

3541-6

NUMBER

5

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

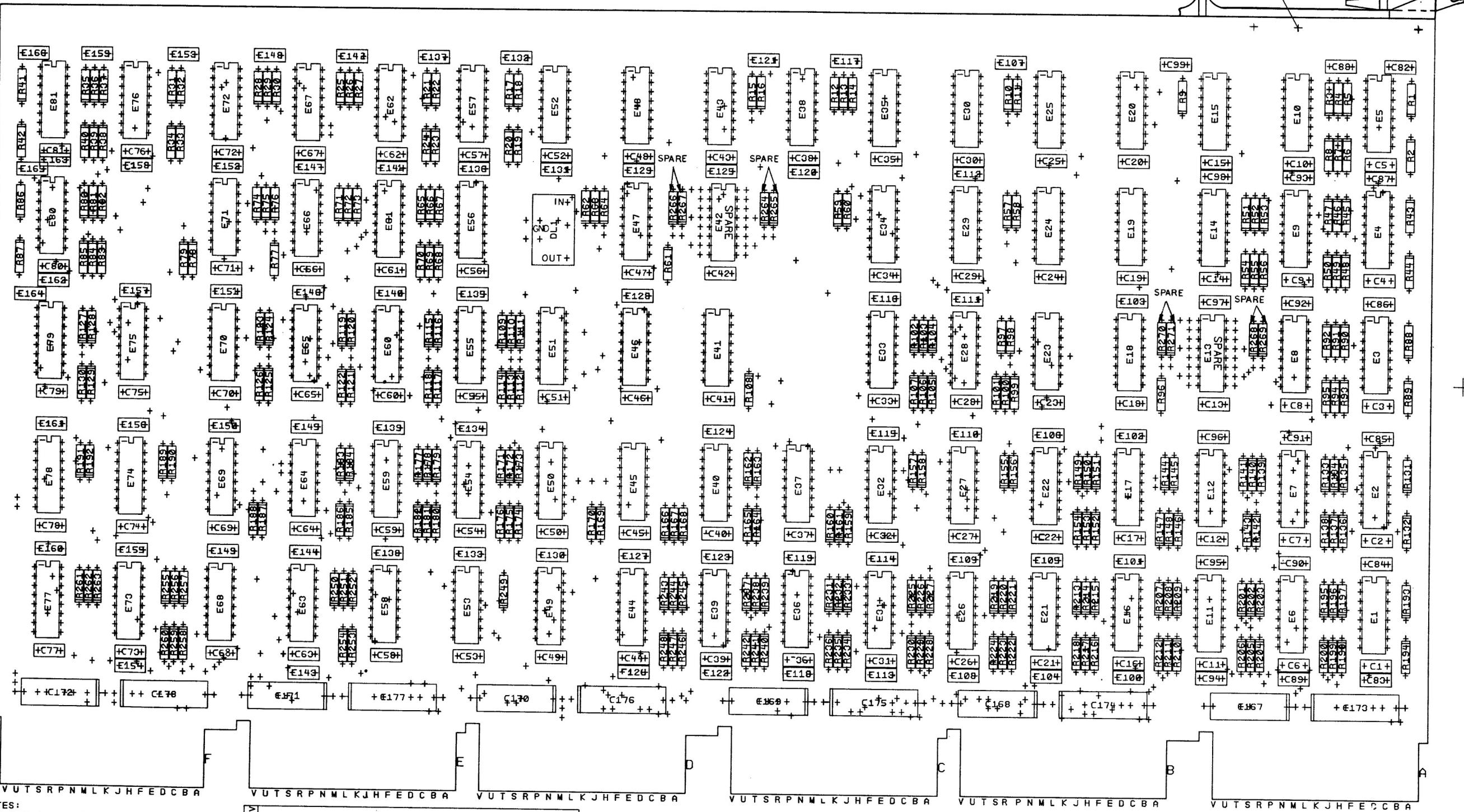
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# digital

USED ON OPTION/MODEL KL10	DRN. P. F. Lucius	2 SEP 76	TITLE CONTROL RAM ADDRESS
	CHK'D R.W. Counter	2 Sept 76	
	ENG. Tom Evans	5 Oct 76	SIZE CODE <b>B DDD</b>
	PROD. Bill Emily	15 Oct 76	NUMBER M8541-Ø
			REV.
		SHEET 1 OF 1	

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24(OTY 12)

