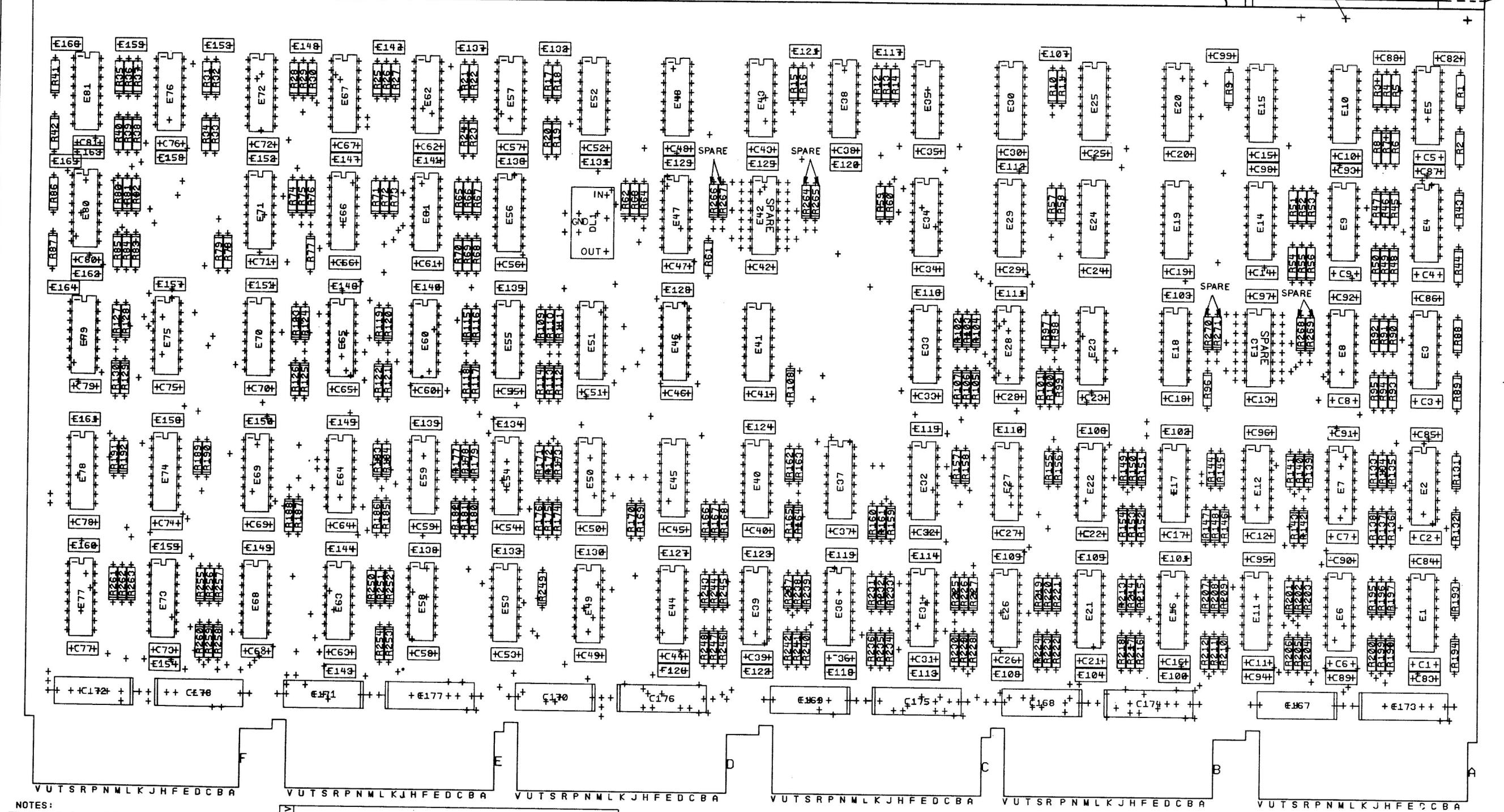


DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS
	-		MODULE REVISION	A
D-UA-M8541-Ø-Ø	5		CONTROL RAM ADDRESS	-
D-CS-M8541-Ø-CRA1	1		CONTROL RAM ADR CR ADR ØØ-Ø6	-
D-CS-M8541-Ø-CRA2	1		CONTROL RAM ADR CR ADR Ø7-1Ø	-
D-CS-M8541-Ø-CRA3	1		CONTROL RAM ADR REGISTERS	-
D-CS-M8541-Ø-CRA4	1		CONTROL RAM ADR SBR STACK	-
D-CS-M8541-Ø-CRA5	1		CONTROL RAM ADR 2K RAM & DIAG.	-
D-CS-M8541-Ø-CRA6	1		CONTROL RAM ADR POWER, GND, CAPS	-
D-CS-M8541-Ø-RES	2		CONTROL RAM ADR TERMINATORS	-
D-AH-M8541-Ø-5	4		CONTROL RAM ADDRESS	-
	5011887		ETCHED CIRCUIT BOARD	B
M8541-Ø-L			P.C. DESIGN DATA BASE	REF
M8541-Ø-PL			INSERTION P/L DATA BASE	REF
POO-M8541-ØØ			PROCESS SHEETS	REF
NOTES:			REVISIONS	
DATE CHG NO. REV.				
USED ON OPTION/MODEL	DRN.		TITLE	
KL1Ø	R.F. Lucien	2 SEP 76	CONTROL RAM ADDRESS	
	CHK'D R.W. Counter	2 Aug 76		
	ENG. Tom Eggers	5 Oct 76	SIZE CODE	NUMBER
	PROD. Bill Endley	15 Oct 76	B DD	M8541-Ø
DRB 126 EN-01149-16-N176(325)			SHEET 1 OF 1	

"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 © 1976, DIGITAL EQUIPMENT CORPORATION"

