15	IN	IN	IN	IN	
N1	IN	IN	IN	IN	

**IC PIN LOCATIONS**

IC TYPE	GND	+5V
74123	8	16
74174	8	16
74175	8	16
8640	1	8

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.



**PIN NOMENCLATURE**

MODULE	SYSTEM UNIT
A	C
B	C
C	E
D	F
E	C
F	D

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
		X-Y COORDINATE HOLE LOCATION	K-CO-W258-B-4	1
		ASSY/DRILLING HOLE LAYOUT	D-AH-M7258-B-5	2
		MODULE ECO HISTORY	B-WH-M7258-B-6	3
		ETCHED CIRCUIT	5010232	4
3	C59, C60, C57	CAP 47PF, 100V 5% D.M.	1000011	5
1	C82	CAP 330PF 100V 5% D.M.	1000023	6
2	C81, C64	CAP 470PF 100V 5% D.M.	1000024	7
4	C50-C53	CAP 6.8UF 35V 10% S.TANT	10001610	8
50	C1-C49, C63	CAP .01UF 100V 20% DISC	1002433	9
2	C54, C55	CAP 22UF 35V 20% S.TANT	1000111	10
6	D1-D6	DIODE DEE	1209338	11
1	E28	SOCKET I.C.	1209338	12
1		CONN. BERG 40 PIN	1209338	13
1	R66	RES. 47, 1/4W, 5%	1300202	14
1	R65	RES. 100, 1/4W, 5%	1300229	15
1	R3	RES. 330, 1/4W, 5%	1300295	16
1	R1	RES. 390, 1/4W, 5%	1300309	17
22	R15, R17, R19, R21-R24, R26, R27, R30-R32, R34, R36, R38, R40, R44, R48, R48, R50, R51, R63	RES. 1K, 1/4W, 5%	1300365	18
18	R5, R7, R9, R10, R13, R49, R52-R62, R64	RES. 10K, 1/4W, 5%	1300479	19
3	R2, R67, R69	RES. 180, 1/4W, 5%	1301322	20
1	R4	RES. 750, 1/4W, 5%	1301401	21
4	R6, R8, R11, R12	RES. 30K, 1/4W, 5%	1302394	22
1	E17	IC DEC 7474	1905547	23
3	E16, E45, E52	IC DEC 400	1905575	24
3	E4, E7, E8	IC DEC 7430	1905578	25
3	E27, E35, E44	IC DEC 7402	1909004	26
1	E36	IC DEC 74H00	1909056	27
10	E1, E3, E18, E20, E28, E29, E30, E33, E34, E39	IC DEC 8640	191146	28
3	E51, E47, E53	IC DEC 74H74	1909667	29
1	E22	IC DEC 7404	1909686	30
5	E6, E31, E38, E43, E48	IC DEC 8081	1909705	31
3	E32, E37, E42	IC DEC 8242	1909712	32
3	E12, E40, E41	IC DEC 8815	1909713	33
4	E10, E11, E13, E19	IC DEC 7437	1910091	34
4	E15, E21, E49, E50	IC DEC 7408	1910155	35
3	E23, E24, E25	IC DEC 74123	1910436	36
2	E2, E5	IC DEC 74175	1910651	37
1	E14	IC DEC 74174	1910652	38
8		EYELET #GS4-7 EB STIMPSON	9006732	39
4		HANDLE FLIP CHIP-MAGENTA	9008337-06	40
1	E46	IC DEC 74H04	1909731	41
2	C56, C58	CAP 100 PF, 100V, 5% DM	1000016	42
14	W1-W4, W6-W15	INSULATED JUMPERS	9009135	43
12	A4, A5, A7, A7 J1, J3, J5, J6, J9, J11, J14, N1	JUMPER, BUSS WIRE	91.75 50-11	45