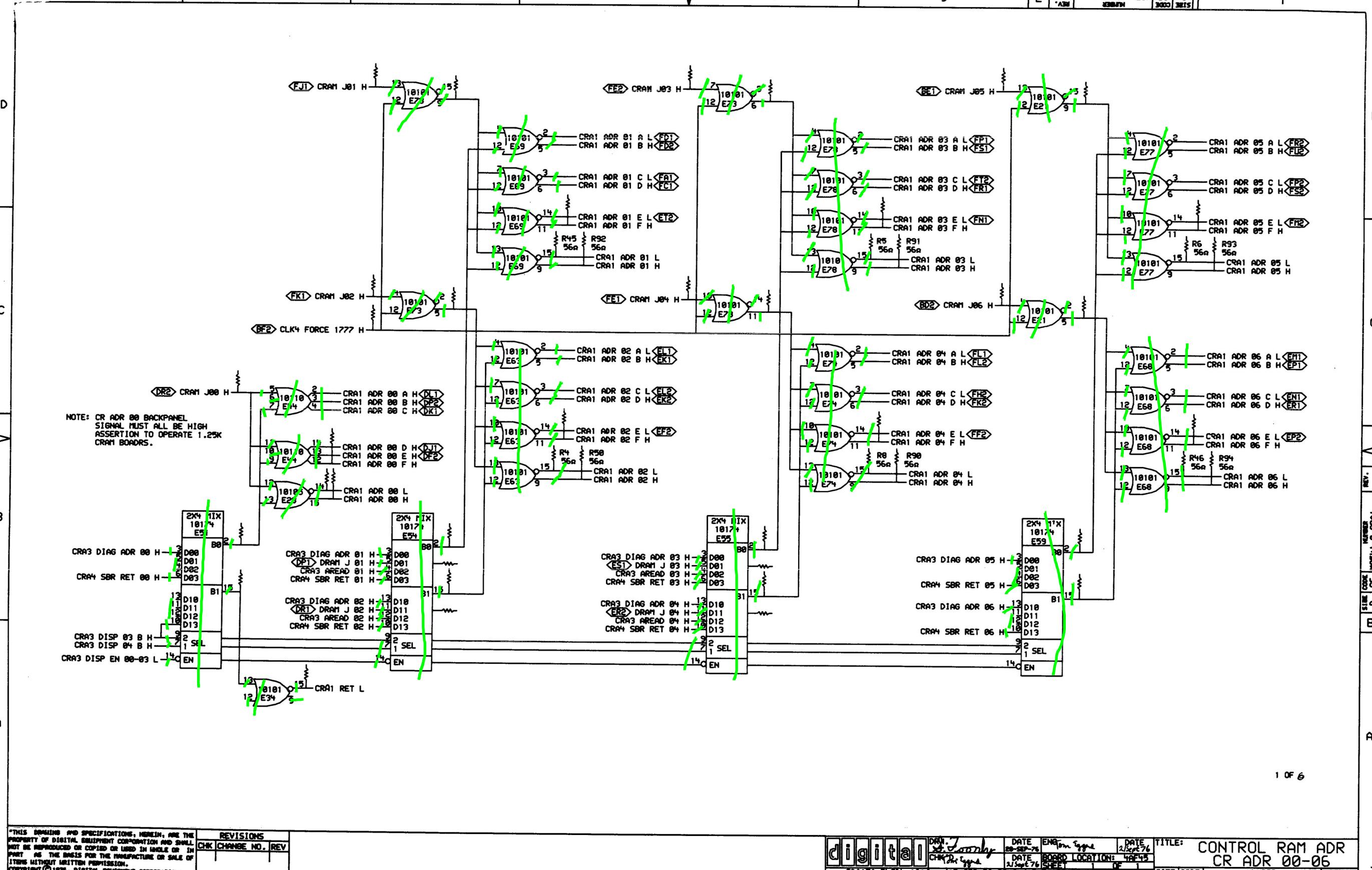


## NOTES

CHG NO	CHANGE REV

SIGNATURES DRN. <i>M. Deauville</i>	DATE 20 FEB 76	digital		
CHK'D. <i>R. Counter</i>	20 SEPT 76			
ENG. <i>Tom Tynes</i>	5 Oct 76	TITLE CONTROL		
PROJ. ENG. <i>T. Tynes</i>	5 Oct 76	RAM ADDRESS		
PROD. <i>Bell-Purdy</i>	15 Oct 76	SCALE 2 TO 1	SIZE D	CODE UA
SHT. 2 OF 5				NUMBER M8541-0-0
ETCH REV	FIRST USED. ON KLIQ	REV		

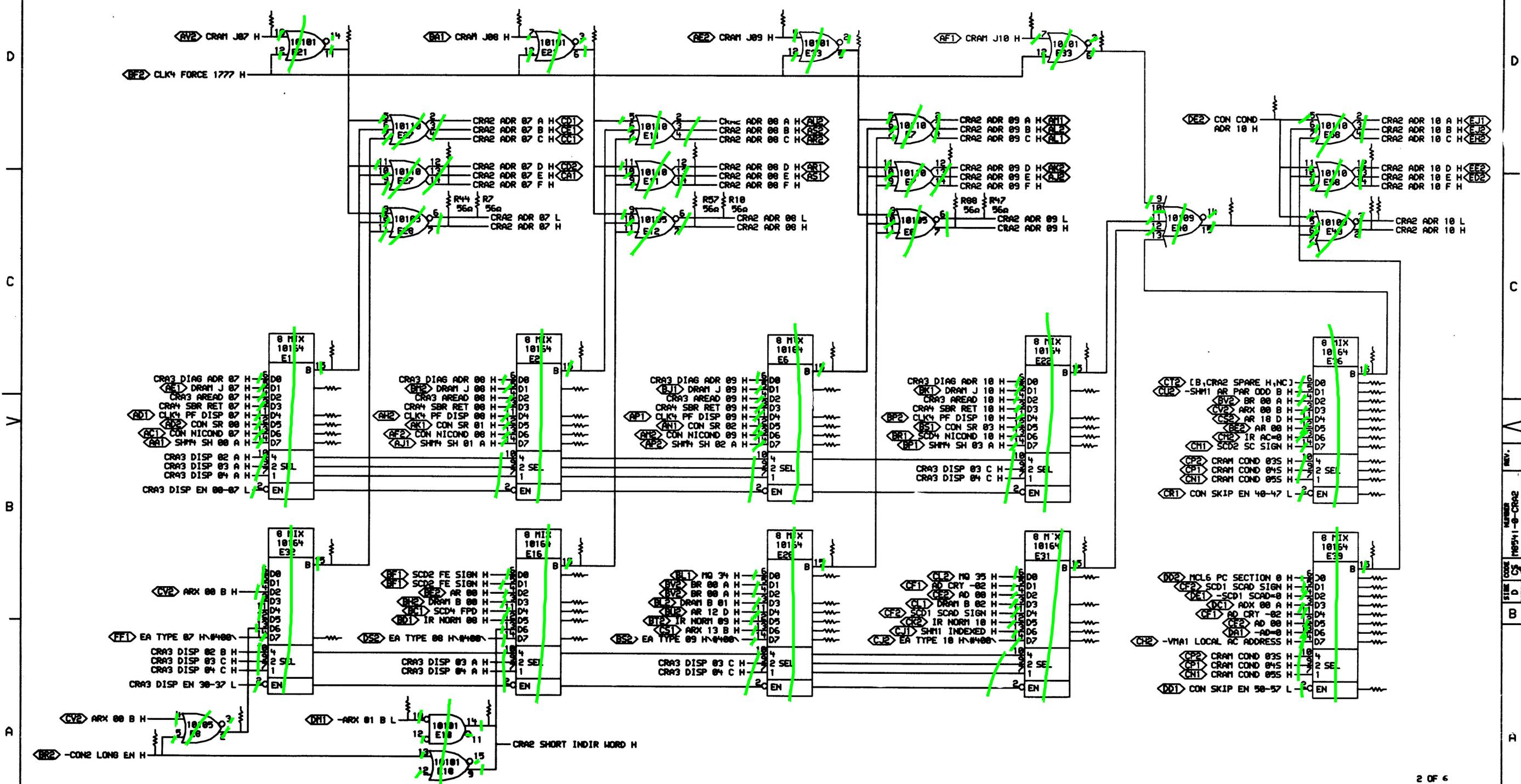
MR 1 MS# 30219



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REVISIONS	CHK	CHANGE NO.	REV