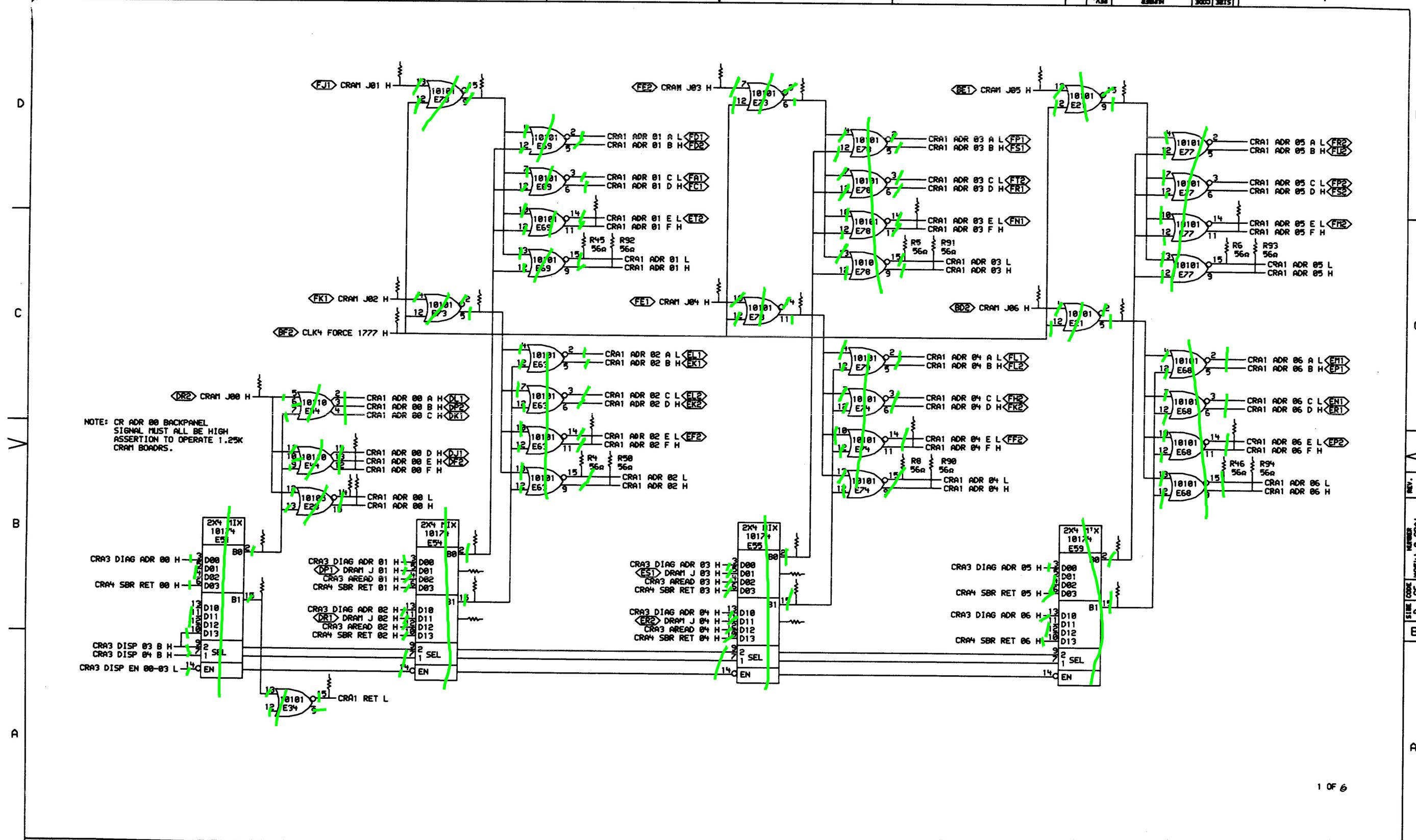
digital

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, WITHOUT THE WRITTEN AUTHORIZATION ON SALE OF
ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976
DIGITAL EQUIPMENT CORPORATION



SIGNATURES		DATE	digital	
DRN. <i>M. R. Beale</i>		20 FEB 76		
CHK. <i>D. Rosenthal</i>		20 SEP 76		
ENG. <i>Tom Hayes</i>		5-0-76		
PROJ. ENG. <i>T. Hayes</i>		5-0-76		
PROD. <i>Bell Peiley</i>		5-0-76		
SCALE 2 TO 1			SIZE CODE	NUMBER
SHT. 2 OF 5			D	UA M8541-0-0
ETCH REV			REV	
FIRST USED ON K10				

MR 1 MS# 30219



1 OF 6

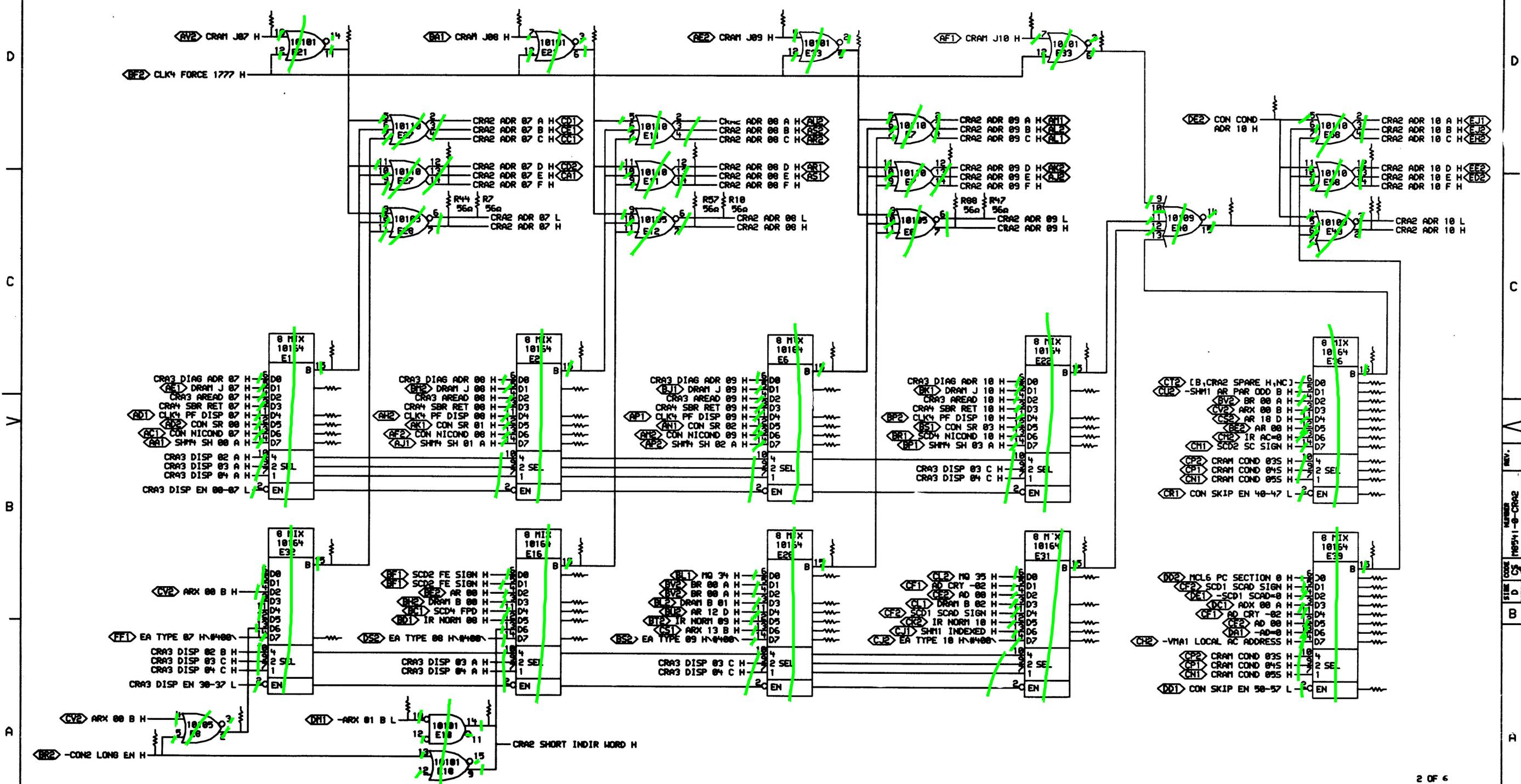
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHK	CHANGE NO.	REV.

