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# FIELD MAINTENANCE PRINT SET

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1982

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RAINBOW (TC)  
RAINBOW  
RAINBOW (PL)  
RAINBOW (DRAWING DIRECTORY ONLY)  
MOTHER BOARD (PC100)  
MOTHER BOARD  
MOTHER BOARD (PL)  
MOTHER BOARD (CS)  
RX50 CONTROLLER (PC100)  
RX50 CONTROLLER (PC100)  
RX50 CONTROLLER (PC100) PL  
RX50 CONTROLLER (PC100) CS  
PRINT SET BA25  
CPU ASSY. RAINBOW  
CPU ASSY. RAINBOW (PL)

UNIT VARIATIONS COVERED BY THIS PRINT SET
PC100-A
PC100-AN
PC100=AL

PC100  
**Field Maintenance  
Print Set**

Digital Equipment  
Corporation

Print Set Part Number MP- 01491-00

REVISION HISTORY	DATE	ECN NUMBER	REV	INITIAL			
				A	B	C	D
	30 JAN 1984	PC100-MLOO6	B				

CRN.	D. HEALY	DATE	TITLE
		12 OCT. 82	
CHK'D.	D. HEALY	DATE	RAINBOW
		2 DEC. 82	
DES. ENG.	D. MOORE	DATE	
		2 DEC. 82	
RESP. ENG.	F. CHALOUX	DATE	
		2 DEC. 82	
FIELD SERVICE	JERRY TEBO	DATE	
		2 DEC. 82	
NEXT HIGHER DOC.			

SIZE	CODE	NUMBER	REV	DOCUMENT NUMBER			
				PC100-0-1	TC	II	1
				NEXT HIGHER DOC.			
SHEET 1 OF 1							

PC100-A  
ELECTRONIC EQUIPMENT COMPANY  
1988

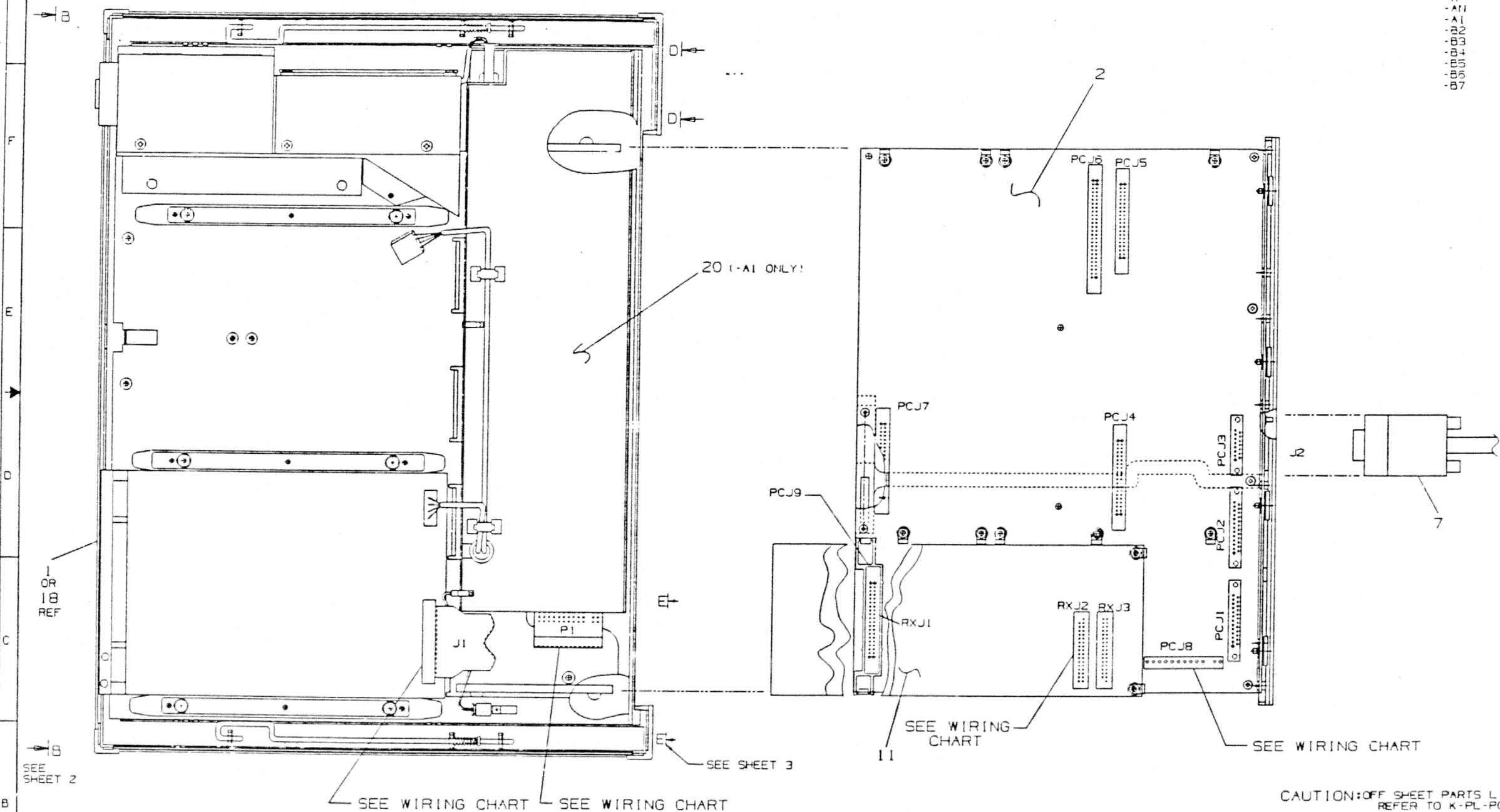
WIRING CHART

ITEM NO.	FROM	TO	REMARKS
11	J1 (6A25-B1) PART OF ITEM 1	RXJ2 15415482-001 PART OF ITEM 11	J1 USED TO IDENTIFY CABLE
39	P1 (6A25-B1) PART OF ITEM 1	PCJ8 15415486-011 PART OF ITEM 2	P1 USED TO IDENTIFY CABLE
7	—	PCJ3 15415486-011 PART OF ITEM 2	CONNECTION SHOWN AS REFERENCE, DO NOT CONNECT BEFORE SHIPPING. SHIP SEPARATELY.

LEGEND		
PART NUMBER	REV	DESCRIPTION
PC100-A THRU AN	SEE 00	AS SHOWN

- NOTES:
- ITEM #23 (NOT SHOWN ON THIS ASSY) WILL BE SHIPPED SEPARATELY AND INSTALLED AT CUSTOMER SITE.
  - PLACE ITEM 17 OR 22 OR 33 OR 34 OR 35 OR 36 OVER A.C. POWER INLET.
  - ITEM #15, QTY OF 2 TO BE SHIPPED LOOSE PIECE, QUANTITY OF 2 WILL BE PLACED ON SHIPPING CONTAINER. MARK ITEM 16, BLANK BAR CODE LABEL, WITH PART NO. AND PART REVISION PER DEC. PACKAGING LOGO SPECIFICATION 9905210.
  - THE POWER SUPPLY VOLTAGE SELECT SWITCH MUST BE IN THE PROPER POSITION AS INDICATED:

VARIATION	SWITCH POSITION	VOLTAGE
-A	-AN	115V
-A1	-A1	115V
-B2	-B2	115V
-B3	-B3	230V
-B4	-B4	230V
-B5	-B5	230V
-B6	-B6	230V
-B7	-B7	230V



CAUTION: OFF SHEET PARTS LIST EXISTS  
REFER TO K-PL-PC100-0-DBP

DESCRIPTION		DRAWING NO.	PART NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 1141)			
QUANTITY	VARIATION	UNIT	DIMENSION NAME
1	—	INCHES	INCHES
1	—	MM	MM
DIMENSION NAME			
1	—	INCHES	INCHES
1	—	MM	MM
TOLERANCE			
1	—	INCHES	INCHES
1	—	MM	MM
NOTES:			
DO NOT SCALE DRAWINGS		TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS		digital	
MATERIAL SEE PARTS LIST		RAINBOW	
FINISH NONE		DOCUMENT NUMBER	
TOP SURF.		E U/A PC100-0-DBU	
B-LO-PC100-0		TOP SURF.	

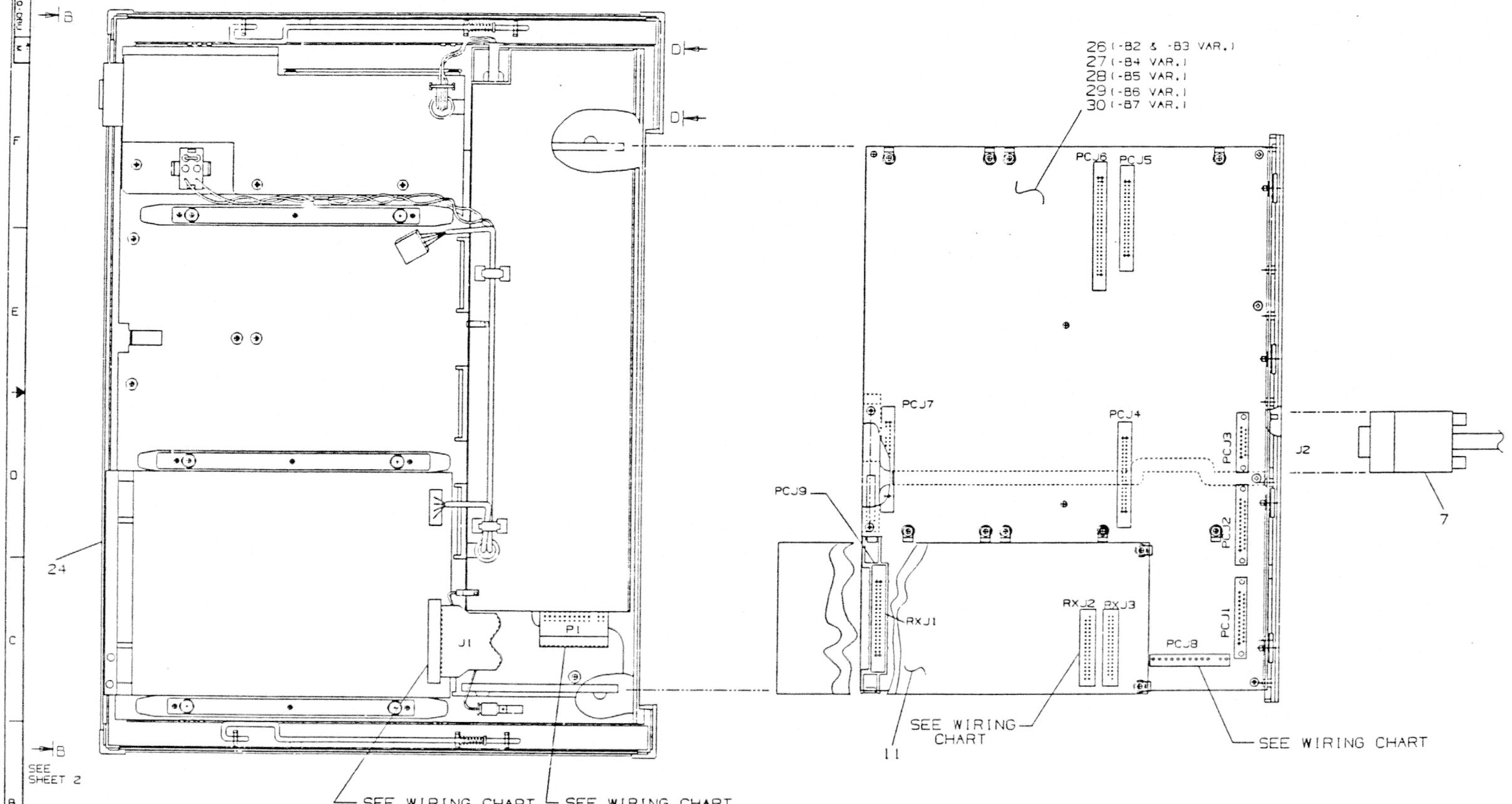
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## WIRING CHART

ITEM NO.	FROM	TO	REMARKS
J1 (BA25-B)	PART OF ITEM 24	RXJ2 (541532-001) PART OF ITEM 11	J1 USED TO IDENTIFY CABLE
39	P1 (BA25-B) PART OF ITEM 24	PCJ8 PART OF CPU ASSY.	P1 USED TO IDENTIFY CABLE
7		PCJ3 PART OF CPU ASSY.	CONNECTION SHOWN AS PREFERENCE, DO NOT CONNECT BEFORE SHIPPING. SHIP SEPERATELY.

## LEGEND

PRINT NUMBER	REV	DESCRIPTION
PC100-82 THRU -87	SEE 00	AS SHOWN



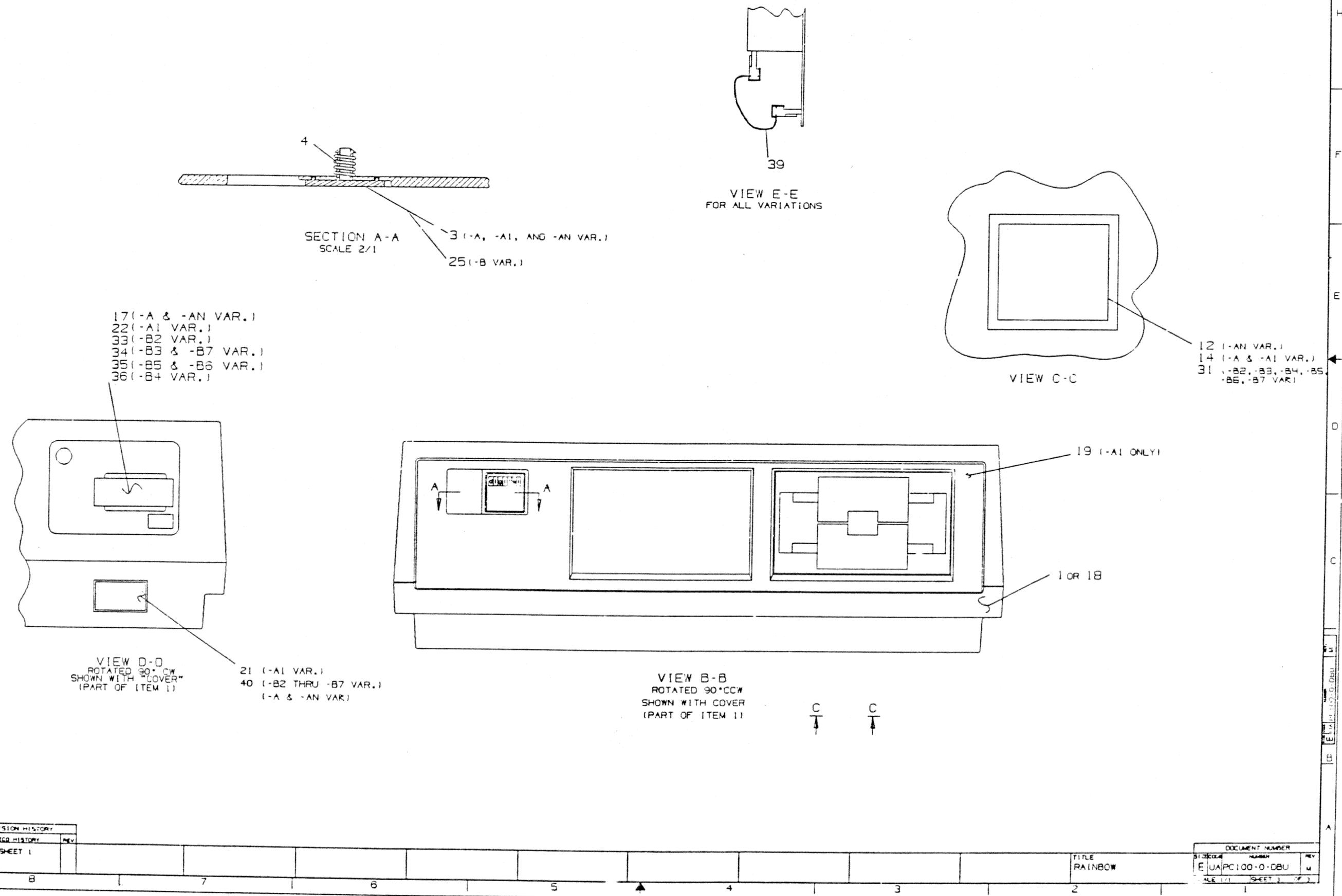
ITEM 24 SHOWN WITH COVER REMOVED

REVISION HISTORY	
DATE	ECN HISTORY
	REV

DOCUMENT NUMBER		
EUA	PC100-0-0BU	REV
SCALE 1:1 SHEET 2 OF 3		

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LEGEND		
PART NUMBER	REV	DESCRIPTION
PC100-A THRU -AN	SEE DO	AS SHOWN
PC100-B2 THRU -B7	SEE DO	AS SHOWN



## PARTS LIST

SHEET A1 OF A2

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	A A7	QUANTITY PER VARIATION/REVISION								
						A1 A6	A1 A7	AN A2	B2 A3	B3 A2	B4 A2	B5 A2	B6 A2	B7 A2
1	1	E-UA-BA25-0-0	BA25 -B	BA25-A, RX50-AA, H7842-A, 120/240V	1	-	1	-	-	-	-	-	-	-
2	2	D-AD-7019974-0-DBU	70-19974-00	CPU ASSY, RAINBOW 100	1	1	1	-	-	-	-	-	-	-
3	3	D-IA-7427256-0-DBU	74-27256-03	MEDALLION, RAINBOW 100	1	1	1	-	-	-	-	-	-	-
4	4		12-20113-01	SPRING, COMPRESSION .3000DX .380LG	1	1	1	1	1	1	1	1	1	1
5	5		90-10318-02	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
6	6	A-PA-3700695-0-0	37-00695-02	PKG SYSTEM PC100-A CUSTOMER SMALL	1	1	1	-	-	-	-	-	-	-
7	7		17-00283-00	CABLE ASSY, 07 COND, MOLD, SHLD 15S	1	1	1	1	1	1	1	1	1	1
8	8		36-20218-01	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
9	9		36-17905-01	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
10	10		36-20215-02	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
11	11	E-UA-5415482-0-0	54-15482-00	PC100 RX50 CONTROLLER	1	1	1	1	1	1	1	1	1	1
12	12		36-20218-05	LABEL, REGULATIONS, PC INTERIM	-	-	1	-	-	-	-	-	-	-
13	13		17-00289-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
14	14		36-20218-07	LABEL, PC100	1	1	-	-	-	-	-	-	-	-
15	15			*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-
16	16		36-18460-06	LABEL, BAR CODE BLANK .50 X4.0	4	4	4	4	4	4	4	4	4	4
17	17		36-16157-00	LABEL, CORRECT VOLTAGE SETTING, CAUT	1	-	1	-	-	-	-	-	-	-
18	18	E-UA-BA25-0-0	BA25 -A	SMALL SYSTEM UNIT ENCLOSURE	-	1	-	-	-	-	-	-	-	-
19	19	E-UA-RX50-0-DBU	RX50 -AA	DUAL 5.25" SINGLE SIDED FLOPPY DRI	-	1	-	-	-	-	-	-	-	-
20	20	E-UA-H7842-0-0	H7842-B	H7842-A EXCEPT 120V ONLY	-	1	-	-	-	-	-	-	-	-
21	21		36-20215-08	LABEL, PWR.RATING CT 120V 3.0A	-	1	-	-	-	-	-	-	-	-
22	22		36-21750-01	LABEL, PERMANENTLY SET FOR 120V	-	1	-	-	-	-	-	-	-	-
23	23		17-00402-01	CABLE ASSY 16COND 26AWG 10'LG	1	1	1	1	1	1	1	1	1	1
24	24	E-UA-BA25-0-0	BA25 -CB	BA25-CA,RX50-AA,H7842-D,120/240V	-	-	-	1	1	1	1	1	1	1
25	25	D-IA-7427256-0-DBU	74-27256-06	MEDALLION WITH SCRIPT, RAINBOW	-	-	-	1	1	1	1	1	1	1
26	26	D-AD-7019974-0-DBU	70-19974-02	CPU ASSY, RAINBOW 100B LANG CL1	-	-	-	1	1	-	-	-	-	-
27	27	D-AD-7019974-0-DBU	70-19974-03	CPU ASSY, RAINBOW 100B LANG CL2	-	-	-	-	-	1	-	-	-	-
28	28	D-AD-7019974-0-DBU	70-19974-04	CPU ASSY, RAINBOW 100B LANG CL3	-	-	-	-	-	-	1	-	-	-
29	29	D-AD-7019974-0-DBU	70-19974-05	CPU ASSY, RAINBOW 100B LANG CL4	-	-	-	-	-	-	-	1	-	-
30	30	D-AD-7019974-0-DBU	70-19974-06	CPU ASSY, RAINBOW 100B LANG CL5	-	-	-	-	-	-	-	-	1	-
31	31		36-20218-09	LABEL, PC100-B	-	-	-	1	1	1	1	1	1	1
32	32		36-20218-12	*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-

## REVISION HISTORY

## !KPL MATRIX FORMAT!SECTION A OF A !DRN: S. AZEVEDO

ENG!	ECO NUMBER	!REV	SECTION/VARIATION INDEX	DATE: 23-JUL-82	D I G I T A L
--	INITIAL	A	[A] A ,A1,AN,B2,B3,B4,B5,B6,B7	CHK'D: D. HEALY	TITLE PARTS LIST
DD	IPC100-ML001	B	[B]	DATE: 08-DEC-82	RAINBOW
FC	IPC100-ML002	C	[C]		
FC	IPC100-ML003	D	[D]	DES.ENG: D. MOORE	DOCUMENT NUMBER
FC	IPC100-ML005	E	[E]	DATE: 08-DEC-82	SIZE!CODE! NUMBER
FC	IPC100-ML006	F	[F]	RESP.ENG.: F. CHALOUX	! REV
AJ	IPC100-ML007	H	[H]	DATE: 08-DEC-82	K PL PC100-0-DBP M
AJ	IPC100-ML008	J	[J]		
AJ	IPC100-ML010	K		MFG.ENG: B. PORTER	RELEASE DATE: 14-MAY-86
AJ	IPC100-ML011	L		DATE: 08-DEC-82	RELEASE STATUS: RELEASED
AJ	IPC100-ML012	M			
			BASIC PART NUMBER: PC100	ASSEMBLY NUMBER: !E-UA-PC100-0-DBU	TOP DOCUMENT NUMBER: !B-DD-PC100-0
					FILE NAME: !Z5232M.PLS
					EDIT #: 6