DATE	ENG. SIGNATURE	DATE	TITLE:
80-SEP-76	22-SEP-76	1-AUG-76	CONTROL RAM ADR
CRA1	4444	1-AUG-76	CR ADR 00-06
CRA1A.RLS(4,61)	117-SEP-76 22121	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL	KL10	SIZE CODE	NUMBER
	B-DD-M8541-0	D CS	M8541-0-CRA1

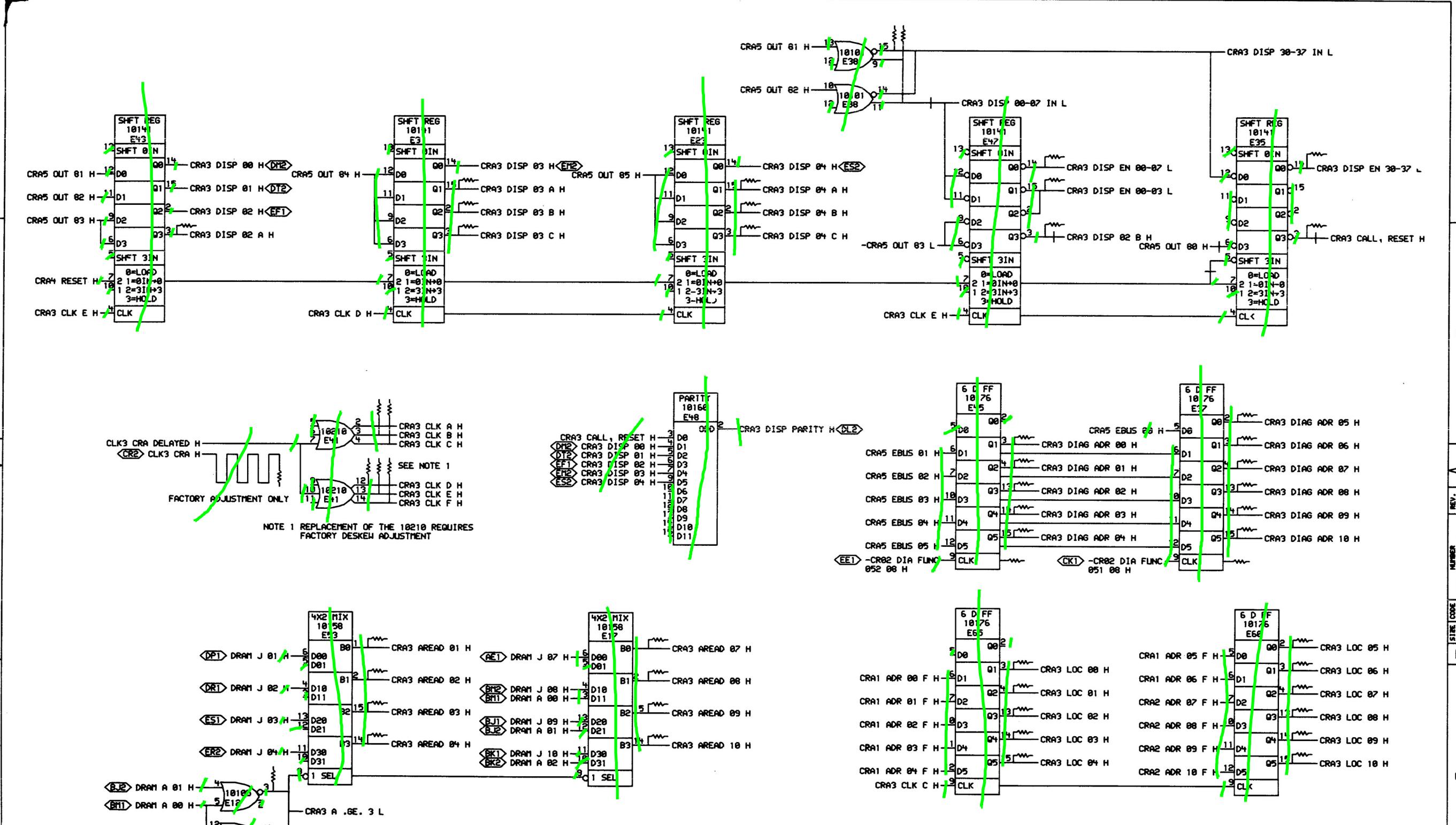


2 OF 6

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**REVISIONS**

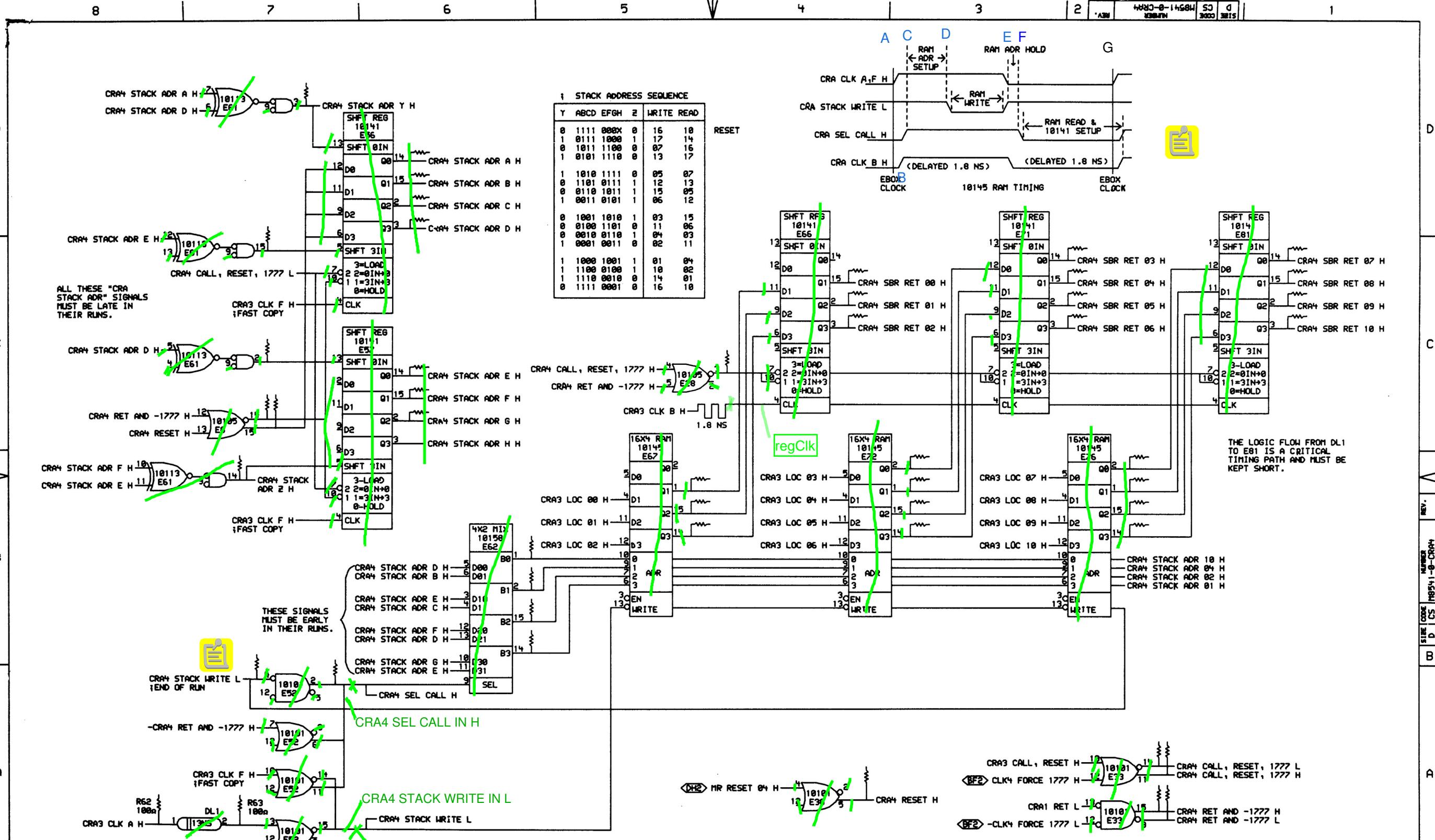
digital	DR. J. S. Farley C-7000-1	DATE 22-SEP-76	END 1pm 2pm	DATE 23-SEP-76	TITLE: CONTROL RAM ADR CR ADR 07-10		
		DATE 24-SEP-76	BOARD LOCATION: 40445	SHEET 1 OF 1	SIZE D	CODE CS	NUMBER M8541-0-CRA2