SIZE	CODE	NUMBER	REV.
D	CS	M8541-0-CRA1	
3	4	5	6
2	3	4	5
1	2	3	4

digital DATE: 22-SEP-76 ENg: Eng. 1 DATE: 22-SEP-76 TITLE: CONTROL RAM ADR
 CR ADR 00-06
 CRATEA.RLS(4,61) 17-SEP-76 22121 NEXT HIGHER ASSEMBLY:
 FIRST USED ON OPTION/MODEL: KL10 B-DD-M8541-0

346

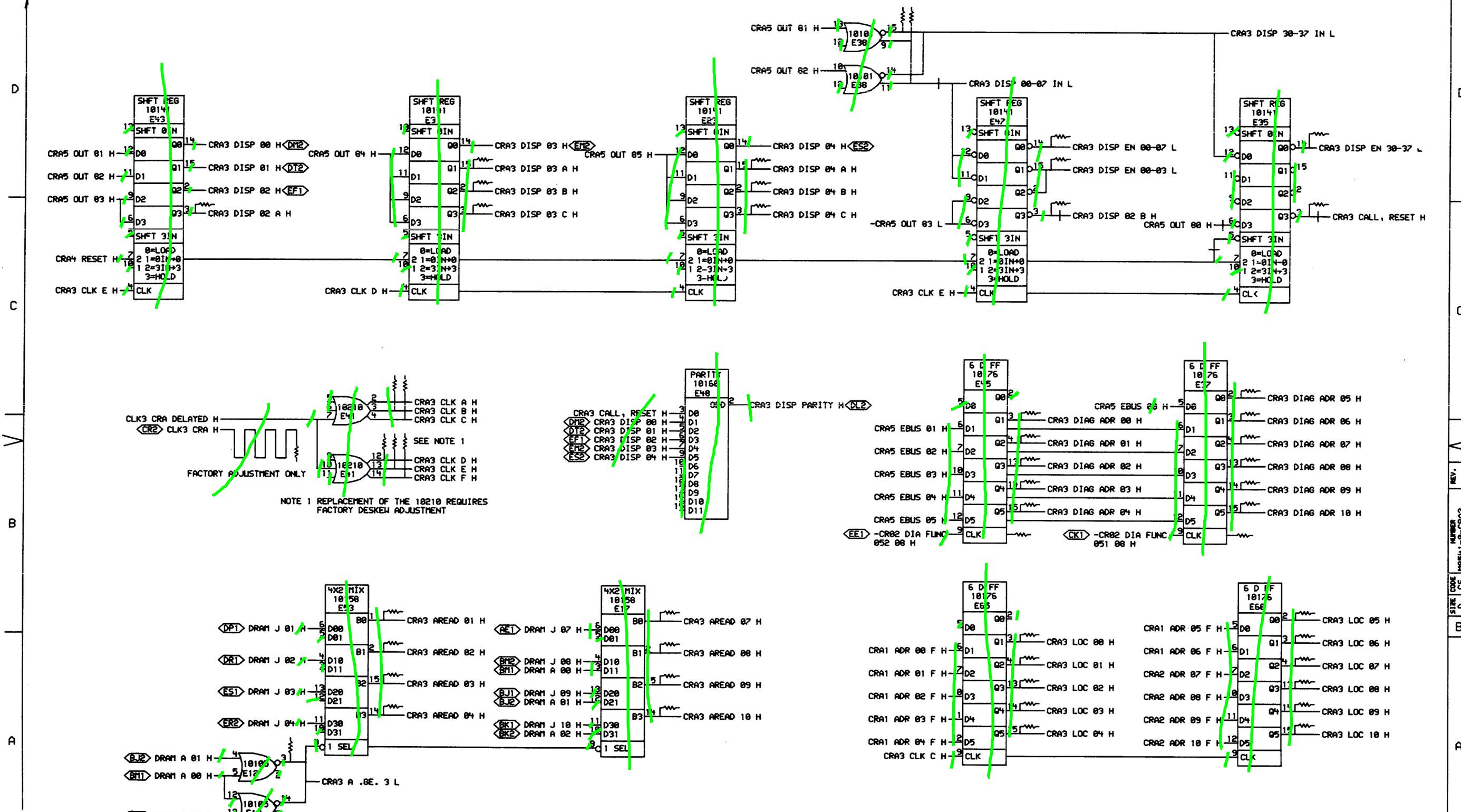


2 OF 6

"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 © 1976, DIGITAL EQUIPMENT CORPORATION"

