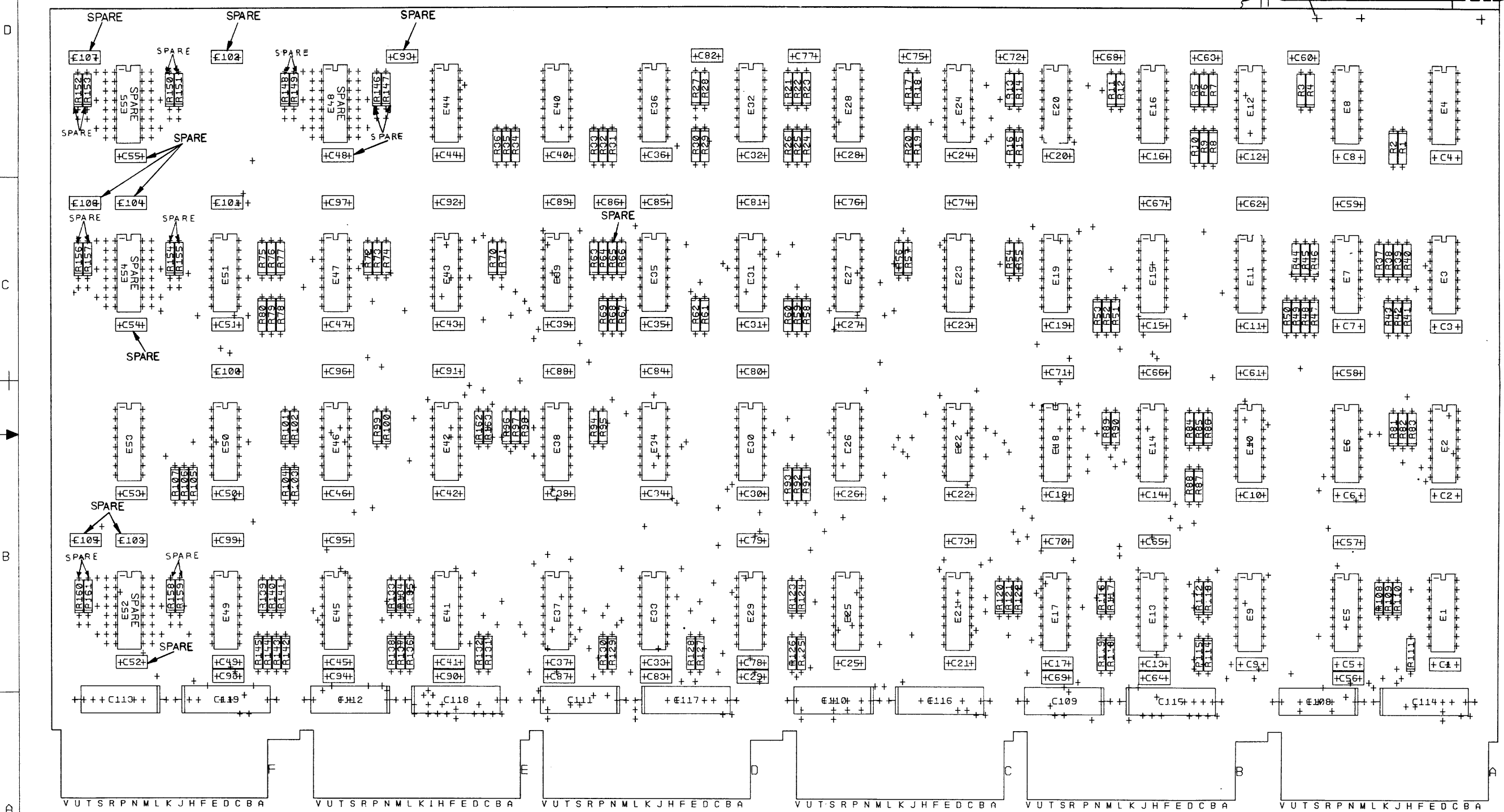


[illegible]

