

ASSEMBLY
DIAGRAM
FIG. TO 3 P/G.



E	UA	M7C-1.0.0	D
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CHK	CHANGE	NO	REV
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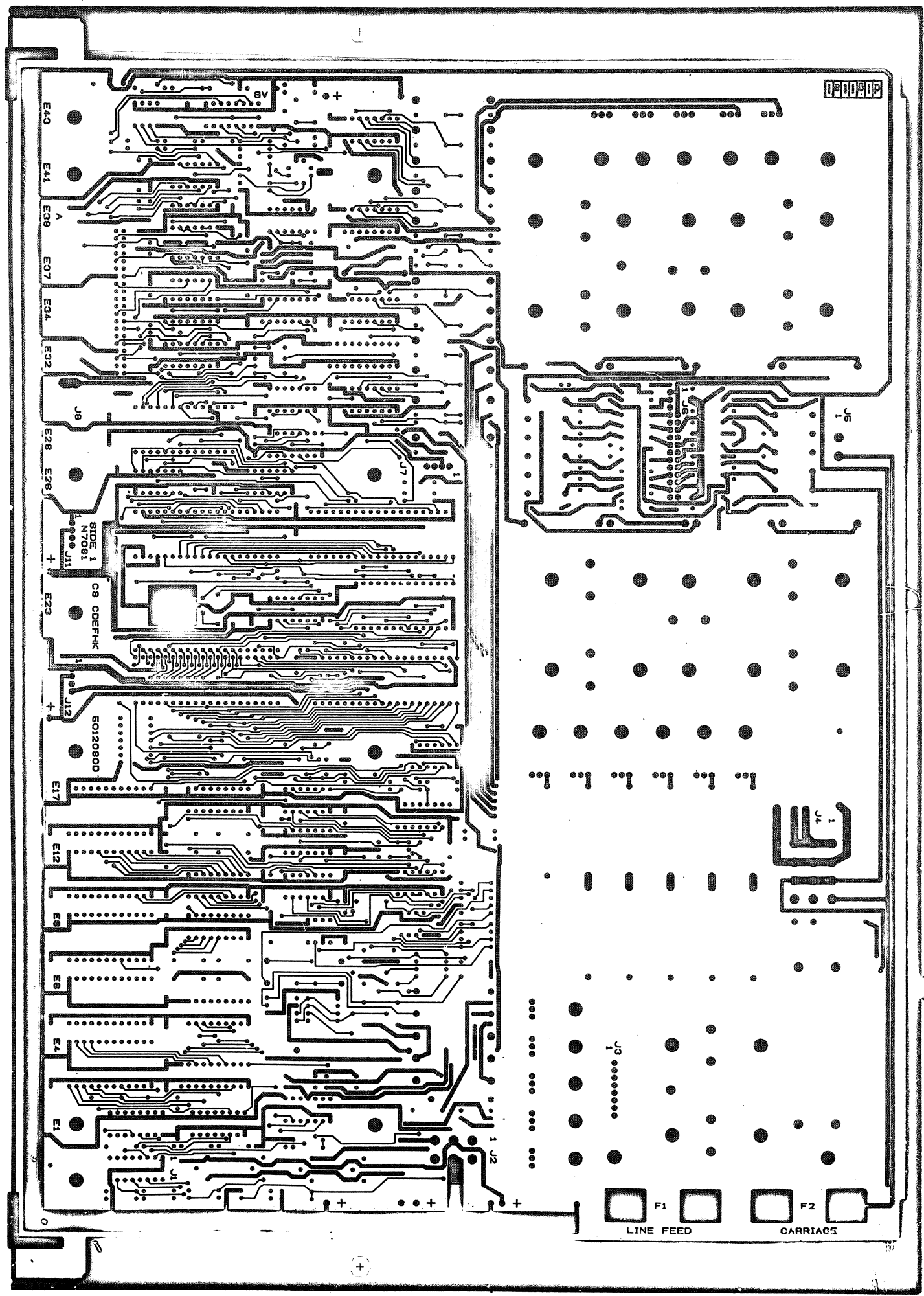
ETCH REV. 0
P.C. DESIGN DATA BASE REV. DL

SIGNATURES	DATE
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CHK'D. <i>[Signature]</i>	<i>[Date]</i>
ENG. <i>[Signature]</i>	<i>[Date]</i>
PROJ. ENG. <i>[Signature]</i>	<i>[Date]</i>
PROD. <i>[Signature]</i>	<i>[Date]</i>
SCALE <i>2 1/2</i>	<i>[Date]</i>
SHT. <i>1</i> OF <i>4</i>	