REVISIONS		
CHK	CHANGE NO.	REV

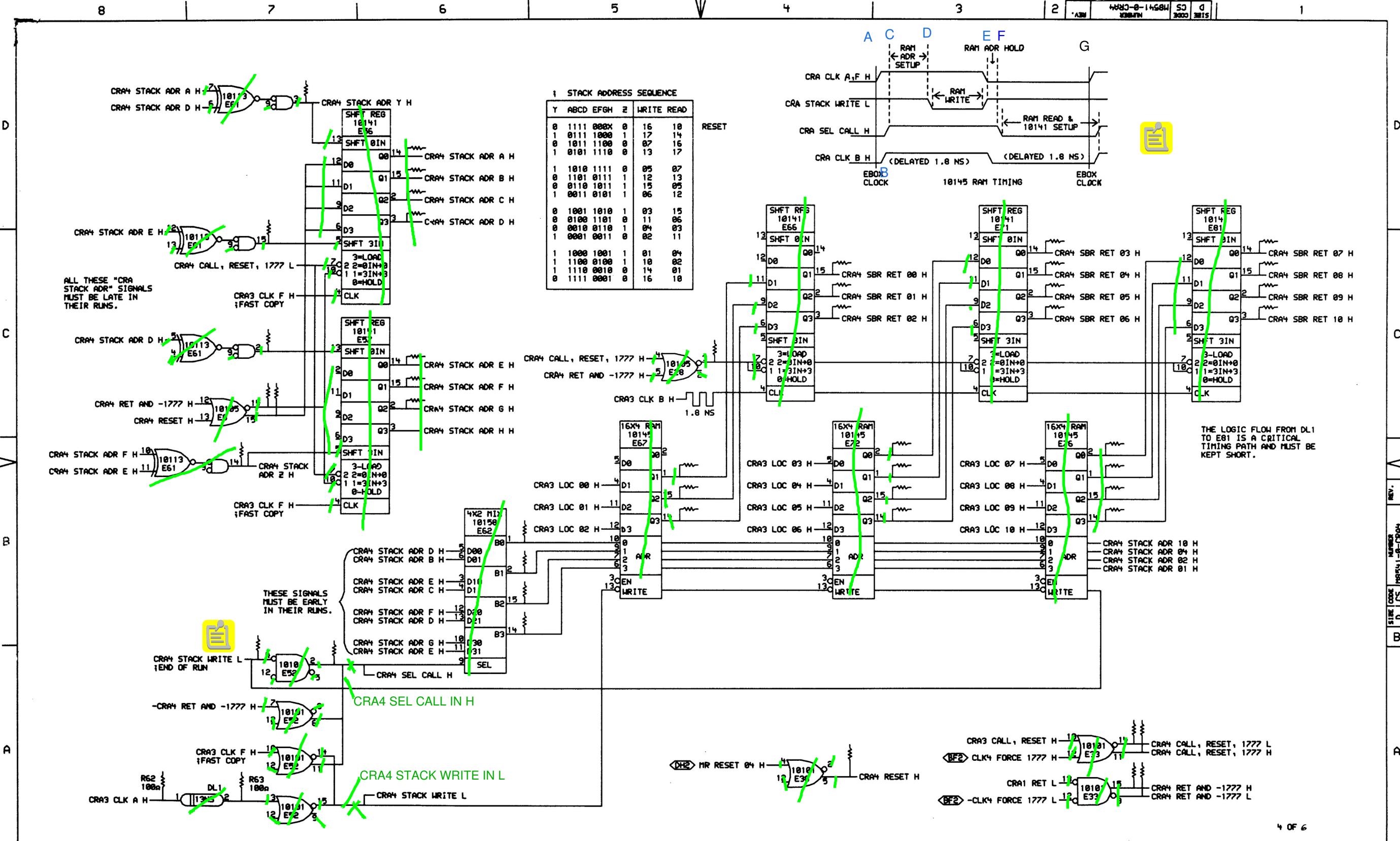
digital	DR. J. S. Farley C-7000-1	DATE 22-SEP-76	END 1pm 2pm	DATE 23-SEP-76	TITLE: CONTROL RAM ADR CR ADR 07-10		
		DATE 24-SEP-76	BOARD LOCATION: 40445	SHEET 1 OF 1	SIZE D	CODE CS	NUMBER M8541-0-CRA2
CRA2A, RLS 4.161		117-SEP-76 22:22	NEXT HIGHER ASSEMBLY:		REV.		
FIRST USED ON OPTION/MODEL:		KL10	B-DD-M8541-0				



"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 © 1976, DIGITAL EQUIPMENT CORPORATION"

REV 1

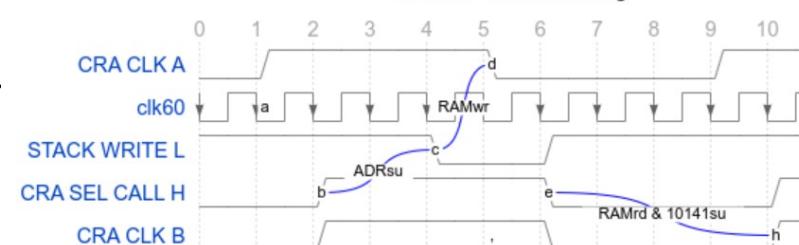
digita	DRW	<i>J. Jonby</i>	DATE 24-SEP-76	EMF <i>from E. B. S.</i>	DATE 24-SEP-76	TITLE: CONTROL RAM ADR REGISTERS		
CRA3A.RLS(4,161)		DATE <i>Aug 76</i>	BOARD LOCATION: 4AF45					
17-SEP-76 22123		NEXT HIGHER ASSEMBLY:		SHEET 1 OF 1	SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION MODEL: KL10		B-DD-M8541-0		D	CS	M8541-0-CRA3		



"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 (C) 1980, DIGITAL EQUIPMENT CORPORATION.