MR

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2 1
DUA M8543-0-0
COMPONENT SIDE VIEW
QTY. 12



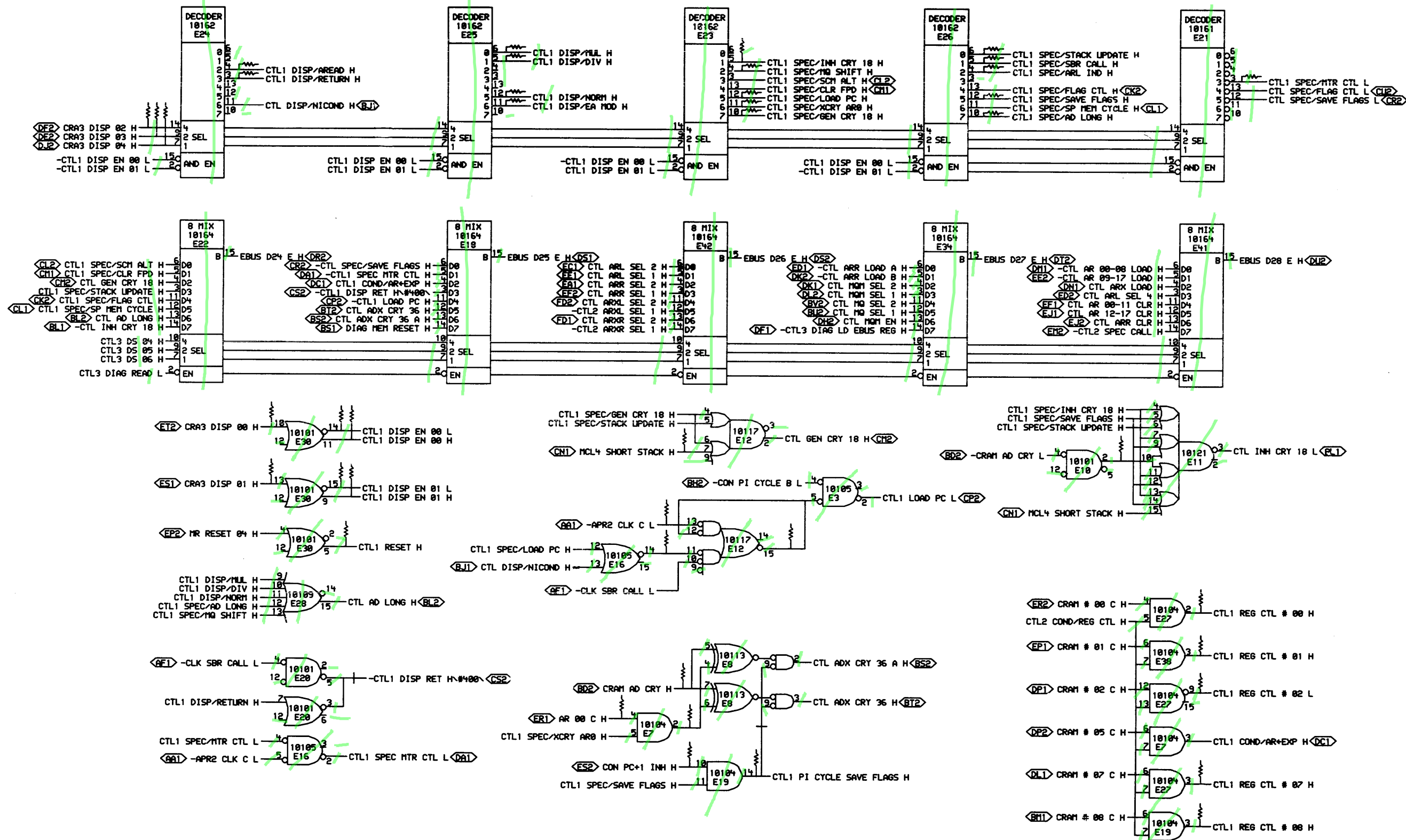
NOTES:

CHK CHANGE NO REV

SIGNATURES		DATE	digital	
DRN. J. B. 6/10/75		6/10/75		
CHK'D. J. B. 6/10/75		6/10/75	TITLE	
ENG. J. B. 6/10/75		6/10/75		
PROJ. ENG. J. B. 6/10/75		6/10/75		
PROD. W. B. 6/10/75		6/10/75		
SCALE 2/1		SIZE CODE	NUMBER	REV
SHT. 2 OF 5		D UA	M8543-0-0	
ETCH REV A		FIRST USED ON KLI0-PV		

365

1 MS#30220



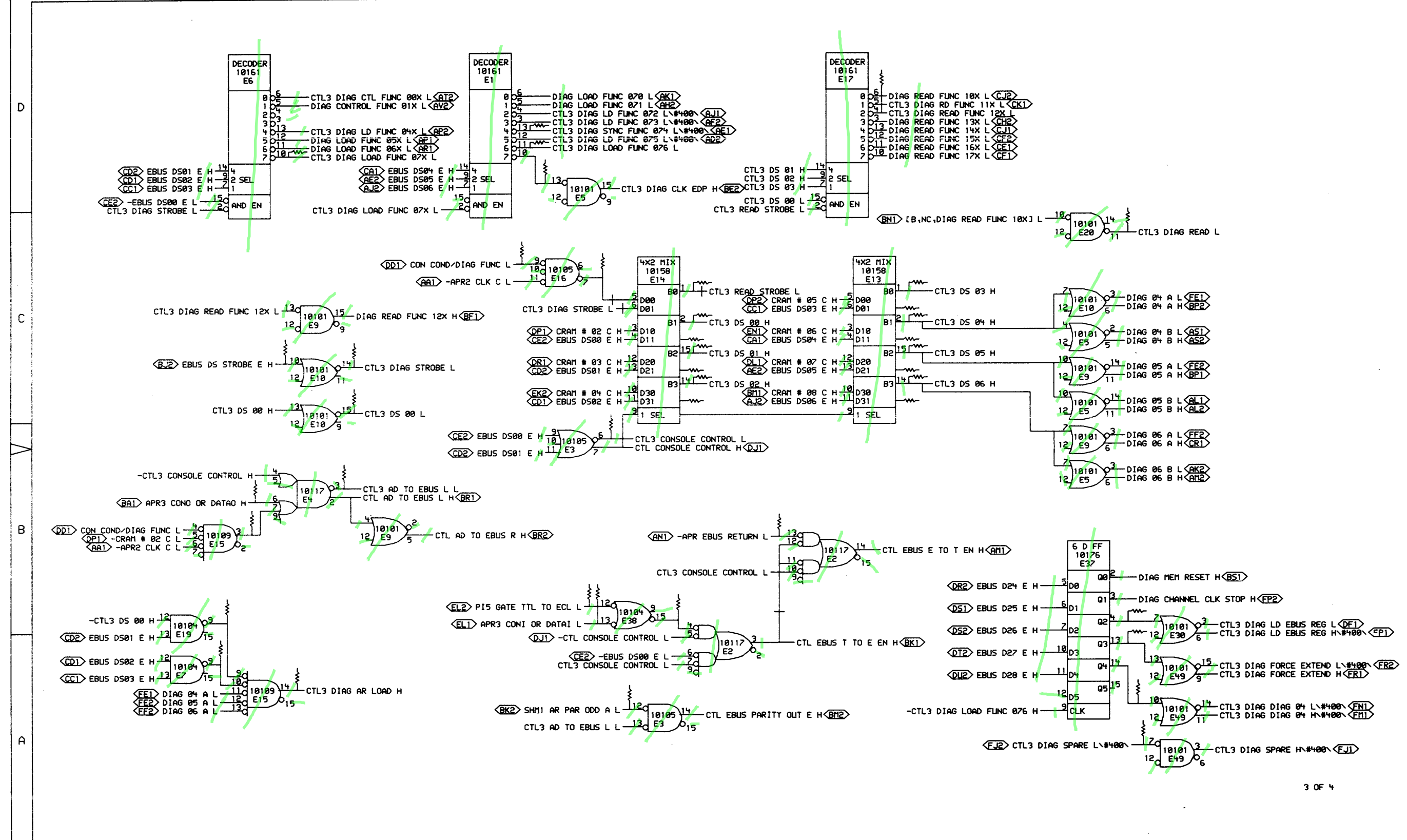
1 OF 4

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REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG	DATE	TITLE
	25 JAN 77	10m Ego	25 JAN 77	EBOX CONTROL #1 SPEC/FLINC & DIAG
CTL1A.RLS/4.682	DATE	BOARD LOCATION	48F36	SIZE
FIRST USED ON OPTION MODEL: KL10-PV	24 JAN 77	21128	NEXT HIGHER ASSEMBLY:	D
			B-DD-M8543-0	CS
				NUMBER
				REV.

366



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REVISIONS	
CHK	CHANGE NO. REV

digital	DATE 25 JAN 77	ENG. BY [Signature]	DATE 25 JAN 77	TITLE: EBOX CONTROL #1 CONSOLE FUNCTIONS
CTL3EA,RLSC4,602	24 JAN 77	21:58	NEXT HIGHER ASSEMBLY: B-DD-M8543-0	SIZE CODE D CS
FIRST USED ON OPTION/MODEL: KL10-PV				NUMBER M8543-0-CTL3
				REV.