NEXT HIGHER ASSY. E DO M7081 Q

digital									
TITLE		PRINTER LOGIC \$ POWER BOARD							
SIZE	CODE	NUMBER				RE			
E	UA	M7081 C.O				C			

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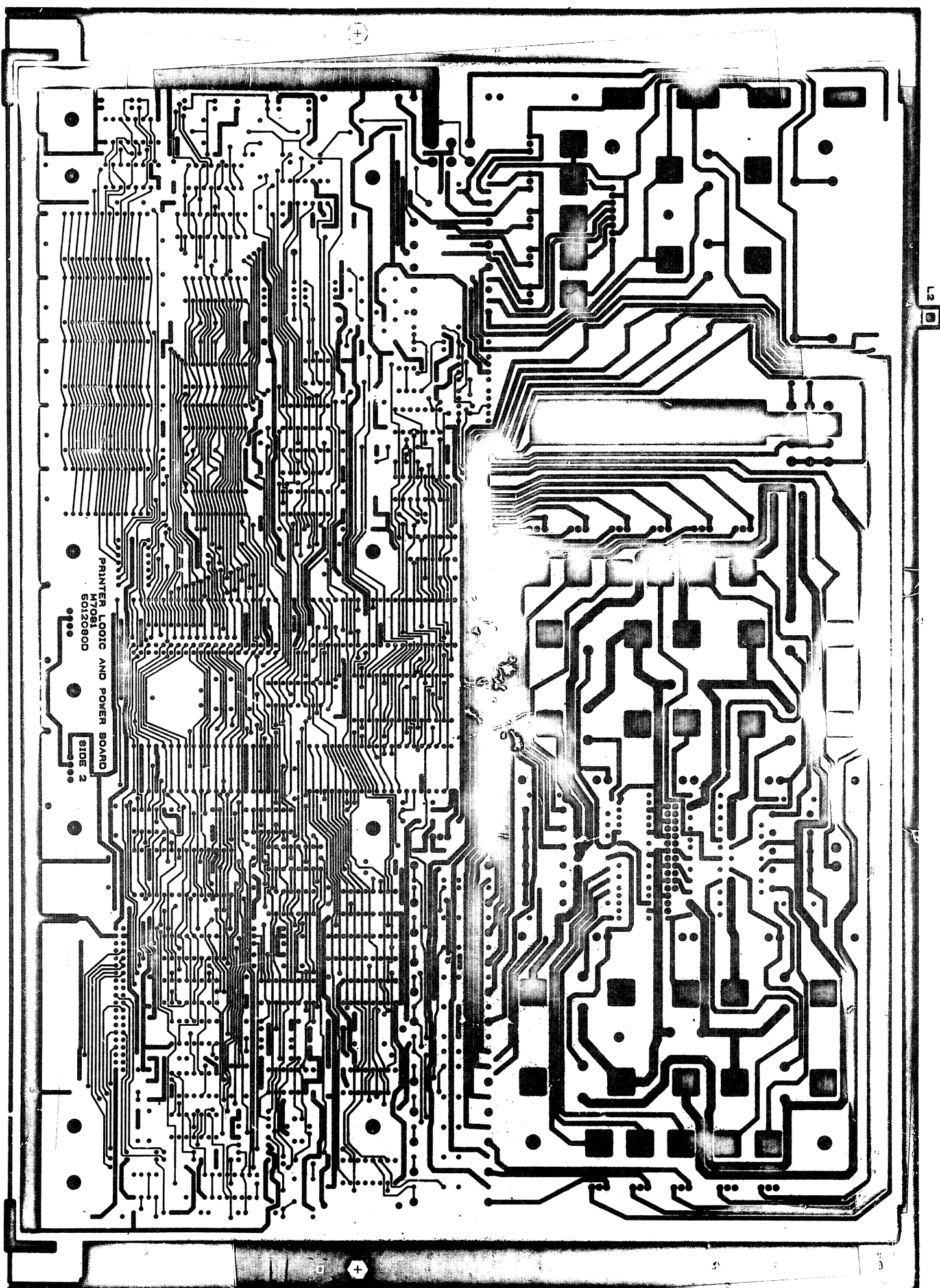
M7081
SO12080D
L1

F1 F2
LINE FEED CARRIAGE

REV.	D	NUMBER	M7081-0-0	SIZE CODE	1/4	SCALE	2/1	SHEET	2 OF 4	TITLE	PRINTER LOGIC A POWER BOARD
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REV.	D	NUMBER	M7081-0-0	SIZE CODE	1/4
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NOTES:
1. THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS TO BE USED FOR OFFICIAL GOVERNMENT PURPOSES ONLY.
2. IT IS TO BE KEPT IN THE ORIGINAL FORM AND NOT REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.
3. IT IS TO BE KEPT IN THE ORIGINAL FORM AND NOT REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



DATE	10/1/78	BY	W. J. H.
REV	1	DATE	10/1/78
REV	2	DATE	10/1/78
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REV	97	DATE	10/1/78
REV	98	DATE	10/1/78
REV	99	DATE	10/1/78
REV	100	DATE	10/1/78

LINE ITEM DOCUMENT NO.