CRA2A, RLS 4.161		117-SEP-76 22:22	NEXT HIGHER ASSEMBLY:		REV.		
FIRST USED ON OPTION/MODEL:		KL10	B-DD-M8541-0				



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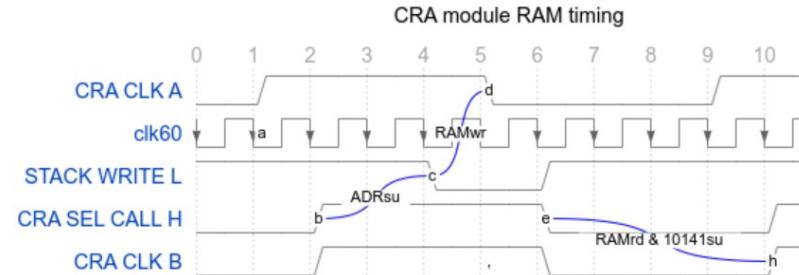
REVISIONS  
CHK C A GE NO. REV

DRW. /	20 SEP 76	DATE 17-SEP-76	EME 1000 Engne	DATE 26-SEP-76	TITLE: CONTROL RAM ADR
CHCR. S.	20 SEP 76	BOARD LOCATION: 4AF45	REGISTERS		SIZE CODE D CS NUMBER M8541-0-CRA3 REV.
CRA3A.RLSL4.161		20 SEP 76	17-SEP-76 22:23	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: KL10		B-DD-M8541-0			