CA2, DA2, EA2, FA2 +5V  
 6.8uf 35V 20% C50 20% C51 20% C52 20% C53  
 .010F, 100V C1 THRU C49  
 .01uf 100V 20% C63

**REVISIONS**

CHK	CHANGE NO.	REV
L. CONDON	1	1-15-73
L. CONDON	2	2-12-73
L. CONDON	3	3-14-73
L. CONDON	4	4-18-73
L. CONDON	5	5-16-75
L. CONDON	6	6-11-75
L. CONDON	7	7-12-73
L. CONDON	8	8-14-73
L. CONDON	9	9-2-74
L. CONDON	10	10-1-74
L. CONDON	11	11-1-74
L. CONDON	12	12-1-74
L. CONDON	13	1-15-75
L. CONDON	14	2-12-73
L. CONDON	15	3-14-73
L. CONDON	16	4-18-73
L. CONDON	17	5-16-75
L. CONDON	18	6-11-75
L. CONDON	19	7-12-73
L. CONDON	20	8-14-73
L. CONDON	21	9-2-74
L. CONDON	22	10-1-74
L. CONDON	23	11-1-74
L. CONDON	24	12-1-74
L. CONDON	25	1-15-75

FIRST USED ON OPTION MODEL PDP 11

ETCH BOARD REV D

**REVISIONS**

DEC NO.	EIA NO.	DEC NO.	EIA NO.

**SEMICONDUCTOR CONVERSION CHART**

SCALE	SHEET	OF	4

**PARTS LIST**

DRN	DATE	CHK'D	DATE	ENG	DATE	PROJ. ENG.	DATE	PROD.	DATE

**digital EQUIPMENT CORPORATION**  
 MAYNARD, MASSACHUSETTS

TITLE: **PRINTER INTERFA**

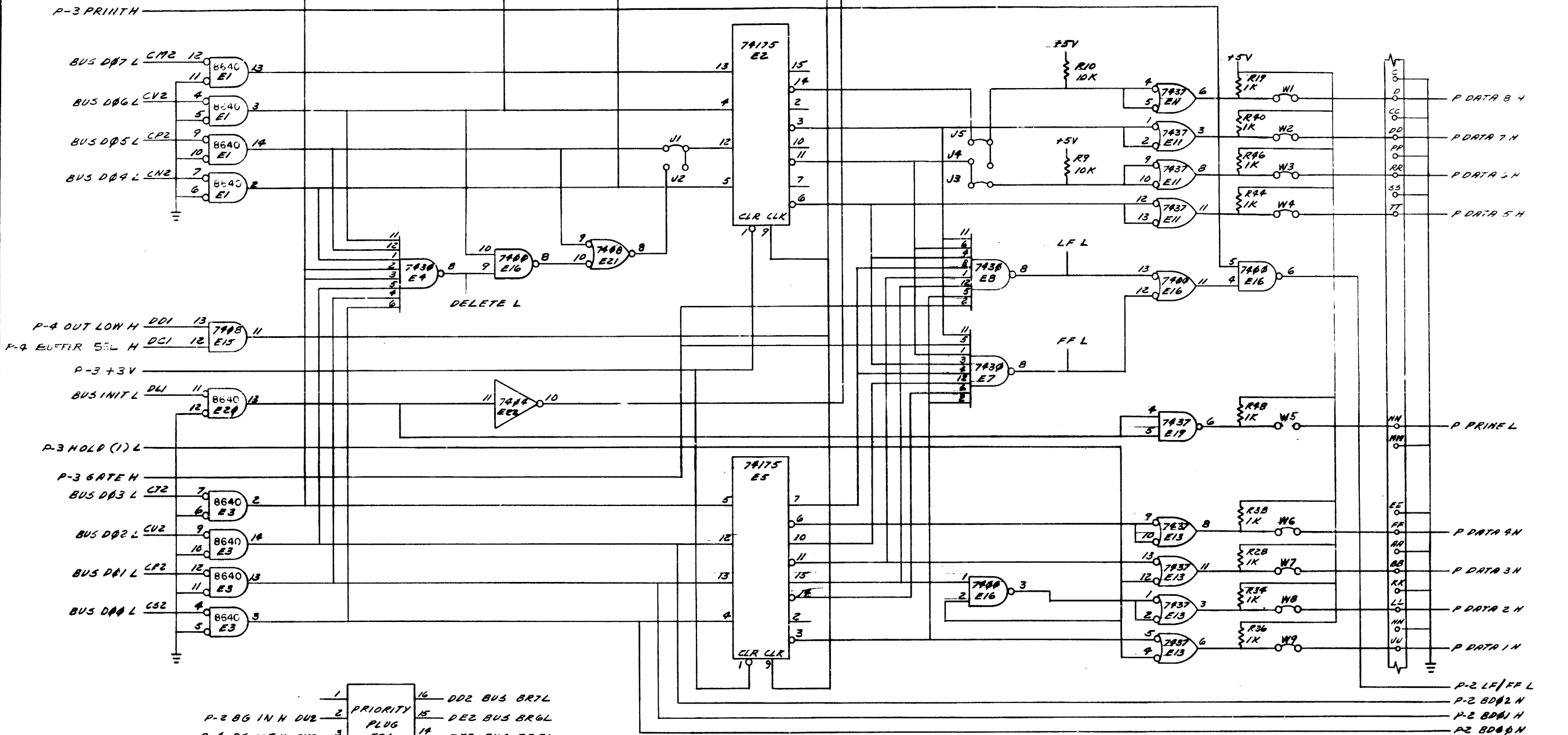
SIZE CODE: DCS M7258-0  
 NUMBER: P-1  
 REV: 1