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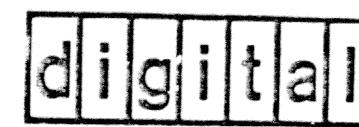
LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	PARTS LIST								SHEET A2 OF A2					
				DESCRIPTION				A	A1	A2	B1	B2	B3	B4	B5	B6	B7
				A7	A6	A7	A2	A3	A2	A2	A2	A2	A2	A2	A2	A2	A2
33	33		36-17905-07	LABEL,EQUIP SET 100-120V ENG,FR,SP	-	-	-	1	-	-	-	-	-	-	-	-	-
34	34		36-17905-09	LABEL,EQUIP SET 220-240V ENG,FR,GE	-	-	-	-	1	-	-	-	-	-	-	-	1
35	35		36-17905-11	LABEL,EQUIP SET 220-240V ENG,SWD,D	-	-	-	-	-	-	-	-	1	1	1	1	-
36	36		36-17905-12	LABEL,EQUIP SET 220-240V ENG,FR,GE	-	-	-	-	-	-	-	-	1	1	1	1	-
37	37	A-PA-3700695-0-0	37-00695-05	PKG SYSTEM PC100-B CUSTOMER	-	-	-	-	-	-	-	1	-	-	-	-	-
38	38		36-20215-09	*** THIS ITEM IS NOT USED ***	-	-	-	1	1	1	1	1	1	1	1	1	1
39	39		17-00318-02	CABLE ASSY,13 COND,FLAT (1X13)RE	-	-	-	-	-	-	-	-	-	-	-	-	-
40	40		36-20215-13	LABEL,PWR.RATING CT PC278	1	1	1	1	1	1	1	1	1	1	1	1	1

3 GEN: 3620218-10 IS A REQUIRED ALTERNATE FOR ITEM 14 (WHEN MFG AT ZGO)  
 4 GEN: 3620218-11 IS A REQUIRED ALTERNATE FOR ITEM 31 (WHEN MFG AT ZGO)  
 5 GEN: 36-20215-12 IS REQUIRED FOR 3620215-13(WHEN MFG AT ZGO)

D	I	G	I	T	A	L	TITLE
							RAINBOW

SECTION A OF A
----------------

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	PC100-0-DBP	M

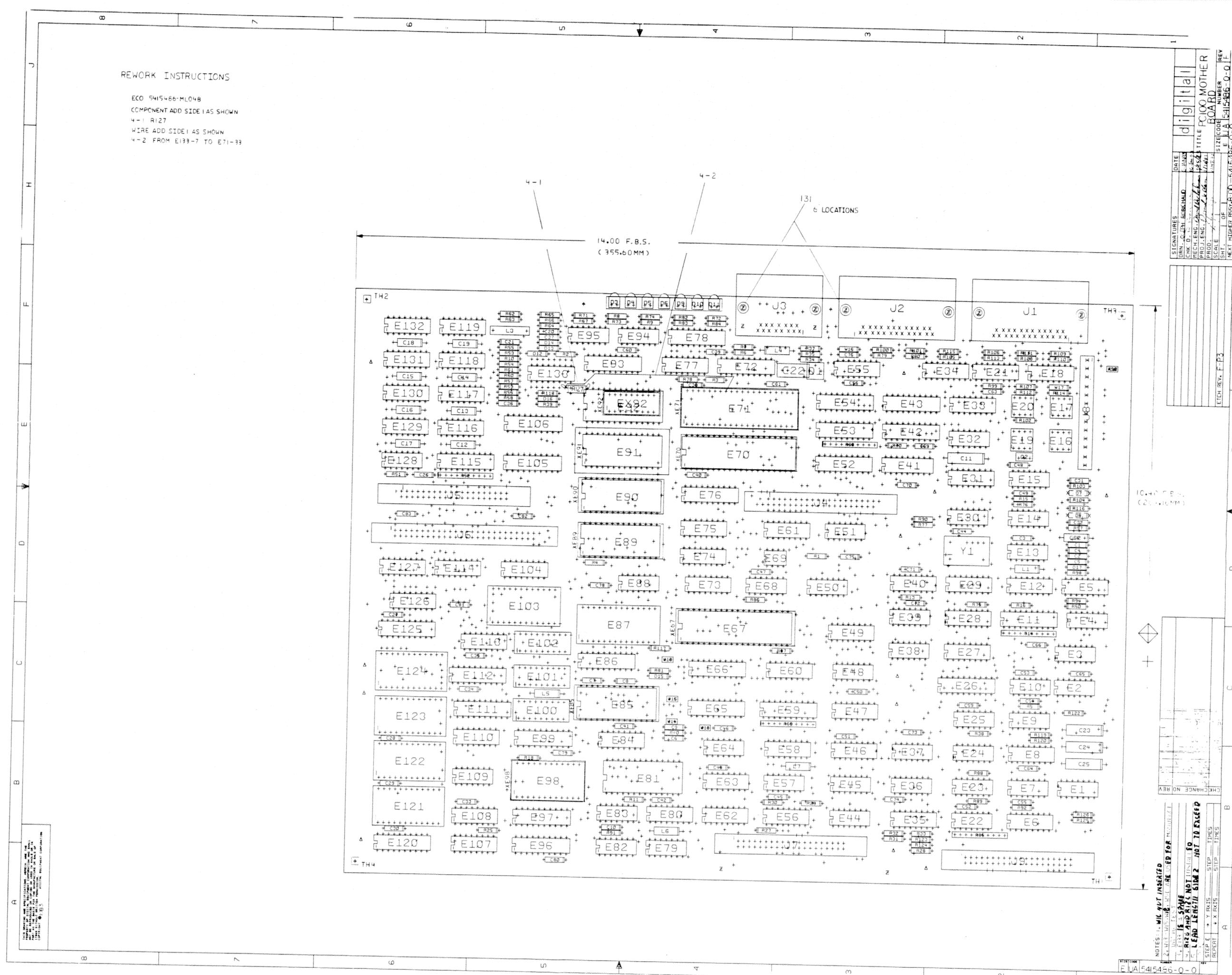
DRAWING NO.	NO OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																																																																						
				REV. H	REV. PC100-0	SIZE CODE B	SIZE CODE D																																																																			
		PC100-A	PERSONAL COMPUTER, Z80 & 8088 64KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, PRINTER PORT, ASYNC/ SYNC PORT, 120/240V	A1	A2	A3	A4	A4	A5	A5	A6	A6	A6	A6	A7																																																											
		PC100-AN	NON FCC COMPLAINT PC100-A, 120/240V	A1	A2	A3	A4	A4	A5	A5	A6	A6	A6	A6	A7																																																											
		PC100-A1	PC100-A EXCEPT 120V ONLY								A1	A2	A2	A2	A2																																																											
		PC100-B2	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, 120, ENGLISH-GERMAN- FRENCH										A1	A2	A2	A2																																																										
		PC100-B3	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, PRINTER PORT, ASYNC/ SYNC PORT, 240V, ENGLISH-GERMAN- FRENCH										A1	A2	A3	A3																																																										
		PC100-B4	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY PRINTER PORT, ASYNC/SYNC PORT, 240V, ENGLISH-DUTCH-FRENCH										A1	A2	A2	A2																																																										
<b>NOTES:</b>				<table border="1"> <thead> <tr> <th colspan="2">REVISION HISTORY</th> </tr> <tr> <th>DATE</th> <th>ECO NO.</th> <th>REV.</th> <th></th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td>INITIAL A</td> </tr> <tr> <td>ML001</td><td>A</td><td></td><td>ML002</td> </tr> <tr> <td></td><td></td><td></td><td>ML003</td> </tr> <tr> <td></td><td></td><td></td><td>ML004</td> </tr> <tr> <td></td><td></td><td></td><td>ML005</td> </tr> <tr> <td></td><td></td><td></td><td>ML006</td> </tr> <tr> <td></td><td></td><td></td><td>ML007</td> </tr> <tr> <td></td><td></td><td></td><td>ML008</td> </tr> <tr> <td></td><td></td><td></td><td>ML009</td> </tr> <tr> <td></td><td></td><td></td><td>ML010</td> </tr> <tr> <td></td><td></td><td></td><td>ML011</td> </tr> <tr> <td></td><td></td><td></td><td>ML012</td> </tr> </tbody> </table>				REVISION HISTORY		DATE	ECO NO.	REV.					INITIAL A	ML001	A		ML002				ML003				ML004				ML005				ML006				ML007				ML008				ML009				ML010				ML011				ML012	12 APR 82	02 DEC 82	30 NOV 82	02 DEC 82	31 DEC 82	06 - May 86	02 DEC 82						
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DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS												B	CODE DD	NUMBER PC100-0	H																																									
				A1	A2	A2	A2																																																					
		PC100-B5	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, PRINTER PORT, ASYNC/SYNC PORT, 240V, ENGLISH-FINNISH-SWEDISH																																																									
		PC100-B6	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, PRINTER PORT, ASYNC/SYNC PORT, 240V, ENGLISH-DANISH-NORWEGIAN													A1	A2	A2	A2																																									
		PC100-B7	PERSONAL COMPUTER, Z80 & 8088, 128KB RAM, 24x80/132 CHARACTERS, Rx50 FLOPPY, PRINTER PORT, ASYNC/SYNC PORT, 240V, ENGLISH-SPANISH-ITALIAN													A1	A2	A2	A2																																									
E-UA-PC100-0-DBU			RAINBOW	A	B	C	D	D	E	F	H	J	K	L	M																																													
K-PL-PC100-0-DBP			RAINBOW (PL)	A	B	C	D	D	E	F	H	J	K	L	M																																													
B-TC-PC100-0-1			RAINBOW (TC)	A	A	A	A	A	A	B	B	B	B	B	B																																													
A-SP-PC100-0-0			PC100-B SYSTEM SPECIFICATION						A	A	A	A	A	A	A																																													
MP-01491-00			RAINBOW PC100-B (MP)	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF																																													
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ML002	A																																																											
ML003	A																																																											
ML004	B																																																											
ML005	B																																																											
ML006	C																																																											
ML007	C																																																											
12 APR 84	ML008	D																																																										
30 NOV 84	ML010	E																																																										
31 DEC 84	ML011	F																																																										
UC-May 86	ML0012	H																																																										
<p style="text-align: center;">TITLE</p> <p style="text-align: center;">RAINBOW</p> <p style="text-align: right;">DOCUMENT NUMBER</p> <table border="1"> <tr> <td>SIZE B</td> <td>CODE DD</td> <td>NUMBER PC100-0</td> <td>REV. H</td> </tr> <tr> <td colspan="2"></td> <td>SHEET 2 OF 2</td> <td></td> </tr> </table>																			SIZE B	CODE DD	NUMBER PC100-0	REV. H			SHEET 2 OF 2																																			
SIZE B	CODE DD	NUMBER PC100-0	REV. H																																																									
		SHEET 2 OF 2																																																										

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DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																					
				A	B	C	D	E	E	E	E	F1	F1												
		5415486-00	PC100 MOTHER BOARD																						
E-UA-5415486-0-0	1		PC100 MOTHER BOARD	A	B	C	D	E	E	E	E	F1	F1												
D-CS-5415486-0-1	13		PC100 MOTHER BOARD	A	B	C	D	E	E	E	E	F	F	F											
K-PL-5415486-0-DBP	4		PC100 MOTHER BOARD	A	B	C	D	E	E	E	E	E	E	E											
K-PC-5415486-0-DBC			PC DESIGN DATA BASE	A	B	C	D	E	E	E	E	F	H	J											
		5015485-00	ETCHED CIRCUIT BOARD	E	E	E	F	F	F	F	F	F	F	F											
D-MD-5015485-0-0	4		CIRCUIT DRILL & ETCH DRAWING	A	A	A	A	B	B	B	B	B	B	B											
E-EC-5015485-0-0	1		ETCH CUT DRAWING	A	B	C	D	E	E	E	E	E	E	E											
E-UA-5415486-0-0	1		PC100 MOTHER BOARD																						
D-CS-5415486-0-1	13		PC100 MOTHER BOARD	-	-	-	-	-	-	D1	D2	D2	D2	D2											
K-PL-5415486-0-DBP	4		PC100 MOTHER BOARD	-	-	-	-	-	-	D1	D2	D2	D2	D2											
<b>NOTES:</b>																									
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<small>COPYRIGHT © 1982 DIGITAL EQUIPMENT CORPORATION</small>								PC100		CHK'D	FRED CHALOUX	30JUN82										B	DD	5415486-0	L
<small>DRB 126</small>								ENG.		ENG.	FRED CHALOUX	30JUN82										SHEET 1 OF 1			
<small>ML1</small>								PROD		PROD	ED TOMPKINS	30JUN82													

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## PARTS LIST

SHEET A1 OF A4

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	VARIATION	QTY PER VARIATION	REFERENCE DESIGNATOR
VARIATION REVISION LEVEL:							
1	1	D-MD-5015485-0-0	5015485-00	5415486 DRILL AND ETCH BOARD		00	
2	2		1000064-00	3.9MFD 10V 10% S.TANT	1		C62
3	3		1001383-00	4700.0 MMF 100V 3%200PPM MICA	1		C22
4	4		1001610-00	.01 MFD 50V +80-20% Z5U CER	10		C2-C9,C20,C21
5	5		1012784-00	.047 MFD 50V +80-20% CER	52		C1,C26-C56,C59-C61,C64,C65,C66,C69-C76,C78-C83
6	6		1013466-06	100.0 MMF 50V 5% CER	1		CONT
7	7		1013466-11	.22 MFD 50V +80-20% Z5U CER	8		C10
8	8		1017472-00	.10 MFD 35V +75-10% AL EL	4		C12-C19
9	9		1100114-00	PIV= 25 IO=135 MA			C23-C25,C11
10	10		1105796-00	PIV= 400 IO= 1.00A 1N4004 DO-41	2		D12-D17
11	11		1117373-01	*** THIS ITEM IS NOT USED ***			D7,D8
12	12		1211357-00	*** THIS ITEM IS NOT USED ***			
13	13		1211358-00	*** THIS ITEM IS NOT USED ***			
14	14		1214460-01	*** THIS ITEM IS NOT USED ***			
15	15		1215006-03	SKT,IC 18PIN DIP TIN SOLD	1		XE92
16	16		1215006-04	*** THIS ITEM IS NOT USED ***			
17	17		1215006-06	SKT,IC 24PIN DIP TIN SOLD	1		XE98
18	18		1215006-07	SKT,IC 28PIN DIP TIN SOLD	1		XE85
19	19		1215006-08	SKT,IC 40PIN DIP TIN SOLD	1		XE67,XE70,XE71
20	20		1215901-05	PCB,HEADER 02PIN(1X02).100CC STR	3		W13-W15,W90,W18
21	21		1215699-05	PCB,HEADER 12POS(1X13).156CC STR	5		J8
22	22		1219066-00	*** THIS ITEM IS NOT USED ***			
23	23		1219066-03	PCB HEADER 52PIN(2X26).100CC STR	1		J6
24	24		1219606-02	SKT,IC 28PIN	2		XE89,XE90
25	25		1219678-04	SKT,IC 28PIN	1		XE91
26	26		1300271-00	.220.0 .25 W 5.0 % CF	1		R34
27	27		1300295-00	.330.0 .25 W 5.0 % CF	25		R3,R4,R10,R11,R16,R64,R65,R18,R50,R51,R70,R113-R115,R2,R76,R90,R91,R71-R74,R82-R84
						CONT	
						CONT	

REVISION HISTORY		BASIC PART NO: 5415486		DRN:	WALT SUPINSKI	DATE: 26-MAY-82	D	I	G	I	T	A	L
ENG:	ECO NUMBER	REV	SECTION A OF A										
F.C	5415486-ML001	B	SECTION,VARIATION INDEX	CHK'D:	D. BARRIERE	DATE: 10-JUL-82			TITLE	PARTS LIST			
FC	5415486-ML002	C	[A] 00						PC100	MOTHER BOARD			
FC	5415486-ML003	D	[B]										
FC	5415486-ML004	E	[C]	DES.ENG:	BOB McNAMARA	DATE: 19-JUL-82			DOCUMENT NUMBER				
FC	5415486-ML007	F	[D]						SIZE	NUMBER			
DK	5415486-ML008	H	[E]						CODE	REV			
D.K	5415486-ML009	J	[F]	RESP.ENG.:	FRED CHALOUX	DATE: 19-JUL-82	K	PL	5415486-0-DBP	J			
			[H]										
			[J]										
			[K]										
			[L]										
			[M]		ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:			FILE NAME:	EDIT #			
			[N]		E-UA-5415486-0-0	#B-DD-5415486-0			Z4377J.PLS	77			

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LINE ITEM TOP DOCUMENT

MIN  
PART NUMBER REV DESCRIPTION  
VARIATION REVISION LEVEL:

QTY PER VARIATION  
00

REFERENCE DESIGNATOR

28	28	1300316-00	470.0	.25 W 5.0 %	CF	2	R66,R67
29	29	1300417-00	***	THIS ITEM IS NOT USED ***		-	
30	30	1300447-00	4.70 K	.25 W 5.0 %	CF	25	CONT
							CONT
31	31	1300479-00	10.0 K	.25 W 5.0 %	CF	5	R1,R6-R9,R92,R25,R15,R13,R89,
32	32	1301317-00	10.0	.25 W 5.0 %	CF	10	R27-R30,R38,R39,R75,R77,R78,R81,
33	33	1301424-00	680.0	.25 W 5.0 %	CF	4	R86,R87,R122,R123,R124
34	34	1301969-00	22.0	.25 W 5.0 %	CF	1	R102,R117,R116,R118,R127
35	35	1302379-00	75.0	.25 W 5.0 %	CF	2	R53-R61,R63
36	36	1303178-00	620.0	.25 W 5.0 %	CF	2	R5,R94,R40,R88
37	37	1309595-00	1.0 M	.25 W 5.0 %	CF	1	R62
38	38	1312930-00	5.10 K	.25 W 5.0 %	CF	1	R35,R37
39	39	1313580-00	360.0	.25 W 5.0 %	CF	1	R31,R32
40	40	1313597-00	23.70 K	.25 W 1.0 % RN55D-F10	11	R119	
41	41	1316334-02	R NETWORK	9-10K 2.0 % 10PIN	1	R98	
42	42	1316395-00	R NETWORK	9-4.7K 2.0 % 10PIN	1	R33	
43	43	1316395-02	R NETWORK	9-1.0K 2.0 % 10PIN	3	R100,R101,R105-R112,R99	
44	44	1510706-00	XA 55	PNP 500MW SI 60 50 P	1	R85	
45	45	1618238-02	BEAD,FERRITE	.1380DX.330LG	5	R69	
46	46	1814830-00	OSCILLATOR, XTAL	24.073 MHZ	1	R14,R52,R68	
47	47	1910532-00	74S00	NAND GATE-QUAD 2IN	1	Q1	
48	48	1910533-00	74S03	NAND GATE-QUAD 2IN,0	2	L3-L7	
49	49	1910535-00	74S05	INVERTER GATE-HEX	1	Y1	
50	50	1910536-00	74S10	NAND GATE-TRIPLE 3IN	1	E13	
51	51	1910544-00	74S74	FF-D DUAL,EDGE TRIGG	6	E14,E95	
52	52	1910548-00	74S157	MUX 1 OF 2 (QUAD)	2	E94	
53	53	1910957-00	74S175	FF-D QUAD COMMON CLO	2	E51	
54	54	1911675-00	74S138	DECODER/DEMUX 3-8 LI	1	E7,E9,E23,E24,E30,E10	
55	55	1912389-00	74S08	AND GATE-QUAD 2IN,PO	1	E62,E40	
56	56	1912536-01	7805	VOLT REG,FIX +5V	1	E12,E29	
57	57	1912697-00	LS174	FF-D HEX W/CLEAR	1	E61	
58	58	1912799-00	LS00	NAND-GATE-QUAD 2IN,P	1	E64	
59	59	1912801-00	LS02	NOR-GATE-QUAD 2IN	1	Q2	
60	60	1912803-00	LS04	INVERTER GATE,HEX	3	E84	
61	61	1912815-00	LS30	NAND GATE-SINGLE 8IN	1	E83	
62	62	1912816-00	LS32	OR GATE-QUAD 2IN,POS	5	E88	
63	63	1912820-00	LS51	A-0-I GATE 2-WIDE 2I	1	E50,E68,E79	
64	64	1912824-00	LS74	FF-D DUAL,EDGE TRIGG	5	E109	
65	65	1912829-00	LS86	X-OR GATE-QUAD 2IN	1	E38,E32,E48,E36,E2	
66	66	1912842-00	LS138	DECODER-THREE INPUT,	6	E37	
67	67	1912843-00	LS139	DECODER, 2 OF 4(DUAL	2	E22,E25,E44,E82,E45	
68	68	1912844-00	LS151	MUX 1 OF 8 & DATA	1	E39	
69	69	1912847-00	LS157	MUX 1 OF 2(QUAD)	7	E73,E104,E49,E47,E58,E46	
70	70	1912849-00	LS161	COUNTER,SYNCHR,4BIT	2	E35,E63	
71	71	1912853-00	LS175	FF-D QUAD	2	E31	
72	72	1912854-00	LS193	COUNTER,SYNCHR,4BIT,	3	E80,E127,E126,E113,E33,E55,E56	
73	73	1912859-00	LS258	MUX 1 OF 2 (DUAL),	4	E6,E27	
						E5,E28	
						E107,E108,E110	
						E60,E74,E75,E114	