8

7

6

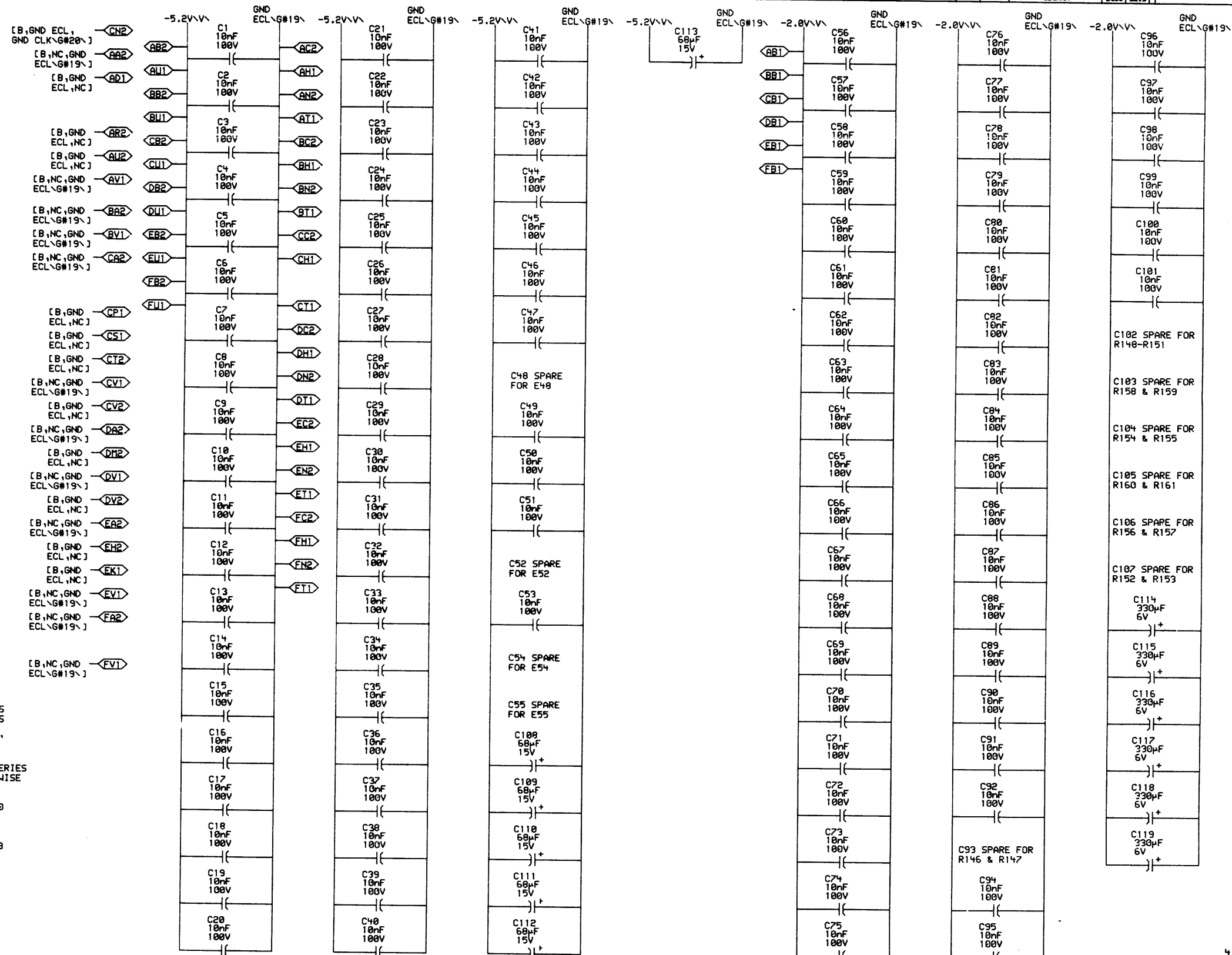
5

4

3

2

1



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REVISIONS		
CHK	CHANGE NO.	REV

digital

DATE 25-JAN-77

ENG Tom Gage

DATE 25-JAN-77

BOARD LOCATION: 4AF36

SHEET 1 OF 1

TITLE: EBOX CONTROL #1 POWER, GND, CAPS

CTL4EA.RLSCH.6021

124 JAN-77 21:19

NEXT HIGHER ASSEMBLY:

B-DD-M8543-0

SIZE CODE

D CS

NUMBER

M8543-0-CTL4

REV.

4 OF 4

8

7

6

5

4

3

2

1

M8543-0-RES
REV. 1
CS 3000
3E15

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R100(1)	CTL3	D5	68n	%E1(10)
R50(1)	CTL1	B2	68n	%E10(2)
R40(1)	CTL1	B4	68n	%E12(15)
R1(1)	CTL3	B7	68n	%E15(3)
R9(1)	CTL1	B5	68n	%E16(14)
R90(1)	CTL3	C5	68n	%E16(7)
R52(1)	CTL3	B7	68n	%E19(9)
R29(1)	CTL2	B2	68n	%E32(14)
R20(1)	CTL2	C2	68n	%E32(2)
R27(1)	CTL2	C2	68n	%E32(3)
R61(1)	CTL2	B7	68n	%E33(14)
R102(1)	CTL2	B7	68n	%E33(15)