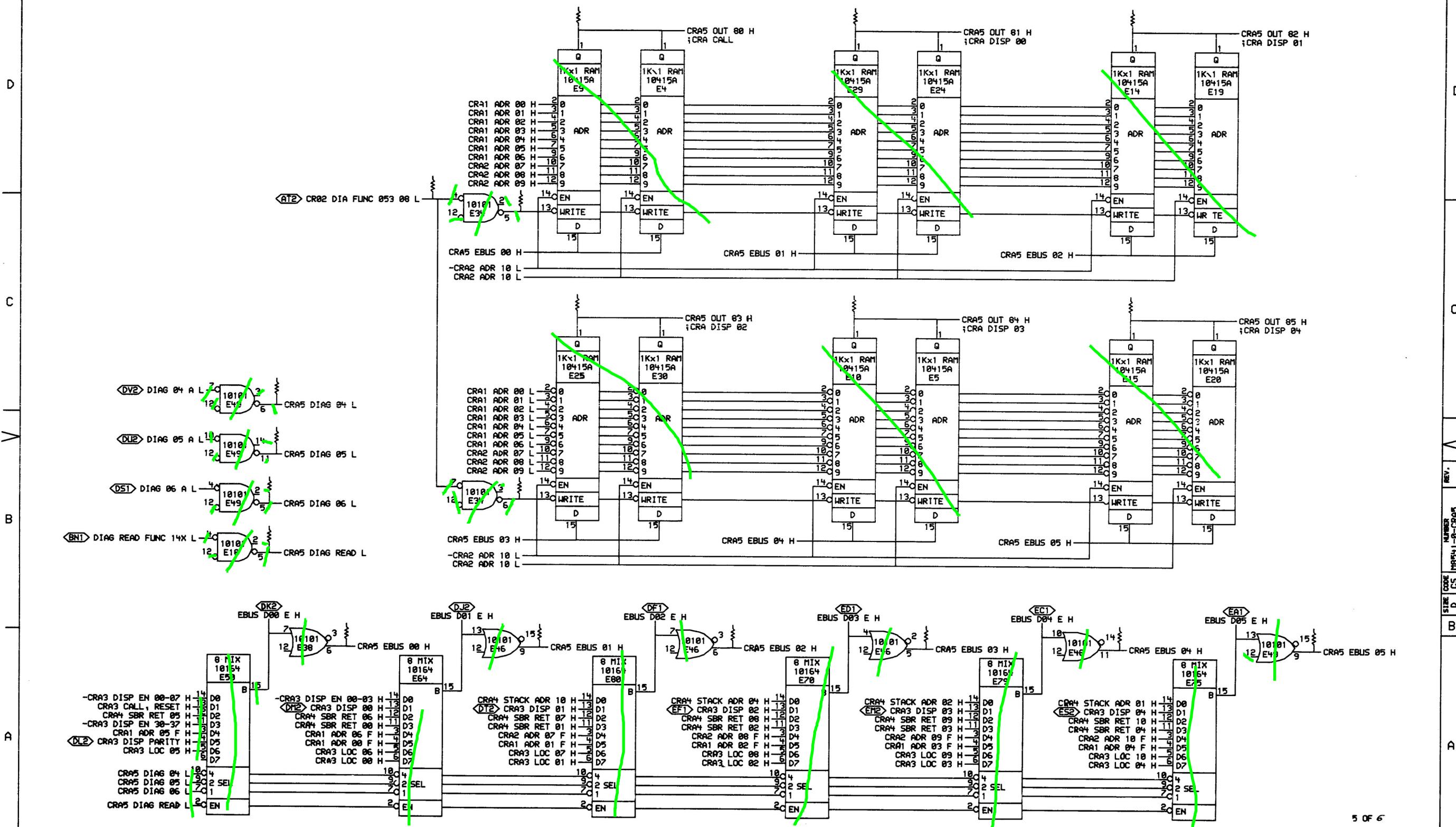


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REVISIONS		
CHK	CHANGE NO.	REV



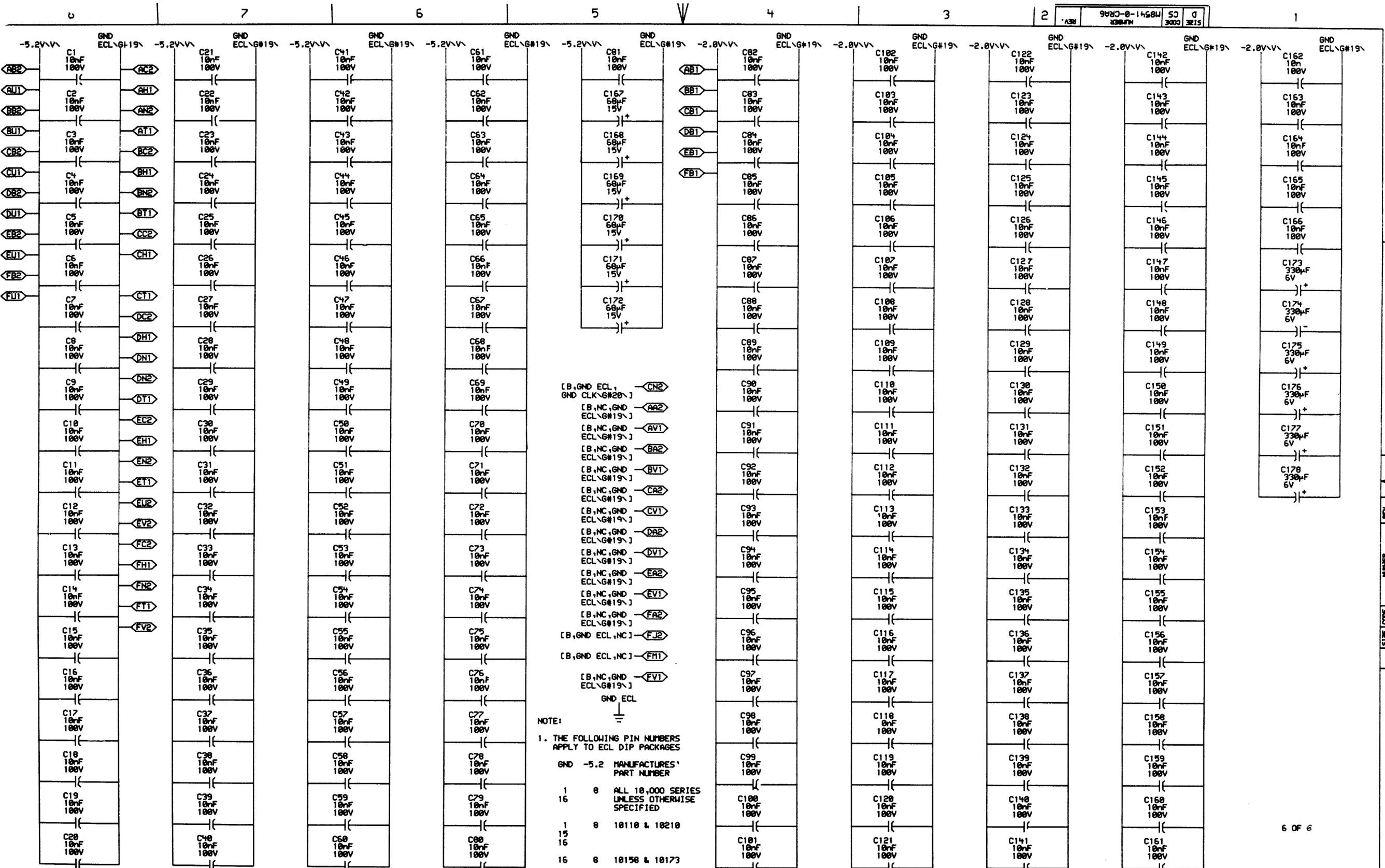
<b>digital</b>	DRW-1 x-early CMFD	DATE 20-SEP-75	END TYPE Pm	DATE 23-Sept-76	TITLE: CONTROL RAM ADR SBR STACK			
CRA4EA.RLS4.151		DATE 21-SEP-76	BOARD LOCATION: 10F45	SHEET 1 OF 1	SIZE D	CODE CS	NUMBER M8541-0-CRA4	REV.
FIRST USED ON OPTION/MODEL: KL10		NEXT HIGHER ASSEM LY: B-DD-M8541-0						



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THE ALL IN	REVISIONS		
	CHK	CHANGE NO.	RE

<b>digital</b>	DES. <i>J. J. Murphy</i> CHAD <i>Print type</i>	DATE <b>17 SEP 76</b> <b>22:24</b>	ENG. <b>192M</b> <b>B-23541-0</b>	DATE <b>23 SEP 76</b> <b>22:24</b>	TITLE: <b>CONTROL RAM ADR 2K RAM &amp; DIAG</b>		
CRA541-0514-151		DATE <b>23 SEP 76</b> <b>22:24</b>	BOARD LOCATION: <b>KA4F45</b> <b>Sheet 1 of 1</b>				
FIR T USED ON OPTION MODEL: <b>KL10</b>		NEXT HIGHER ASSEMBLY: <b>B-D-M8541-0</b>		SIZE <b>D</b>	CODE <b>CS</b>	NUMBER <b>M8541-0-CRA5</b>	REV. <b>.</b>



REVISIONS

CHK	CHANGE NO.	REV.
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DATE: 20-SEP-76  
ENGINEER: [Signature]  
CNCPC: [Signature]

BOARD LOCATION: 4A445 SHEET 1 OF 1

FIR T USED ON OPTION/MODEL: KL10 B-DD-M8541-0

TITLE: CONTROL RAM ADR POWER, GND, CAPS

SIZE CODE NUMBER REV.