D	I	G	I	T	A	L	TITLE	SECTION A OF A
							PC100 MOTHER BOARD	

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	5415486-0-DBP	J

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	VARIATION	QTY PER VARIATION	REFERENCE DESIGNATOR
VARIATION REVISION LEVEL:							
74	74	1912863-00		LS273 FF-D OCTAL W/CLEAR	6		E99,E111,E42,E43,E52,E26
75	75	1914084-00		74S299 SHIFT REG.,8BIT RIGH	1		E97
76	76	1914214-00		LS374 FF-D OCTAL EDGE TRIG	2		E96,E112
77	77	1914423-01		CUSTOM LSI-BIPOLAR LS	1		E85
78	78	1914424-01		CUSTOM LSI-BIPOLAR L	1		E81
79	79	1914451-00		LS393 COUNTER,BINARY,4BIT	4		E3,E4,E15,E128
80	80	1915123-02	***	THIS ITEM IS NOT USED ***	-		
81	81	1915193-00		LS244 DRIVER,LINE,OCTAL,TR	7		E53,E59,E66,E72,E115,E86,E54
82	82	1915218-00		LS245 TRANSCEIVER,BUS,OCTA	5		E65,E106,E105,E120,E125
83	83	1915219-00		LS373 FF-D OCTAL-TRANSPARE	3		E76,E78,E93
84	84	1915415-00		9636 DRIVER,DUAL,EIA RS-	4		E17,E20,E16,E19
85	85	1916028-01		9643 DRIVER,TTL TO MOS,D	1		E69
86	86	1919018-00		LS148 PRIORITY ENCODER,8 T	1		E77
87	87	1920460-01		LS12 NAND GATE 3-IN	2		E57,E1
88	88	2112623-03	DUAL	BAUD RATE GEN/PROG DIVIDER	1		E41
89	89	2113107-01	P	8251A PUSART COMM. INTERFA	1		E87
90	90	2113628-00		4050B BUFFER/CONVERTER GAT	1		E8
91	91	2114212-00	P	2114-2 RAM,1024X4,STATIC	3		E100-E102
92	92	2117872-01		RAM 2KX8 I/O MUXD 20	5		E121-E124,E103
93	93	2118467-01	***	THIS ITEM IS NOT USED ***	-		
94	94 SEE NOTE 134, 135	2118470-01		4864-1 MOS RAM 64K X1,200	8		E116-E119,E129-E132
95	95	2118472-01	***	THIS ITEM IS NOT USED ***	-		
96	96	2118856-00	CONTROLLER,MULTI-PROTOCOL SERIAL		1		E71
97	97	2119148-00	Z80A MICROPROCESSOR 40PIN		1		E67
98	98	2119533-01	8088 MICROPROCESSOR 5MHZ		1		E70
99	99	2120263-01	2212 RAM 256X4 NON-VOLATI		1		E92
100	100	23020E3-00	E3-03		1		E98
101	101	23090B1-00	B1-03		1		E11
102	102	23090E4-00	***	THIS ITEM IS NOT USED ***	-		
103	103	23091E4-00	***	THIS ITEM IS NOT USED ***	-		
104	104	23092E4-00	***	THIS ITEM IS NOT USED ***	-		
105	105	7426678-01	***	THIS ITEM IS NOT USED ***	-		
106	106	7426682-01	***	THIS ITEM IS NOT USED ***	-		
107	107	7426852-01	***	THIS ITEM IS NOT USED ***	-		
108	108	7427174-C1	***	THIS ITEM IS NOT USED ***	-		
109	109	9000037-03	***	THIS ITEM IS NOT USED ***	-		
110	110	9006020-01	***	THIS ITEM IS NOT USED ***	-		
111	111	9006655-00	***	THIS ITEM IS NOT USED ***	-		
112	112	9007649-00	***	THIS ITEM IS NOT USED ***	-		
113	113	9007883-00	***	THIS ITEM IS NOT USED ***	-		
114	114	9008212-00	***	THIS ITEM IS NOT USED ***	-		
115	115	9008451-01	***	THIS ITEM IS NOT USED ***	-		
116	116	9009185-00	JUMPER, WIRE, INSULATED, BLACK B		1		W17
117	117	9009800-07	***	THIS ITEM IS NOT USED ***	-		
118	118	1219678-05	***	THIS ITEM IS NOT USED ***	-		
119	119	1220365-02	CONN,D SUB 15PIN ASSY 90D		1		J3
120	120	1220365-03	CONN,D SUB 25PIN ASSY 90D		1		J1
121	121	1618437-00	BEAD,FERRITE .23600X.394LG		1		L1

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							PC100 MOTHER BOARD		K	PL	5415486-0-DBP	J

## PARTS LIST

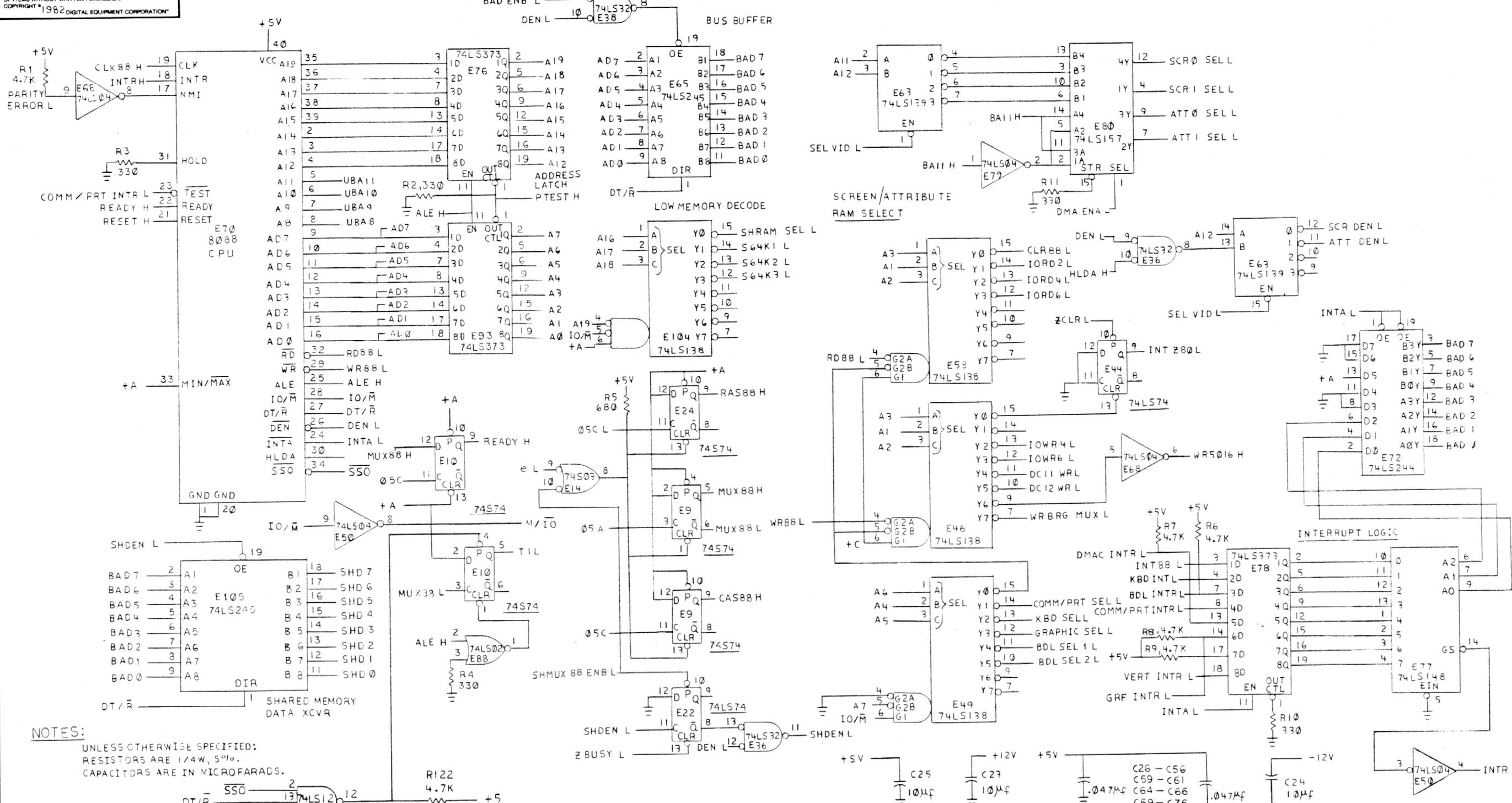
SHEET A4 OF A4

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	VARIATION	REVISION	LEVEL:	QTY PER VARIATION	REFERENCE DESIGNATOR
122	122	9107560-01		WIRE,BUSS 22AWG	TIN	BARE	A/R		
123	123	9105740-55		WIRE(WRAP)	30AWG KYNAR	UL14	A/R		
124	124	1300365-00		1.0 K .25 W 5.0 %	CF		2		R79,R80
125	125	1915123-03		26LS32-3 RECEIVER,LINE	RS232		3		E18,E21,E34
126	126	1302466-00		100.0 K .25 W 5.0 %	CF		4		R97,R120,R103,R104
127	127	1013466-12		2200.0 MMF 50V 10%	X7R CER		1		C63
128	128	9107256-00		*** THIS ITEM IS NOT USED ***			-		
129	129 C-IA-7020274-0-0	7020274-15		COUNTRY ROM & CARRIER USA			1		E91
130	130	1220399-04		CONN,D SUB 25SKT ASSY RT ANGLE			1		J2
131	131	9006732-00		EYELET,ROLLED	0.1210DX0.219		6		
132	132	23176E4-00		E4-06			1		E89
133	133	23177E4-00		E4-06			1		E90
134	134	1120306-02		LED,RED 7 GANGED			1		D3-D6,D9-D11
135	135	1219066-08		PCB HEADER 40PIN(2X20).100CC STR			4		J4,J5,J7,J9

- 136 NOTE: P/N 21-18472-01 IS AN ALT. FOR PRIME P/N 21-18470-01, MIXING OF ALT. AND PRIME PARTS NOT ALLOWED.  
 137 NOTE: P/N 21-18467-01 IS AN ALT. FOR P/N 21-18470-01, MIXING OF ALT. AND PRIME PARTS NOT ALLOWED.  
 138 NOTE: P/N 12-19066-00 IS AN ACCEPTABLE ALTERNATE FOR P/N 12-19066-08 AT LOCATIONS  
 139 NOTE: DESIGNATED AS J5,J7 BUT NOT AT LOCATIONS DESIGNATED AS J4,J9.  
 140 NOTE: P/N 21-18472-02, 21-18467-02, AND 21-18470-02 IS AN ALT. PART FOR PRIME P/N 21-118470-01. MIXING OF  
 141 NOTE: PRIME & ALT PARTS ON A SINGLE BD IS NOT ALLOWED. MIXING OF ALT PARTS ON A SINGLE BD IS NOT ALLOWED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							PC100 MOTHER BOARD		K	PL	5415486-0-DBP	J

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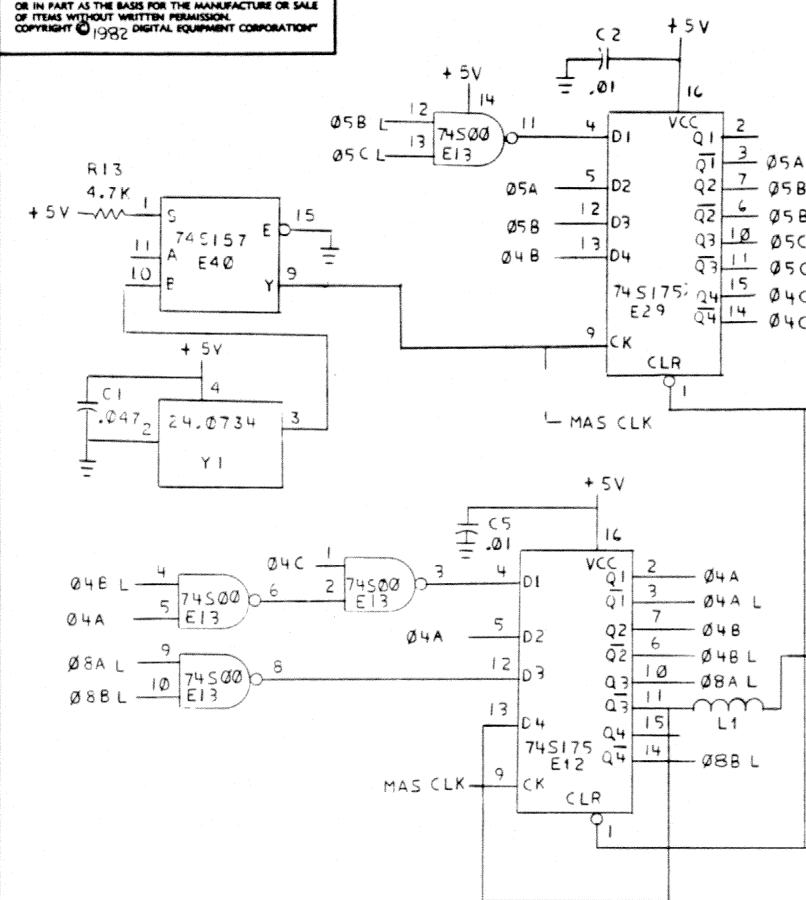
REVISION HISTORY	
DATE	ECO NUMBER
12-10-82	REV A
12-10-82	ORIGINATE B
12-10-82	1545486-ML002 C
12-10-82	1545486-ML001 D
12-10-82	FRED CHALOUX E
12-10-82	1545486-ML004 F
12-10-82	FRED CHALOUX G
12-10-82	1545486-ML005 H
12-10-82	FRED CHALOUX I
12-10-82	1545486-ML003 J
12-10-82	FRED CHALOUX K
12-10-82	1545486-ML002 L
12-10-82	FRED CHALOUX M
12-10-82	1545486-ML001 N

DPM: 74. Denamore	DATE: 02-JUN-82	TITLE: digital
CHMTO: [Signature]	DATE: [Signature]	
DES ENCL: [Signature]	DATE: [Signature]	
RESP ENCL: [Signature]	DATE: [Signature]	
MFG ENCL: [Signature]	DATE: [Signature]	
DOCUMENT NUMBER: DCS 5415486-0-1 E		
SCALE: NONE	SHEET 1 OF 13	ML 1
NOTE: HIGHER DOC. D-U-A-5415486-0-0		

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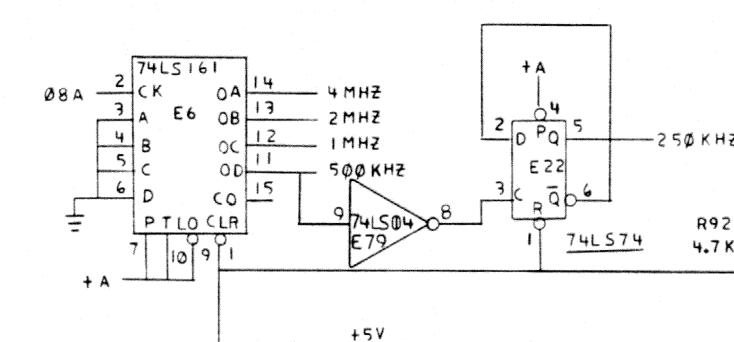
8 7 6 5 4 3 2 1

D



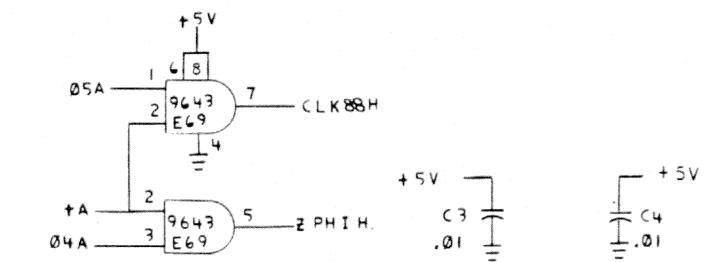
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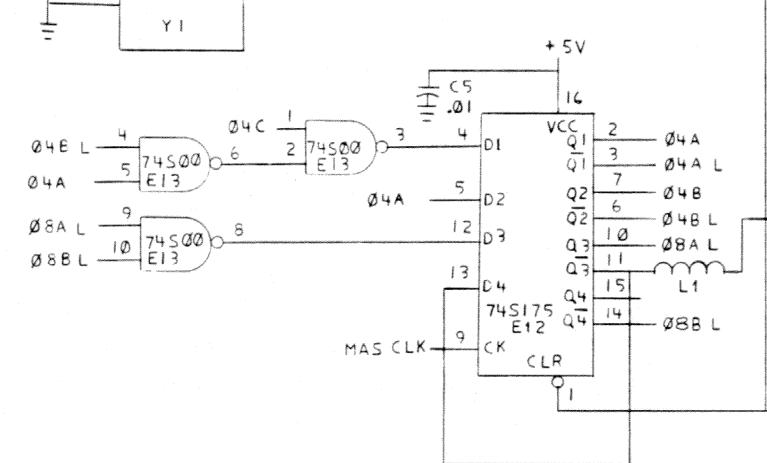


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D

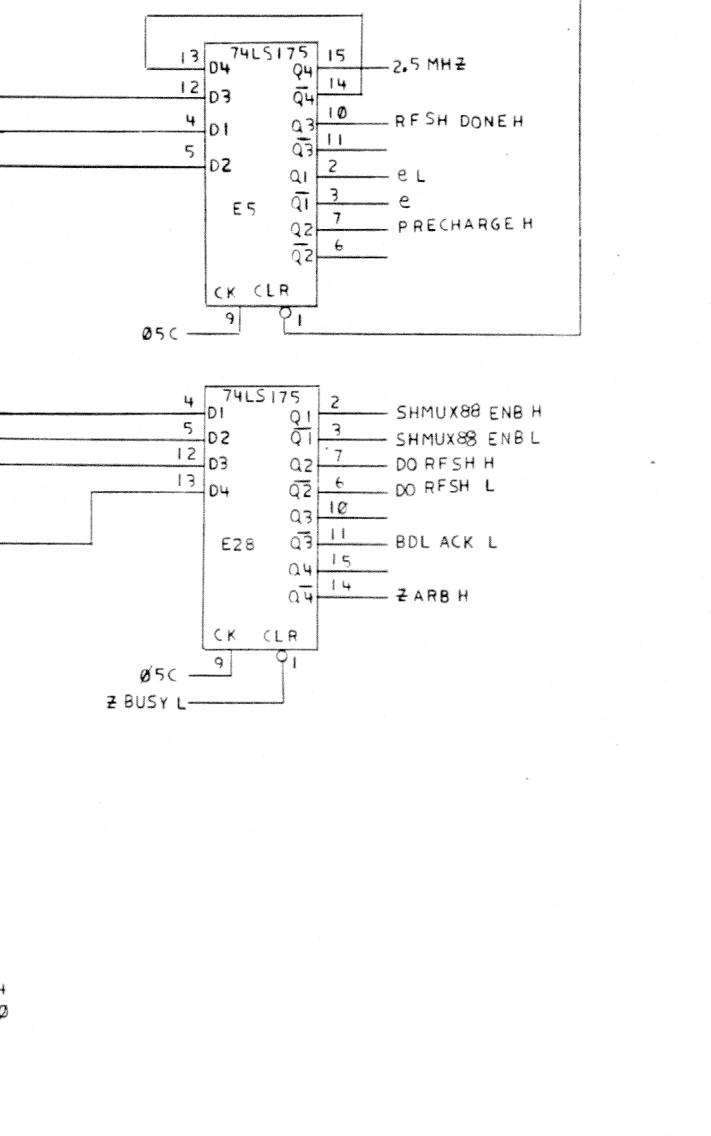
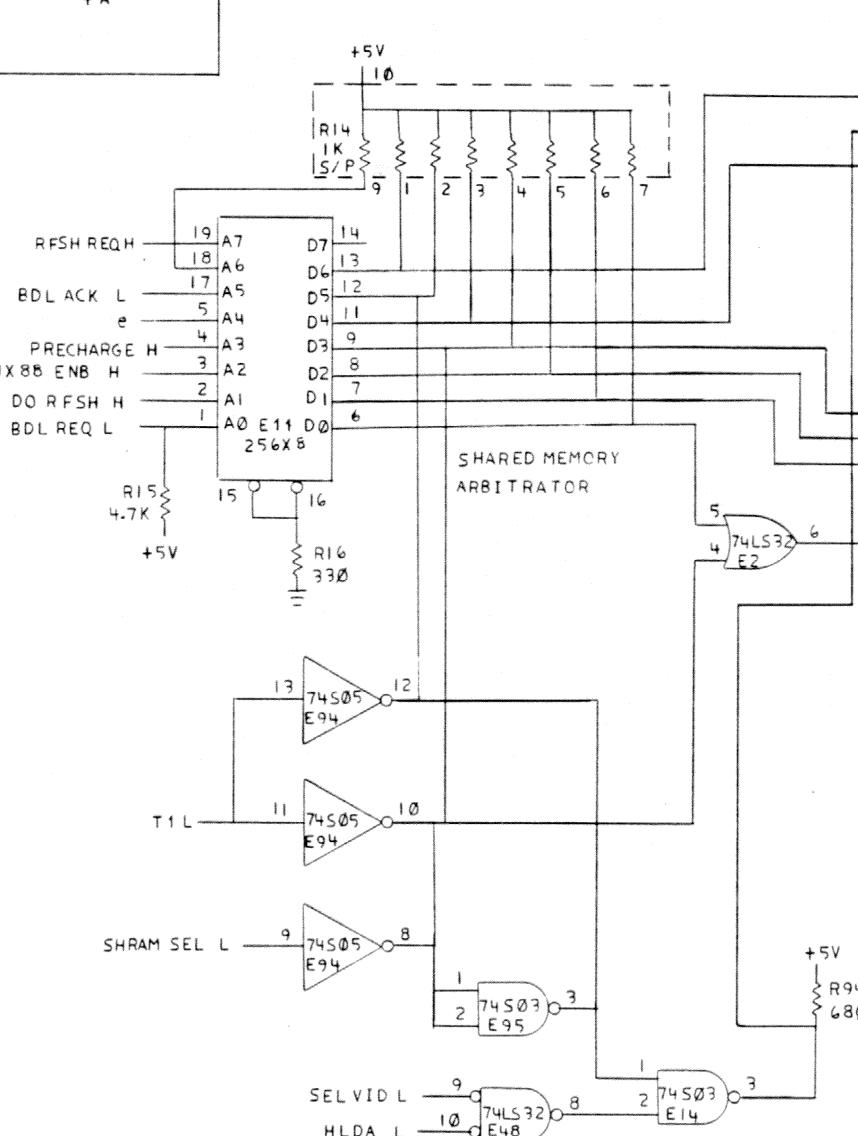


C

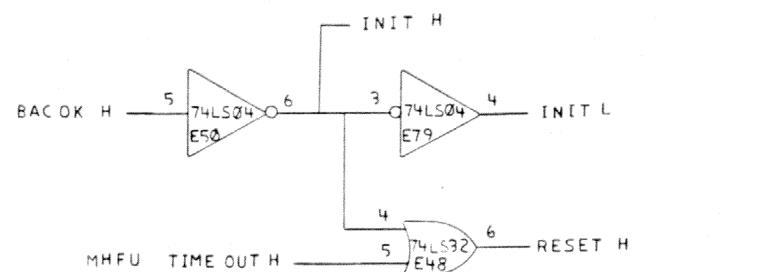


8 7 6 5 4 3 2 1

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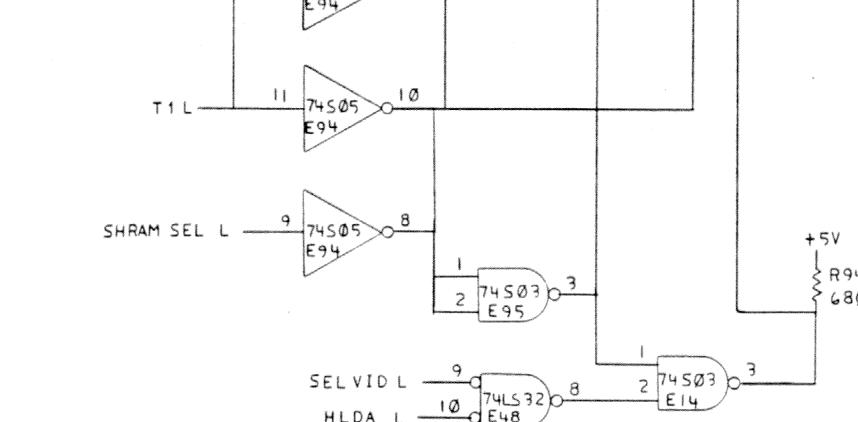


B



8 7 6 5 4 3 2 1

B



A

PC-100 CLOCK

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE			SIZE/CODE	NUMBER	REV.
PC100 MOTHER BOARD	D	CS5415486-0-1			E
SCALE NONE	SHEET	2 OF 13	DIST.		