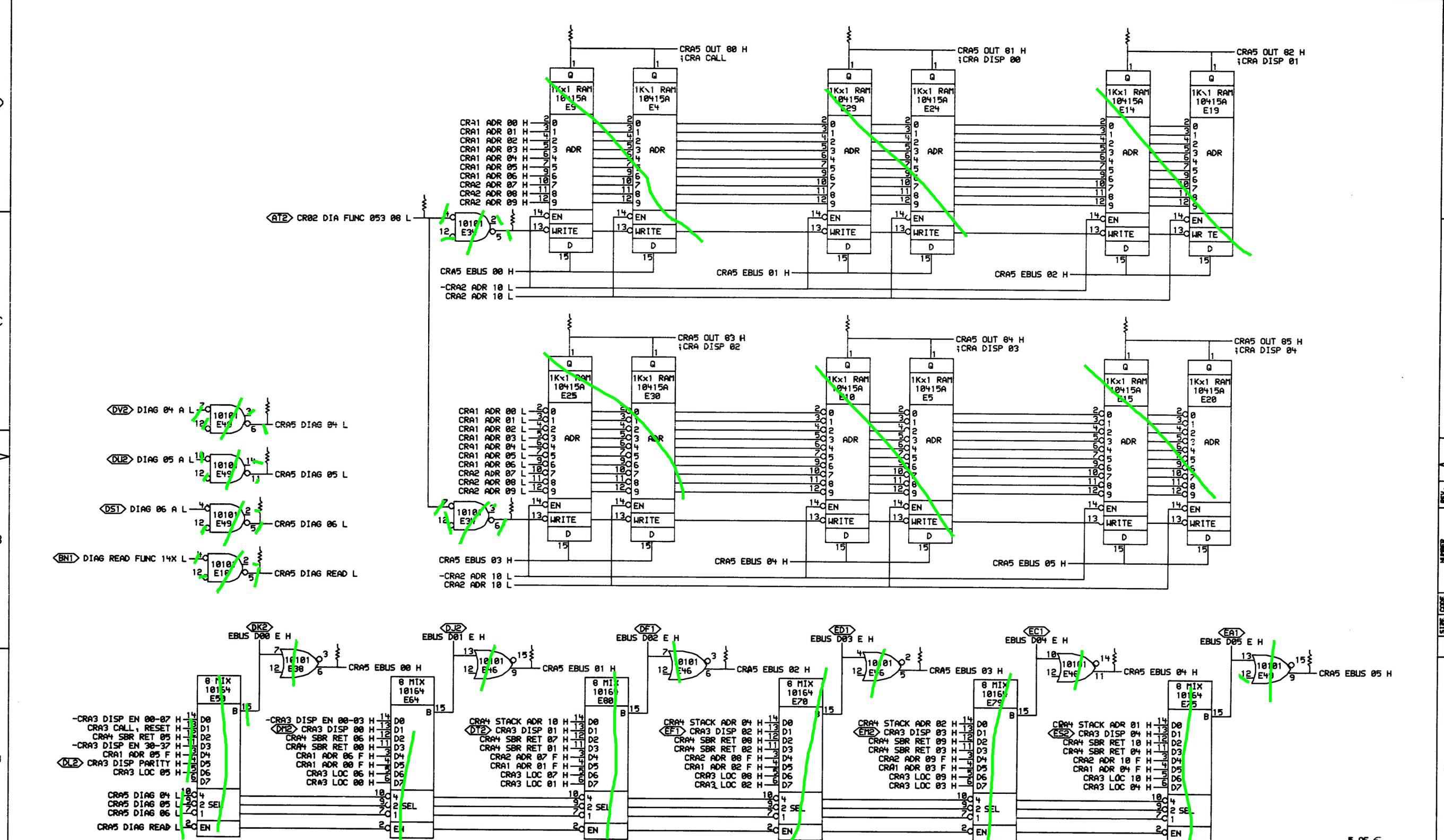
REVISIONS		
CHG	CHANGE NO.	REV

CRA module RAM timi



DRA. 7 DATE 20-SEP-76 ENG. 1 DATE 23 SEP 76
 20-SEP-76 BOARD LOCATION: 4A/F/15
 SHEET 1 OF 1

CRAY4EA.RLS(4.161)	17-SEP-76 22:30	NEXT HIGHER ASSEM LY:	SIZE	CODE	NUMBER	REV.
			D	SC	MOE11-2.GRD	



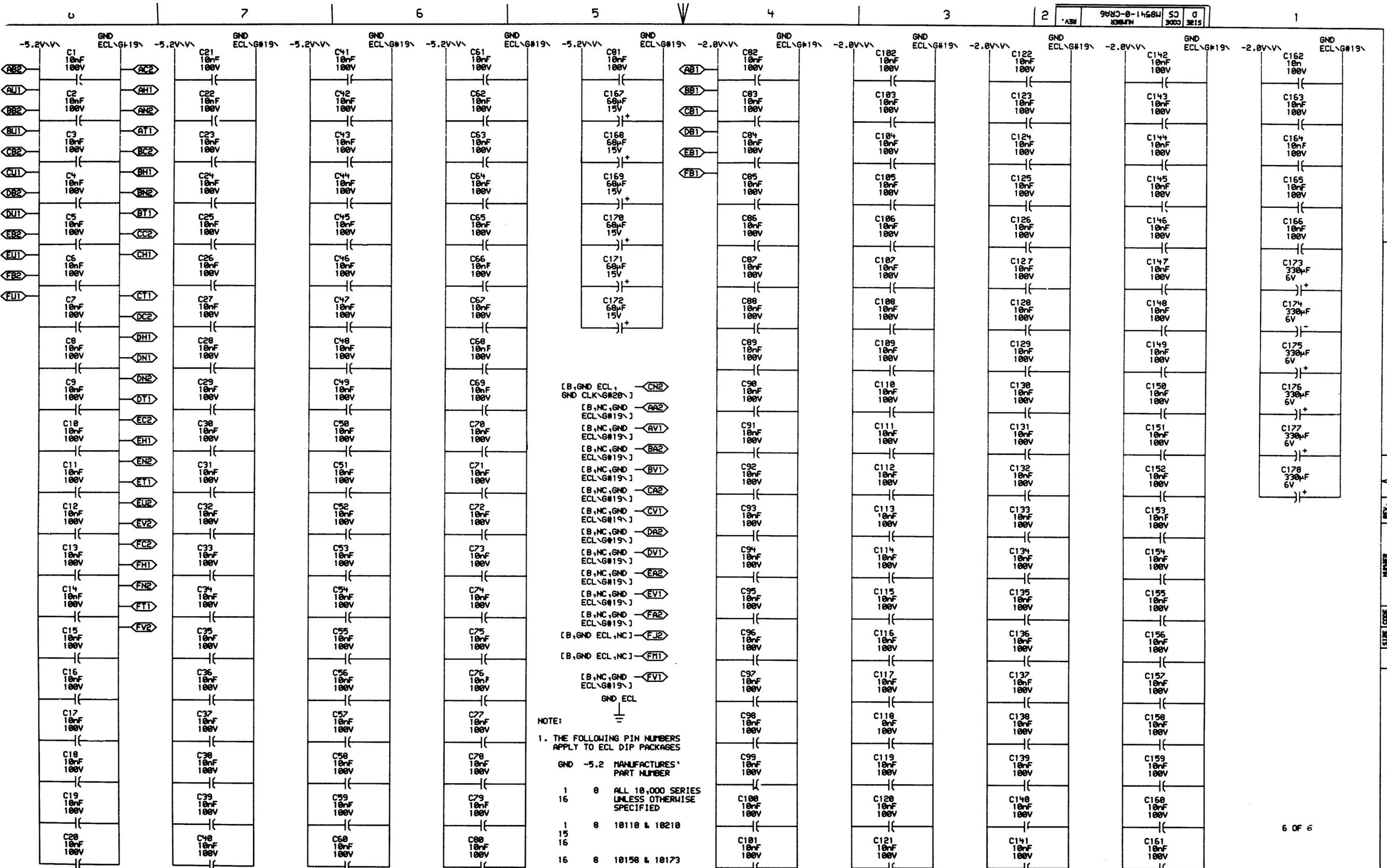
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION"

REVISIONS		
CHK	CHG-NR NO.	REV.

