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LAYER 1

L1 6-27

M7762  
6012167H-P1

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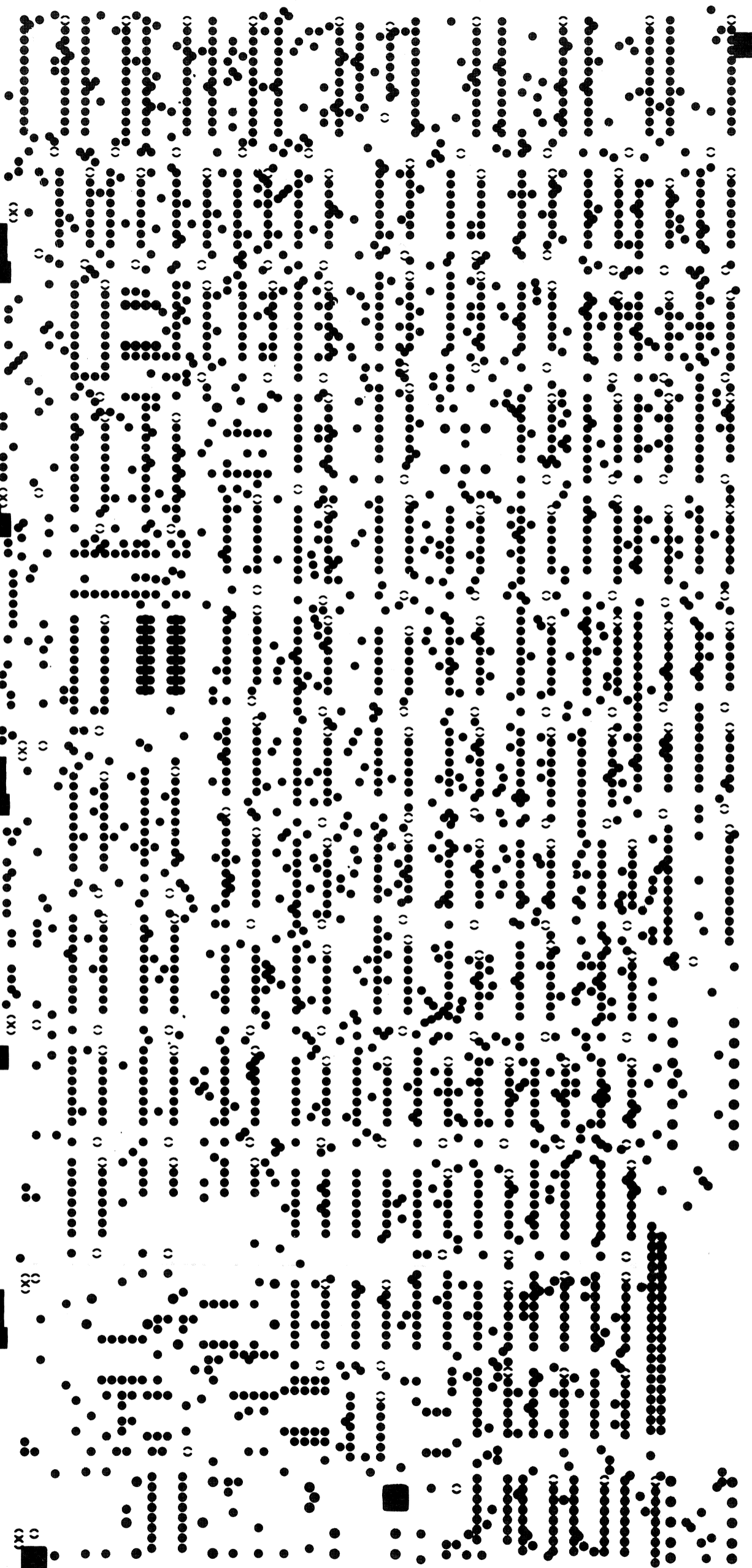
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8 7 6 5 4 3 2 1

LAYER 3

0.1

M 0-C-2946 M D 2



19-783 POSIBAH-BI



A

B

C

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D U A M 7762 - 0 - 0

REVISIONS	
CHK	REV

8	7	6	5	4	3	2	1
TITLE		SCALE		SHEET		OF	
PL 11		2/1		4		6	
CONTROL							
NUMBER		DIST.		REV.			
D U A M 7762 - 0 - 0							



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8 7 6 5 4 3 2 1

RF WORI INSTRUCTIONS:

- WIRE ADDS:
- 6-1.E43-5 TO E102-15
  - 6-2.E42-13 TO E43-10
  - 6-3.E29-6 TO E69-15
  - 6-4.E61-14 TO E44-3
  - 6-5.E55-2 TO E55-15
  - 6-6.E91-3 TO E72-9
  - 6-7.F72-8 TO E99-2
  - 6-8.E99-1 TO E73-11
  - 6-9.E115-1 TO TOP OF R4
  - 6-10.E115-3 TO GROUND SIDE (LEFT) OF C118
  - 6-11.E115-2 TO POSITIVE SIDE (RIGHT) OF C118

- ETCH CUTS:
- 6-12.SIDE 2 AT E115-PIN 2 (ENTER PIN)
  - 6-13.SIDE 1 AT E115-PIN 3 (ENTER PIN)
  - 6-14.SIDE 1 AT E115-PIN 1
  - 6-15.SIDE 1 FROM E99-1 TO E44-1 (AT FEED-THRU ABOVE E99-16)
  - 6-16.SIDE 1 FROM E100-5 TO E99-2 (AT E100-5)
  - 6-17.FOR PROPER INSTALLATION OF E116 REFER TO ORIENTATION TAB AND PINNING CALLOUT ON PAGE ONE OF D11A-M7762-O-O REV K.
  - 6-18.INSTALL E117 WITH ORIENTATION FLAT TOWARD R8. CENTER TERMINAL OF E117 GOES INTO HOLE CLOSEST TO R8.
  - 6-19.SIDE 1 FROM E101-10 TO E46-1 AT E101-10 UNDER CHIP BETWEEN FEED-THRU (NOTE: PERFORM CUT BEFORE ASSEMBLING COMPONENTS TO BOARD).

- WIRE ADDS (CONT):
- 6-20.E11-2 TO E17-5
  - 6-21.E11-1 TO E72-13
  - 6-22.E11-3 TO E101-10
  - 6-23.E11-14 TO PIN 16 OF E11 LOCATION
- SPECIAL INSTRUCTIONS:
- 6-24.INSTALLATION OF E11 MUST BE MADE SO PIN 1 OF IC(74532) IS AT PIN 2 OF E11 LOCATION.
  - 6-25.D14 MUST BE HAND INSERTED DUE TO HOLE SPACING IN BOARD (NOTE ORIENTATION MARK ON D14)

- ETCH CUTS:
- 6-26.SIDE 2 AT E101-4
  - 6-27.SIDE 1 AT E39-11
- WIRE ADDS:
- 6-28.E46-1 TO E39-11
  - 6-29.E46-1 TO E101-4
- ETCH CUTS:
- 8-1.SIDE 1 AT E14-7 BETWEEN E13 & E14
  - 8-2.SIDE 1 AT E14-10 BETWEEN E14 & E6
- WIRE ADDS:
- 8-3.FROM FEED THRU NEAR E13-6 & E13-7 TO E6-7
  - 8-4.E63-6 TO E14-7

REV.	DESCRIPTION	DATE	BY	CHKD	APP'D	REV.	DESCRIPTION	DATE	BY	CHKD	APP'D
1						1					
2						2					
3						3					
4						4					
5						5					
6						6					
7						7					
8						8					

TITLE: RFI CONTROLLER  
 SCALE: 2/1  
 SHEET 6 OF 6  
 SIZE CODE: D11A  
 NUMBER: M7762-O-O  
 REV: M

# DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY DATE	D. MAYUSKI 7 MAR 77	CHECKED DATE	P. BOSSMAN 29 MAR 77	SECTION 1
ENG DATE	C. LIU 8 APR 77	PROD DATE	R. STROTT 8 APR 77	ISSUED SECTION 1