D CS M8541-0-CRA6

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RESISTOR LOCK(PIN)	SHOWN	ON	REF	VALUE	TERMINATES SIGNAL	RESISTOR LOCK(PIN)	SHOWN	ON	REF	VALUE	TERMINATES SIGNAL	RESISTOR LOCK(PIN)	SHOWN	ON	REF	VALUE	TERMINATES SIGNAL	RESISTOR LOCK(PIN)	SHOWN	ON	REF	VALUE	TERMINATES SIGNAL
R63(1)	CRA4	A7	100Ω	XE1(12)		R192(1)	CRA1	D4	56Ω	XE73(6)		R53(1)	CRA1	B7	56Ω	CRA1 ADR 00 H		R109(1)	CRA3	A6	68Ω	CRA3 AREAD 04 H	
R101(1)	CRA2	C7	68Ω	XE1(15)		R186(1)	CRA1	D6	68Ω	XE73(9)		R3(1)	CRA1	B7	68Ω	-CRA1 ADR 00 H		R197(1)	CRA3	B5	68Ω	CRA3 AREAD 07 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		R13(1)	CRA3	A5	68Ω	CRA3 AREAD 08 H	
R210(1)	CRA2	C5	68Ω	XE2(15)		R42(1)	CRA4	B2	68Ω	XE76(14)		R92(1)	CRA1	C5	56Ω	CRA1 ADR 01 H		R209(1)	CRA3	A5	68Ω	CRA3 AREAD 09 H	
R100(1)	CRA2	D7	68Ω	XE21(11)		R38(1)	CRA4	B2	68Ω	XE76(15)		R45(1)	CRA1	C5	56Ω	-CRA1 ADR 01 H		R151(1)	CRA3	A5	68Ω	CRA3 AREAD 10 H	
R256(1)	CRA1	C2	68Ω	XE21(5)		R35(1)	CRA4	B2	68Ω	XE76(2)		R81(1)	CRA1	C5	68Ω	CRA1 ADR 01 F H		R107(1)	CRA3	C1	68Ω	CRA3 CALL, RESET H	
R144(1)	CRA2	D5	68Ω	XE21(6)		R28(1)	CRA4	C7	68Ω	XE8(14)		R50(1)	CRA1	B5	56Ω	CRA1 ADR 02 H		R62(1)	CRA4	A8	100Ω	CRA3 CLK A H	
R262(1)	CRA1	D2	68Ω	XE21(9)		R68(1)	CRA4	C7	68Ω	XE8(15)		R44(1)	CRA1	B5	56Ω	-CRA1 ADR 02 H		R41(1)	CRA3	C6	68Ω	CRA3 CLK B 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		R122(1)	CRA3	C6	68Ω	CRA3 CLK C 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		R95(1)	CRA3	B6	68Ω	CRA3 CLK D 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		R14(1)	CRA3	B6	68Ω	CRA3 CLK E H	
R162(1)	CRA2	B3	68Ω	XE31(15)		R244(1)	CRA2	A1	68Ω	-AD=0 H		R129(1)	CRA1	C3	68Ω	CRA1 ADR 03 F H		R26(1)	CRA3	B6	68Ω	CRA3 CLK F H	
R98(1)	CRA2	B7	68Ω	XE32(15)		R166(1)	CRA2	B1	68Ω	ADX 00 A H		R90(1)	CRA1	B3	56Ω	CRA1 ADR 04 H		R111(1)	CRA3	C3	68Ω	CRA3 DIAG ADR 00 H	
R143(1)	CRA2	D4	68Ω	XE33(5)		R231(1)	CRA2	B1	68Ω	AR 00 H		R6(1)	CRA1	B3	56Ω	-CRA1 ADR 04 H		R176(1)	CRA3	B3	68Ω	CRA3 DIAG ADR 01 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		R172(1)	CRA3	B3	68Ω	CRA3 DIAG ADR 02 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		R115(1)	CRA3	B3	68Ω	CRA3 DIAG ADR 03 H	
R2(1)	CRA5	B6	68Ω	XE34(6)		R35(1)	CRA2	B1	68Ω	ARX 00 B H		R6(1)	CRA1	C2	56Ω	-CRA1 ADR 05 H		R110(1)	CRA3	B3	68Ω	CRA3 DIAG ADR 04 H	
R165(1)	CRA2	C1	68Ω	XE36(15)		R96(1)	CRA2	A6	68Ω	ARX 01 B H		R173(1)	CRA1	C1	68Ω	CRA1 ADR 05 F H		R184(1)	CRA3	C2	68Ω	CRA3 DIAG ADR 05 H	
R253(1)	CRA2	B1	68Ω	XE39(15)		R220(1)	CRA2	A4	68Ω	ARX 13 B H		R94(1)	CRA1	B1	56Ω	CRA1 ADR 06 H		R177(1)	CRA3	C2	68Ω	CRA3 DIAG 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		R196(1)	CRA3	B2	68Ω	CRA3 DIAG ADR 07 H	