8

7

6

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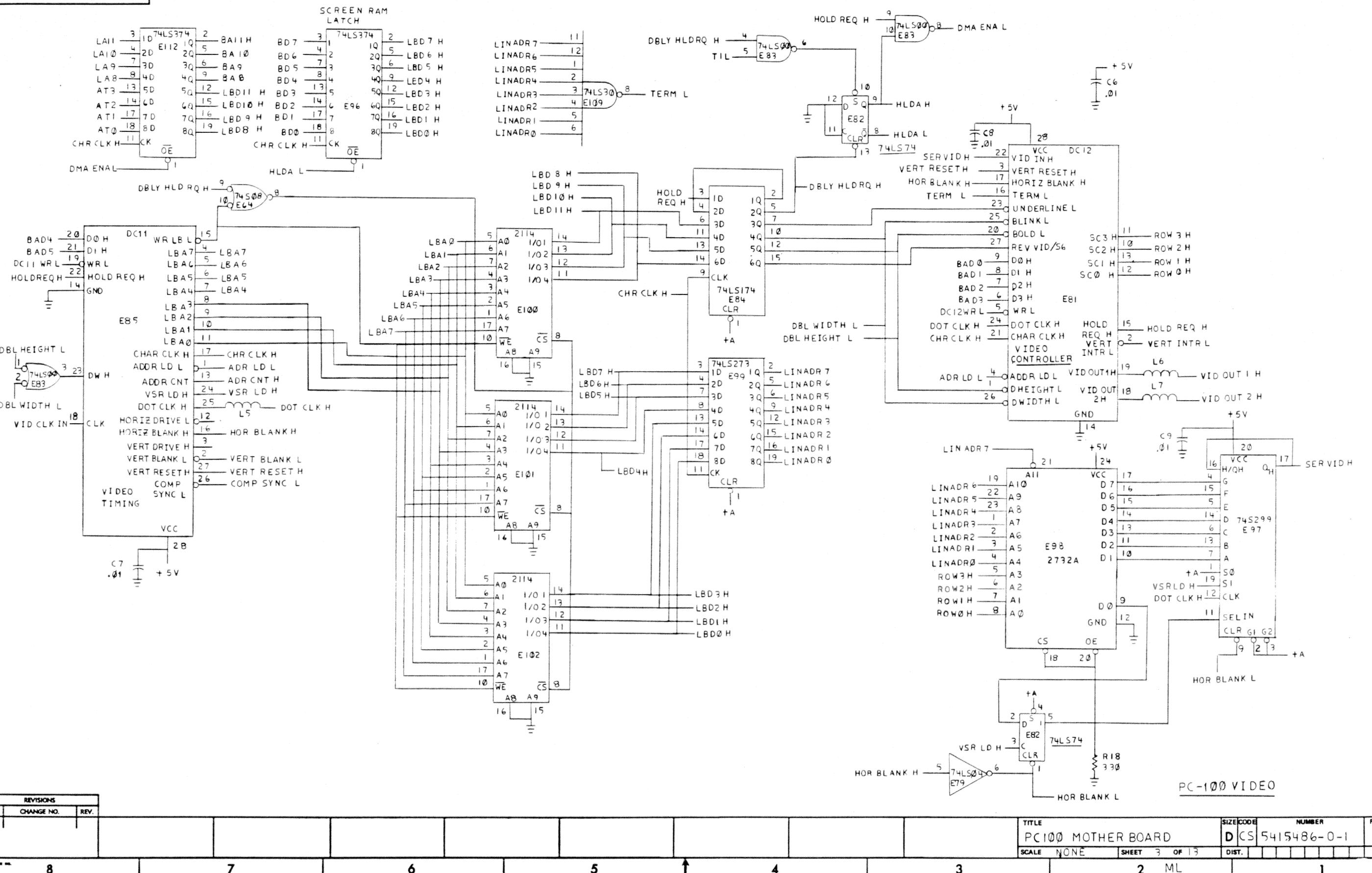
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SIZE CODE: D CS5415486-0-1  
REV: E

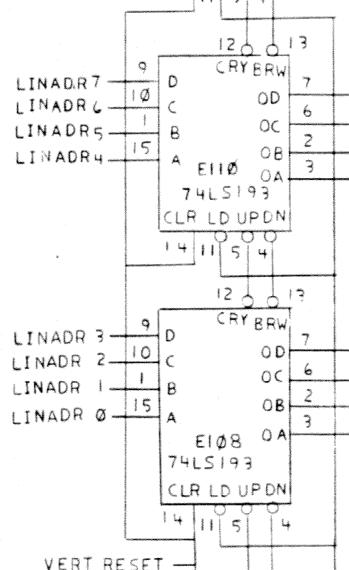
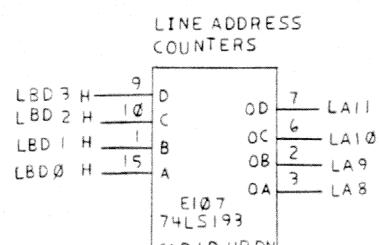
B

A

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VERT RESET  
ADR LD L  
ADR CNT H  
 $C_{10}$   
 $100PF$   
+5V

8088	40	1520
Z80	11	29
2164	8	16
9643	6 & 8	4
ICT TYPE	+5V	GND
	+12V	-12V

REVISIONS		
CHK	CHANGE NO.	REV.

REC FORM NO.  
MIL-120

8

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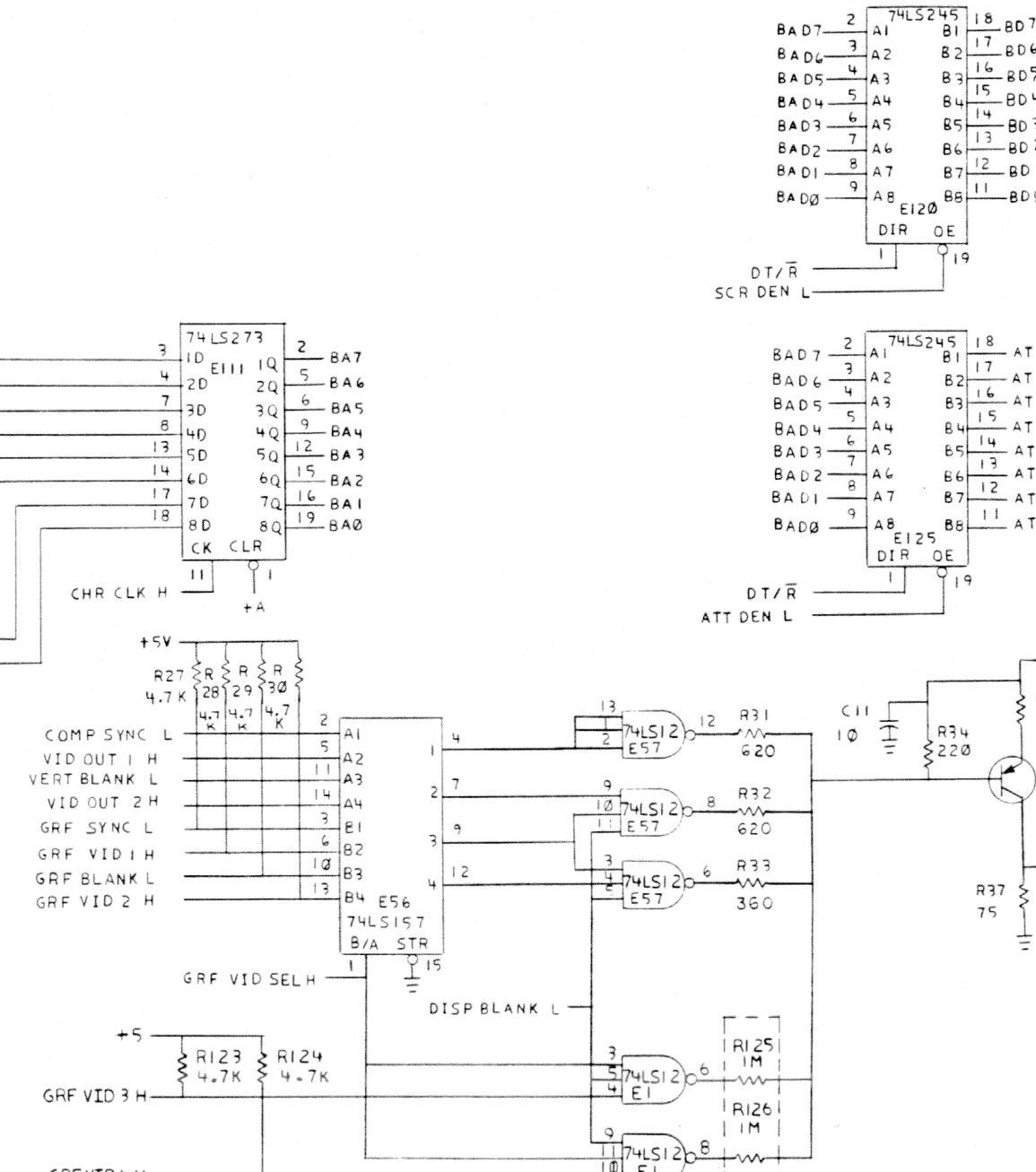
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4

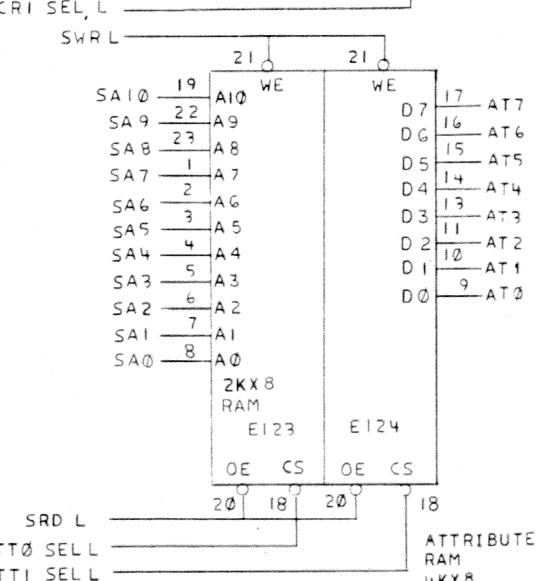
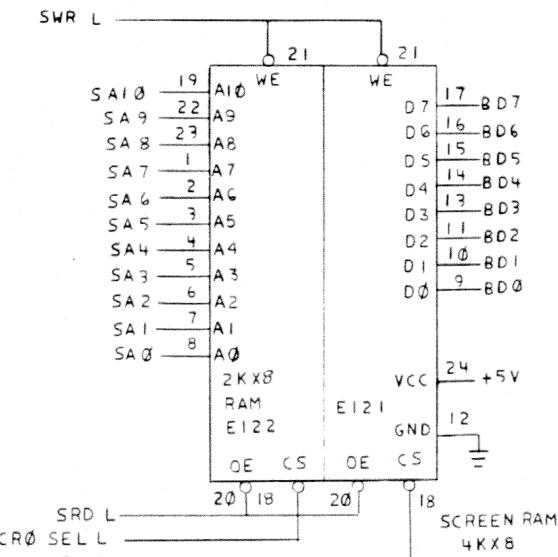
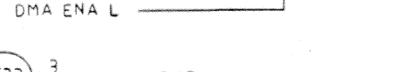
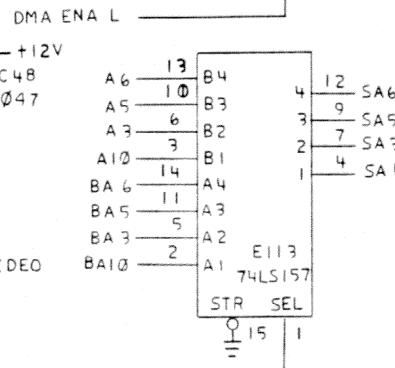
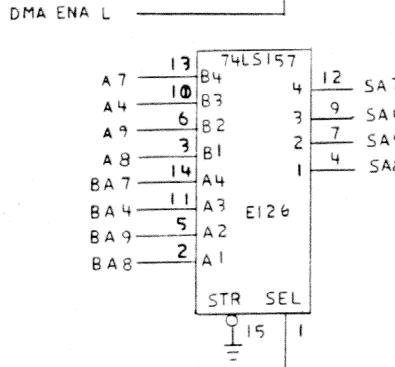
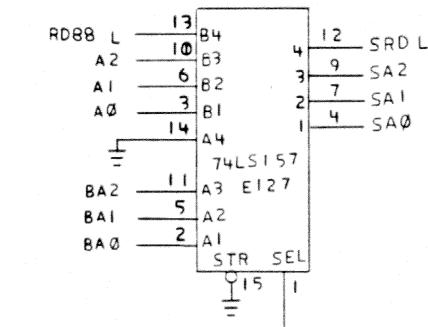
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2

1



NOTE: R125 AND R126 NOT INSTALLED



NUMBER DCS 5415486-0-1

SIZE CODE D

REV. E

PC-100 VIDEO DMA &amp; VIDEO MEMORY

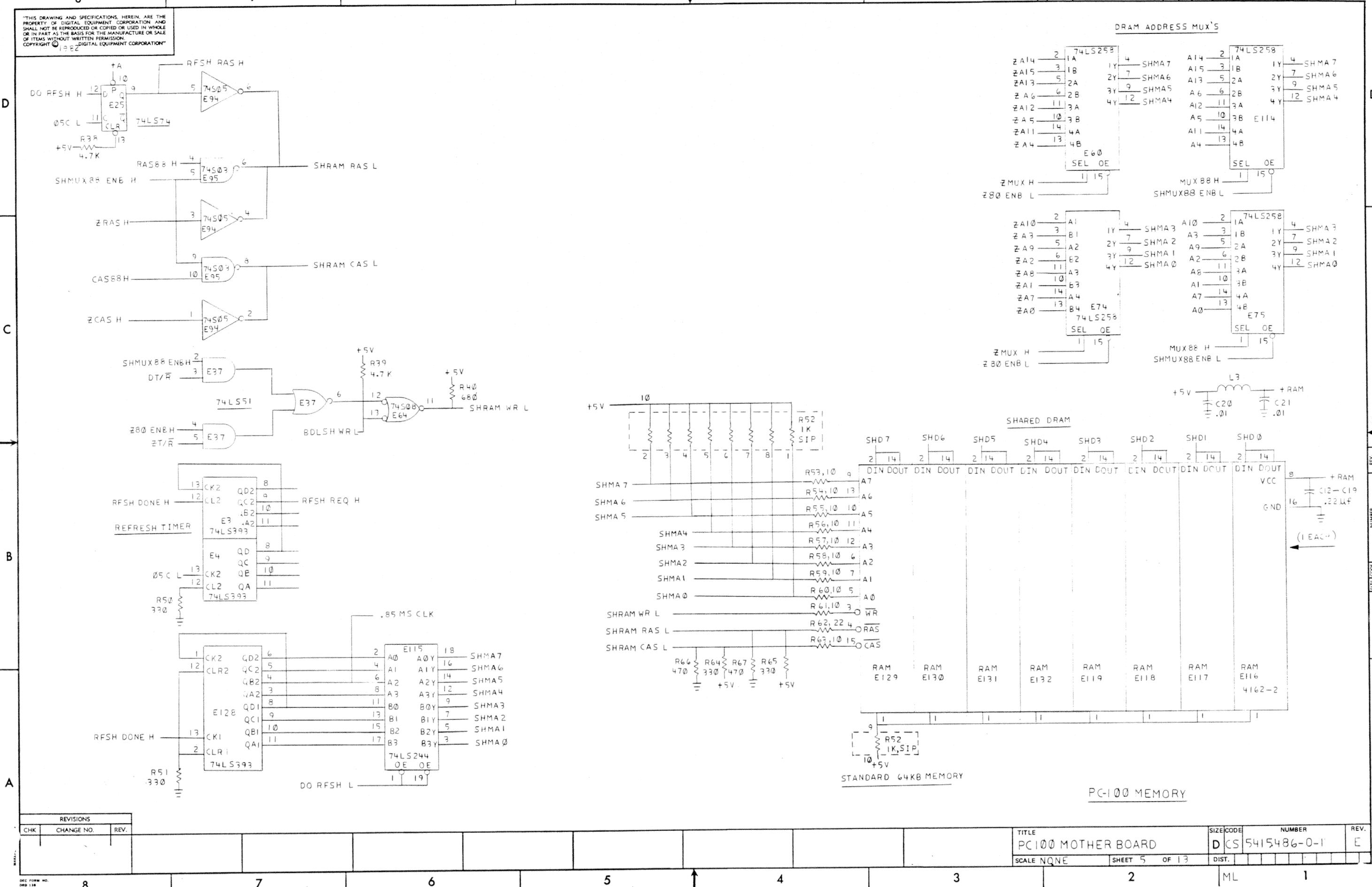
TITLE	SIZE CODE	NUMBER
PC100 MOTHER BOARD	D	CS 5415486-0-1
SCALE NONE	SHEET 4 OF 13	DIST.

NUMBER DCS 5415486-0-1

SIZE CODE

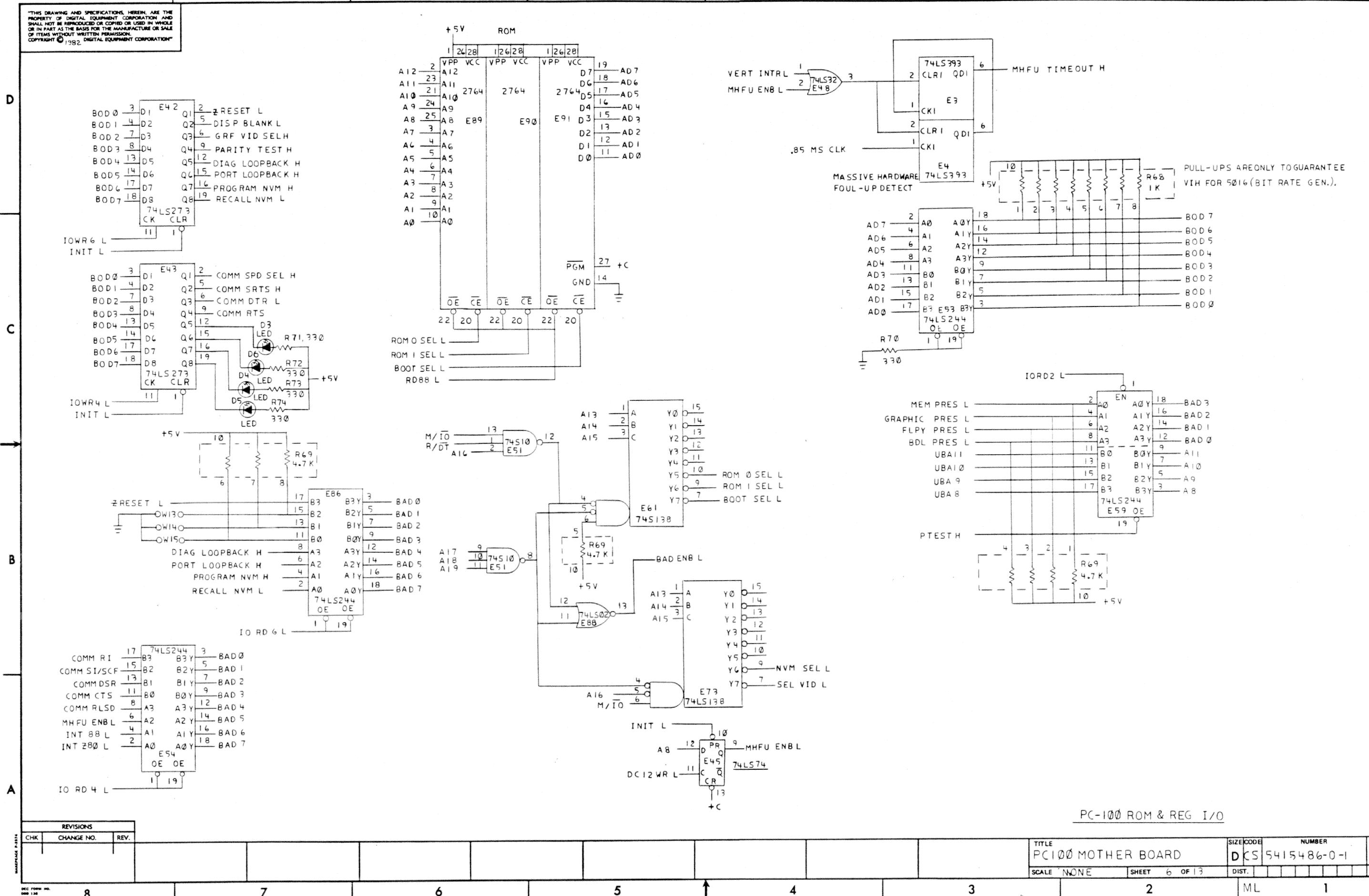
D

REV. E



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8 7 6 5 4 3 E I-0-985415CS 2 1



PC-100 ROM & REG I/O

REVISED DATA		
CHK	CHANGE NO.	REV.

