



LA180

Engineering Drawings

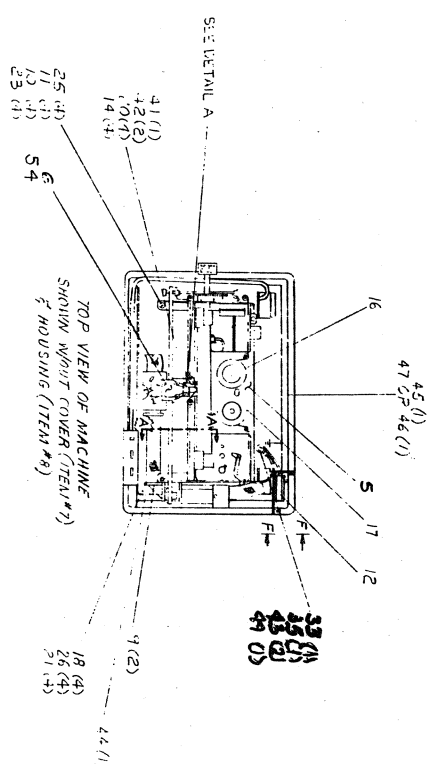
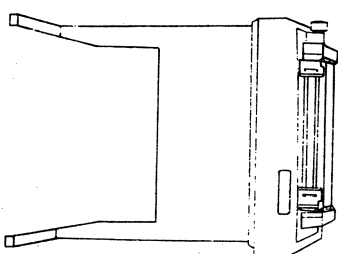
Digital Equipment Corporation

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

35.25

40MM DIA.
HOIST SIDE UP

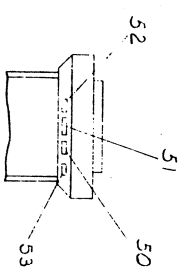
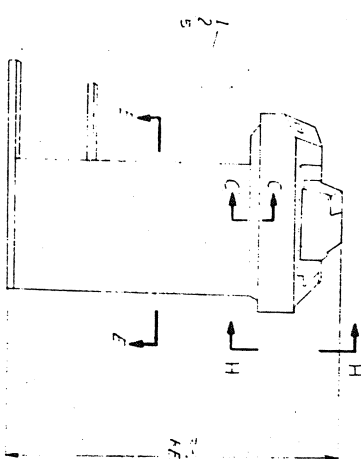


Technical drawing of a mechanical part, likely a valve or fitting. The drawing shows a cross-section of the part with various dimensions and labels. The labels include:

- 14 REF
- 20 REF
- 14 REF
- 20 REF
- 12 REF
- 14 REF
- 20 REF
- 12 REF

The drawing also includes a small detail view of a threaded section on the right side.

DETAILS
PRINT HEAD AND LINE INDICATOR
CAME FULL



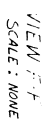
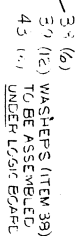
VIEW H-H
SCALE: NONE
SEE NOTE 3

1	LAIBO-PN077	M
2	J. BITTO	
3	LAIBO-PN087	L
4	J. BITTO	
5	LAIBO-PN075	K
6	J. BITTO	
7	LAIBO-PN076	J
8	J. BITTO	
9	LAIBO-PN087	E
10	J. BITTO	
11	LAIBO-PN087	D
12	J. BITTO	
13	LAIBO-PN087	C
14	J. BITTO	
15	LAIBO-PN087	B
16	J. BITTO	
17	LAIBO-PN087	A
18	J. BITTO	
19	LAIBO-PN087	A
20	J. BITTO	
21	LAIBO-PN087	A
22	J. BITTO	
23	LAIBO-PN087	A
24	J. BITTO	
25	LAIBO-PN087	A
26	J. BITTO	
27	LAIBO-PN087	A
28	J. BITTO	
29	LAIBO-PN087	A
30	J. BITTO	
31	LAIBO-PN087	A
32	J. BITTO	
33	LAIBO-PN087	A
34	J. BITTO	
35	LAIBO-PN087	A
36	J. BITTO	
37	LAIBO-PN087	A
38	J. BITTO	
39	LAIBO-PN087	A
40	J. BITTO	
41	LAIBO-PN087	A
42	J. BITTO	
43	LAIBO-PN087	A
44	J. BITTO	
45	LAIBO-PN087	A
46	J. BITTO	
47	LAIBO-PN087	A
48	J. BITTO	
49	LAIBO-PN087	A
50	J. BITTO	
51	LAIBO-PN087	A
52	J. BITTO	
53	LAIBO-PN087	A
54	J. BITTO	
55	LAIBO-PN087	A
56	J. BITTO	
57	LAIBO-PN087	A
58	J. BITTO	
59	LAIBO-PN087	A
60	J. BITTO	
61	LAIBO-PN087	A
62	J. BITTO	
63	LAIBO-PN087	A
64	J. BITTO	
65	LAIBO-PN087	A
66	J. BITTO	
67	LAIBO-PN087	A
68	J. BITTO	
69	LAIBO-PN087	A
70	J. BITTO	
71	LAIBO-PN087	A
72	J. BITTO	
73	LAIBO-PN087	A
74	J. BITTO	
75	LAIBO-PN087	A
76	J. BITTO	
77	LAIBO-PN087	A
78	J. BITTO	
79	LAIBO-PN087	A
80	J. BITTO	
81	LAIBO-PN087	A
82	J. BITTO	
83	LAIBO-PN087	A
84	J. BITTO	
85	LAIBO-PN087	A
86	J. BITTO	
87	LAIBO-PN087	A
88	J. BITTO	
89	LAIBO-PN087	A
90	J. BITTO	
91	LAIBO-PN087	A
92	J. BITTO	
93	LAIBO-PN087	A
94	J. BITTO	
95	LAIBO-PN087	A
96	J. BITTO	
97	LAIBO-PN087	A
98	J. BITTO	
99	LAIBO-PN087	A
100	J. BITTO	