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION	REF DESIGNATION
1	D-CS-M7762-0-1	5012167	CIRCUIT SCHEMATIC	REF	
2	D-UA-M7762-0-0	1001610-00	UNIT ASSEMBLY	REF	
3	D-ID-M7762-0	1005306-00	DRAWING DIRECTORY	REF	
4	D-MD-5012167-0-0	1000042-00	DRILL AND ETCH DRAWING	REF	
5		1004812-00	ETCHED CIRCUIT BOARD	REF	
6		1000010-00	CAP., 01UF, 50V	103	C5, C6, C7, C10-C16, C18-C35, C47-C110, C120, C37-C45, C1, C8, C111-C116, C121
7		11-1411-	CAP., 6.8UF, 35V, 10%	8	C46
8			CAP., 1000PFD, +5%, 100V, DIPPED MICA	1	C117, C118, C119
9			CAP., 15MFD, 20V	3	C9
10			CAP., 39PFD, 100V	1	C9
11			DIODE, 1N4152	1	D14
12			<del>CAP., 220PFD, 100V</del>	±	<del>C3</del>
13			CAP., .033UF, 100V, 10%	1	C4
14			DIODE, 1N4454	4	D1, D2, D6, D9
15			DIODE, 1N751A	2	D5, D13
16		1209838-00	SOCKET, PRIORITY JUMPER, 16 PIN	1	E59
17		1209941-02	CONN., 40 PIN	1	J1
18		1209941-03	CONN., LATCH LEFT	1	
19		1209941-04	CONN., LATCH RIGHT	1	
20		1210711-02	HANDLE, ASSIMBLY	1	E13
21		1300005-05	RES., NETWORK 13-82 RES. 5%	1	R3, R19
22		1309143-09	RES. POT, 3/4W, 5K, 10%	2	R38-R49
23		1301781-00	RES., 82, 1/2W, 5%	12	R16, R20, R53, R60, R61, R52
		1301424-00	RES., 680, 1/2W, 5%	6	

QUANTITY / VARIATION

NOTES:

USED ON: OPTION/MODEL RL11

REF DESIGNATION

NO. OF COPIES	M7762-00001	M7762-00002	M7762-00003	M7762-00004	M7762-00005	M7762-00006	M7762-00007	M7762-00008	M7762-00009
<p style="font-size: small;">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 © 1978 DIGITAL EQUIPMENT CORPORATION</p>									
TITLE					ASSY NO.				
RL11 CONTROLLER					D-UA-M7762-0-0				
SHEET					OF				
1					5				
SIZE			CODE			NUMBER			
B			PL			M7762-0-0			
INSERTION PARTS LIST DATA BASE REV									
REV.									
L									

# DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY D. MATYUSKI 7 MAR 77	CHECKED P. BOSSMAN 29 MAR 77	SECTION 1
ENG C. LIU 8 APR 77	PROD R. STROTT 8 APR 77	ISSUED SECTION 1
DATE	DATE	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION								NOTES:
24		1300295-00	RES., 330, 1/4W, 5%	3								R27, R34, R62
25		1311522-00	RES., 200, 1/4W, 5%	1								R28
26		1311422-00	RES., 178, 1/4W, 1%	4								R54, R55, R58, R59
27		1305125-00	RES., 383, 1/4W, 1%	2								R56, R57
28		1300229-00	RES., 100, 1/4W, 5%	2								R29, R13
29		1300262-00	RES., 180, 1W, 5%	1								R37
30												
31												
32		1 2858-00	RES., 100, 1/4W, 1%	2								R2, R6
33		13-03226-00	RES., 68.1, 1/4W, 1%	1								R1
34		1300274-00	RES., 220, 1/4W, 5%	1								R4
35		1310630-00	RES., 1.33K, 1/4W, 1%	1								R7
36		1302871-00	RES., 1.21K, 1/4W, 1%	1								R10
37		1302685-00	RES., 909, 1/4W, 1%	1								R11
38		<del>1300417-00</del>	<del>RES., 2.2K, 1/4W, 5%</del>	<del>1</del>								<del>R12</del>
39												
40		<del>1301972-00</del>	<del>RES., 270, 1/4W, 5%</del>	<del>1</del>								<del>R13</del>
41		1300411-00	RES., 2K, 1/4W, 1%	2								R17, R63
42												
43		1300365-00	RES., 1K, 1/4W, 5%	1								R33
44												
45												
46		1300447-00	RES., 4.7K, 1/4W, 5%	1								R31
47		1300271-00	RES., 220, 1/4W, 5%	1								R32
48		<del>1302388-00</del>	<del>RES., 2K, 1/4W, 5%</del>	<del>1</del>								<del>R35</del>
49		1302177-00	RES., 47K, 1/4W, 5%	1								R50
50		1302397-00	RES., 180K, 1/4W, 5%	1								R51