DEC FORM NO. 000-124

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REVISIONS

CHANGES

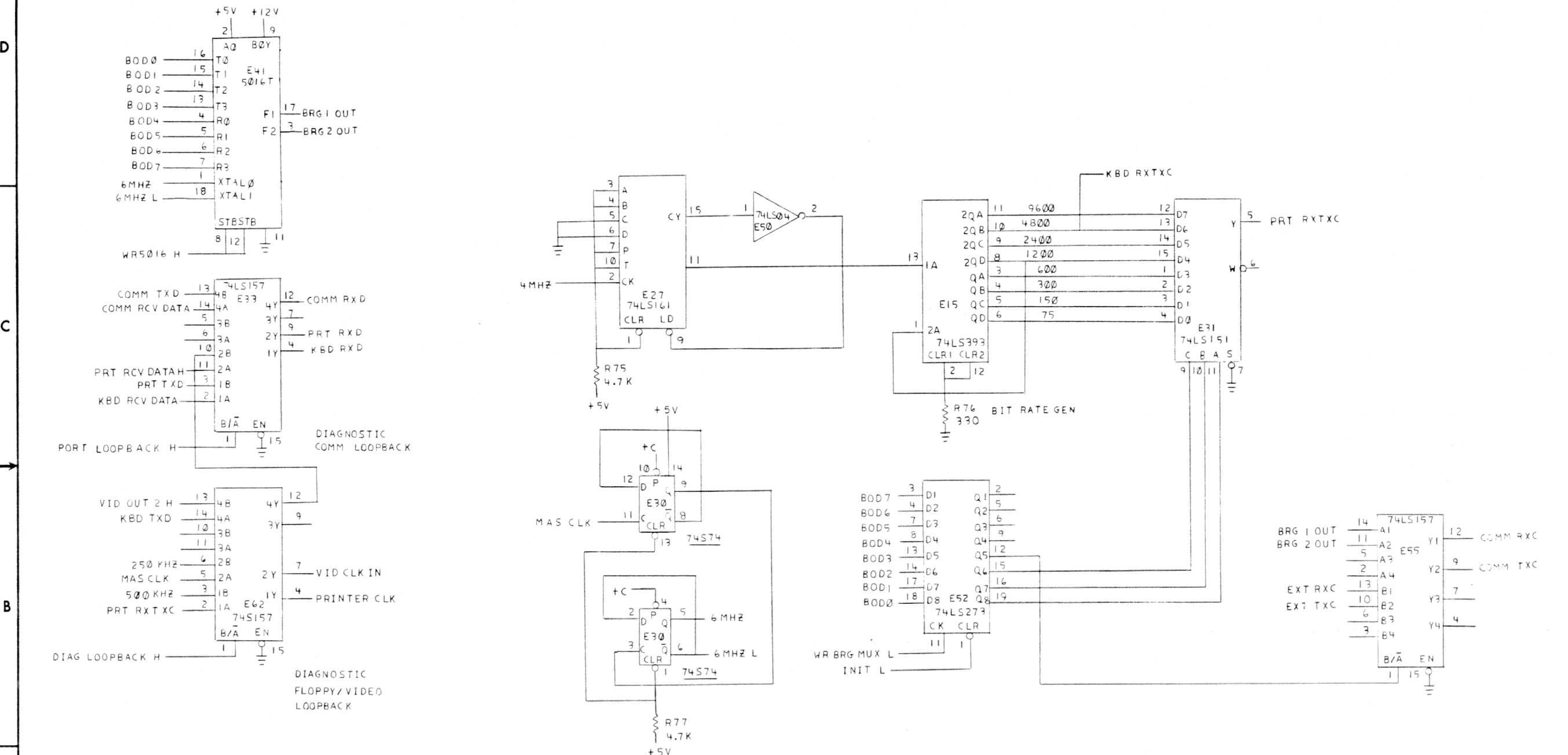
REV.

SCALE	NONE	SHEET	6 OF 13	DIST.
SIZE CODE	5415486-0-1	NUMBER		REV.

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2

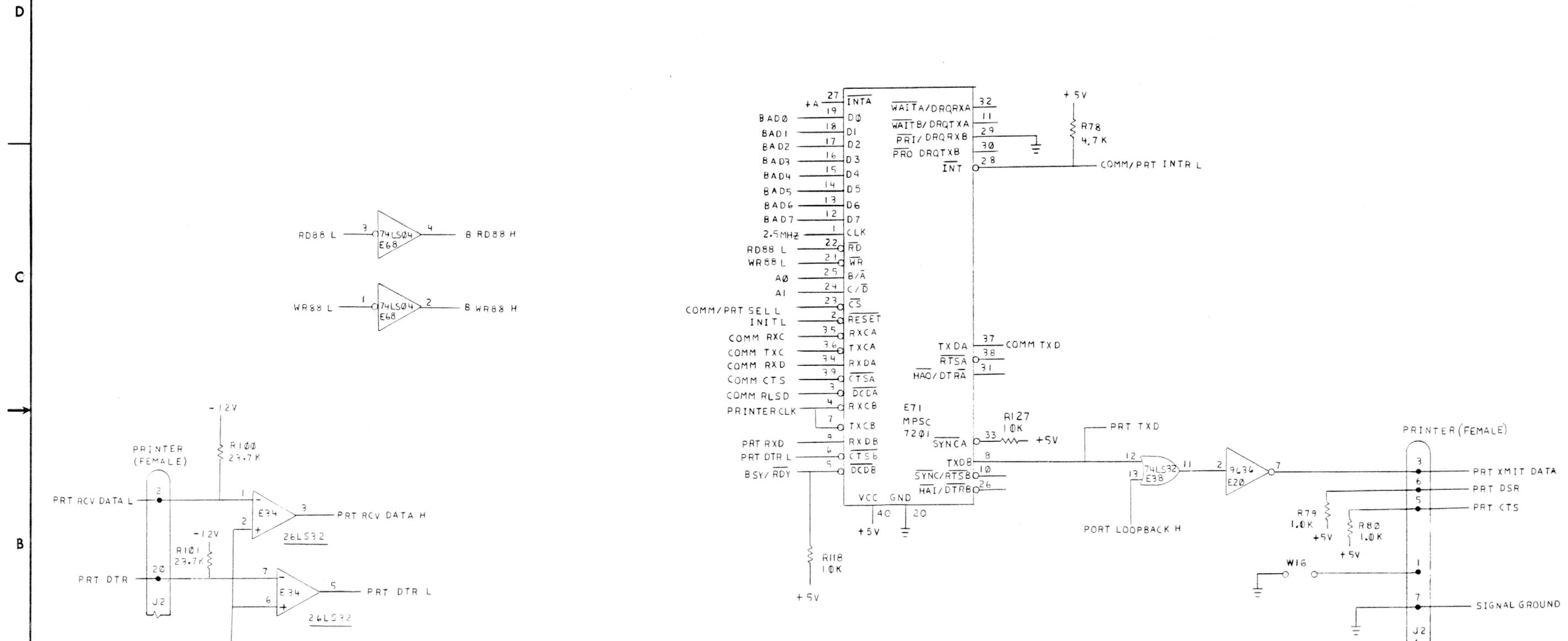
1



PC-100 BIT RATE GEN.

REVISIONS			TITLE						SIZE	CODE	NUMBER	REV.
CHK	CHANGE NO.	REV.	PC100 MOTHER BOARD						D	CS	5415486-0-1	E
									SCALE NONE	SHEET 7	OF 13	DIST.

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PC-100 COMM &amp; PRINTER MPSC

REVISIONS		
CHK	CHANGE NO.	REV.

MAKERSPEC P-2374	TITLE	SIZE CODE	NUMBER	REV.
	PC100 MOTHER BOARD	D	DCS5415486-0-1	E
	SCALE NONE	SHEET	8 OF 13	DIST.

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D

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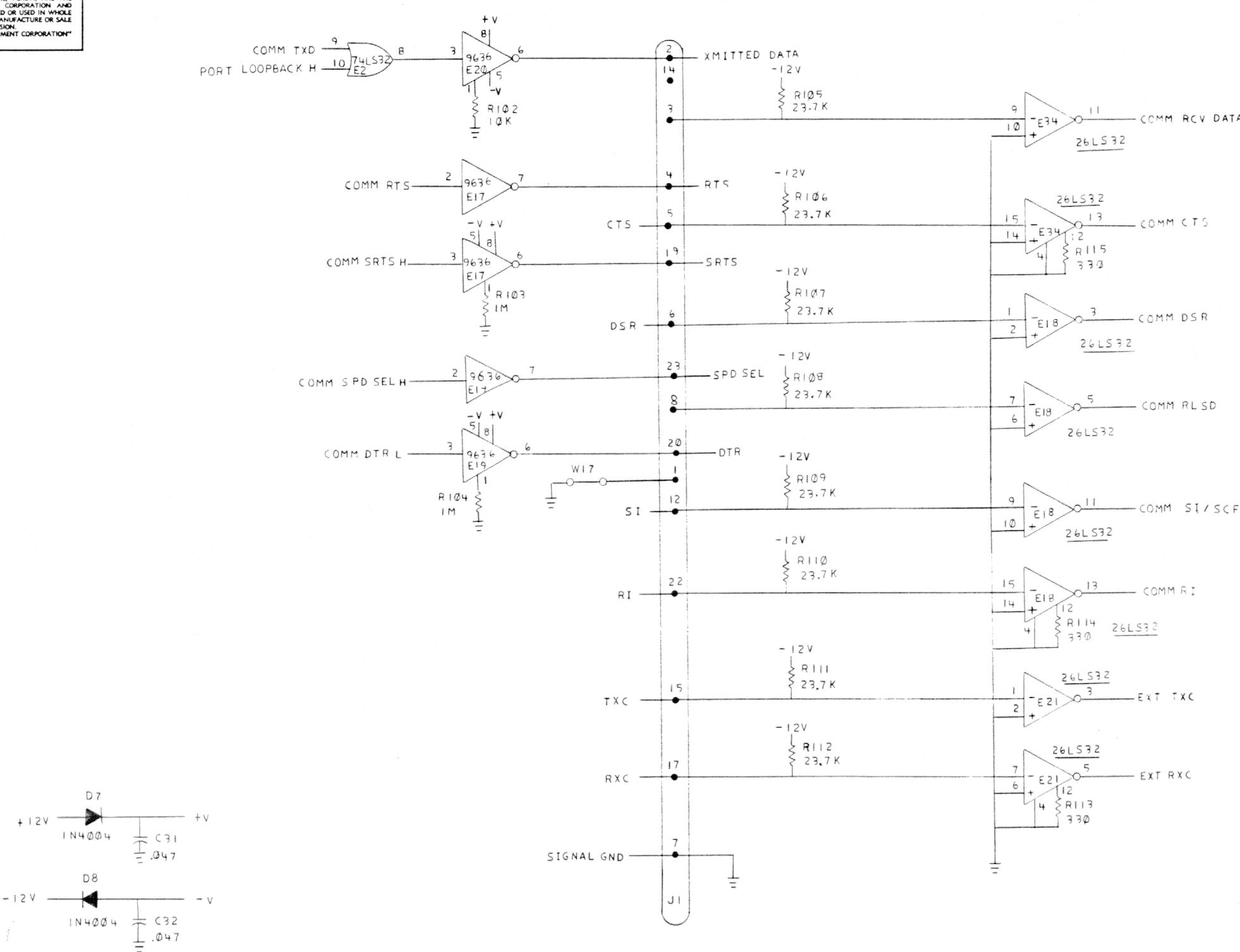
C

B

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PC-100 COMM PORT

REVISIONS		
CHK	CHANGE NO.	REV.

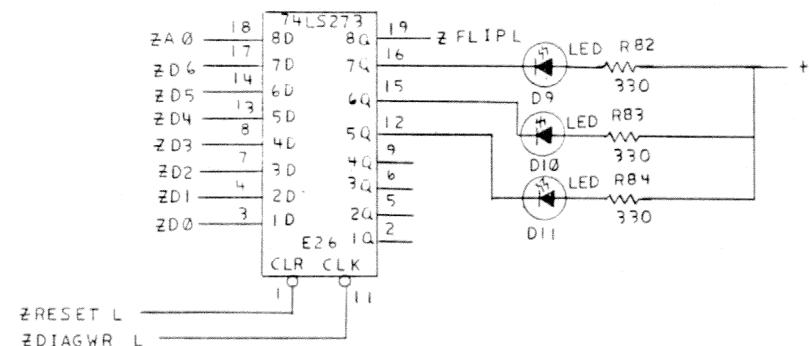
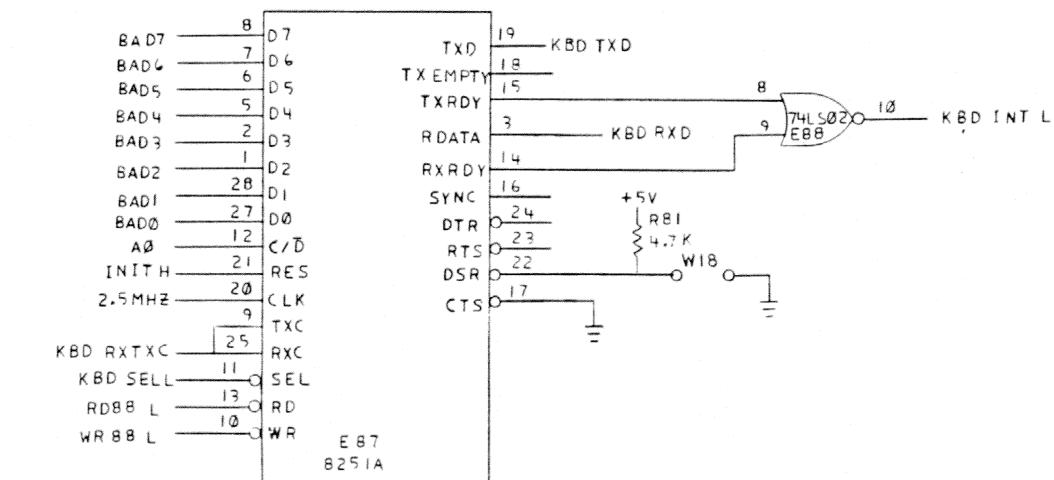
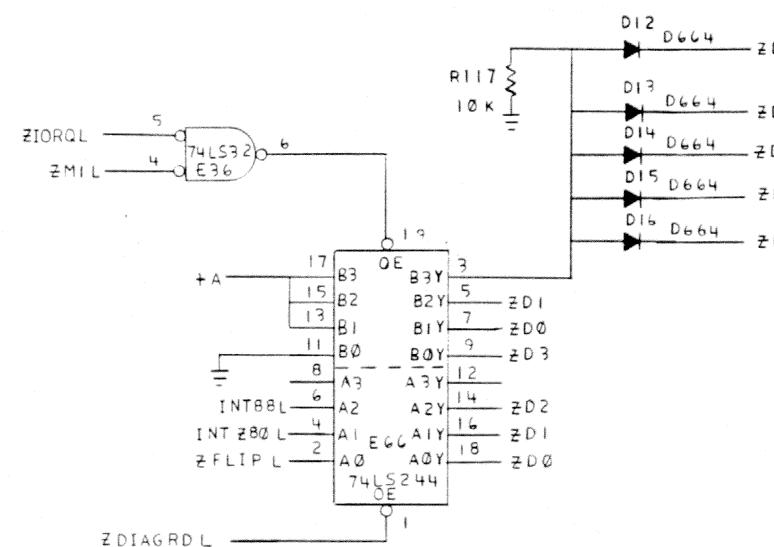
TITLE  
PC100 MOTHER BOARD  
SCALE NONE

SIZE CODE NUMBER  
D CS 5415486-0-1 E  
REV.  
DIST.

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D

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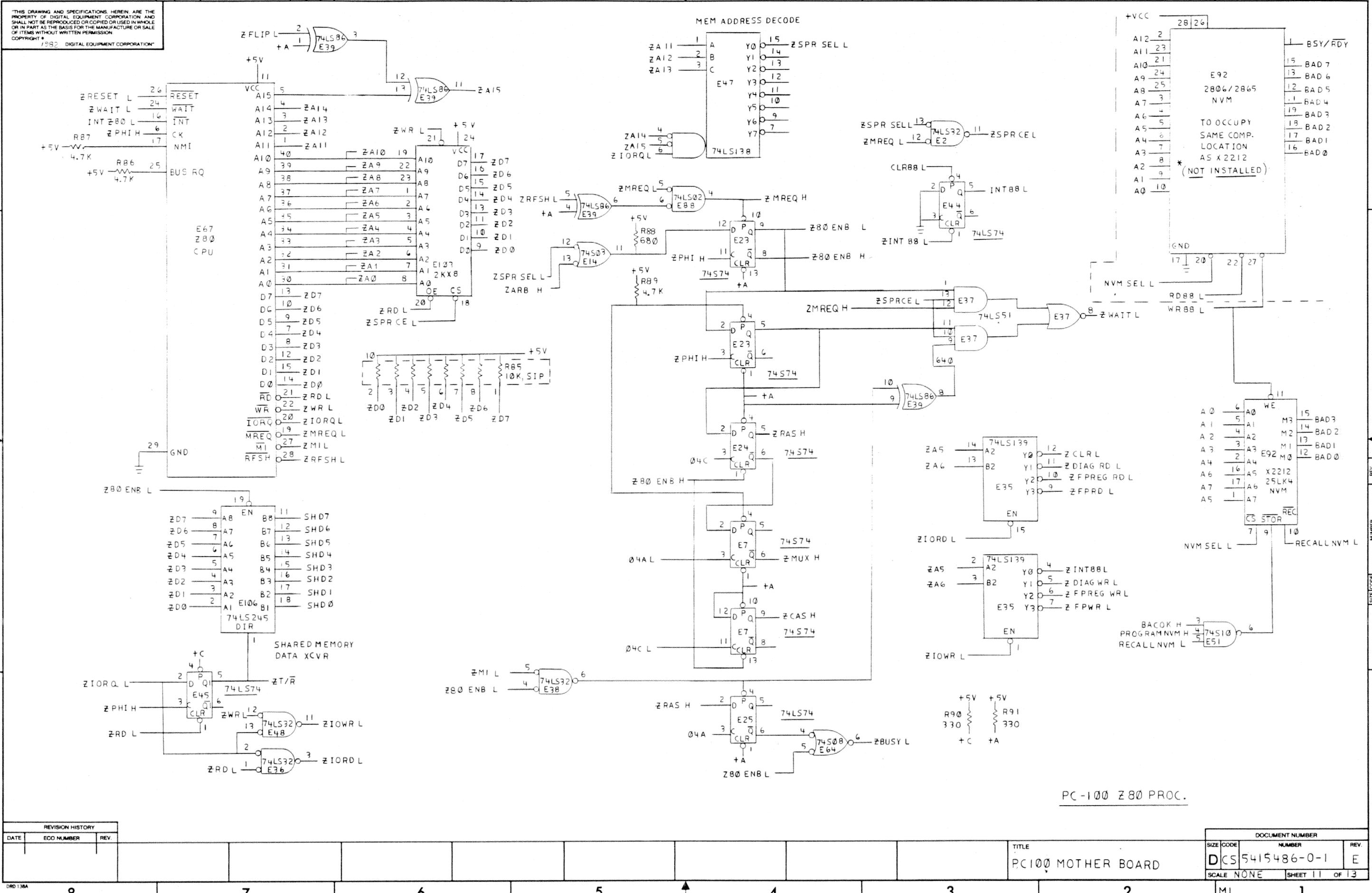


### PC-100 KYBD/Z DIAGNOSTIC

REVISION HISTORY		
DATE	ECO NUMBER	REV.

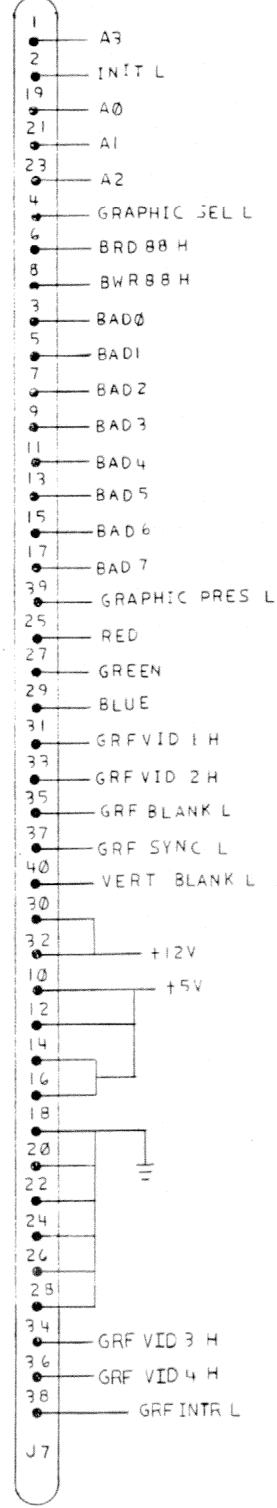
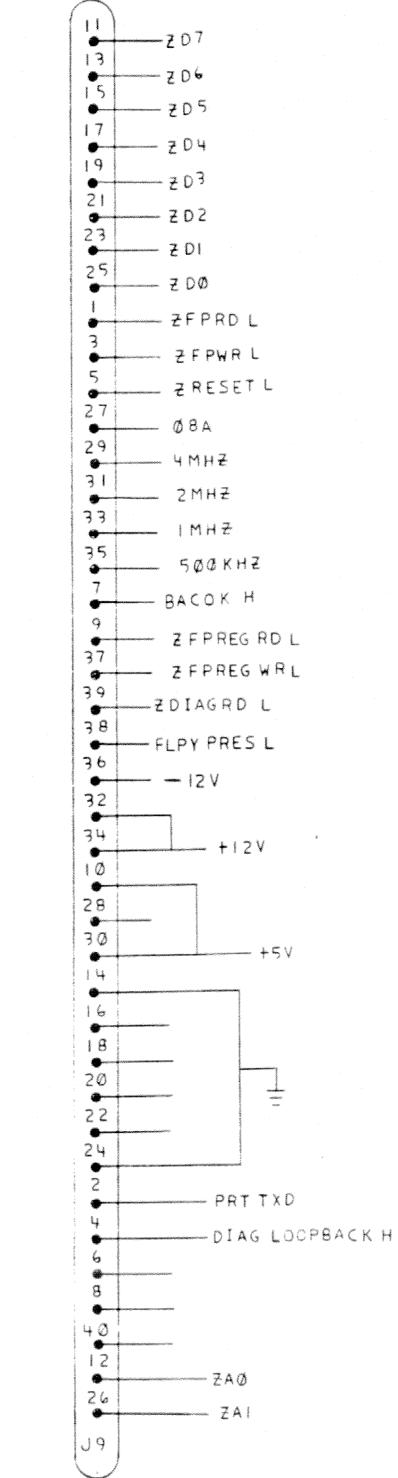
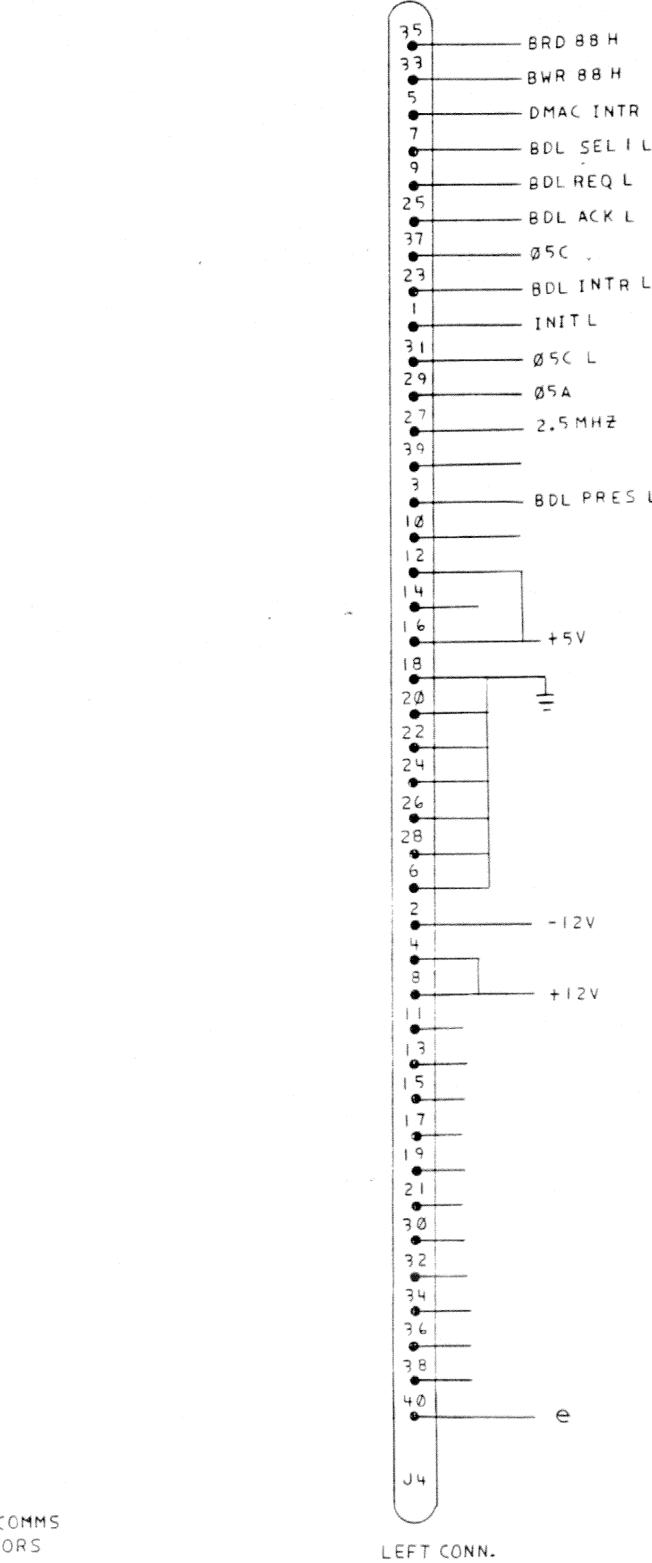
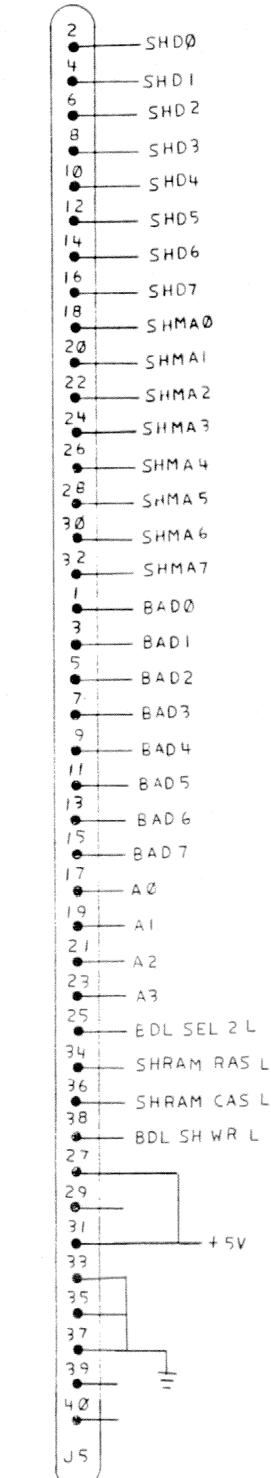
DOCUMENT NUMBER  
PC100 MOTHER BOARD

SIZE	CODE	NUMBER	REV.
DCS	5415486-0-1	E	



PC-100 Z80 PROC.