[illegible]

NOTES

1. FOR RENTS LIST SEE DRAWING
"A-C-1-107-B"
2. STAIRS TO BE QUOTE IN LOT CLAMP. "33' x 3"
STAIRS TO BE LEANED AGAINST "35' x 2' PLANT"
WASHER AND TO CONSIDERABLE RENT TO BE
SHARED LOSE WITH SUITE.
3. U. AND CSM CABLES TO BE APPLIED ONLY
WHEN JUST HAS MET ALL UPLAND CABLE
REQUIREMENTS.

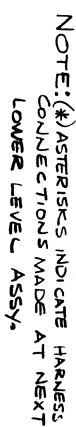


TITLE		LA180 UNIT ASSY										SIZCODE		NUM SER		REV.	
												EUA		LA180-Ø-Ø		M	
SCALE		SHEET 2		OF 3		DST.											
2												1					

9



WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TERM	TO	TEAM	REMARKS
5	GR	MT-12-P2		PB-15		
6	GR	CH-P7		FC-14		
62	GR	CH-56-1		SG-1		TOF
62	GR	CH-56-2		SG-3		SET
5	GR	MTB1-P3		CH-P6		
5	GR	CH-B1		PH-16		
5	GR	MTB1-P1		PB-14		
5	GR	MTB1-ASH-GND		CONNET GND		
31	GR	PB-65-1	29	LB-3V		SECURITY
1	GR	PB-510	OR	LB-GND		
1	GR	CH-P1		LB-12		
32	GR	CH-P5	30	LB-31		
32	GR	CH-P1		LB-13		
62	GR	CH-57-1		57-1		INTER
62	GR	CH-57-2		57-3		LOCK
62	GR	CH-57-2		57-2		P.O.
62	GR	CH-59-2		59-2		



DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST

MADE BY E. TAYLOR	CHECKED DATE 6-17-75	SECTION 1
DATE 10/4/74	PROD R. J. Jordan	ISSUED SECT. 1
ENG DATE 6-17-75	DATE 6/18/75	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
1	E-AD-7010094-1-0	CABINET ASSY W/POWER SUPPLY(115V) 60HZ	1	-	-	-	-	-	-	-	-	-	-	-
2	E-AD-7010094-2-0	CABINET ASSY W/POWER SUPPLY(230V) 60HZ	-	1	-	-	-	-	-	-	-	-	-	-
3	E-AD-7010094-3-0	CABINET ASSY W/POWER SUPPLY(115V) 50HZ	-	-	1	-	-	-	-	-	-	-	-	-
4	E-AD-7010094-4-0	CABINET ASSY W/POWER SUPPLY(230V) 50HZ	-	-	-	1	-	-	-	-	-	-	-	-
5	E-AD-7010091-0-0	PRINTER MECHANISM ASSY	1	1	1	1	1	1	1	1	1	1	1	1
6	D-AD-7009882-0-0	PRINT HEAD ASSY	1	1	1	1	1	1	1	1	1	1	1	1
7	D-IA-7010758-0-0	COVER ASSY	1	1	1	1	1	1	1	1	1	1	1	1
8	E-IA-7010757-0-0	HOUSING ASSY	1	1	1	1	1	1	1	1	1	1	1	1
9	1202704-00	CLAMP, CABLE	2	2	2	2	2	2	2	2	2	2	2	2
10	9008896-00	WELNUT #10-32	7	7	7	7	7	7	7	7	7	7	7	7
11	9007906-00	WASHER, SPLIT LOCK, #10	4	4	4	4	4	4	4	4	4	4	4	4
12	C-AD-7010756-0-0	FAN ASSY 115V, MOTOR	1	1	1	1	1	1	1	1	1	1	1	1
13	9007649-00	WASHER, EXT TOOTH LOCK, #6	1	1	1	1	1	1	1	1	1	1	1	1
14	9006633-00	WASHER, INTERNAL TOOTH LOCK #6	4	4	4	4	4	4	4	4	4	4	4	4
15	A-MD-7412103-0-0	PKG. OF PAPER (100 SHEETS)	1	1	1	1	1	1	1	1	1	1	1	1
16	3612153-00	RIBBON SPOOL W/RIBBON	1	1	1	1	1	1	1	1	1	1	1	1
17	1212008-00	RIBBON SPOOL (EMPTY)	1	1	1	1	1	1	1	1	1	1	1	1
18	9006011-1	SCREW, PHL, PAN HD, #4-40 x .38L	4	4	4	4	4	4	4	4	4	4	4	4
19	9006077-1	SCREW, PHL, PAN HD, #6-32 x .38L	1	1	1	1	1	1	1	1	1	1	1	1
20	9007793-1	SCREW, PHL, PAN HD, #6-32 x .56L	4	4	4	4	4	4	4	4	4	4	4	4
21	9006557-00	NUT, KEPS, #4-40	4	4	4	4	4	4	4	4	4	4	4	4
22	9009630-01	SCREW, PHL, PAN HD, #6-18 x .50, SELF TH	11	11	11	11	11	11	11	11	11	11	11	11

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
LA180 UNIT ASSY	E-UA-LA180-0-0	A	PL	LA180-0-0	M	LA180-0-0- PNC37
	SHEET 1 OF 3	DIST.				