SIZE	CODE	NUMBER	REV.
D	CS	M8541-0-CRA5	
SITE	CODE	NUMBER	REV.
B			
A			

digita I DATE: 12 SEP 76
CHGD: 12 SEP 76 DATE: 23 SEP 76 BOARD LOCATION: 4AFC15
FIR T USED ON OPTION/MODEL: KL10 DATE: 23 SEP 76 SHEET: 1 OF 1
CRA5A.RLS(4,161) 117-SEP-76 22124 NEXT HIGHER ASSEMBLY:
FIR T USED ON OPTION/MODEL: KL10 B-DD-M8541-0

350



*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 ITEM WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHK	CHANGE NO.	REV

digit@ DATE: 20-SEP-76 DA E 20-SEP-76 ENG: Eggan DATE: 23-SEPT-76 TITLE: CONTROL RAM ADR POWER, GND, CAPS

CRAFCA.RLS4.161] 03-AUG-76 10:51 NEXT HIGHER ASSORTMENT: SHEET 1 OF 1

FIR T USED ON OPTION MODEL: KL10 B-DD-M8541-0 SIZE CODE NUMBER REV.

D CS M8541-0-CRA6

D	RESISTOR LOC(PIN) DRAW# REF	SHOWN ON DRAW# REF	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN) DRAW# REF	SHOWN ON DRAW# REF	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN) DRAW# REF	SHOWN ON DRAW# REF	VALUE	TERMINATES SIGNAL
	R63(1) CRA1 A7 100Ω XDL1(2)				R196(1) CRA1 D4 68Ω XE73(6)				R53(1) CRA1 B7 68Ω CRA1 ADR 00 H			
	R101(1) CRA2 C7 68Ω XE1(15)				R106(1) CRA1 D6 68Ω XE73(9)				R3(1) CRA1 B7 68Ω -CRA1 ADR 00 H			
	R145(1) CRA2 B5 68Ω XE16(15)				R39(1) CRA4 B2 68Ω XE76(1)				R125(1) CRA1 B7 68Ω CRA1 ADR 00 F H			
	R210(1) CRA2 C5 68Ω XE2(15)				R42(1) CRA4 B2 68Ω XE76(14)				R92(1) CRA1 C5 56Ω CRA1 ADR 01 H			
	R100(1) CRA2 D7 68Ω XE21(11)				R38(1) CRA4 B2 68Ω XE76(15)				R45(1) CRA1 C5 56Ω -CRA1 ADR 01 H			
	R256(1) CRA1 C2 68Ω XE21(5)				R35(1) CRA4 B2 68Ω XE8(2)				R81(1) CRA1 C5 56Ω CRA1 ADR 01 F H			
	R144(1) CRA2 D5 68Ω XE21(6)				R28(1) CRA4 C7 68Ω XE8(14)				R58(1) CRA1 B5 56Ω CRA1 ADR 02 H			
	R262(1) CRA1 D2 68Ω XE21(9)				R68(1) CRA4 C7 68Ω XE8(15)				R4(1) CRA1 B5 56Ω -CRA1 ADR 02 H			
	R163(1) CRA2 C3 68Ω XE22(15)				R157(1) CRA2 A7 68Ω XE8(2)				R126(1) CRA1 B5 68Ω CRA1 ADR 02 F H			
	R141(1) CRA2 B4 68Ω XE26(15)				R237(1) CRA2 B1 68Ω AD 00 H				R91(1) CRA1 C3 56Ω CRA1 ADR 03 H			
	R48(1) CRA4 C4 68Ω XE28(3)				R241(1) CRA2 B1 68Ω AD CRY -02 H				R5(1) CRA1 C3 56Ω -CRA1 ADR 03 H			
	R162(1) CRA2 B3 68Ω XE31(15)				R244(1) CRA2 A1 68Ω -AD 00 H				R128(1) CRA1 C3 68Ω CRA1 ADR 03 F H			
C	R98(1) CRA2 B7 68Ω XE32(15)				R166(1) CRA2 B1 68Ω ADX 00 A H				R98(1) CRA1 B3 56Ω CRA1 ADR 04 H			
	R143(1) CRA2 D4 68Ω XE33(5)				R231(1) CRA2 B1 68Ω AR 00 H				R8(1) CRA1 B3 56Ω -CRA1 ADR 04 H			
	R164(1) CRA2 D3 68Ω XE33(6)				R224(1) CRA2 B4 68Ω AR 12 D H				R119(1) CRA1 B3 68Ω CRA1 ADR 04 F H			
	R49(1) CRA5 C6 68Ω XE34(5)				R236(1) CRA2 B1 68Ω AR 18 D H				R93(1) CRA1 C1 56Ω CRA1 ADR 05 H			
	R2(1) CRA5 B6 68Ω XE34(6)				R55(1) CRA2 B1 68Ω ARX 00 B H				R6(1) CRA1 C2 56Ω -CRA1 ADR 05 H			
	R165(1) CRA2 C1 68Ω XE36(15)				R96(1) CRA2 A6 68Ω ARX 01 B H				R123(1) CRA1 C1 68Ω CRA1 ADR 05 F H			
	R253(1) CRA2 B1 68Ω XE39(15)				R220(1) CRA2 A4 68Ω ARX 13 B H				R9(1) CRA1 B1 56Ω CRA1 ADR 06 H			
	R254(1) CRA2 C2 68Ω XE40(15)				R232(1) CRA2 B1 68Ω BR 00 A H				R46(1) CRA1 B2 56Ω -CRA1 ADR 06 H			
	R59(1) CRA1 B7 68Ω XE51(15)				R180(1) CRA3 B7 68Ω CLK3 CRA H				R121(1) CRA1 B1 68Ω CRA1 ADR 06 F H			
	R97(1) CRA1 B7 68Ω XE51(2)				R255(1) CRA1 C6 68Ω CLK4 FORCE 1777 H				R102(1) CRA1 A7 68Ω -CRA1 RET H			
	R256(1) CRA1 B6 68Ω XE54(15)				R196(1) CRA2 B7 68Ω CLK4 PF DISP 07 H				R4(1) CRA2 C6 56Ω CRA2 ADR 07 H			
	R187(1) CRA1 B6 68Ω XE54(2)				R136(1) CRA2 B6 68Ω CLK4 PF DISP 08 H				R7(1) CRA2 C6 56Ω -CRA2 ADR 07 H			
	R189(1) CRA1 B4 68Ω XE55(15)				R280(1) CRA2 B4 68Ω CLK4 PF DISP 09 H				R84(1) CRA2 D6 68Ω CRA2 ADR 07 F H			
	R191(1) CRA1 B4 68Ω XE55(2)				R153(1) CRA2 B3 68Ω CLK4 PF DISP 10 H				R57(1) CRA2 C5 56Ω CRA2 ADR 08 H			
	R257(1) CRA1 B2 68Ω XE59(15)				R252(1) CRA2 D2 68Ω CON COND ADR 08 H				R10(1) CRA2 C5 56Ω -CRA2 ADR 08 H			
	R261(1) CRA1 B2 68Ω XE59(2)				R19(1) CRA2 B7 68Ω CON NICOND 07 H				R123(1) CRA2 D5 68Ω CRA2 ADR 08 F H			
	R148(1) CRA2 C4 68Ω XE6(15)				R131(1) CRA2 B6 68Ω CON NICOND 08 H				R88(1) CRA2 C3 56Ω CRA2 ADR 09 H			
B	R62(1) CRA4 C7 68Ω XE61(15)				R281(1) CRA2 B4 68Ω CON NICOND 09 H				R47(1) CRA2 C3 56Ω -CRA2 ADR 09 H			
	R17(1) CRA4 C7 68Ω XE61(2)				R238(1) CRA2 B1 68Ω -CON SKIP EN 40-47 H				R138(1) CRA2 D3 68Ω CRA2 ADR 09 F H			
	R71(1) CRA4 B5 68Ω XE67(1)				R167(1) CRA2 A1 68Ω -CON SKIP EN 50-57 H				R51(1) CRA2 C1 68Ω CRA2 ADR 10 H			
	R77(1) CRA4 B5 68Ω XE67(14)				R199(1) CRA2 B7 68Ω CON SR 00 H				R43(1) CRA2 C1 68Ω -CRA2 ADR 10 H			
	R22(1) CRA4 B5 68Ω XE67(15)				R138(1) CRA2 B6 68Ω CON SR 01 H				R122(1) CRA2 D1 68Ω CRA2 ADR 10 F H			
	R78(1) CRA4 B3 68Ω XE72(1)				R28(1) CRA2 B4 68Ω CON SR 02 H				R148(1) CRA2 A6 68Ω CRA2 SHORT INDIR WORD H			
	R79(1) CRA4 B3 68Ω XE72(14)				R149(1) CRA2 B3 68Ω CON SR 03 H				R248(1) CRA2 C1 68Ω CRA2 SPARE H			
	R78(1) CRA4 B3 68Ω XE72(15)				R56(1) CRA2 A8 68Ω -CON2 LONG EN H				R249(1) CRA3 A7 68Ω -CRA3 A GE. 3 H			
	R74(1) CRA4 B3 68Ω XE72(2)				R159(1) CRA3 B2 68Ω -CR02 DIA FUNC 051 08 H				R181(1) CRA3 B6 68Ω CRA3 AREAD 01 H			
	R190(1) CRA1 C4 68Ω XE73(11)				R169(1) CRA3 B3 68Ω -CR02 DIA FUNC 052 08 H				R171(1) CRA3 A6 68Ω CRA3 AREAD 02 H			
	R251(1) CRA1 C6 68Ω XE73(5)				R60(1) CRA5 C6 68Ω -CR02 DIA FUNC 053 08 H				R117(1) CRA3 A6 68Ω CRA3 AREAD 03 H			