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### PC-100 INTERCONNECT

REVISION HISTORY		
DATE	ECO NUMBER	REV.

ORD138A

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1

DOCUMENT NUMBER  
SIZE CODE DCS 5415486-0-1 REV.  
TITLE PC100 MOTHER BOARD

SIZE CODE	NUMBER	REV.
DCS 5415486-0-1	E	

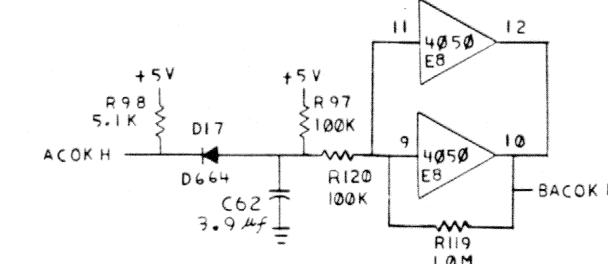
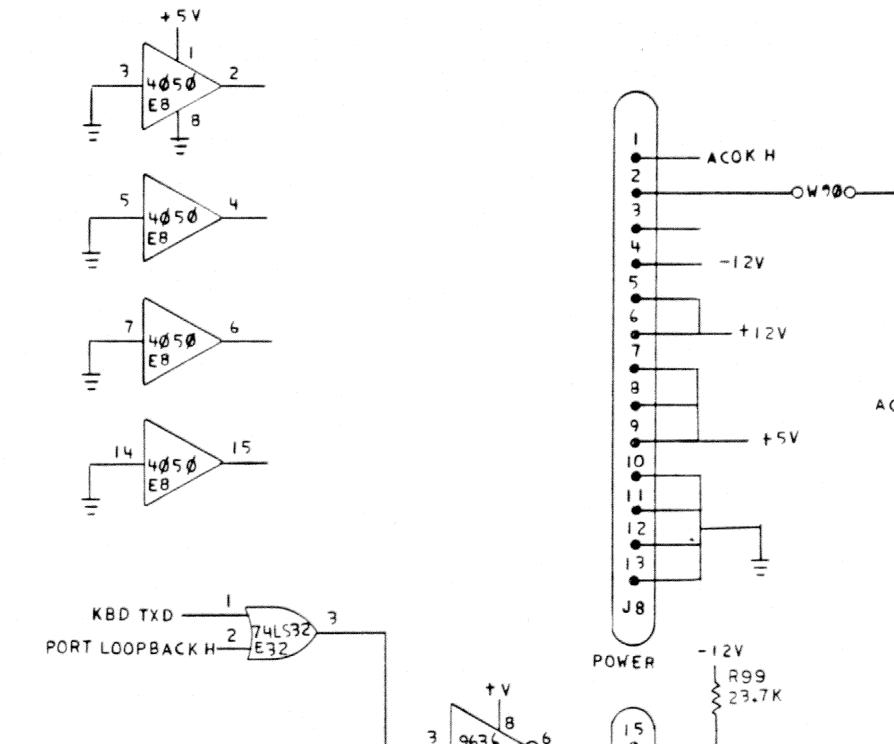
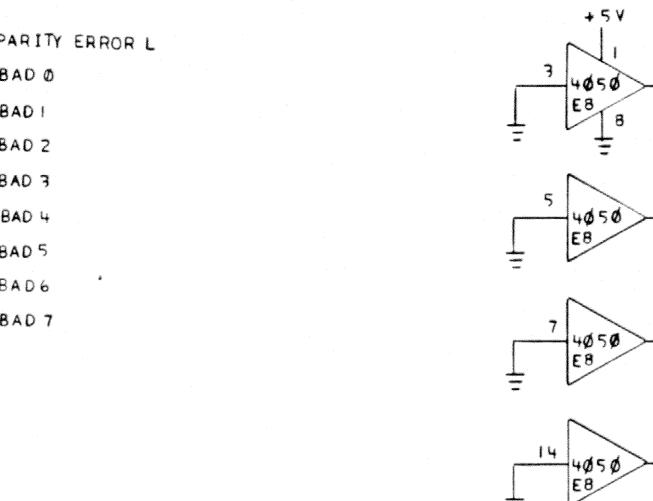
SCALE NONE SHEET 12 OF 12

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## MEMORY OPTION CONN



26	PARITY ERROR L
50	BAD 0
48	BAD 1
46	BAD 2
44	BAD 3
42	BAD 4
40	BAD 5
38	BAD 6
36	BAD 7
13	A 0
8	A 1
16	A 2
11	A 3
22	A 4
17	A 5
6	A 6
15	A 7
10	A 8
18	A 9
12	A 10
21	A 11
19	A 12
9	A 13
14	A 14
7	A 15
31	DO RFSH L
33	RFSH DONE H
20	MUX88 H
34	INIT L
39	R/DT
4	RAS88 H
23	RFSH RASH
24	PARITY TEST H
37	CAS88 H
30	eL
29	MEM PRES L
J6	



KBD RCV DATA  
KBD RCV DATA

## PC-100 INTERCONNECT

REVISION HISTORY		
DATE	ECO NUMBER	REV.
DD/1984		

DOCUMENT NUMBER		
SIZE	CODE	NUMBER
DCS	5415486-0-1	E

SCALE NONE SHEET 13 OF 13

TITLE  
PC100 MOTHER BOARD

ML 1

B	CODE	5415482-0	D
REV.			

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS			
				A	B	C	C1
		5415482-00	PC100 RX50 CONTROLLER				
E-UA-5415482-0-0	1		PC100 RX50 CONTROLLER	A	B	C	C
D-CS-5415482-0-1	2		PC100 RX50 CONTROLLER	A	B	c	C
K-PL-5415482-0-DBP	2		PC100 RX50 CONTROLLER	A	B	c	C
K-PC-5415482-0-DBC			P.C. DESIGN DATA BASE	B	B	c	C
B-DD-5015481-0-0	1		DRAWING DIRECTORY	--	A	B	
K-SP-5415482-0 - DBP	22		PC100 RX50 CONTROLLER SPEC.	--	--	A	

NOTES:

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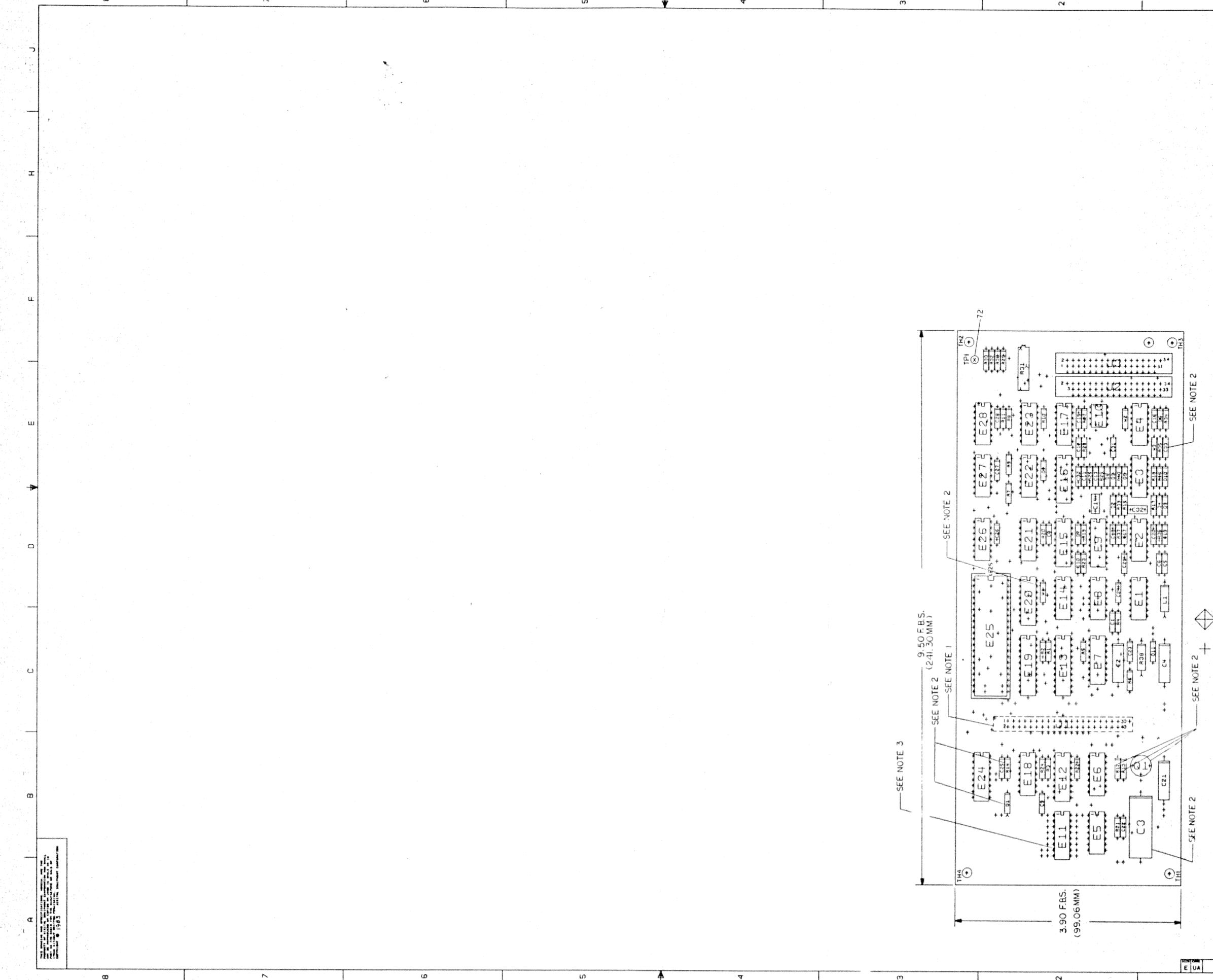
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DATE	CHG NO.	REV.
7/82	INT.	A
1/83	ML0001	B
3/83	ML0002	C
6/83	ML0003	D

USED ON OPTION/MODEL  
PC100

DRN.	J. COTE	13JUL82	TITLE
CHK'D	J. COTE	13JUL82	PC100 RX50 CONTROLLER
ENG.	D. LEBLANC	13JUL82	SIZE CODE
PROD.	E. TOMPKINS	13JUL82	NUMBER
			5415482-0
			REV.
			D
		SHEET 1 OF 1	



CHANGING NUMBER		
1	2	3
4	5	6
7	8	9
REMARKS		
C1-P1		
EUA		
A B C D E F G H J		

1 5015482-0-0  
2 5015482-0-0  
3 5015482-0-0

SIGNATURES  
DIN. /  
CHG. /  
TECH. /  
PROJ. /  
PROD. /  
SCALE /  
SIZE CODE /  
S/N /  
DATE /  
TITLE /  
NUMBER /  
REV. /

digital  
FCICO RX50  
CONTROLLER  
27244  
H

J

AUTOMATED BY PRTLST.3P(44)

## PARTS LIST

SHEET A1 OF A2

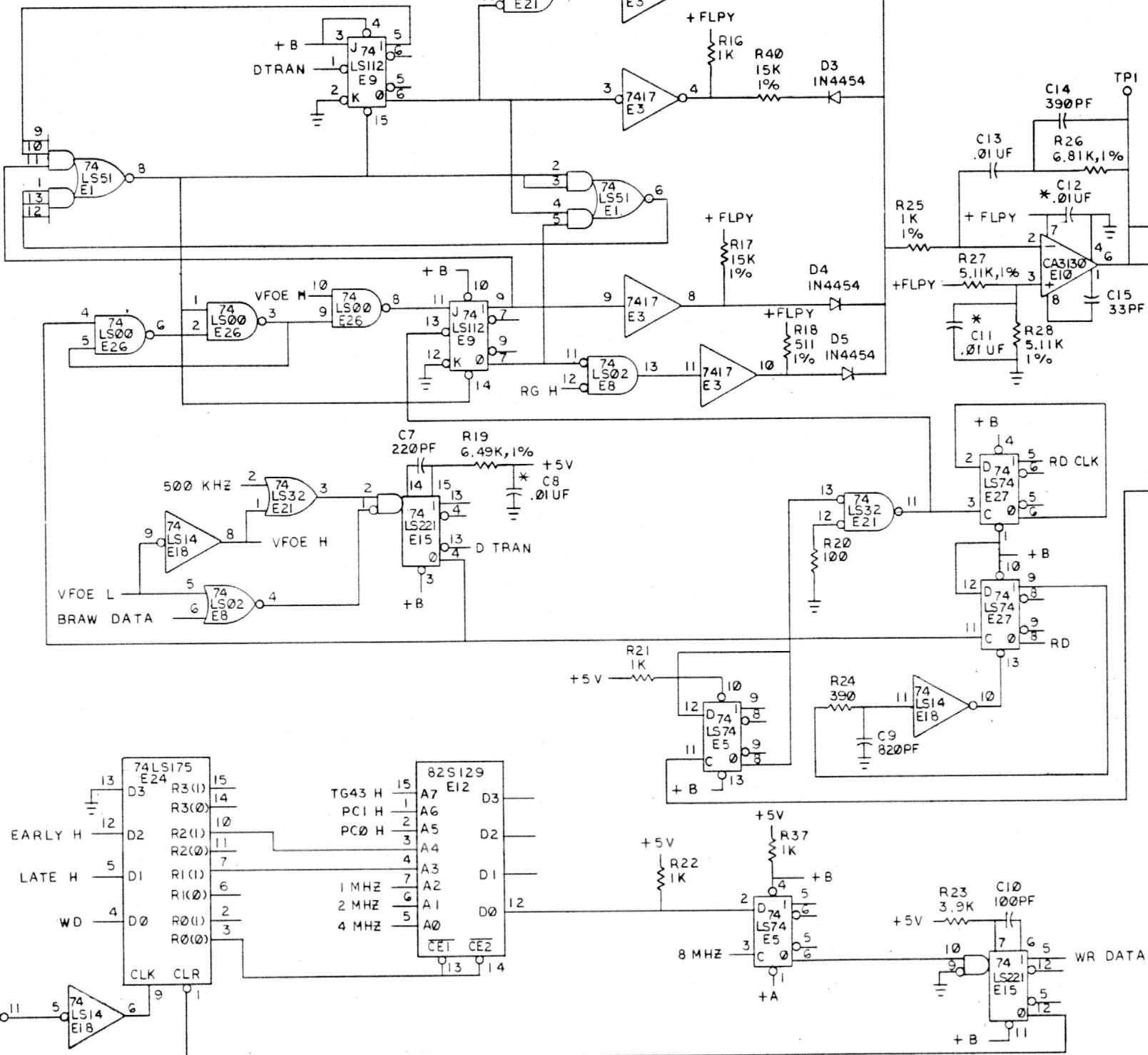
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5015481-0-0	5015481-00	CIRCUIT DRILL & ETCH	1	
2	2		1000022-00	270.0 MMF 100V 5%200PPM MICA	1	
3	3		1001610-00	.01 MFD 50V +80-20% Z5U CER	10	
4	4		1001631-00	390.0 MMF 100V 5%200PPM MICA	1	
5	5		1005306-00	6.8MFD 35V 10% S.TANT	1	
6	6		1012084-03	*** THIS ITEM IS NOT USED ***	-	
7	7		1012784-00	.047 MFD 50V +80-20% CER	10	
8	8		1013466-04	3.0 MMF 50V 5% CER	1	
9	9		1013466-06	10.0 MMF 50V 5% CER	2	
10	10		1013466-07	220.0 MMF 50V 5% CER	1	
11	11		1013466-19	470.0 MMF 50V 5% CER	1	
12	12		1013466-27	820.0 MMF 50V 5% X7R CER	1	
13	13		1017472-00	10 MFD 35V +50-10% AL EL	2	
14	14		1102421-01	DEC 753 VZ= 6.2 1% .40W	1	
15	15		1110488-00	*** THIS ITEM IS NOT USED ***	-	
16	16		1110994-00	1N 751A VZ= 5.1 5% .40W	1	
17	17		1111577-00	1N 4454 TR= 4NS PIV= 50 S	6	
18	18		1215006-02	*** THIS ITEM IS NOT USED ***	-	
19	19		1215006-08	SKT, IC 40PIN DIP TIN SOLD	1	
20	20		1219065-00	*** THIS ITEM IS NOT USED ***	-	
21	21		1219952-01	*** THIS ITEM IS NOT USED ***	-	
22	22		1300229-00	100.0 .25 W 5.0 % CF	1	R20
23	23		1300250-00	150.0 .25 W 5.0 % CF	5	R7-R11
24	24		1300274-00	220.0 .50 W 5.0 % CF	1	R38
25	25		1300309-00	390.0 .25 W 5.0 % CF	1	R24
26	26		1300365-00	1.0 K .25 W 5.0 % CF	6	R6,R15,R16,R21,R22,R37
27	27		1300444-00	3.90 K .25 W 5.0 % CF	2	R4,R23
28	28		1300447-00	*** THIS ITEM IS NOT USED ***	-	
29	29		1300479-00	10.0 K .25 W 5.0 % CF	3	R1-R3