NO.	C.O.	TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.
		RL11 CONTROLLER	D-11A-M7762-0-0	B	PL	M7762-0-0	L
			SHEET 2 OF 5	INSERTION PARTS LIST DATA BASE REV			

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 DRB 125

# DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY DATE	D. MAYUSKI 7 MAR 77	CHECKED DATE	P. BOSSMAN 29 MAR 77	SECTION 1
ENG DATE	C. LIU 8 APR 77	PROD DATE	R. STROTT 8 APR 77	ISSUED SECTION 1

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION	REF DESIGNATION
51		1503409-01	TRANS., 2N6534B	1	Q2
52		15-03121-00	TRANS., 2N2369	1	Q3
53		1513490-00	TRANS., 2N4403	4	Q1, Q4, Q5, Q6
54		1614666-00	DELAY LINE, 500 NS 10 TAP	1	E18
55		1610033-00	DELAY LINE, 100 NS 9 TAP	1	E9
56		1611243-00	DELAY LINE, 250 NS 10 TAP	1	E19
57		1614159-00	DELAY LINE, 50 NS 10 TAP	1	E22
58		1811660-1	MOTOROLA OSC., 8.2MHz	1	E35
59					
60		1905547-00	I.C., DEC 7474	1	E67
61		1910153-00	I.C., 74150	1	E109
62		1914072-00	I.C., 74159	1	E47
63		1910650-00	I.C., DEC 74161	4	E98, E99, E104, E110
64		1909061-00	I.C., DEC 74H52	1	E80
65		1910532-00	I.C., DEC 74S00	2	E7, E32
66		1913312-00	I.C., 7428	1	E29
67		1910534-00	I.C., DEC 74S04	4	E20, E27, E30, E43
68		1910536-00	I.C., DEC 74S10	1	E8
69		1911712-00	I.C., 74S51	1	E74
70		1910544-00	I.C., DEC 74S74	6	E21, E31, E66, E53, E56, E28
71		1910545-00	I.C., DEC 74S112	1	E63
72		1911911-00	I.C., DEC 74S124	1	E118
73		1912799-00	I.C., DEC 74LS00	3	E38, E45, E2
74		1912801-00	I.C., DEC 74LS02	2	E46, E81
75		1912803-00	I.C., DEC 74LS04	2	E72, E92
76		1912805-00	I.C., DEC 74LS08	2	E1, E40, E71
77				3	

**NOTES:**

USED ON: OPTION/MOD: RL11

E.C.O. NO.	TITLE RL11 CONTROLLER	ASSY NO. D-UA-M7762-0-0	SIZE <b>B</b>	CODE <b>PL</b>	NUMBER M7762-0-0	REV. L
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# DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY DATE	D. MAYUSKI 7 MAR 77	CHECKED DATE	P. BOSSMAN 29 MAR 77	SECTION 1
ENG DATE	C. LIU 8 APR 77	PROD DATE	R. STROTT 8 APR 77	ISSUED SECTION 1