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST

MADE BY DICK VENO		CHECKED	SECTION
DATE 3/25/74	DATE 6-17-75	DATE 6-17-75	1
ENG	PROD R. J. GARDNER	ISSUED SECT.	1
DATE 6-17-75	DATE 6/18/75		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
23	9006664-00	WASHER, FLAT, #10	7	7	7	7	7	7	7	7	7	7	7	7
24	9007801-00	WASHER, SPLIT LOCK, #6	1	1	1	1								
25	9008955-1	SCREW, PHL PAN HD, #10-32 x .94L	7	7	7	7	7	7	7	7	7	7	7	7
26	9006658-00	WASHER, FLAT, #4	4	4	4	4	4	4	4	4	4	4	4	4
27	9006653-00	WASHER, FLAT, #6	15	15	15	15	15	15	15	15	15	15	15	15
28	C-PS-3612451-0-0	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
29	D-CS-5411023-0-1	LOGIC BOARD LA180	1	1	1	1	1	1	1	1	1	1	1	1
30	D-CS-5411023-YA-1	LOGIC BOARD LA180 C/C												
31	D-IA-7011469-0-0	C/C INTERFACE CABLE ASSY												
32	C-MD-7413216-0-0	PLATE, INPUT CLAMP	1	1	1	1	1	1	1	1	1	1	1	1
33	9006037-1	SCR PHL PAN HD 8-32 x .38	3	3	3	3	3	3	3	3	3	3	3	3
34	9006690-00	WASHER SPLIT LOCK #8	2	2	2	2	2	2	2	2	2	2	2	2
35	9006660-00	WASHER FLAT #8	4	4	4	4	4	4	4	4	4	4	4	4
36	9008509-00	STRAIN RELIEF	1	1	1	1	1	1	1	1	1	1	1	1
37	A-SP-3700131-0-0	PACKAGING INSTRUCTIONS	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
38	9008208-1	SCR, PAN HD, NYLON 8-32 x .50	6	6	6	6	6	6	6	6	6	6	6	6
39	9006708	WASHER NYLON .37 O.D x .19 I.D x .032 THK	12	12	12	12	12	12	12	12	12	12	12	12
40	A-DC-7416178-0-0	DECAL, LA180	1	1	1	1	1	1	1	1	1	1	1	1
41	C-MD-7414953-0-0	LINE INDICATOR	1	1	1	1	1	1	1	1	1	1	1	1
42	9006656	WASHER, FLAT	2	2	2	2	2	2	2	2	2	2	2	2
43	9008072-00	EXTERNAL TOOTH LOCKWASHER #8	8	8	8	8	8	8	8	8	8	8	8	8
44	3612680-00	DECAL, GROUND SYMBOL	2	2	2	2	2	2	2	2	2	2	2	2

TITLE LA180 UNIT ASSY		ASSY NO. E-UA-LA180-0-0	SIZE CODE A PL	NUMBER LA180-0-0		REV M	ECO NO.
		SHEET 2 OF 3	DIST.				

MAYNARD, MASSACHUSETTS PARTS LIST

CHECKED STELTZER

SECTION

DATE 6-17-75

100

PROD R.L. JODDIN

ISSUED SECT.

DATE 6-18-75

100

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY L. TAYLOR		CHECKED STELTZER		SECTION					
DATE 10-4-74		DATE 6-17-75		PROD R.L. JODOIN		ISSUED SECT. 1			
ENG STELTZER		DATE 6-18-75							
DATE 6-17-75									
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION							
45	A-DC-7414832-0-1	SERIAL NUMBER DECAL LA180							
46	7413231-0-0	UNDERWRITERS LABEL 115V							
47	7413231-1-0	UNDERWRITERS LABEL 230V							
48	LAXX-NX	SERIAL OPTION PKG (2ØMA)							
49	LAXX-NW	SERIAL OPTION PKG (EIA)							
50	A-DC-7416197-0-1	UNDERWRITERS LABEL							
51	A-PS-3613210-00	SERIAL NO. TAG							
52	A-PS-3613211-00	CSA DECAL							
53	A-PS-3613088-00	LABEL, ADHESIVE BACKED RFI SUPPRESSION							
54	E-PS-1213365-02	HEAT SHIELD							
		</							

DEC FORM DEC 16-(325)-1031-N870
DRA 110

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF THE UNITED STATES GOVERNMENT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE UNITED STATES GOVERNMENT.