R30(1)	CTL2	B2	68n	%E35(14)
R139(1)	CTL3	B2	68n	%E37(13)
R145(1)	CTL3	A2	68n	%E37(14)
R92(1)	CTL3	B2	68n	%E37(4)
R130(1)	CTL2	C7	68n	%E39(14)
R03(1)	CTL3	B5	68n	%E39(15)
R66(1)	CTL2	B7	68n	%E39(1)
R55(1)	CTL2	D7	68n	%E43(14)
R140(1)	CTL2	D7	68n	%E43(2)
R104(1)	CTL2	D2	68n	%E44(2)
R106(1)	CTL2	D2	68n	%E47(15)
R00(1)	CTL2	C7	68n	%E49(2)
R99(1)	CTL2	C6	68n	%E51(14)
R32(1)	CTL2	C5	68n	%E51(2)
R74(1)	CTL2	C5	68n	%E51(3)
R67(1)	CTL2	B4	68n	%E51(9)
R3(1)	CTL1	A5	68n	%E7(2)
R51(1)	CTL3	A7	68n	%E7(9)
R01(1)	CTL3	B4	68n	APR EBUS RETURN H
R5(1)	CTL1	B5	68n	APR2 CLK C H
R95(1)	CTL3	B5	68n	-APR3 CONI OR DATAI H
R62(1)	CTL3	B7	68n	APR3 CONO OR DATAO H
R45(1)	CTL1	A5	68n	AR 00 C H
R143(1)	CTL2	C7	68n	ARX 18 B H
R105(1)	CTL2	C2	68n	CLK RESP SIM H
R101(1)	CTL2	C2	68n	CLK4 RESP MBOX H
R124(1)	CTL2	A4	68n	-CON COND EN 00-07 H
R10(1)	CTL3	C6	68n	-CON COND/DIAG FUNC H