NOTE:

1. ALL TERMINATORS HAVE PIN TWO CONNECTED TO -2.8V AND ARE 5% 1/4WATT UNLESS OTHERWISE SPECIFIED
2. ENTRIES ARE SORTED BY SIGNAL NAME
3. % INDICATES OUTPUT OF DIP LOC AND () INDICATES PIN NUMBER

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 © 1976, DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHG	CHANGE NO.	REV

digital
Drn. *G. Smith*
Chg. 1
Rev. 1

Date 17-SEP-76
Board Location 23 SEP 76
Page 1 of 2
Mfg. 17-SEP-76
Next Higher Assembly: KL10

Size D
Code CS
Rev. M8541-0-RES

Title CONTROL RAM ADR TERMINATORS
Number M8541-0
Rev. 1

352

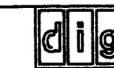
RESISTOR LOC(PIN)	SHOWN	ON	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN)	SHOWN	ON	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN)	SHOWN	ON	VALUE	TERMINATES SIGNAL
R32(1)	CRA3	A3	68Ω	CRA3 LOC 04 H	R87(1)	CRA5	B7	68Ω	-CRA5 DIAG 06 H	R147(1)	CRA2	A6	68Ω	EA TYPE 08 HV#400~
R29(1)	CRA3	B1	68Ω	CRA3 LOC 05 H	R88(1)	CRA5	B7	68Ω	-CRA5 DIAG READ H	R219(1)	CRA2	A4	68Ω	EA TYPE 09 HV#400~
R28(1)	CRA3	B1	68Ω	CRA3 LOC 06 H	R48(1)	CRA5	A7	68Ω	CRA5 EBUS 00 H	R220(1)	CRA2	A3	68Ω	EA TYPE 10 HV#400~
R37(1)	CRA3	A1	68Ω	CRA3 LOC 07 H	R50(1)	CRA5	A6	68Ω	CRA5 EBUS 01 H	R161(1)	CRA2	B1	68Ω	IR AC=0 H
R36(1)	CRA3	A1	68Ω	CRA3 LOC 08 H	R52(1)	CRA5	A4	68Ω	CRA5 EBUS 02 H	R207(1)	CRA2	B6	68Ω	IR NORM 06 H
R34(1)	CRA3	A1	68Ω	CRA3 LOC 09 H	R111(1)	CRA5	A3	68Ω	CRA5 EBUS 03 H	R223(1)	CRA2	B4	68Ω	IR NORM 09 H
R31(1)	CRA3	A1	68Ω	CRA3 LOC 10 H	R1(1)	CRA5	A2	68Ω	CRA5 EBUS 04 H	R235(1)	CRA2	B3	68Ω	IR NORM 10 H
R104(1)	CRA4	A2	68Ω	CRA4 CALL, RESET, 1777 H	R9(1)	CRA5	A1	68Ω	CRA5 EBUS 05 H	R248(1)	CRA2	B1	68Ω	MCL6 PC SECTION 0 H
R23(1)	CRA4	A2	68Ω	-CRA4 CALL, RESET, 1777 H	R13(1)	CRA5	D5	68Ω	CRA5 OUT 00 H	R230(1)	CRA2	B4	68Ω	MQ 34 H
R139(1)	CRA4	A4	68Ω	CRA4 RESET H	R15(1)	CRA5	D4	68Ω	CRA5 OUT 01 H	R234(1)	CRA2	B3	68Ω	MQ 35 H
R54(1)	CRA4	A2	68Ω	CRA4 RET AND -1777 H	R16(1)	CRA5	D2	68Ω	CRA5 OUT 02 H	R245(1)	CRA2	B1	68Ω	SCD1 SCAD SIGN H
R19(1)	CRA4	A2	68Ω	-CRA4 RET AND -1777 H	R64(1)	CRA5	C5	68Ω	CRA5 OUT 03 H	R243(1)	CRA2	B1	68Ω	-SCD1 SCAD=0 H
R112(1)	CRA4	C4	68Ω	CRA4 SBR RET 00 H	R89(1)	CRA5	C4	68Ω	CRA5 OUT 04 H	R215(1)	CRA2	B6	68Ω	SCD2 FE SIGN H
R188(1)	CRA4	C4	68Ω	CRA4 SBR RET 01 H	R99(1)	CRA5	C2	68Ω	CRA5 OUT 05 H	R160(1)	CRA2	B1	68Ω	SCD2 SC SIGN H
R176(1)	CRA4	C4	68Ω	CRA4 SBR RET 02 H	R242(1)	CRA2	B1	68Ω	CRAM COND 035 H	R212(1)	CRA2	B6	68Ω	SCD4 FPD H
R118(1)	CRA4	C2	68Ω	CRA4 SBR RET 03 H	R247(1)	CRA2	B1	68Ω	CRAM COND 045 H	R150(1)	CRA2	B3	68Ω	SCD4 NICOND 10 H
R114(1)	CRA4	C2	68Ω	CRA4 SBR RET 04 H	R246(1)	CRA2	B1	68Ω	CRAM COND 055 H	R239(1)	CRA2	C1	68Ω	-SHM1 AR PAR 000 B H