NOTES:

SEE DETAIL A

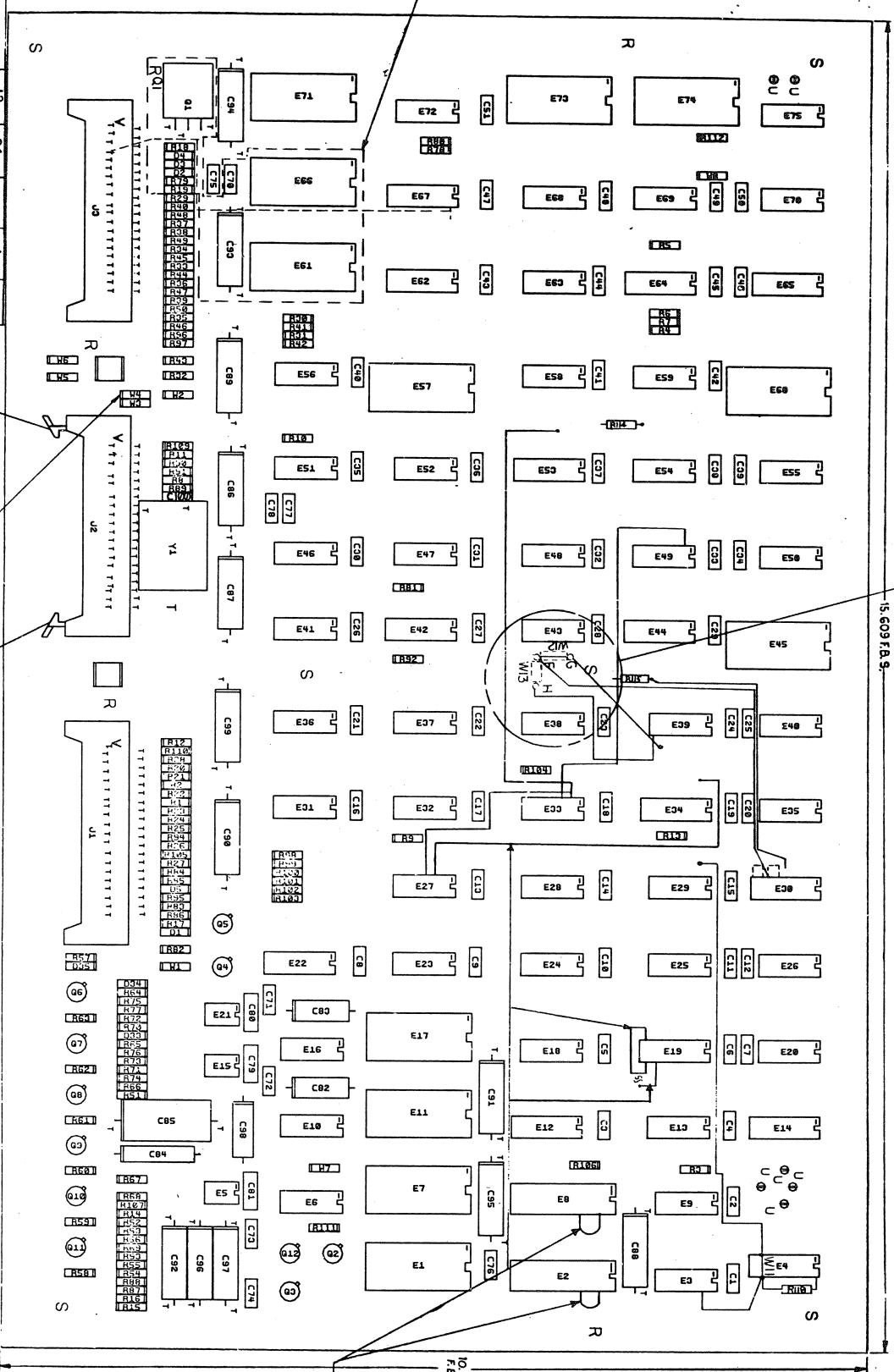
NOTE: 1. W2-W7 ARE NOT INSERTED

2. JUMPER WIRES ADDED - 8 PLACES

E2-18 TO E2-19
E3-18 TO E3-19

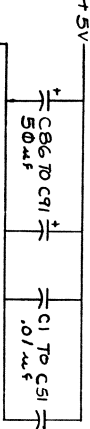
3. COMPONENTS WITHIN OUTLINE WERE USED ONLY WHEN PROVS WERE USED ON SERIAL #11303 AND EARLIER.

4. W4 NECESSARY FOR 591 NS CR 1200 2AUD CLOCK TO J3.



2C17F	12	24	1
74175	8	16	
74161	8	16	
74123	8	16	
7489	8	16	
74150	12	24	
74190	8	16	
7442	8	16	
74193	8	16	
74154	12	24	
2101-2	8	22	
8640	1	8	
74934	10	5	
1702A	12	23	
LM301A	7	4	
2627	12	24	
2626	12	24	
IC TYPE	GND	+5V	+12V -12V -9V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT WHERE STATED ABOVE			
IC PIN LOCATIONS			