PART NO.

DESCRIPTION

QTY REFERENCE DESIGNATORS

1	1	5012080-00	M7081		1	
2	2	1000038-00	.39 MFD 100V 10% 663F MYLR	(10-00)	1	C54
3	3	1000075-00	25 MFD 25V 5% 30D AL EL	(10-12)	6	C46-C51
4	4	1001610-00	.01 MFD 50V 25U 309CER/8000PF MIN		47	C1-C30,C32-C34,C35,C37-C45,
5	5	1002323-00	.022 MFD 100V 10% 663F MYLR	(10-00)	1	CONT C80-C84
6	6	1002342-00	.1 MFD 100V 10% 663F MYLR	(10-00)	2	C57
7	7	1002423-00	3300.0 MMF 100V 5%200PFM DM19S	(10-00)	2	C56,C58
8	8	1010031-06	.68 MFD 50V 10% M.F.LYCARB	(10-00)	7	C67-C70,C77-C79
9	9	1012784-00	.047 MFD 50V XZ CER, \$		1	C55
10	10	1013466-12	2200.0 MMF 50V 10% CER, \$		2	C52,C53
11	11	1013466-13	39.0 MMF 50V 5% CER		1	C62
12	12	1013466-16	.010 MFD 50V 10% CER		3	C59-C61
13	13	1100114-00	D 664 OS\75PCB PIV= 25V SP		4	C72,C74,C86,C87
14	14	1105796-00	IN 4004 PIV=400 I= 1A D041 SP		3	D2,D5,D8
15	15	1105873-00	.45,121 VZ= 5.1 1% .400M		12	D1,D3,D6,D7,D9,D15-D17,D19,
16	16	1114507-00	IN 4749A VZ= 24.0 \$		2	CONT D24-D26
17	17	1114588-00	NSR8141 PIV=50 I=4A 103		2	D4,D10
18	18	1209941-02	HEADER 100 40POS RT ANGLE \$		1	D20,D27
19	19	1211813-02	SOCKET 16PIN IC LOW PROFILE,GOLD PLATE		1	J8
20	20	1212297-00	MATE-N-LOK 2PIN UNITV HEADER		1	J1
21	21	1212397-05	MATE-N-LOK 6PIN UNITV		1	J5
22	22	1212297-06	MATE-N-LOK 12PIN UNITV		1	J2
23	23	1212385-00	SOCKET 40PIN IC LOW PROFILE,GOLD CONTA		1	J4
24	24	1213477-02	HEADER 16POS		2	J6
25	25	1214886-01	HEADER 40POS VERTICAL \$		1	J9
26	26	1214978-00	CONN 4POS WAFER-POLARIZING + LOCKIN		1	J7
27	27	1214978-01	CONN 8POS WAFER-POLARIZING + LOCKIN		1	J3
28	28	1215006-06	SOCKET 24PIN IC LOW PROFILE		5	

REVISION HISTORY VARIATIONS FOR THIS ASSY.