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A B C D

N



1	PRIORITY PLUG E26	16	DD2 BUS BR7L
2		15	DE2 BUS BR6L
3		14	DF2 BUS BR5L
4		13	DH2 BUS BR4L
5		12	DV2 P-4 BUS REQUEST L
6		11	DK2 BUS B67 IN H
7		10	DL2 BUS B67 OUT H
8		9	DN2 BUS B66 IN H

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP11		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XXX - .008	±0° 30'	PRINTER INTERFACE (DATA REGISTER)		
.XX - .02		REV. N		
.X - .1		SIZE CODE NUMBER		
MATERIAL		NEXT HIGHER ASSY.		SCALE
FINISH		SCALE		SHEET 2 OF 4
DISTRIBUTION		DISTRIBUTION		

REVISIONS  
CHANGE NO. REV. DATE  
1 1 11/21/72  
2 1 11/21/72  
3 1 11/21/72  
4 1 11/21/72  
5 1 11/21/72  
6 1 11/21/72  
7 1 11/21/72  
8 1 11/21/72

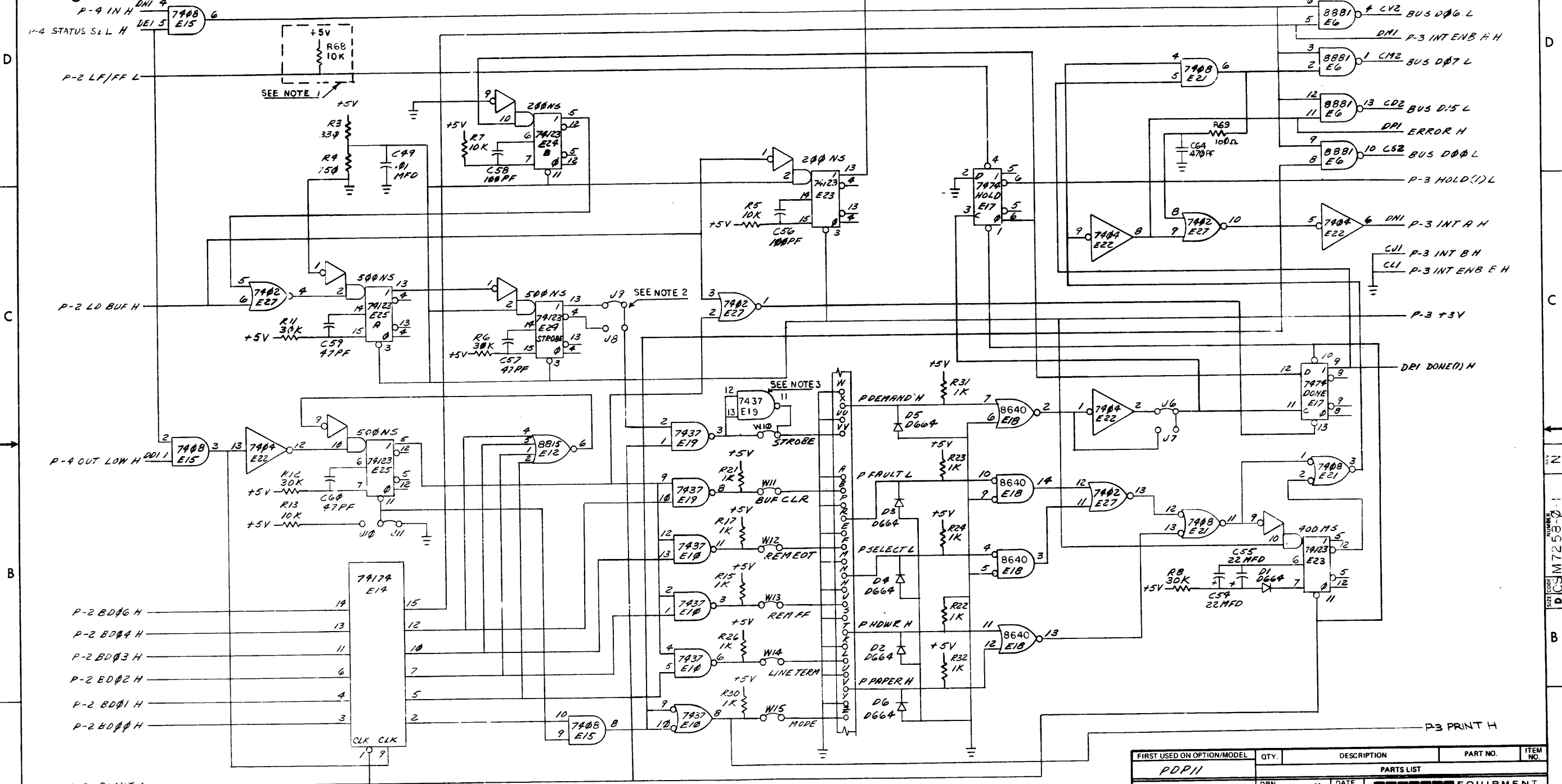
DIGITAL EQUIPMENT CORPORATION  
3RD FLOOR  
7800 HIGHWAY 1  
BOSTON, MASSACHUSETTS 02118

DIGITAL EQUIPMENT CORPORATION  
DCS M7258-0-1

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N 1-0-8921W SCS 2



NOTE:  
 1. CUT ETCH SIDE 1 AT E16-6 ONLY WHEN A LPO5 WITH VFU IS USED. FOR REWORK INSTRUCTIONS FOR R68 & E19 11, 12, 13, SEE ECC M7258-00009.  
 2. J9 ALWAYS IN AND J8 ALWAYS OUT.  
 3. FOR JUMPER SELECTION, W10 TO BE TREATED AS J9 AND A WIRE FROM E19 PIN 11 TO W10 (AS SHOWN ABOVE)

3. (CONT'D) IS TO BE TREATED AS J8. REFER TO JUMPER TABLE ON COVER SHEET FOR JUMPER SELECTIONS.