88 TYP 3PLACES
89 TYP 3PLACES



DETAIL A
SCALE: NONE

J. BITTO 31 JAN 77	
5411023-00011 S	
J. BITTO 5 APR 76	
5411023-00010 R	
J. BITTO 4/24/76	
A. WILLIAMS	
H. DENNORE 6-10-76	
5411023-00009 P	
J. BITTO 4/24/76	
A. WILLIAMS	
J. BITTO 2 APR 76	
5411023-00008 N	
J. BITTO 3/11/76	
A. WILLIAMS	
J. BITTO 2 APR 76	
5411023-00007 M	
J. BITTO 3/11/76	
A. WILLIAMS	
J. BITTO 13 FEB 76	
5411023-00006 L	
J. BITTO 13 FEB 76	
A. WILLIAMS	
H. DENNORE 5 JAN 76	
5411023-00005 K	
J. BITTO 11/18/75	
A. WILLIAMS	
J. BITTO 11/18/75	
5411023-00004 J	
A. WILLIAMS	
J. BITTO 27 OCT 75	
5411023-00003 H	
V. VERDEKIAN R. 21-75	
A. WILLIAMS	
John Carter B.B. 75	
5411023-00002 F	
V. VERDEKIAN	
H. DENNORE 25-15-75	
5411023-00001 E	
CHK	CHANGE NO. REV.
REVISIONS	
DEC NO.	EA NO.
SEMICONDUCTOR CONVERSION CHART	
QTY	REF. DESIGNATION
FIRST USED ON OPTION MODEL	
LA180	
ETCH BOARD REV. E	
PARTS LIST	
QTY	DESCRIPTION
PART NO.	
ITEM NO.	
TITLE	
LA180	
LOGIC BOARD	
SIZE CODE	
DCS 5411023-0-1	
REV. RS	

THIS DRAWING AND SPECIFICATION, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.

8.

7

6

5

4

3

2

1

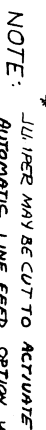
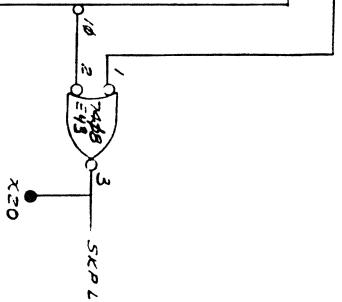
PARTS LIST

QTY	REF	DESCRIPTION	PART NO	REV
REF		X-Y COORDINATE HOLE LOCATION	KCO 541023-0-4	1
REF		ASSY/DEBILING HOLE LAYOUT	144-541023-0-5	2
REF		MODULE ECO H/STOREY	B-WH-541023-0-6	3
1	C79, C80, C81, C100	ETCHED CIRCUIT BOARD	5011022-00	4
4	CAP 39pF 100V 5%		1000010-00	5
1	C85	CAP .68uF 50V 10%	1010031-06	6
2	C82, C83	CAP .047uF 100V 10%	1000051-00	7
6	C92, C94-97, C99	CAP .25uF 25V 10%	1000075-00	8
57	C1-C57, C71-C76	CAP .01uF 50V	1001610-00	9
1	C94	CAP .1uF 100V 10%	1002342-00	10
2	C77, C78	CAP .005uF 100V 20%	1001765-00	11
6	C86-C91	CAP 50uF 25V 10%	1001796-00	12
2	D1, D35	DIODE D664	1100114-00	13
2	D33, D34	DIODE IN7484 3.9V 5%	1100122-00	14
2	D1, D2	DIODE 97131-2E1	1100123-00	15
1	D5	DIODE D662	1100115-00	16
3	D7, D2, D3	DIODE 40 PIN	1209941-02	17
2	E1, E7, E10	SOCKET IC .24 PIN	1210693-00	18
1	E86	RES 5K 1/4W 5%	1309422-00	19
15	R30-R39, R42, R43, R46, R47	RES 150 1/4W 5%	1302250-00	20
3	E78, E80, E82	RES 100 1/4W 5%	1300229-00	21
1	E57	RES 820 1/4W 5%	1301775-00	22
3	E53, E70, E71	RES 180 1/4W 5%	1301322-00	23
1	E83	RES 560 1/4W 5%	1301890-00	24
15	R40-R50, R53, R57, R100, R115	RES 330 1/4W 5%	1300295-00	25
2	E84, E85	RES 470 1/4W 5%	1300316-00	26
25	E1-E7, E13-E17, R27, R28, R36, R34, R105, R106, R111, R112, R118	RES 1K 1/4W 5%	1300365-00	27
1	E87	RES 1.5K 1/4W 5%	1300391-00	28
5	E81, E88, E90-E92	RES 56K 1/4W 5%	1301874-00	29
2	E55, E56	RES 1K 1/4W 1%	1302748-00	30
1	E51	RES 47K 1/4W 5%	1302177-00	31
1	E61	RES 11.5K 1/4W 1%	1302860-00	32
2	E72, E73	RES 820K 1/4W 10%	1301387-00	33
2	R62, R63	RES 2.61K 1/4W 1%	1303303-00	34
2	E76, E77	RES 5.11K 1/4W 1%	1304854-00	35
2	E74, E75	RES 619 1/4W 1%	1305126-00	36
1	R56	RES 31.6K 1/4W 1%	1305419-00	37
2	E52, E54	RES 232K 1/4W 1%	1305424-00	38
6	E64, E69	RES 2K 1/4W 5%	1302388-00	39
1	E60	RES 16.9K 1/4W 1%	1312618-00	40
1	E59	RES 24.3K 1/4W 1%	1309418-00	41
2	Q2, Q3	TRANS 6534D PNP	1503409-00	42
9	Q4-Q7	TRANS MP5A05 NPN	1510705-00	43
2	Q1	TRANS MP5A05 PNP	1510598-00	44
1	Y1	CRYSTAL 1.6896 MHz	1811689-00	45
11	E18, E20, E23, E25, E26, E27, E35, E50, E51, E54, E55	IC 7474	1905547-00	46
4	E24, E48, E49, E52	IC 7400	1905575-00	48
1	E28	IC 7410	1905576-00	49
1	E70	IC 7420	1905577-00	50
1	E67	IC 7401	1905590-00	51
2	E37, E40	IC 7493A	1909054-00	52