REVISION HISTORY			BASIC PART NO: 5415482		DRN:	R.Z. BUREAU	DATE: 31-MAR-82	D	I	G	I	T	A	L
ENG:	ECO NUMBER	REV	SECTION A OF A		CHK'D:	J. LEPKOWSKI	DATE: 31-MAR-82	TITLE		PARTS LIST				
			SECTION VARIATION INDEX						PC100 RX50 CONTROLLER					
INITIAL			A	[A] 00	DES.ENG:	DAN LEBLANC	DATE: 12-JUL-82							
DL	5415482-ML001		B	[B]	RESP.ENG.:	DAN LEBLANC	DATE: 12-JUL-82							
DL	5415482-ML002		C	[C]	MFG.ENG.:	ED TOMPKINS	DATE: 12-JUL-82	K	PL	5415482-0-DBP	DOCUMENT NUMBER			
			D	[D]							REV			
			E	[E]										
			F	[F]										
			G	[G]										
			H	[H]										
			J	[J]										
			K	[K]										
			L	[L]										
			M	[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #			
			N	[N]	D-UA-5415482-0-0	#D-BB-5415482-0	Z4363C.PLS	21						
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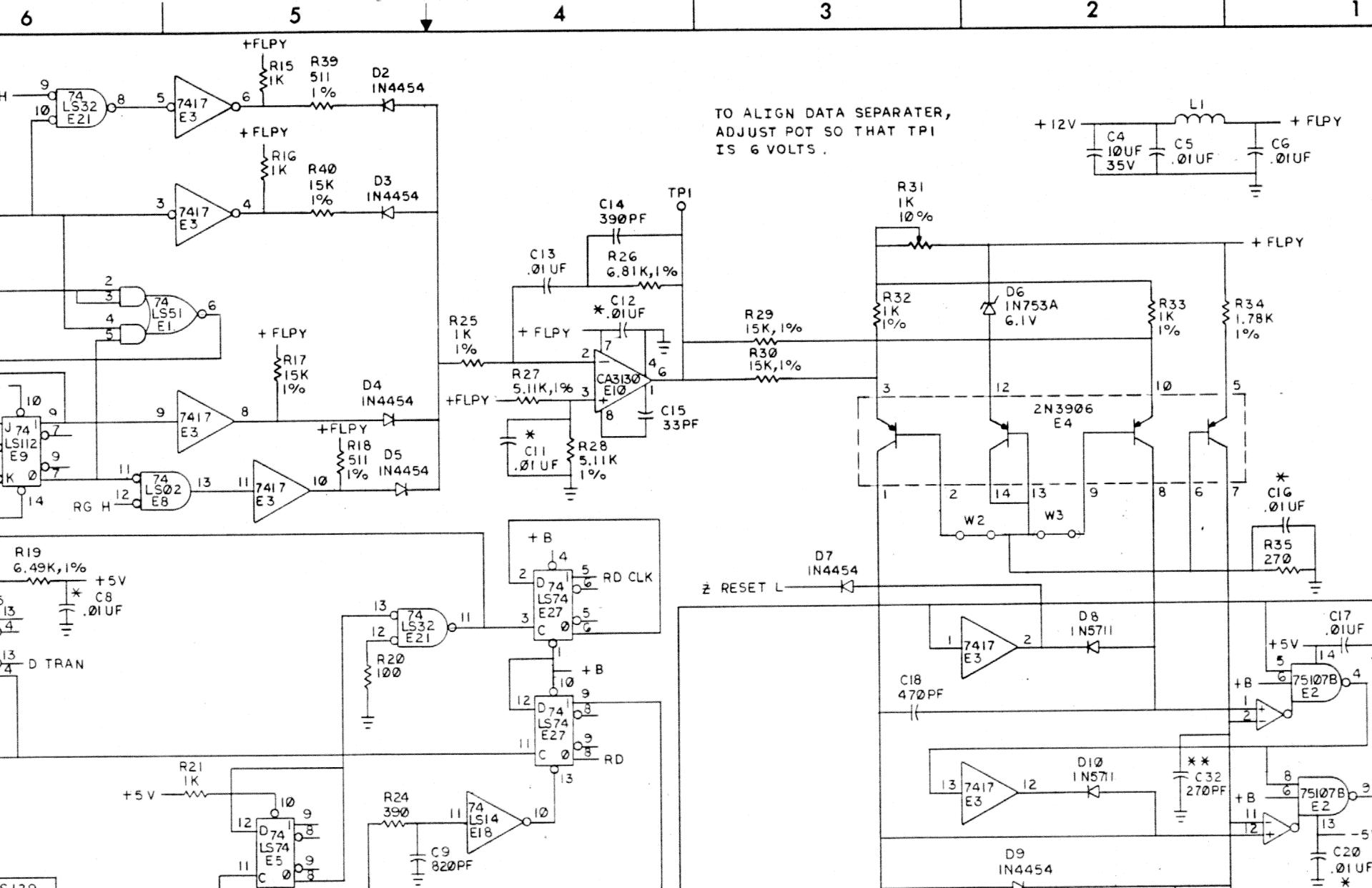
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	PARTS LIST	QTY PER VARIATION	REFERENCE DESIGNATOR
30	30	1301972-00	270.0 .25 W 5.0 % CF	1	R35	
31	31	1302395-00	*** THIS ITEM IS NOT USED ***	-		
32	32	1302411-00	511.0 .25 W 1.0 % RN55D-F10	2	R18,R39	
33	33	1302612-00	1.78 K .25 W 1.0 % RN55D-F10	1	R34	
34	34	1302872-00	681.0 .25 W 1.0 % RN55D-F1	1	R36	
35	35	1303114-00	1.0 K .25 W 1.0 % RN55D-F10	3	R25,R32,R33	
36	36	1304854-00	5.11 K .25 W 1.0 % RN55D-F10	2	R27,R28	
37	37	1304870-00	6.81 K .25 W 1.0 % RN55D-F10	1	R26	
38	38	1309143-07	1.0 K .75 W10.0 % POT	1	R31	
39	39	1313752-00	15.0 K .25 W 1.0 % RN55D-F10	4	R17,R40,R29,R30	
40	40	1317399-00	6.49 K .25 W 1.0 % RN55D-F10	1	R19	
41	41	1510706-00	*** THIS ITEM IS NOT USED ***	-		
42	42	1517999-00	3906 PNP 900MW ARRAY 14PIN	1	E4	
43	43	1618238-02	BEAD,FERRITE .1380DX.330LG	1	L1	
44	44	1909929-00	7417 BUFFER GATE-HEX 1INP	1	E3	
45	45	1910268-00	DEC 75107B RECEIVER,LINE,DUAL,	1	E2	
46	46	1911219-00	7438 NAND GATE-QUAD 2IN,B	3	E17,E22,E23	
47	47	1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2	E14,E26	
48	48	1912801-00	LS02 NOR-GATE-QUAD 2IN	1	E8	
49	49	1912816-00	LS32 OR GATE-QUAD 2IN,POS	2	E21,E28	
50	50	1912820-00	LS51 A-O-I GATE 2-WIDE 2I	2	E1,E6	
51	51	1912824-00	LS74 FF-D DUAL,EDGE TRIGG	2	E5,E27	
52	52	1912834-00	LS112 FF-JK,DUAL,EDGE TRIG	1	E9	
53	53	1912848-00	LS158 MUX 1 OF 2 (QUAD)	1	E16	
54	54	1912853-00	LS175 FF-D QUAD	1	E24	
55	55	1912858-00	LS221 ONE SHOT-DUAL,SCHMIT	2	E7,E15	
56	56	1912863-00	LS273 FF-D OCTAL W/CLEAR	1	E19	
57	57	1913414-00	LS14 INVERTER GATE-HEX SC	1	E18	
58	58	1913471-00	LS367 DRIVER,BUS,HEX,TRI-	1	E20	
59	59	1914466-00	3130E OP AMP MOS/FET IN,CM	1	E10	
60	60	1915193-00	LS244 DRIVER,LINE,OCTAL,T	1	E13	
61	61	2118823-00	1793-02 FLOPPY DISK FORMAT	1	E25	
62	62	23640A2-00	A2-05,A2-08 RO	1	E12	
63	63	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W2,W3	
64	64	9009743-00	*** THIS ITEM IS NOT USED ***	-		
65	65	9107256-00	*** THIS ITEM IS NOT USED ***	-		
66	66	1300539-00	120.0 K .25 W 5.0 % CF	1	R5	
67	67	1219952-04	PCB HEADER 34PIN(2X17).100CC STR	1	J3	
68	68	1219952-03	PCB HEADER 34PIN(2X17).100CC STR	1	J2	
69	69	1110603-00	1N 5711 TM=100PS PIV= 70V HM	2	D8,D10	
70	70	9105740-55	*** THIS ITEM IS NOT USED ***	-		
71	71	1219065-03	CONN,P+S 48SKT(2X24).100CC	1	J1	
72	72	1215901-09	PCB,HEADER 01 PIN(1X01).100 CC S	1	TP1	

D	I	G	I	T	A	L	TITLE	PC100 RX50 CONTROLLER	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
									K	PL	5415482-0-DBP	C	

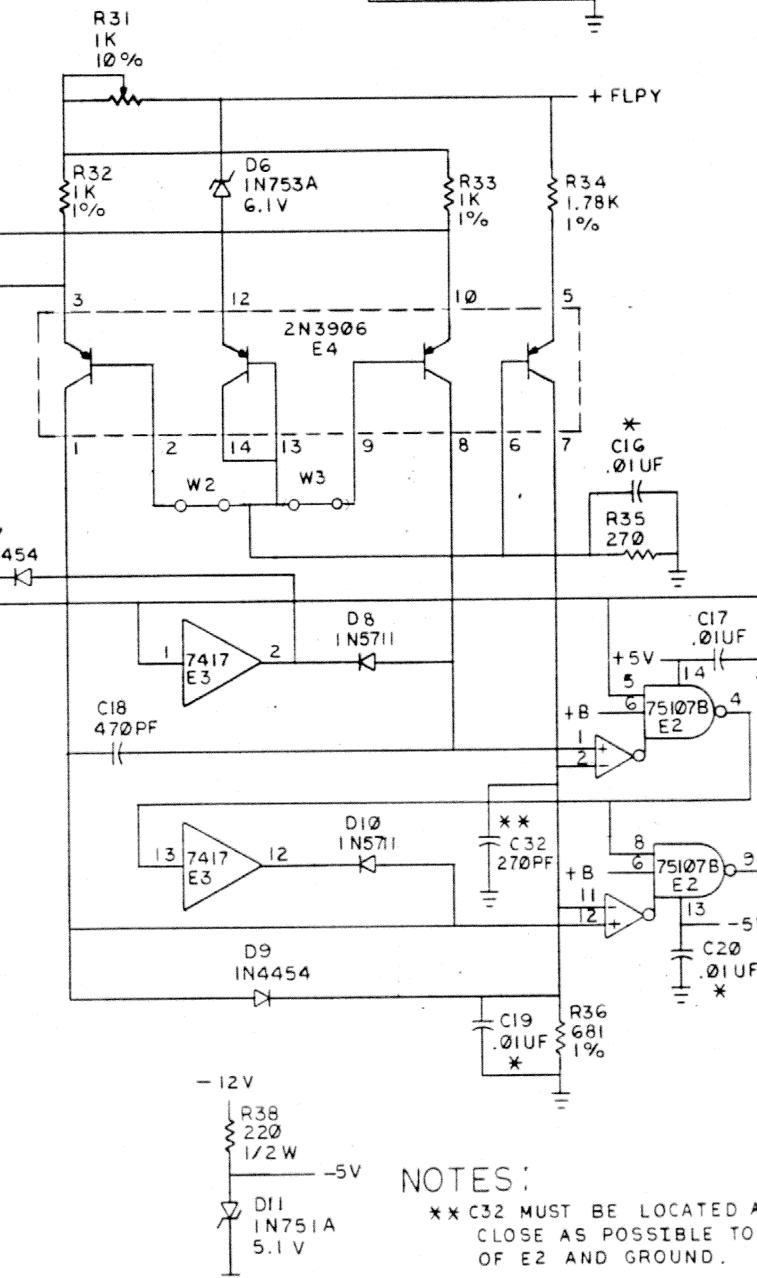
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REVISION HISTORY	
DATE	REV B
ECO NUMBER	5415482-0-1
ECO DATE	1-10-82
DES ENG	John Cole
CHKD BY	John Cole
TEST	D. LEBLANC
DATE	3-16-82
ECO NUMBER	5415482-ML002
ECO DATE	1-10-82
DES ENG	David S. Blane
CHKD BY	David S. Blane
TEST	D. LEBLANC
DATE	3-17-82
ECO NUMBER	5415482-ML003
ECO DATE	3-17-82
DES ENG	David S. Blane
CHKD BY	David S. Blane
TEST	None



TO ALIGN DATA SEPARATOR,  
ADJUST POT SO THAT TPI  
IS 6 VOLTS.

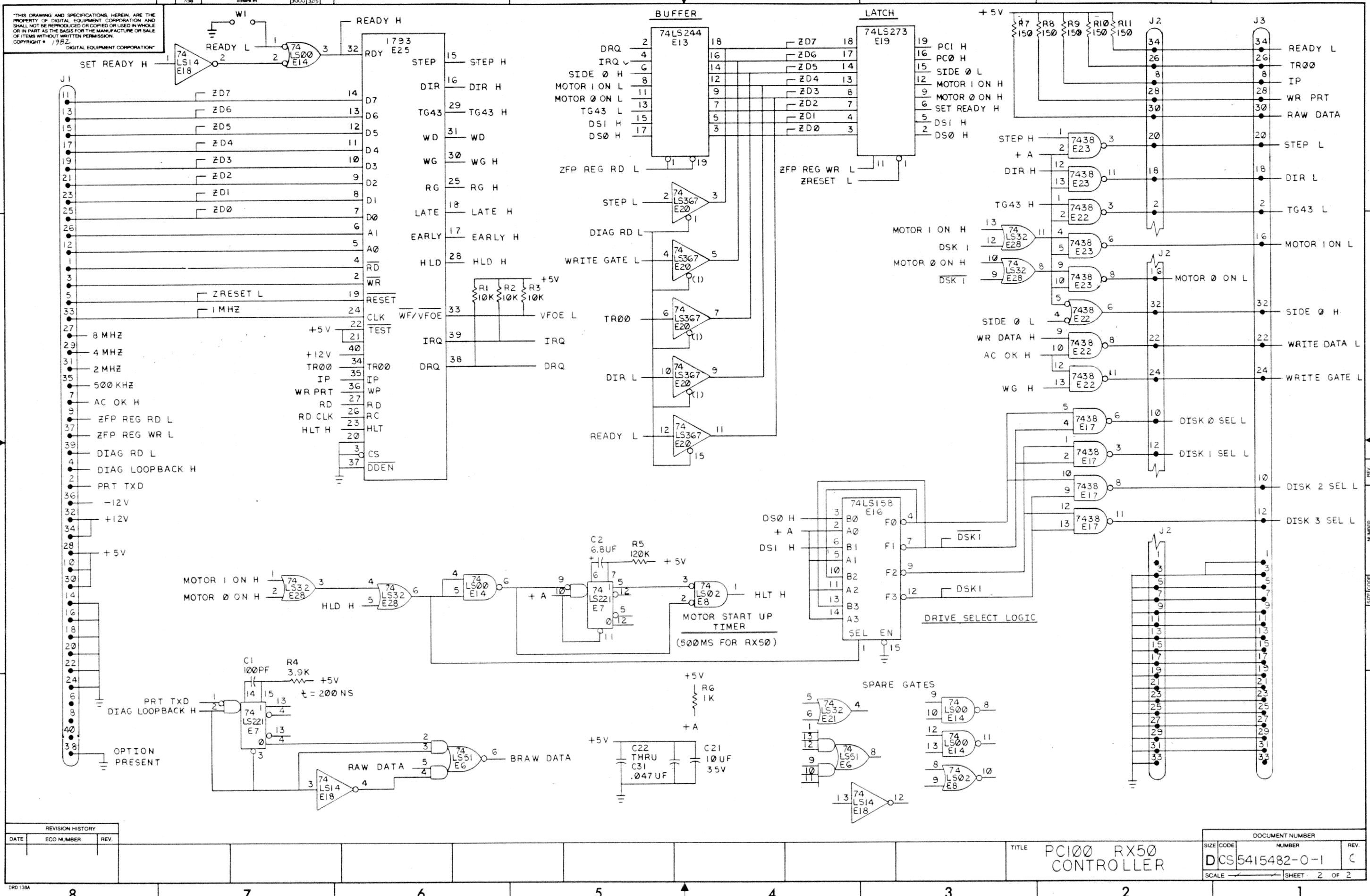


NOTES:

\* C32 MUST BE LOCATED AS CLOSE AS POSSIBLE TO PIN 2 OF E2 AND GROUND.

\* THESE CAPS MUST BE LOCATED AS CLOSE AS POSSIBLE TO THEIR IC, AS WELL AS KEEPING THE ETCH RUN LENGTH TO A MINIMUM.

DRW: <i>John Cole</i>	DATE: 16 July 82	TITLE: digital
CHKD: <i>John Cole</i>	DATE: 13-JUL-82	
DES ENG: <i>David S. Blane</i>	DATE: 12 July 82	
TEST: <i>David S. Blane</i>	DATE: 12 July 82	
MFG ENG: <i>OK Test Lab</i>	DATE: 7-14-82	
DOCUMENT NUMBER: DCS5415482-0-1		
NEXT HIGHER DOC: B-DD-5415482-0		
SCALE: 1:1	SHEET: 1	OF 2



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## FIELD MAINTENANCE PRINT SET

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### TABLE OF CONTENTS

B-TC-BA25-0-1	FIELD MAINTENANCE PRINT SET
B-DD-BA25-0	BA25 (DRAWING DIRECTORY ONLY)
E-UA-BA25-0-0	UNIT ASSY BA25
K-PL-BA25-0-DBP	UNIT ASSY BA25 (PARTS LIST)
<hr/> <del>BA25-0-2</del> <hr/>	

UNIT VARIATIONS  
COVERED BY THIS  
PRINT SET

BA25-A  
BA25-B  
BA25-CA  
BA25-CB  
BA25-AA

### Field Maintenance Print Set

Digital Equipment  
Corporation

Print Set Part Number MP- 01415

REVISION HISTORY	
DATE	ECO NUMBER
DATE	RELEASE
10/83	BA25-MLO01
01/85	BA25-MLO04

DRN. Bob Netto	DATE 24 MAY 82	TITLE digital SMALL SYSTEM UNIT ENCLOSURE
CHK'D. <i>Thomas Charles</i>	DATE 1 Oct 82	
DES. ENG. <i>Don Albano</i>	DATE 1 Oct 82	
RESP. ENG. <i>David Albano</i>	DATE 1 Oct 82	
FIELD SERVICE <i>GARY HOUDESELL</i>	DATE 29 Oct 82	DOCUMENT NUMBER
NEXT HIGHER DOC. B-DD-BA25-0		SIZE   CODE   NUMBER   REV. B   TC   BA25-0-1   C SHEET 1 OF 1

SIZE	CODE	B	DD	NUMBER	BA25-0	REV.	E
------	------	---	----	--------	--------	------	---

DRAWING NO.	NO OF SHTS.	PART NO.	DESCRIPTION	REVISIONS							
		BA25-A	SMALL SYSTEM UNIT ENCLOSURE	A	A1	A2	A3	A4			
		BA25-B	BA25-A, RX50-AA, H7842-A, 120/240V SMALL SYSTEM UNIT ENCLOSURE	A	A1	A2	A3	A3			
		BA25-CA	WITH DC FAN		A1	A1	A2	A2			
		BA25-CB	120/ BA25-CA, RX50-AA, H7842-D, 220-240V		A1	A1	A2	A2			
		BA25-AA	BA25-A, RX50-AA, H7842-D, 120/240 SMALL SYSTEMS UNIT ENCLOSURE					A1			
E-UA-BA25-0-0			SMALL SYSTEMS UNIT ENCLOSURE	A	B	C	D	E			
K-PL-BA25-0-DBP			SMALL SYSTEMS UNIT ENCLOSURE	A	B	C	D	E			
B-TC-BA25-0-1			SMALL SYSTEMS UNIT ENCLOSURE	A	B	B	B	C			
B-PL-BA25-0-2			BA25 SHIPPING LIST	A	B	B	B	INA			
NOTES:											
				REVISION HISTORY							
				DATE	ECO NO.	REV.					
					INITIAL	A					
				16-	BA25-	B					
				NOV 83	ML001						
				20-	BA25-	C					
				AUG. 84	ML002						
				03-	BA25-	D					
				DEC. 84	ML003						
				18-	BA25-	E					
				JAN. 85	ML004						
								DRN.	B.NETTO	DATE	14-MAY-82
								CHK'D	T.CHACKO	DATE	03-SEP-82
								DES. ENG.	D.ALBANO	DATE	01-OCT-82
								RESP. ENG.	D.ALBANO	DATE	01-OCT-82
								MFG. ENG.	B.PORTER	DATE	01-OCT-82
								SIZE	CODE	NUMBER	BA25-0
										REV.	E
										SHEET 1 OF 1	
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								TITLE SMALL SYSTEMS UNIT ENCLOSURE			
								DOCUMENT NUMBER			
								SIZE	CODE	NUMBER	BA25-0
										REV.	E

8

6

5

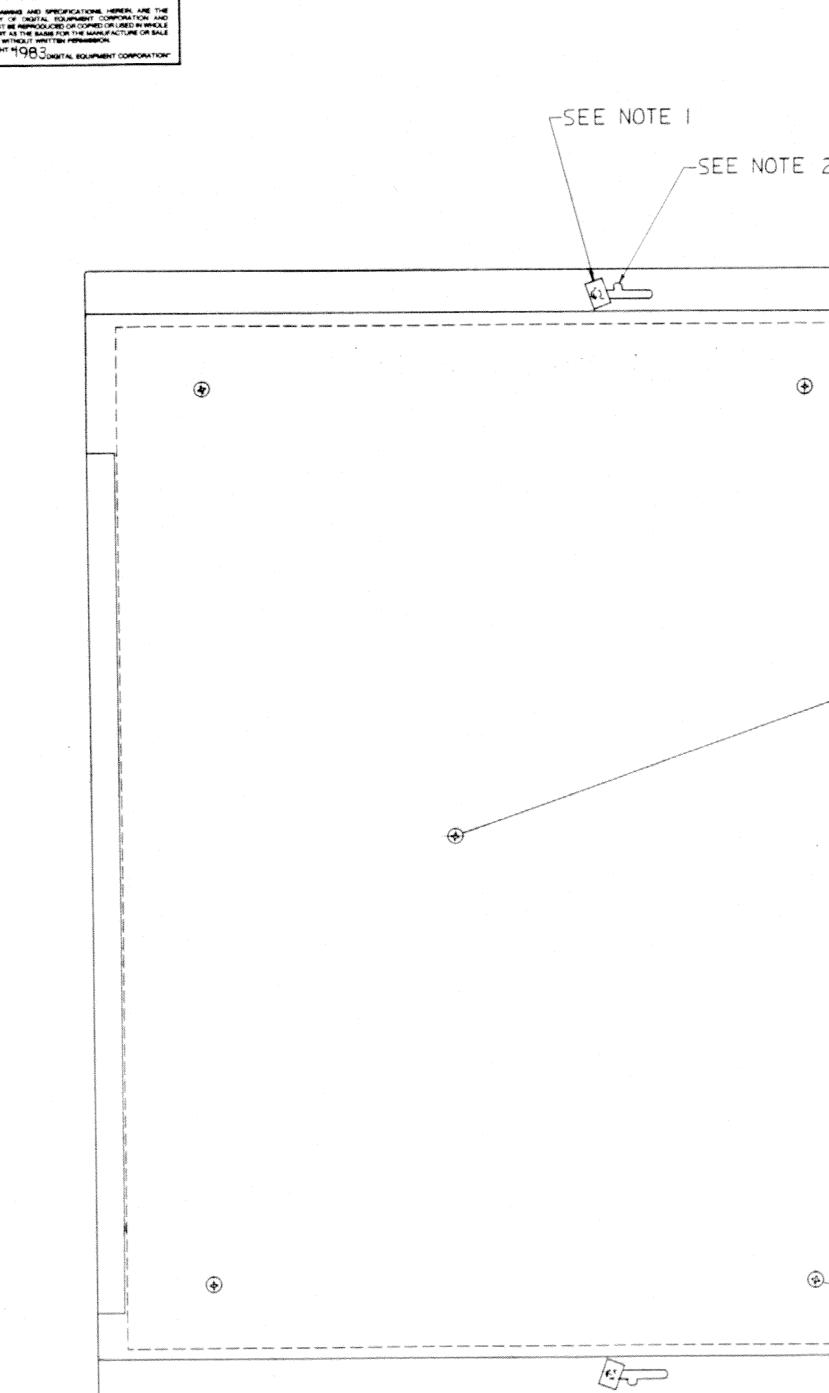
4

3

2

1

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BOTTOM VIEW

LEGEND	
PART NO.	DESCRIPTION
BA25-A	SEE SHT 2
BA25-B	SEE SHT 2
BA25-CA	SEE SHT 3
BA25-CB	SEE SHT 3
BA25-AA	SEE SHT 2

## NOTES:

1. LATCH WIRE, PART OF ITEM 1, IS SHOWN IN LATCHED POSITION.
2. PULL LATCH WIRE BACK AND OUT TO INDICATED POSITION TO REMOVE ITEM 2.
3. CONNECTORS FROM ITEM 5 PLUG INTO ITEM 14.
4. CONNECTOR FROM ITEM 14 PLUGS INTO ITEM 7.
5. DELETED.
6. TO REMOVE ITEM 7, PUSH DOWN ON SPRING TAB (PART OF ITEM 4) AND SLIDE ITEM 7 TOWARD FRONT OF UNIT.
7. ONE CONNECTOR OF CABLE (ITEM 3) PLUGS INTO ITEM 7 WITH DRAIN WIRE ATTACHING TO QUICK-CONNECT ON ITEM 14. OTHER CONNECTOR HANGS FREE WITH ITS DRAIN WIRE ATTACHED TO QUICK-CONNECT ON ITEM 4.
8. DELETED.
9. CONNECTOR FROM ITEM 14 PLUGS INTO ITEM 13 (-CB VAR ONLY).