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R76(1)	CTL2	D5	68n	CON FM XFER H
R53(1)	CTL1	A5	68n	CON PC+1 INH H
R93(1)	CTL1	B7	68n	CRA3 DISP 00 H
R91(1)	CTL1	B7	68n	CRA3 DISP 01 H
R13(1)	CTL1	D8	68n	CRA3 DISP 02 H
R16(1)	CTL1	D7	68n	CRA3 DISP 03 H
R19(1)	CTL1	D7	68n	CRA3 DISP 04 H
R56(1)	CTL2	A7	68n	CRAM # 00 C H
R94(1)	CTL2	C7	68n	CRAM # 01 C H
R09(1)	CTL2	C8	68n	CRAM # 02 C H
R04(1)	CTL2	B8	68n	CRAM # 03 C H
R00(1)	CTL2	B8	68n	CRAM # 04 C H
R40(1)	CTL2	B8	68n	CRAM # 05 C H
R117(1)	CTL2	A7	68n	CRAM # 06 C H
R112(1)	CTL2	A7	68n	CRAM # 07 C H
R63(1)	CTL2	A7	68n	CRAM # 08 C H
R4(1)	CTL1	A5	68n	CRAM AD CRY H
R69(1)	CTL2	A7	68n	CRAM ARM SEL 1 H
R34(1)	CTL2	A7	68n	CRAM ARM SEL 2 H
R60(1)	CTL2	A7	68n	CRAM ARM SEL 4 H
R107(1)	CTL2	D2	68n	CRAM ARXM SEL 1 H
R77(1)	CTL2	C5	68n	CRAM ARXM SEL 2 H
R137(1)	CTL2	C4	68n	CRAM ARXM SEL 4 H
R123(1)	CTL2	A4	68n	-CRAM COND 03 A H
R126(1)	CTL2	A4	68n	-CRAM COND 04 A H
R125(1)	CTL2	A4	68n	-CRAM COND 05 A H
R64(1)	CTL2	B3	68n	CRAM MQ SEL H
R14(1)	CTL1	B6	68n	CTL1 DISP EN 00 H
R120(1)	CTL1	B6	68n	-CTL1 DISP EN 00 H
R10(1)	CTL1	B6	68n	CTL1 DISP EN 01 H
R57(1)	CTL1	B6	68n	-CTL1 DISP EN 01 H
R96(1)	CTL1	D7	68n	CTL1 DISP/AREAD H
R23(1)	CTL1	D6	68n	CTL1 DISP/DIV H
R75(1)	CTL1	D6	68n	CTL1 DISP/EA MOD H
R21(1)	CTL1	D6	68n	CTL1 DISP/MUL H
R20(1)	CTL1	D6	68n	CTL1 DISP/NORM H
R15(1)	CTL1	D7	68n	CTL1 DISP/RETURN H
R2(1)	CTL1	A4	68n	CTL1 PI CYCLE SAVE FLAGS H
R142(1)	CTL1	B2	68n	CTL1 REG CTL # 00 H
R36(1)	CTL1	A2	68n	CTL1 REG CTL # 01 H