R174(1)	CRA4	C2	68Ω	CRA4 SBR RET 05 H	R105(1)	CRA1	C7	68Ω	CRAM J00 H	R226(1)	CRA2	A3	68Ω	SHM1 INDEXED H
R186(1)	CRA4	C2	68Ω	CRA4 SBR RET 06 H	R258(1)	CRA1	D6	68Ω	CRAM J01 H	R193(1)	CRA2	B7	68Ω	SHM4 SH 00 A H
R195(1)	CRA4	C1	68Ω	CRA4 SBR RET 07 H	R263(1)	CRA1	C6	68Ω	CRAM J02 H	R137(1)	CRA2	B6	68Ω	SHM4 SH 01 A H
R133(1)	CRA4	C1	68Ω	CRA4 SBR RET 08 H	R259(1)	CRA1	D4	68Ω	CRAM J03 H	R206(1)	CRA2	B4	68Ω	SHM4 SH 02 A H
R200(1)	CRA4	C1	68Ω	CRA4 SBR RET 09 H	R266(1)	CRA1	C4	68Ω	CRAM J04 H	R154(1)	CRA2	B3	68Ω	SHM4 SH 03 A H
R155(1)	CRA4	C1	68Ω	CRA4 SBR RET 10 H	R213(1)	CRA1	D3	68Ω	CRAM J05 H	R168(1)	CRA2	A1	68Ω	-VMA1 LOCAL AC ADDRESS H
R24(1)	CRA4	A7	68Ω	CRA4 SEL CALL H	R221(1)	CRA1	C3	68Ω	CRAM J06 H					
R126(1)	CRA4	B5	68Ω	CRA4 STACK ADR 01 H	R218(1)	CRA2	D7	68Ω	CRAM J07 H					
R129(1)	CRA4	B5	68Ω	CRA4 STACK ADR 02 H	R222(1)	CRA2	D6	68Ω	CRAM J08 H					
R124(1)	CRA4	B5	68Ω	CRA4 STACK ADR 04 H	R103(1)	CRA2	D4	68Ω	CRAM J09 H					
R82(1)	CRA4	B5	68Ω	CRA4 STACK ADR 10 H	R106(1)	CRA2	D3	68Ω	CRAM J10 H					
R69(1)	CRA4	D6	68Ω	CRA4 STACK ADR A H	R214(1)	CRA2	B6	68Ω	DRAM B 00 H					
R26(1)	CRA4	D6	68Ω	CRA4 STACK ADR B H	R227(1)	CRA2	B4	68Ω	DRAM B 01 H					
R27(1)	CRA4	D6	68Ω	CRA4 STACK ADR C H	R233(1)	CRA2	B3	68Ω	DRAM B 02 H					
R73(1)	CRA4	D6	68Ω	CRA4 STACK ADR D H	R179(1)	CRA1	B6	68Ω	DRAM J 01 H					
R65(1)	CRA4	C6	68Ω	CRA4 STACK ADR E H	R175(1)	CRA1	B6	68Ω	DRAM J 02 H					
R78(1)	CRA4	C6	68Ω	CRA4 STACK ADR F H	R116(1)	CRA1	B4	68Ω	DRAM J 03 H					
R21(1)	CRA4	C6	68Ω	CRA4 STACK AJR G H	R113(1)	CRA1	B4	68Ω	DRAM J 04 H					
R66(1)	CRA4	D7	68Ω	CRA4 STACK ADR Y H	R146(1)	CRA2	C7	68Ω	DRAM J 07 H					
R22(1)	CRA4	B7	68Ω	CRA4 STACK ADR Z H	R135(1)	CRA2	C6	68Ω	DRAM J 08 H					
R18(1)	CRA4	A7	68Ω	-CRA4 STACK WRITE H	R203(1)	CRA2	C4	68Ω	DRAM J 09 H					
R85(1)	CRA5	C7	68Ω	-CRA5 DIAG 04 H	R152(1)	CRA2	C3	68Ω	DRAM J 10 H					
R83(1)	CRA5	B7	68Ω	-CRA5 DIAG 05 H	R150(1)	CRA2	A7	68Ω	EA TYPE 07 HV#400~					

NOTE:

1. ALL TERMINATORS HAVE PIN TWO CONNECTED TO -2.8V AND ARE 5X 1/4WATT UNLESS OTHERWISE SPECIFIED
 2. ENTRIES ARE SORTED BY SIGNAL NAME
 3. % INDICATES OUTPUT OF DIP LOC AND
() INDICATES PIN NUMBER

"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 © 1976, DIGITAL EQUIPMENT CORPORATION"

REV



bitaid
12.RLSC(4,16)
BASED ON OPTIONS

DRN. 63
CHURCH-EGG
17-SEP-
MDEL: K

DATE
17-SEP-
DATE
23 Sept
-76 22:4
L10

ENQ
-76

Figure	23
LOCATION:	
2	OF
R ASSEMBLY	
41-8	

DATE	TITLE
Sept 76	
2	
:	SIZE
	D

E: COM
T

NTROL
TERMINAL
NUMBER
541-0-R

RAM A
NATORS
R
ES

ADR
REV.