-A,-B,-AA,-CA & -CB VAR AS SHOWN

CAUTION  
OFF SHEET PARTS LIST EXISTS  
SEE K-PL-BA25-0-DBP (Z4542)

QUANTITY & VARIATION	INCHES TOLERANCES		ANGLE DIMENSION RANGE	SURFACE QUALITY	APPLICABLE DIMENSION RANGE		OVERALL LENGTH	OVERALL HEIGHT	OVERALL WIDTH	OVERALL DEPTH	OVERALL DIAGONAL
	X =	XX =			INDEX ONE	INDEX TWO					
X = ± .1 XX = ± .02 XXX = ± .005	± .02	± .02	± .02	± .02	± .02	± .02	± .02	± .02	± .02	± .02	

MICROHOLES

THIRD ANGLE PROJECTION

(Note: *[Signature]*)

DO NOT SCALE DRAWING

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL SEE PARTS LIST

FINISH

DATE 15 APR 82 TITLE digital

NAME T. Chayy DATE 27 Apr 82

DES ENG David all DATE 27 Apr 82

REV ENG David all DATE 27 Apr 82

MANUFACTURE David all DATE 27 Apr 82

DATE 27 Apr 82

DOCUMENT NUMBER E UJA BA25-0-0 E

REV CODE 841000

NAME J. T. Chayy DATE 27 Apr 82

DATE 27 Apr 82

ITEM NO. 841000

ITEM NO. 841000

ITEM NO. 841000

ITEM NO. 841000

REVISION HISTORY		REV	ECO NUMBER	DATE
INITIAL	A	B	BA25-ML001	15 OCT 81
J. T. CHAYY	B	C	BA25-ML002	15 OCT 81
AL JOHNS	C	D	BA25-ML003	15 OCT 81
AL JOHNS	D	E	BA25-ML004	15 JAN 82
AL JOHNS	F	G	BA25-ML005	15 JAN 82

7

6

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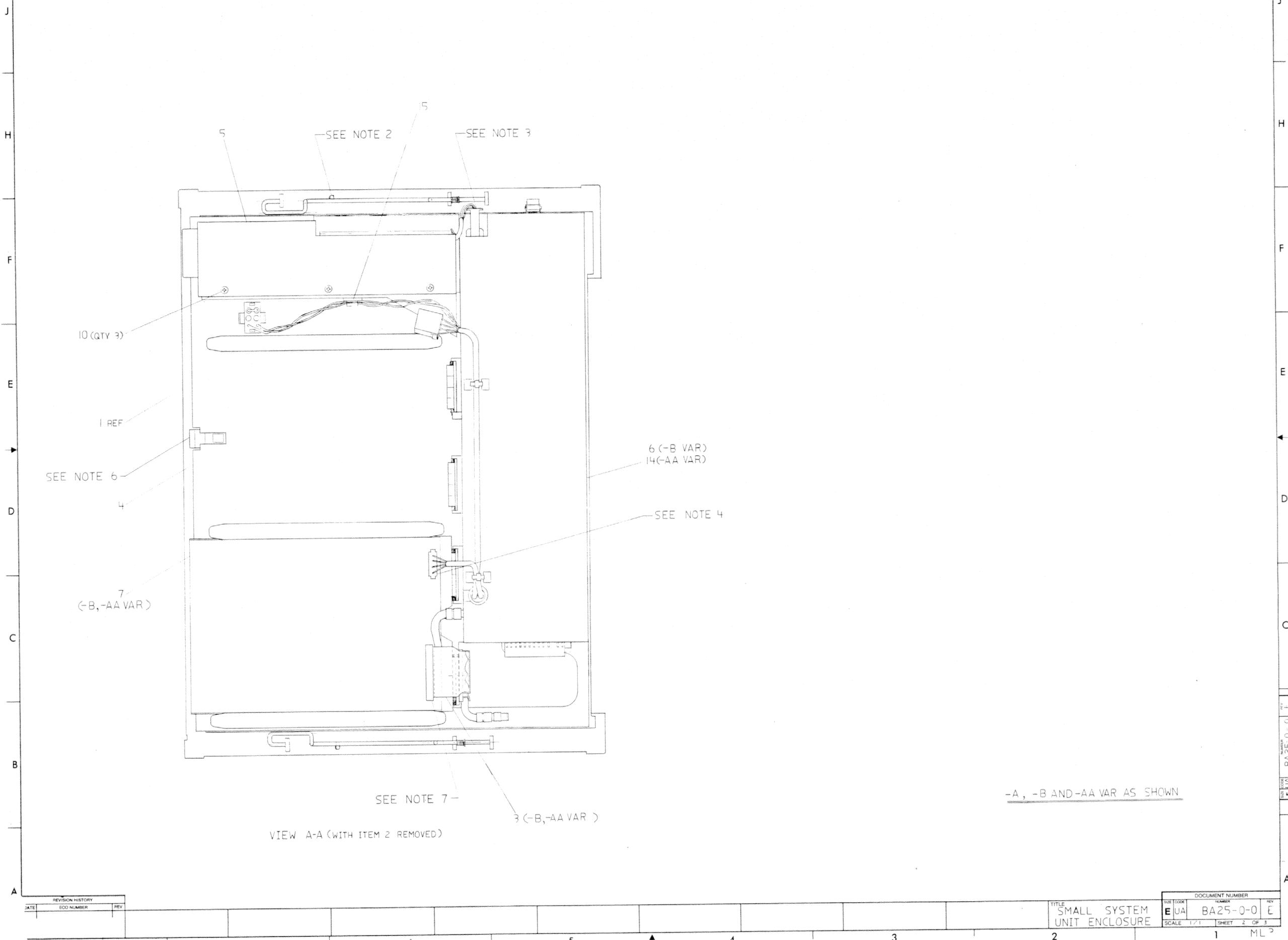
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1

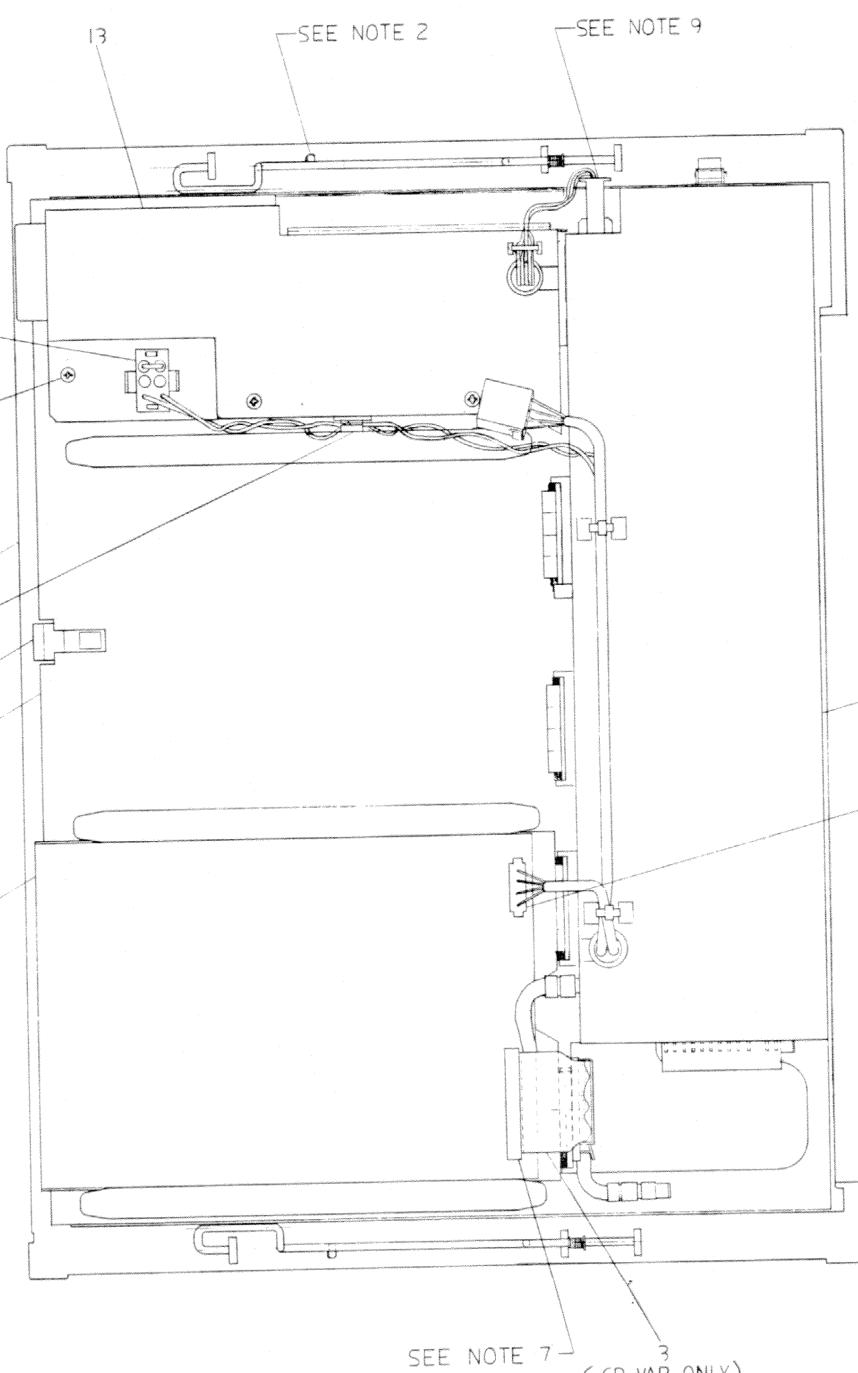
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VIEW A-A (WITH ITEM 2 REMOVED)

-CA AND -CB VAR AS SHOWN

REVISION HISTORY	DATE	ECO NUMBER	REV
ONE TIME			

E UJA BA25-0-0 E

DOCUMENT NUMBER  
E UJA BA25-0-0 E

TITLE SMALL SYSTEM UNIT ENCLOSURE  
SCALE 1/1 SHEET 3 OF 3

1 M.L. 3

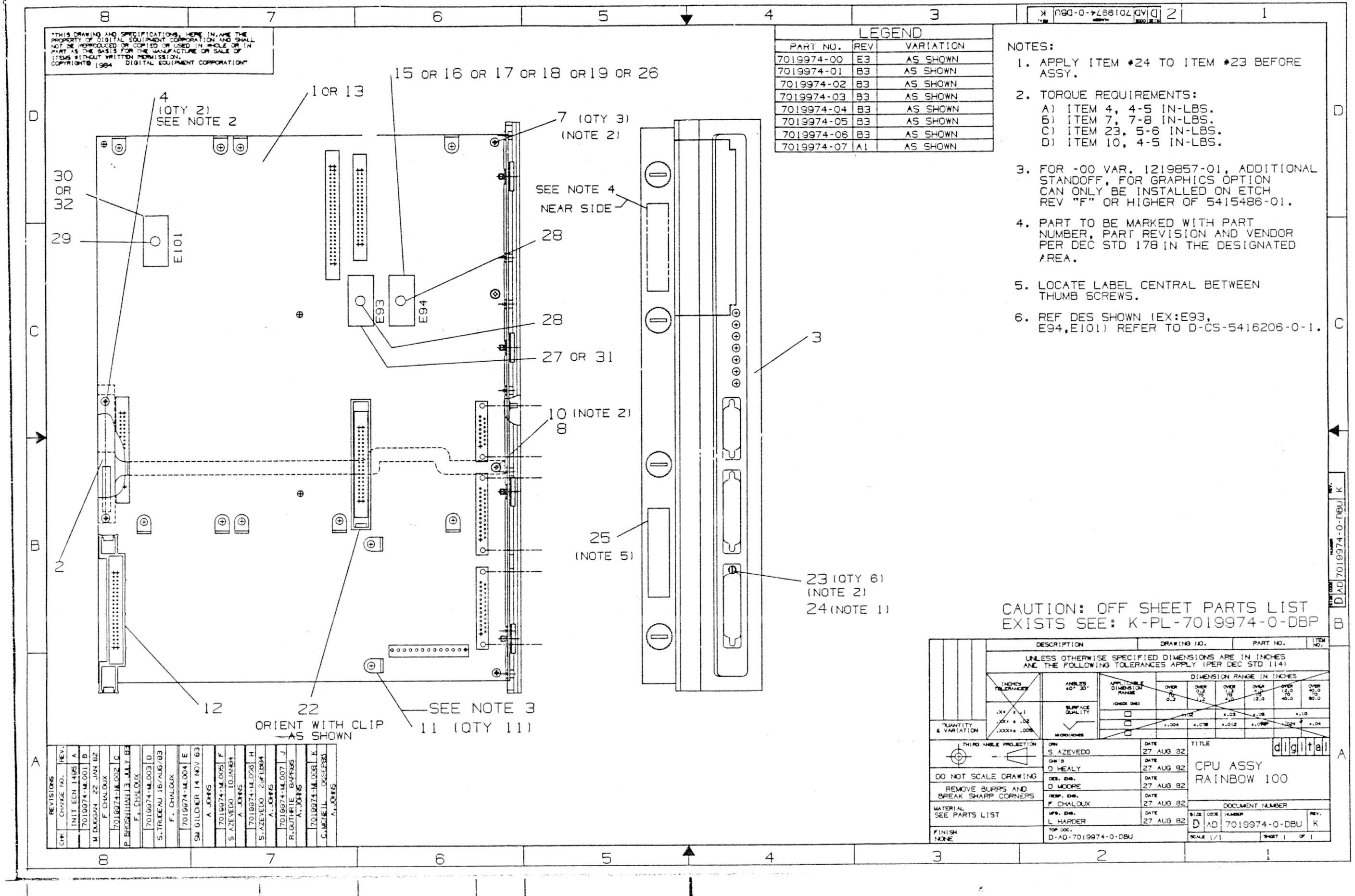
AUTOMATED BY PRTLST.4Q(46)

## PARTS LIST

SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	MIN PART NUMBER	REV	DESCRIPTION	VARIATION REVISION LEVEL:	QTY PER VARIATION			
							A	B	CA	CB
1	1	D-AD-7019573-0-0	7019573-00	B	ENCLOSURE BOTTOM ASSY.		1	1	1	1
2	2	E-IA-7019505-0-DBU	7019505-01		TOP ENCLOSURE ASSY. W/FILLER PLA		1	1	1	1
3	3		1700317-03		CABLE ASSY 34COND SHIELDED 8"LG		-	1	-	1
4	4	D-IA-7019571-0-0	7019571-00		RIVETED ASSY.		1	1	-	-
5	5	D-AD-7019572-0-0	7019572-00		FAN BRACKET ASSY		1	1	-	-
6	6	E-UA-H7842-0-0	H7842-A		SMALL SYS UNIT POW SUP: 138 WATT		-	1	-	-
7	7		RX50 -AA		DUAL 5.25" SINGLE SIDED FLOPPY D		-	1	-	1
8	8		1700318-01		*** THIS ITEM IS NOT USED ***		-	-	-	-
9	9		9006021-02		SCREW, MACH FLAT PHIL	6-	1	1	1	1
10	10		9009701-00		SCREW, SEMS PAN PHIL	6-	3	3	3	3
11	11		1213715-02		*** THIS ITEM IS NOT USED ***		-	-	-	-
12	12	D-IA-7019571-0-0	7019571-01		RIVETED ASSEMBLY		-	-	1	1
13	13	D-AD-7020816-0-DBU	7020816-01		FAN ASSY		-	-	1	1
14	14	E-UA-H7842-0-0	H7842-D		SMALL SYS UNIT POW SUP: 142 WATTS		-	-	-	1
15	15		9009771-03		CLAMP,CABLE,U CLIP,ADH.BACK	3/1	1	1	1	-
16	16		9006020-01		SCREW,MACH PAN PHIL	6-	4	4	4	4

REVISION HISTORY		BASIC PART NO: BA25	DRN:	B. NETTO	DATE: 05-JUN-82	D	I	G	I	T	A	L
ENG!	ECO NUMBER	REV	SECTION A OF A									
			SECTION,VARIATION INDEX	[A]A ,B ,CA,CB,AA	CHK'D: T. CHACKO	DATE: 27-AUG-82	TITLE PARTS LIST					
!AJ	!BA25-ML001	!A					SMALL SYSTEM UNIT ENCLOSURE					
!AJ	!BA25-ML002	!B										
!AJ	!BA25-ML003	!C										
!AJ	!BA25-ML004	!D	[B]		DES.ENG: D. ALBANO	DATE: 27-AUG-82	DOCUMENT NUMBER					
							SIZE	CODE	NUMBER		REV	
					RESP.ENG.: D. ALBANO	DATE: 27-AUG-82	K	PL	BA25-0-DBP		E	
					MFG.ENG.: J. TRITAK	DATE: 27-AUG-82	RELEASE DATE: 14-JAN-85					
					ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER: FILE NAME: EDIT #					
					#E-UA-BA25-0-0		Z4542E,PLS 4					
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LINE	ITEM	TOP DOCUMENT	PART NUMBER	REV	DESCRIPTION	MIN VARIATION	PER VARIATION						
							E3	B3	B3	B3	B3	B3	A1
1	1	B-DD-5415486-0	5415486-01	F	PC100 MOTHERBOARD		1	-	-	-	-	-	-
2	2	E-MD-7427719-0-DBU	7427719-01	B	KEEL, SUPPORT, RAINBOW 100		1	1	-	-	-	-	1
3	3	D-AD-7019941-0-DBU	7019941-00		CONN. PANEL ASSY.		1	1	-	-	-	-	1
4	4		9010411-01		SCREW, THD RL, FLAT PHIL F/PLAS		2	2	-	-	-	-	2
5	5		9008451-05		*** THIS ITEM IS NOT USED ***		-	-	-	-	-	-	-
6	6		9010099-00		*** THIS ITEM IS NOT USED ***		-	-	-	-	-	-	-
7	7		9000049-44		SCREW, SEMS PAN PHIL	4-	3	3	-	-	-	-	3
8	8		9009948-00		WASHER, FLAT NYLON		1	1	-	-	-	-	1
9	9		9009821-00		*** THIS ITEM IS NOT USED ***		-	-	-	-	-	-	-
10	10		9006010-01		SCREW, MACH PAN PHIL	4-	1	1	-	-	-	-	1
11	11		1219857-01		STANDOFF, NYLON		11	11	-	-	-	-	11
12	12	D-MD-7428524-0-DBU	7428524-01		CONNECTOR, FASTENER, RAINBOW 100		1	1	-	-	-	-	1
13	13	B-DD-5416206-0	5416206-01	D	PC100-B MOTHER BOARD		-	1	-	-	-	-	1
14	14	D-AD-7019974-0-DBU	7019974-01	B	CPU ASSY RAINBOW 100B W/O ROM		-	-	1	1	1	1	-
15	15		23020E5-00		E5-02		-	-	1	-	-	-	-
16	16		23015E5-00		E5-02		-	-	-	1	-	-	-
17	17		23016E5-00		E5-02		-	-	-	1	-	-	-
18	18		23017E5-00		E5-02		-	-	-	-	1	-	-
19	19		23018E5-00		PKG CPU 701997X		REF	REF	REF	REF	REF	REF	REF
20	20	A-PA-3700705-0-0	3700705-06		PKG CPU 701997X		REF	REF	REF	REF	REF	REF	REF
21	21	A-PA-3700705-0-0	3700705-01		RESTRAINT, PC BOARD		1	1	-	-	-	-	1
22	22	D-MD-7428702-0-DBU	7428702-02		SCREW, LOCK, STANDOFF ONLY .060OTH		6	6	-	-	-	-	6
23	23		9008451-06		ADHESIVE, ANAEROBIC, RESIN BASE	A/R	A/R	-	-	-	-	A/R	
24	24		4901223-00		LABEL, INSTALLED SPECIAL OPTION		-	-	-	-	-	-	1
25	25		3623792-01		E5-01, E5-02		ROM	-	-	-	-	-	1
26	26		23074E5-00		E5-01, E5-02		ROM	-	-	-	-	-	1
27	27		23073E5-00		LABEL, RED DOT		-	-	-	-	-	-	2
28	28		3623793-01		LABEL, YELLOW DOT		-	-	-	-	-	-	1
29	29		3623793-03		E3-03		-	-	-	-	-	-	1
30	30		23063E3-00										

REVISION HISTORY				BASIC PART NO: 7019974		DRN:	D. HEALY	DATE: 24-AUG-82		D	I	G	I	T	A	L
ENG!	ECO NUMBER	REV	SECTION A OF A													
				SECTION VARIATION INDEX		CHK'D:	D. HEALY									
---	INITIAL	A		[A]00, 01, 02, 03, 04, 05,				DATE:	18-OCT-82							
FC	7019974-ML001	B		06, 07												
FC	7019974-ML002	C				DES. ENG:	D. DICKLEMAN	DATE:	18-OCT-82							
FC	7019974-ML003	D		(B)												
AJ	7019974-ML004	E														
AJ	7019974-ML005	F		(C)												
AJ	7019974-ML006	H				RESP. ENG.:	F. CHALOUX	DATE:	18-OCT-82	K	PL	7019974-0-DBP		K		
AJ	7019974-ML007	J		(D)												
AJ	7019974-ML008	K		(E)												
				(F)												
						MFG. ENG.:	L. HARDER	DATE:	18-OCT-82							
						ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:				FILE NAME:		EDIT #		
									D-AD-7019974-0-DBU	Z5346K.PLS					4	

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## PARTS LIST

SHEET A2 OF A2

LINE ITEM	TOP DOCUMENT	PART NUMBER	REV	DESCRIPTION	MIN	VARIATION	REVISION LEVEL:	QTY PER VARIATION						
								00	01	02	03	04	05	06
31	31	23022E5-00		E5-02			E3	-	1	-	-	-	-	-
32	32	23037E3-00		E3-03			B3	-	1	-	-	-	-	-

TITLE		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
D	I	G	I	T	A	L	K

CPU ASSY, RAINBOW 100

PL 7019974-0-DBP K