PARTS LIST

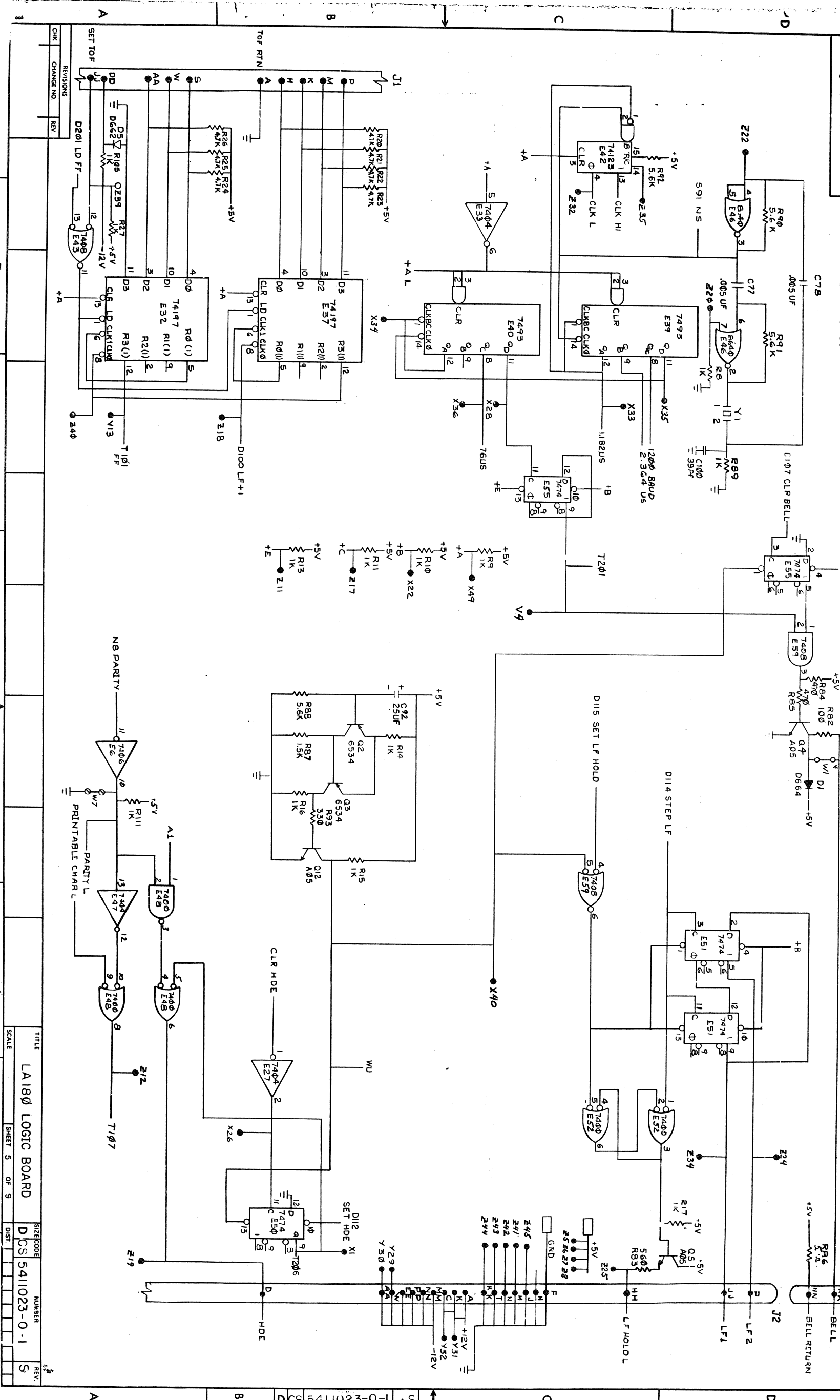
QTY	REF	DESCRIPTION	PART NO	REV
3	E36, E41, E46	IC 8640	1911469-00	53
6	E3, E33, E37, E72, E75, E27	IC 7404	1909686-00	54
3	E45, E40, E73	IC 74154	1909701-00	55
1	E16	IC 7413	1909989-00	56
5	E12, E19, E62, E64, E67	IC 74193	1910018-00	57
1	E53	IC 7442	1910046-00	58
1	E19	IC 74190	1910095-00	59
2	E56, E30	IC 8881	1909705-00	60
2	E57, E74	IC 74150	1910153-00	61
3	E5, E15, E21	IC LM301A	1910282-00	62
1	E45	IC 7489	1910396-00	63
1	E42	IC 74123	1910436-00	64
2	E34, E44	IC 74161	1910650-00	65
1	E22	IC 74175	1910657-00	66
2	E1, E8	IC 2101-2	2112323-00	67
2	E4, E38	IC 7702A PROMS	2300882E	68
1	E38	IC 8815	1909713-00	69
4	E3, E7, E32, E37	IC 74197	1910035-00	70
4	E43, E49, E63, E68	IC 7408	1910155-00	71
1	E1	IC MC2626 (UNSHARED O)	2307186-00	72
1	E7	IC MC2627 (ALPHA SET)	2307046-00	73
9		SPLIT LUGS	9006735	74
1		SCREW PPH	9006011-01	75
2		FASTON TAB	9007113-00	76
1		KEP NUT	9006557-00	77
2		EYELETS	9009000	78
9	R98-R104, R107, R107	RES 47K 1/4W 5%	1302177	79
1	E58	IC 7414	1911324	80
1	E13	IC 74180	1910724	81
1	E10	IC 9601	1909373	82
1	E6	IC 7406	1910741	83
1	C98	CAP 39uF 10V 10%	1000076	84
7	R20 THRU R26	RES 4.7K 1/4W 5%	1300447-00	85
5	W1, W4, W8, W11, W12 OR W13	INSULATED JUMPER	9009185	86
4R		JUMPER, INSULATED	9105740-55	87
3		LATCH, LEFT	1209941-03	88
3		LATCH, RIGHT	1209941-04	89
1	E71	IC MC6211 IP	2308846	90