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION								NOTES:
78		1912808-00	I.C., DEC 74LS11	1								E36
79		1912810-00	I.C., DEC 74LS20	1								E62
80		1912816-00	I.C., DEC 74LS32	3								E42, E52, E91
81		1912820-00	I.C., DEC 74LS51	3								E44, E82, E93
82		1912824-00	I.C., DEC 74LS74	3								E57, E90, E103
83		1912829-00	I.C., DEC 74LS86	1								E83
84		1912834-00	I.C., DEC 74LS112	2								E12, E54
85		1912837-00	I.C., DEC 74LS123	1								E39
86		1911676-00	I.C., DEC 74S139	2								E37, E70
87		1912844-00	I.C., DEC 74LS151	1								E102
88		1912845-00	I.C., DEC 74LS153	2								E23, E65
89		1912697-00	I.C., DEC 74LS174	1								E88
90		1912854-00	I.C., DEC 74LS193	4								E24, E25, E85, E86
91		1912696-00	I.C., DEC 74LS194A	1								E64
92		1912864-00	I.C., 74LS279	1								E73
93		1910268-00	I.C., DEC 75107B	3								E3, E4, E10
94		1911341-00	I.C., DEC 75113	3								E5, E6, E14
95		1911527-00	I.C., DEC 8097	3								E61, E87, E89
96		1912951-00	I.C., 8556	9								E50, E51, E60, E68, E78, E94-E97
97		1911579-00	I.C., DEC 8641	3								E15, E26, E69
98		1912083-00	I.C., DEC 8647	2								F41, E79
99		1909713-00	I.C., DEC 8815	1								E100
100		1913474-00	I.C., 9401	1								E75
101		1913475-00	I.C., 9403	4								E105-E108
102		1913040-00	I.C., DC005	8								E33, E34, E49, E48, E58, E76, E77, E84
103		23-018B8	I.C., 82S114	1								E112
104		23-016B8	I.C., 82S114	1								E113

USED ON: OPTION/MODEL RL11

REF DESIGNATION

C.O. NO.	TITLE RL11 CONTROLLER	ASSY NO. D-UA-M7762-0-0	SIZE B	CODE PL	NUMBER M7762-0-0	REV. L
"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 © 1978, DIGITAL EQUIPMENT CORPORATION"		SHEET 4 OF 5		INSERTION PARTS LIST DATA BASE REV		

# DIGITAL EQUIPMENT CORPORATION PARTS LIST

MADE BY D. MAYUSKI 7 MAR 77	CHECKED P. BOSSMAN 29 MAR 77	SECTION 1	
ENG C. LIU 8 APR 77	PROD R. STROTT 8 APR 77	ISSUED SECTION 1	
DATE	DATE		

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION	NOTES:
105		23-017B8	I.C., 82S114	1	E114
106		23-020D1	I.C., 82S115	1	E111
107		9000024-01	EYELET	12	
108		12-10385-01	PIN, 1 POS GOLD WIRE WRAP	19	W17-W35
109		9009185-00	JUMPER, INSULATED	12	W1-W8, W12, W14, W15, W16
110		1910544-01	I.C., 74S74-60	1	E101
111		<del>9008085-00</del>	<del>TRANSISTOR, TORRENT</del>	±	<del>E101</del>
112		9105740-55	WIRE, #30 AWG, GRN	A/R	
113		1302862-00	RES., 50Ω, 1/4W, 1%	1	R36
114		13-13583-00	RES., 150Ω, 1/4W, 1%	1	R65
115		1912536-00	REGULATOR, +5V, 7805	1	E115
116		1000064-00	CAP., 3.9MFD, 10V, 10%	1	C36
117		1912541-00	REGULATOR, -5V	1	E116
118		1914471-00	REGULATOR, +8V, 71281	1	E117
119					
120		1311465-00	RES., 43Ω, 1/4W, 5%	1	R64
121		19-10645-00	I.C., DEC 75452	2	E16, E17
122		1302873-00	RES., 261Ω, 1/4W, 1%	1	R9
123		1302874-00	RES., 147Ω, 1/4W, 1%	2	R14, R26
124		1912834-00	I.C., DEC 74LS112	1	E55
125		10-12783-00	CAP., .022MFD, 50V	1	C122
126		13-03177-00	RES., 2.4K, 1/4W, 5%	1	R8
127		13-00316-00	RES., 470Ω, 1/4W, 5%	1	R18
128		90-06021-01	SCR, Ph1 Pan Hd #6-32 x 5/16	1	For mounting E115
129		90-08185-00	KEPNUT #6	1	
130		19-13340-00	I.C., DEC 74S32	1	E11
131		9107295-11	SLEEVING	A/R	
132		90-07201-00	TRANSIPAD	1	

E.C.O. NO.	TITLE RL11 CONTROLLER	ASSY NO. D-UA-M7762-0-0	SIZE B	CODE PL	NUMBER M7762-0-0	REV. L
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DRB 128

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USED ON: OPTION/MODEL RL11

REF DESIGNATION