CHK ECO NO REV

FIRST USED ON: LA120

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

INIT D 00,YA

MADE BY: J. FITZGERALD

TITLE

PARTS LIST

CHECKED: R. HUMMERS

DATE: 28-MAR-78

PRINTER LOGIC AND POWER BOARD

DSN,ENG.: R. LOMICKA

DATE: 11-APR-78

SIZE:CODE: DOCUMENT NUMBER

REV

PROD.: J. JOYCE

DATE: 11-APR-78

K 1 FL 1 MZ081-0-DBP

ID

RESF,ENG.: R. LOMICKA

DATE: 11-APR-78

ASSY,NO.: E-UA-M7081-0-0

EDIT#

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LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
29	29	1300171-00	10 1W 5% CC (13-00)	1	R22
30	30	1300295-00	330 1/4W 5% CC (13-00)	3	R12,R69,R96
31	31	1300316-00	470 1/4W 5% CC (13-00)	3	R15,R162,R163
32	32	1300365-00	1 K 1/4W 5% CC (13-00)	21	R3,R4,R11,R13,R14,R20,R21,R23,
33	33	1300391-00	1.5 K 1/4W 5% CC (13-00)	6	R1,R2,R5,R6,R9,R10
34	34	1300415-00	2.2 K 1/2W 5% CC (13-00)	2	R17,R136
35	35	1300417-00	2.2 K 1/4W 5% CC (13-00)	9	R16,R76,R84-R87,R89,R90,R92
36	36	1300426-00	2.7 K 1/4W 5% CC (13-00)	2	R23,R25
37	37	1300447-00	4.7 K 1/4W 5% CC (13-00)	16	R8,R18,R19,R66,R91,R82,R93,
38	38	1300479-00	10 K 1/4W 5% CC (13-00)	11	R40,R42,R46,R47,R88,R95,R97,
39	39	1301327-00	68 K 1/4W 5% CC (13-00)	2	R50,R41
40	40	1302391-00	20 K 1/4W 5% CC (13-00)	8	R33,R34,R38,R39,R54,R55,R58,
41	41	1303048-00	560 1W 5% CC (13-00)	6	R25,R26,R164-R167
42	42	1304839-00	51 K 1/4W 5% CC (13-00)	1	R174
43	43	1304854-00	5.11 K 1/4W 1% RNESD-F 100PFM CC (13-00)	4	R28,R32,R35,R44
44	44	1305346-00	27 K 1/4W 5% CC (13-00)	4	R72,R74,R100,R137
45	45	1309422-00	5.1 1/4W 5% CC (13-00)	1	R31
46	46	1309595-00	1 M 1/4W 5% CC (13-00)	8	R7,R102,R110,R121,R124,R127,
47	47	1310606-00	75 10W 5% CC (13-00)	2	R130,R133
48	48	1310681-04	150 1/4W 5% FUSIBLE CC (13-00)	2	R138,R139
49	49	1312618-00	16.9 K 1/4W 1% RNESD-F 100PFM CC (13-00)	1	R60
50	50	1312928-00	51 1/4W 5% CC (13-00)	1	R29
51	51	1313844-00	221 K 1/4W 1% RNESD-F 100PFM CC (13-00)	1	R48
52	52	1314515-00	1.5 K 1W 5% CC (13-00)	7	R101,R112,R123,R126,R129,R132,
53	53	1314516-00	200 K 1/4W 5% CC (13-00)	1	R135
54	54	1314547-00	.075 3W 3% CC (13-00)	1	R43
55	55	1314581-00	1.70 5W 1% CC (13-00)	1	R140
56	56	1314988-00	6.65 K 1/4W 1% RNESD-F 100PFM CC (13-00)	7	R141-R146,R149
57	57	1314989-00	11.3 K 1/4W 1% RNESD-F 100PFM CC (13-00)	1	R61
58	58	1314990-00	158 K 1/4W 1% RNESD-F 100PFM CC (13-00)	1	R51
59	59	1510705-00	XA 05 NFN 500MH SI 60-50-F CC (13-00)	1	R45
60	60	1510705-00	XA 55 NFN 500MH SI 60 50 F CC (13-00)	3	R2,R3,R6
61	61	1511282-00	MJ2500 FNF 150WC SI 60.5 1K 5A 1M2 5A DA CC (13-00)	6	R1,R4,R5,R7,R8,R37
62	62	1511349-00	TIF 640 (OR MJ3000) NFN DARLINGTON (COMPL. CC (13-00)	3	R10,R30,R31
63	63	1514508-00	TIF 121 NFN 65W SI 80 1000 8A DARLNGT CC (13-00)	3	R9,R27,R28
64	64	1514509-00	TIF 125 NFN 65W SI 60 500 8A DARLNGT CC (13-00)	11	R12-R16,R19,R32-R36
65	65	1809880-06	XTAL 18.0 MHZ CC (13-00)	1	R11
66	66	1910298-00	741 OP AMP GEN PURP. COMPENSATED D CC (13-00)	1	E10
67	67	1910322-00	DEC 1488L DRIVER,LINE,QUAD,EIA RS-232C CC (13-00)	1	E38
68	68	1910741-00	7406 INVERTER GATE-HEX 1IN,BUFFER,D CC (13-00)	2	E3,E30
PARTS LIST					
DIGITAL EQUIPMENT CORPORATION					
MAYNARD, MASSACHUSETTS					
PRINTER LOGIC AND-POWER BOARD					
K FL M7081-0-DBP					
ID					