R59(1)	CRA1	B7	68Ω	XE51(15)		R188(1)	CRA3	B7	68Ω	CLK3 CRA H		R121(1)	CRA1	B1	68Ω	CRA1 ADR 06 F H		R142(1)	CRA3	B2	68Ω	CRA3 DIAG ADR 08 H	
R97(1)	CRA1	B7	68Ω	XE51(2)		R255(1)	CRA1	C6	68Ω	CLK4 FORCE 1777 H		R182(1)	CRA1	A7	68Ω	-CRA1 RET H		R205(1)	CRA3	B2	68Ω	CRA3 DIAG ADR 09 H	
R258(1)	CRA1	B6	68Ω	XE54(15)		R198(1)	CRA2	B7	68Ω	CLK4 PF DISP 07 H		R44(1)	CRA2	C6	56Ω	CRA2 ADR 07 H		R156(1)	CRA3	B2	68Ω	CRA3 DIAG ADR 10 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		R61(1)	CRA3	D3	68Ω	-CRA3 DISP 00-07 IN H	
R189(1)	CRA1	B4	68Ω	XE55(15)		R280(1)	CRA2	B4	68Ω	CLK4 PF DISP 09 H		R64(1)	CRA2	D6	68Ω	CRA2 ADR 07 F H		R132(1)	CRA3	C7	68Ω	CRA3 DISP 02 A 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		R217(1)	CRA3	C3	68Ω	CRA3 DISP 02 B H	
R257(1)	CRA1	B2	68Ω	XE59(15)		R252(1)	CRA2	D2	68Ω	CON COND ADR 10 H		R18(1)	CRA2	C5	56Ω	-CRA2 ADR 08 H		R211(1)	CRA3	D6	68Ω	CRA3 DISP 03 A H	
R261(1)	CRA1	B2	68Ω	XE59(2)		R19(1)	CR-2	B7	68Ω	CON NICOND 07 H		R123(1)	CRA2	D5	68Ω	CRA2 ADR 08 F H		R182(1)	CRA3	D6	68Ω	CRA3 DISP 03 B H	
R140(1)	CRA2	C4	68Ω	XE61(15)		R131(1)	CRA2	B6	68Ω	CON NICOND 08 H		R68(1)	CRA2	C3	56Ω	CRA2 ADR 09 H		R229(1)	CRA3	C6	68Ω	CRA3 DISP 03 C H	
R67(1)	CRA4	C7	68Ω	XE61(15)		R201(1)	CRA2	B4	68Ω	CON NICOND 09 H		R47(1)	CRA2	C3	56Ω	-CRA2 ADR 09 H		R216(1)	CRA3	D4	68Ω	CRA3 DISP 04 A 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		R185(1)	CRA3	D4	68Ω	CRA3 DISP 04 B H	
R71(1)	CRA4	B5	68Ω	XE67(1)		R167(1)	CRA2	A1	68Ω	-CON SKIP EN 58-57 H		R51(1)	CRA2	C1	68Ω	CRA2 ADR 10 H		R226(1)	CRA3	C4	68Ω	CRA3 DISP 04 C 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		R12(1)	CRA3	D4	68Ω	-CRA3 DISP 30-37 IN H	
R22(1)	CRA4	B5	68Ω	XE67(15)		R138(1)	CRA2	B6	68Ω	CON SR 01 H		R127(1)	CRA2	D1	68Ω	CRA2 ADR 10 F H		R183(1)	CRA3	D3	68Ω	-CRA3 DISP EN 00-03 H	
R75(1)	CRA4	B3	68Ω	XE72(1)		R284(1)	CRA2	B4	68Ω	CON SR 02 H		R148(1)	CRA2	A6	68Ω	CRA2 SHORT INDIR WORD H		R202(1)	CRA3	D3	68Ω	-CRA3 DISP EN 00-07 H	
R79(1)	CRA4	B3	68Ω	XE72(14)		R149(1)	CRA2	B3	68Ω	CON SR 03 H		R246(1)	CRA2	C1	68Ω	CRA2 SPARE H		R178(1)	CRA3	D1	68Ω	-CRA3 DISP EN 30-37 H	
R28(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		R38(1)	CRA3	B3	68Ω	CRA3 LOC 00 H	
R74(1)	CRA4	B3	68Ω	XE72(2)		R159(1)	CRA3	B2	68Ω	-CR02 DIA FUNC 051 00 H		R181(1)	CRA3	B6	68Ω	CRA3 AREAD 01 H		R86(1)	CRA3	A3	68Ω	CRA3 LOC 01 H	
R190(1)	CRA1	C4	68Ω	XE73(11)		R169(1)	CRA3	B3	68Ω	-CR02 DIA FUNC 052 00 H		R171(1)	CRA3	A6	68Ω	CRA3 AREAD 02 H		R25(1)	CRA3	A3	68Ω	CRA3 LOC 02 H	
R251(1)	CRA1	C6	68Ω	XE73(5)		R58(1)	CRA3	C5	68Ω	-CR02 DIA FUNC 053 00 H		R112(1)	CRA3	A6	68Ω	CRA3 AREAD 03 H		R33(1)	CRA3	A3	68Ω	CRA3 LOC 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