—

[illegible]

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DIGITAL EQUIPMENT CORPORATION.

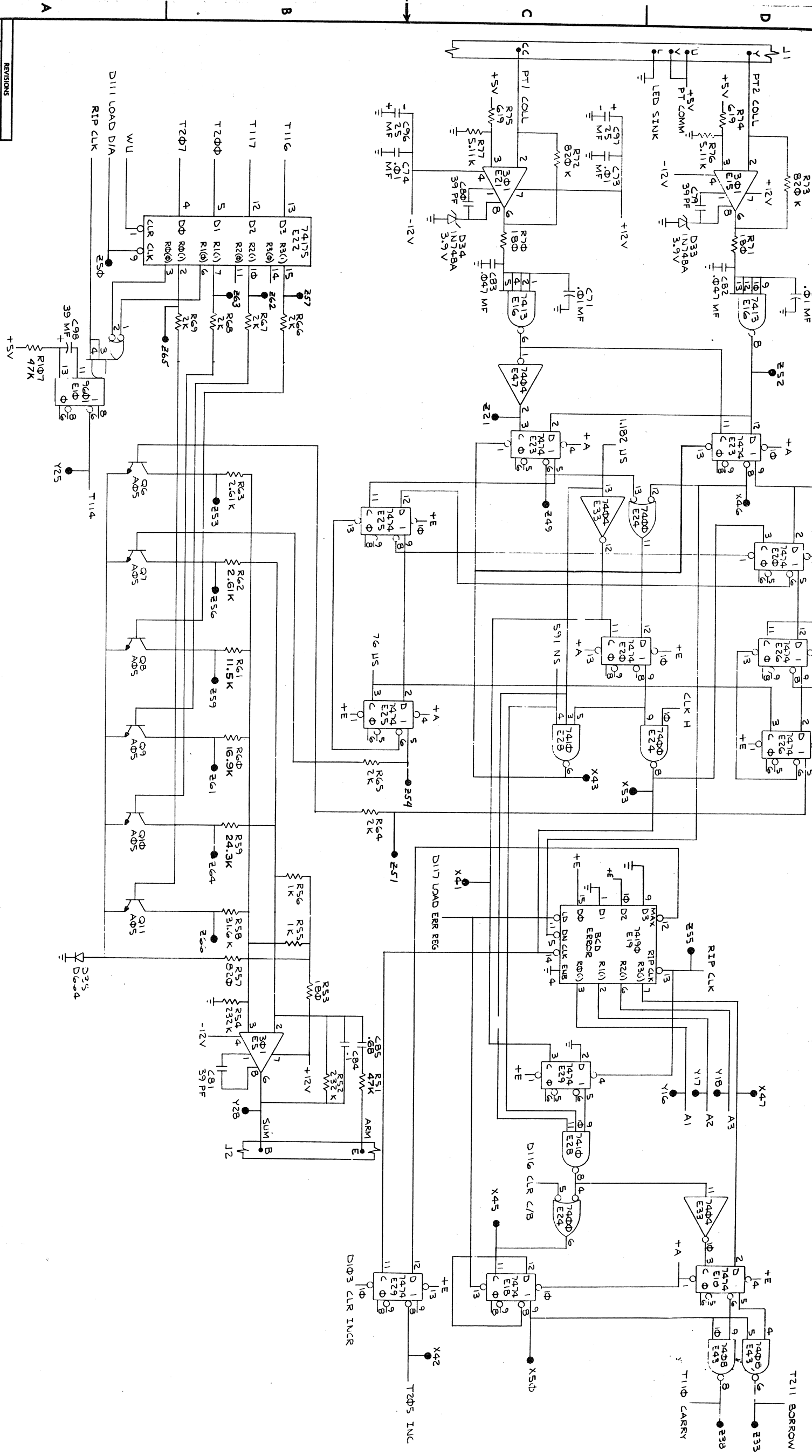
NOTES
1. * INDICATES NUMBER MAY BE CUT TO LOWER VOLUME.





D	CS	5411023-0-1	S
DIST.			