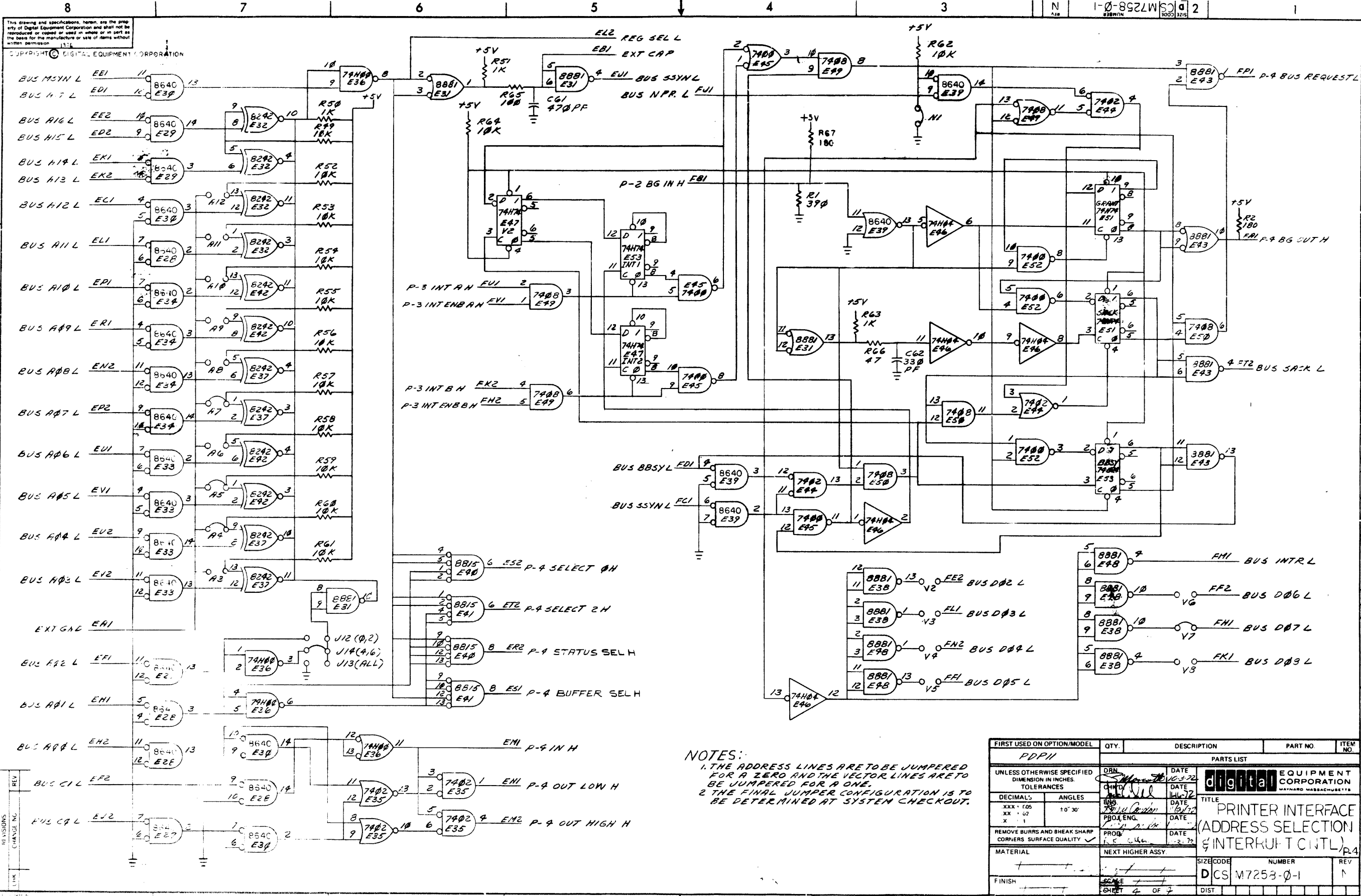
REV	CHG	NO	DATE
1			
2			
3			
4			

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP/11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES:				
DECIMALS	ANGLES	DATE	TITLE	
.xxx - .005	±0° 30'	9-29-72	PRINTER INTERFACE (PRINTER CONTROL)	
.xx - .02		11-16-72	P-3	
x - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	SCALE	SIZE CODE	NUMBER
FINISH	SHEET	OF 4	DCS	M7258-0-1
			DIST.	REV. N

BRUNING 40 522 15840

DEF FORM NO. ORD 102-B

SHEET NO. 1  
 OF 4  
 M7258-0-1



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NOTES:  
 1. THE ADDRESS LINES ARE TO BE JUMPED FOR A ZERO AND THE VECTOR LINES ARE TO BE JUMPED FOR A ONE.  
 2. THE FINAL JUMPER CONFIGURATION IS TO BE DETERMINED AT SYSTEM CHECKOUT.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES	DATE		
XXX + .005	± 0° 30'	10/3/72		
XX + .02		DATE		
X + .1		10/15/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE		
MATERIAL	NEXT HIGHER ASSY.	2/2/72		
FINISH	SCHE	DATE		
	SHEET 4 OF 7	DATE		
TITLE		REV		
PRINTER INTERFACE (ADDRESS SELECTION & INTERLOCK CTRL)		N		
MATERIAL		REV		
D CS M7253-0-1		REV		
DIST		REV		

REV. 10/3/72

REV. 10/15/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72

REV. 2/2/72