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**THE  
MILL** REVISIONS

digit a  
Digitale

DRN. - C Smith  
CHG'D John Eggers  
15-1 12-58-75

DATE 17-SEP-76	END 10 AM 8/1
DATE 23 SEP 76	BOARD L SHEET 1

<i>name</i>	DATE 23 SEP 76
LOCATION:	1 OF 2
SEARCHED	S

**ITLE: CONTROL  
REF ID: A12345**

ROL RAM A  
TERMINATORS

DR

352

D	RESISTOR	SHOWN ON	DRW#	REF	VALUE	TERMINATES	SIGNAL	RESISTOR	SHOWN ON	DRW#	REF	VALUE	TERMINATES	SIGNAL	RESISTOR	SHOWN ON	DRW#	REF	VALUE	TERMINATES	SIGNAL		
R32(1)	CRA3	A3	68a			CRA3 LOC 04 H		R87(1)	CRA5	B7	68a		-CRA5 DIAG 06 H		R147(1)	CRA2	A6	68a		EA TYPE 06 H#400\			
R29(1)	CRA3	B1	68a			CRA3 LOC 05 H		R88(1)	CRA5	B7	68a		-CRA5 DIAG READ H		R219(1)	CRA2	A4	68a		EA TYPE 09 H#400\			
R28(1)	CRA3	B1	68a			CRA3 LOC 06 H		R48(1)	CRA5	A7	68a		CRA5 EBUS 00 H		R225(1)	CRA2	A3	68a		EA TYPE 10 H#400\			
R37(1)	CRA3	A1	68a			CRA3 LOC 07 H		R58(1)	CRA5	A6	68a		CRA5 EBUS 01 H		R161(1)	CRA2	B1	68a		IR AC=0 H			
R36(1)	CRA3	A1	68a			CRA3 LOC 08 H		R52(1)	CRA5	A4	68a		CRA5 EBUS 02 H		R207(1)	CRA2	B6	68a		IR NORM 08 H			
R34(1)	CRA3	A1	68a			CRA3 LOC 09 H		R11(1)	CRA5	A3	68a		CRA5 EBUS 03 H		R223(1)	CRA2	B4	68a		IR NORM 09 H			
R31(1)	CRA3	A1	68a			CRA3 LOC 10 H		R1(1)	CRA5	A2	68a		CRA5 EBUS 04 H		R235(1)	CRA2	B3	68a		IR NORM 10 H			
R184(1)	CRA4	A2	68a			CRA4 CALL, RESET, 1777 H		R9(1)	CRA5	A1	68a		CRA5 EBUS 05 H		R248(1)	CRA2	B1	68a		MCL6 PC SECTION 0 H			
R23(1)	CRA4	A2	68a			-CRA4 CALL, RESET, 1777 H		R13(1)	CRA5	D5	68a		CRA5 OUT 00 H		R230(1)	CRA2	B4	68a		MQ 3\ H			
R139(1)	CRA4	A4	68a			CRA4 RESET H		R15(1)	CRA5	D4	68a		CRA5 OUT 01 H		R234(1)	CRA2	B3	68a		SCD1 SCAD SIGN H			
R54(1)	CRA4	A2	68a			CRA4 RET AND -1777 H		R16(1)	CRA5	D2	68a		CRA5 OUT 02 H		R245(1)	CRA2	B1	68a		-SCD1 SCAD=0 H			
R19(1)	CRA4	A2	68a			-CRA4 RET AND -1777 H		R64(1)	CRA5	C5	68a		CRA5 OUT 03 H		R243(1)	CRA2	B1	68a		SCD2 FE SIGN H			
R112(1)	CRA4	C4	68a			CRA4 SBR RET 00 H		R89(1)	CRA5	C4	68a		CRA5 OUT 04 H		R215(1)	CRA2	B6	68a		SCD2 SC SIGN H			
R188(1)	CRA4	C4	68a			CRA4 SBR RET 01 H		R99(1)	CRA5	C2	68a		CRA5 OUT 05 H		R160(1)	CRA2	B1	68a		SCD4 NICOND 10 H			
R176(1)	CRA4	C4	68a			CRA4 SBR RET 02 H		R242(1)	CRA2	B1	68a		CRAM COND 005 H		R239(1)	CRA2	C1	68a		-SHM1 AR PAR ODD B H			
R118(1)	CRA4	C2	68a			CRA4 SBR RET 03 H		R247(1)	CRA2	B1	68a		CRAM COND 005 H		R226(1)	CRA2	A3	68a		SHM1 INDEXED H			
R114(1)	CRA4	C2	68a			CRA4 SBR RET 04 H		R246(1)	CRA2	B1	68a		CRAM COND 005 H		R193(1)	CRA2	B7	68a		SHM4 SH 00 A H			
R174(1)	CRA4	C2	68a			CRA4 SBR RET 05 H		R105(1)	CRA1	C7	68a		CRAM J00 H		R137(1)	CRA2	B6	68a		SHM4 SH 01 A H			
R186(1)	CRA4	C2	68a			CRA4 SBR RET 06 H		R258(1)	CRA1	D6	68a		CRAM J01 H		R286(1)	CRA2	B4	68a		SHM4 SH 02 A H			
R195(1)	CRA4	C1	68a			CRA4 SBR RET 07 H		R263(1)	CRA1	D6	68a		CRAM J02 H		R154(1)	CRA2	B3	68a		SHM4 SH 03 A H			
R133(1)	CRA4	C1	68a			CRA4 SBR RET 08 H		R259(1)	CRA1	D4	68a		CRAM J03 H		R168(1)	CRA2	A1	68a		-VMA1 LOCAL AC ADDRESS H			
R288(1)	CRA4	C1	68a			CRA4 SBR RET 09 H		R260(1)	CRA1	C4	68a		CRAM J04 H										
R155(1)	CRA4	C1	68a			CRA4 SBR RET 10 H		R213(1)	CRA1	D3	68a		CRAM J05 H										
R24(1)	CRA4	A7	68a			CRA4 SEL CALL H		R221(1)	CRA1	C3	68a		CRAM J06 H										
R128(1)	CRA4	B5	68a			CRA4 STACK ADR 01 H		R218(1)	CRA2	D7	68a		CRAM J07 H										
R129(1)	CRA4	B5	68a			CRA4 STACK ADR 02 H		R222(1)	CRA2	D5	68a		CRAM J08 H										
R124(1)	CRA4	B5	68a			CRA4 STACK ADR 04 H		R103(1)	CRA2	D4	68a		CRAM J09 H										
R82(1)	CRA4	B5	68a			CRA4 STACK ADR 10 H		R106(1)	CRA2	D3	68a		CRAM J10 H										
R69(1)	CRA4	D6	68a			CRA4 STACK ADR A H		R214(1)	CRA2	B6	68a		DRAM B 00 H										
R26(1)	CRA4	D6	68a			CRA4 STACK ADR B H		R227(1)	CRA2	B4	68a		DRAM B 01 H										
R27(1)	CRA4	D6	68a			CRA4 STACK ADR C H		R233(1)	CRA2	B3	68a		DRAM B 02 H										
R73(1)	CRA4	D6	68a			CRA4 STACK ADR D H		R179(1)	CRA1	B6	68a		DRAM J 01 H										
R65(1)	CRA4	C6	68a			CRA4 STACK ADR E H		R175(1)	CRA1	B6	68a		DRAM J 02 H										
R78(1)	CRA4	C6	68a			CRA4 STACK ADR F H		R116(1)	CRA1	B4	68a		DRAM J 03 H										
R21(1)	CRA4	C6	68a			CRA4 STACK ADR G H		R113(1)	CRA1	B4	68a		DRAM J 04 H										
R66(1)	CRA4	D7	68a			CRA4 STACK ADR Y H		R146(1)	CRA2	C7	68a		DRAM J 07 H										
R22(1)	CRA4	B7	68a			CRA4 STACK ADR Z H		R135(1)	CRA2	C6	68a		DRAM J 08 H										
R18(1)	CRA4	A7	68a			-CRA4 STACK WRITE H		R203(1)	CRA2	C4	68a		DRAM J 09 H										
R65(1)	CRA5	C7	68a			-CRA5 DIAG 04 H		R152(1)	CRA2	C3	68a		DRAM J 10 H										
R83(1)	CRA5	B7	68a			-CRA5 DIAG 05 H		R150(1)	CRA2	A7	68a		EA TYPE 07 H#400\										

## 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

353

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REVISIONS		
CHK	CHANGE NO.	REV

DRN: C Smith DATE: 17-SEP-76 ENG: m. tigge DATE: 17-SEP-76 TITLE: CONTROL RAM ADR TERMINATORS  
 CHKA-1 page 2 of 2 BOARD LOCATION: 2 SEPTEMBER 1976 SHEET 2 OF 2 FIRST USED ON OPTION/MODEL: KL10 B-00-M8541-0 REV: D CS SIZE CODE NUMBER D CS M8541-0-RES