THIS DRAWING AND SPECIFICATION, HEREIN, ARE THE PROPERTY OF BENTLEY SYSTEMS CORPORATION AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN PERMISSION FROM BENTLEY SYSTEMS CORPORATION.



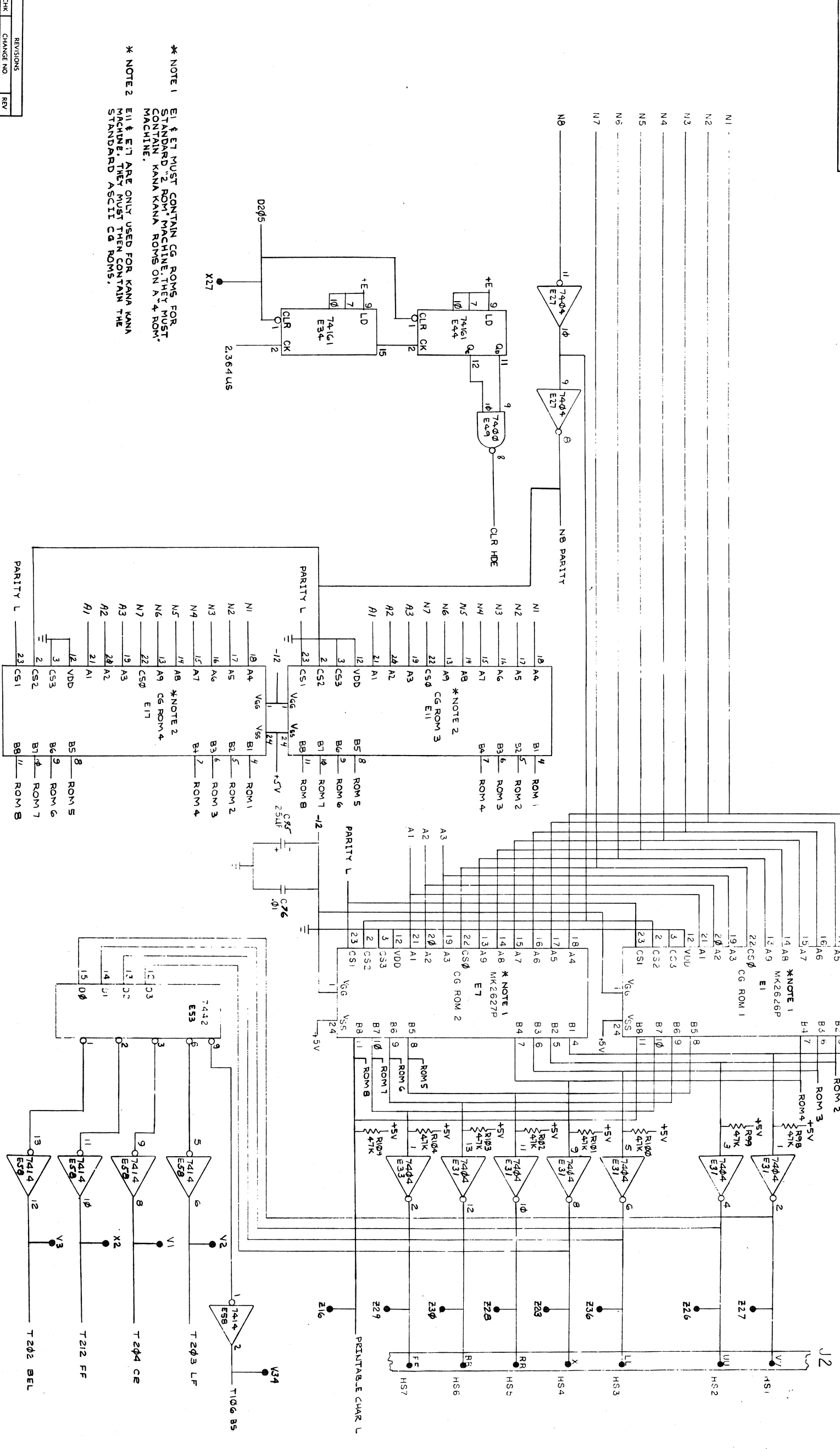
CHK	REVISIONS
	CHANGE NO. REV.

TITLE	LA180 LOGIC BOARD
SIZE CODE	D CS
NUMBER	5411023-0-1
REV.	S

SCALE	SHEET 7 OF 9
DIST.	

5411023-0-1

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF SAMSUNG ELECTRONICS CO., LTD. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF SAMSUNG ELECTRONICS CO., LTD. COPYRIGHT © 1974, DIGITAL EQUIPMENT CORPORATION.



* NOTE 1
E1 & E7 MUST CONTAIN CG ROMS FOR
STANDARD "2 ROM" MACHINE. THEY MUST
CONTAIN KANA KANA ROMS ON A "4 ROM"
MACHINE.

* NOTE 2
E11 & E17 ARE ONLY USED FOR KANA KANA
MACHINE. THEY MUST THEN CONTAIN THE
STANDARD ASCII CG ROMS.

REVISIONS		REV	
CHK	CHANGE NO.		
TITLE			
LA180 LOGIC BOARD			
SCALE		SHEET 8 OF 9	
SIZE CODE		D CS 5411023-0-1	
NUMBER		1	
REV		S	