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
69		1911469-00	DEC 8440 RECEIVER,BUS,QUAD,UNIBUS,0-BU	1	E26
70		1912697-00	LS174 FF-D HEX W/CLEAR	1	E29
71		1912799-00	LS00 NAND-GATE-QUAD 2IN,POSITIVE	1	E15,E19,E27
72		1912801-00	DEC LS02 NOR GATE-QUAD 2IN	1	E16
73		1912803-00	LS04 INVERTER-GATE-HEX 1IN	1	E14
74		1912816-00	LS32 OR GATE-QUAD 2IN,POSITIVE	1	E21
75		1912846-00	LS155 DECODER,2 OF ACTUAL,1 DEMUX	2	E20,E35
76		1912853-00	DEC LS175 FF-D QUAD	1	E34
77		1913105-00	8224 DRIVER/GEN CLOCK FOR CPU,2 PH	1	E23
78		1913109-00	8228 BUFFER,DATA BASE FOR LOW PWR S	1	E24
79		1913130-00	DEC 1489A RECEIVER,LINE,QUAD,EIA RS-232	2	E37,E41
80		1914156-00	LM 393 VOLT,COMPARATOR DUAL	2	E11,E43
81		1914213-00	81LS97 BUEER GATE-DCTAL 2IN,TRI-STA	1	E5
82		1914519-00	CURRENT REGULATOR CIRCUIT	2	E40,E45
83		1914560-00	LS368 DRIVER,BUS,HEX,TRI-ST	4	E1,E2,E32,E44
84		2113107-01	8251A PUSART-COMM,INTERFACE	1	E28
85		2113108-00	8080A MICROPROCESSOR 8-BIT MOS N-CHA	1	E22
86		2113954-00	DC 305 DRIVER,CPU TO PRINTER	1	E25
87		2114212-01	2114 RAM,1024X4,STATIC 18PIN	4	E9,E18,E7,E13
88		2114524-01	ROM 100X14BIT,ERASABLE,14PIN PLAS	1	E39
89		23003E2-00	E2-01	1	E6
90		23004E2-00	E2-01	1	E8
91		23005E2-00	E2-01	1	E12
92		23006E2-00	E2-01	1	E17
93		23007E2-00	E2-01	1	E4
94		7420248-00	HEAT SINK	1	
95		9008033-01	SCREW,PAN,PHIL, 4-40X 9/16 SS/PA5	26	
96		9006508-00	RIVET, BLIND, .125 DIA X .419 LG	2	
97		9004658-00	WASHER, FLAT, .125 O.D. X .144 I.D. X .062	2	
98		9006721-00	WASHER, SPECIAL INSULATING, #294457	7	
99		9007213-00	FUSE, SLD BLOW, 1.500A, 250V, GLASS	1	F1
100		9007879-00	FUSE, SLD BLOW, 2.500A, 250V, GLASS	1	F2
101		9008268-00	COMPOUND, THERMAL JOINT	4/R	
102		9009185-00	JUMPER, WIRE, INSULATED, BLACK BAND	21	W2-W13,W15,W21-W27,W29
103		9009513-00	CLIP, FUSE WITH STOP, FOR P.C. BOARD	4	
104		9009597-00	INSULATOR, THERMA-FILM	12	
105		9009769-00	WASHER, RECTANGULAR, .405X.225X.060	12	
106		9009990-00	NUT,KEP, 4-40 X1/4 AF	CS 26	
107		9006632-00	WASHER,LOCK,INT.,.2600D X .120ID X .015 THK	14	
108		9105740-00	WIRE(WRAP)30AWG UL1423 (91-00 A/R		
109		1302514-00	39 K 1/4W 5% CC (13-00 1 R169		

110 NOTE: 1: COMPONENTS NOT INSERTED IN THIS VARIATION ARE:
111 NOTE: C31,C33,C36,C63-C66,C71,C73,C75,C76,C88,C89,

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	PARTS LIST PRINTER LOGIC AND POWER BOARD	SIZE CODE	DOCUMENT NUMBER	REV
		K PL	M7081-0-DBP	ID

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
112 NOTE:	J10-J12,R52,R53,R56,R57,R62-R65,R77,R78,R81,				
113 NOTE:	R83,R104-R109,R113-R119,R147,R148,R150-R159,				
114 NOTE:	R172,R173,Q17,Q18,Q20-Q25,E31,E33,E36,E42,				
115 NOTE:	W1,W14,W16-W20,W28,D11-D14,D18,D21-D23,				

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
			PRINTER LOGIC AND POWER BOARD	K	FL	M7081-0-DBP	1D