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R54(1)	CTL1	A2	68n	-CTL1 REG CTL # 02 H
R22(1)	CTL1	A2	68n	CTL1 REG CTL # 07 H
R26(1)	CTL1	A2	68n	CTL1 REG CTL # 08 H
R134(1)	CTL1	B6	68n	CTL1 RESET H
R17(1)	CTL1	D3	68n	CTL1 SPEC/AD LONG H
R60(1)	CTL1	D3	68n	CTL1 SPEC/ARL IND H
R6(1)	CTL1	D4	68n	CTL1 SPEC/GEN CRY 10 H
R44(1)	CTL1	D4	68n	CTL1 SPEC/INH CRY 10 H
R12(1)	CTL1	D4	68n	CTL1 SPEC/LOAD PC H
R24(1)	CTL1	D4	68n	CTL1 SPEC/MQ SHIFT H
R11(1)	CTL1	D2	68n	-CTL1 SPEC/MTR CTL H
R49(1)	CTL1	D3	68n	CTL1 SPEC/SAVE FLAGS H
R71(1)	CTL1	D3	68n	CTL1 SPEC/SBR CALL H
R7(1)	CTL1	D3	68n	CTL1 SPEC/STACK UPDATE H
R46(1)	CTL1	D4	68n	CTL1 SPEC/XCRY AR0 H
R33(1)	CTL2	A5	68n	CTL2 36 BIT EA H
R90(1)	CTL2	B6	68n	-CTL2 AR 00-11 CLR H
R129(1)	CTL2	B4	68n	CTL2 ARL IND H
R72(1)	CTL2	A7	68n	CTL2 ARL IND SEL 1 H
R31(1)	CTL2	A7	68n	CTL2 ARL IND SEL 2 H
R133(1)	CTL2	C7	68n	CTL2 ARX CLR H
R162(1)	CTL2	C2	68n	-CTL2 ARXL SEL 1 H
R163(1)	CTL2	C2	68n	-CTL2 ARXR SEL 1 H
R120(1)	CTL2	A4	68n	CTL2 COND/AR CLR H
R50(1)	CTL2	A4	68n	CTL2 COND/ARL IND H
R141(1)	CTL2	A4	68n	CTL2 COND/ARLL LOAD H
R35(1)	CTL2	A4	68n	CTL2 COND/ARLR LOAD H
R70(1)	CTL2	A4	68n	CTL2 COND/ARR LOAD H
R127(1)	CTL2	A4	68n	CTL2 COND/ARX CLR H
R47(1)	CTL2	A4	68n	CTL2 COND/REG CTL H
R25(1)	CTL2	C7	68n	CTL2 MQ CLR H
R39(1)	CTL3	B7	68n	-CTL3 AD TO EBUS L H
R02(1)	CTL3	B5	68n	-CTL3 CONSOLE CONTROL H
R73(1)	CTL3	A7	68n	CTL3 DIAG AR LOAD H
R130(1)	CTL3	D6	68n	-CTL3 DIAG LOAD FUNC 076 H
R110(1)	CTL3	D7	68n	-CTL3 DIAG LOAD FUNC 07X H
R135(1)	CTL3	C2	68n	-CTL3 DIAG READ H
R113(1)	CTL3	D4	68n	-CTL3 DIAG READ FUNC 12X H
R144(1)	CTL3	A2	68n	CTL3 DIAG SPARE L#400
R05(1)	CTL3	C7	68n	-CTL3 DIAG STROBE H

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R111(1)	CTL3	D6	68n	CTL3 DIAG SYNC FUNC 074 L#400
R06(1)	CTL3	C5	68n	CTL3 DS 00 H
R116(1)	CTL3	C7	68n	-CTL3 DS 00 H
R119(1)	CTL3	C5	68n	CTL3 DS 01 H
R110(1)	CTL3	C5	68n	CTL3 DS 02 H
R121(1)	CTL3	C3	68n	CTL3 DS 03 H
R132(1)	CTL3	C3	68n	CTL3 DS 04 H
R131(1)	CTL3	C3	68n	CTL3 DS 05 H
R136(1)	CTL3	C3	68n	CTL3 DS 06 H
R122(1)	CTL3	C5	68n	-CTL3 READ STROBE H
R07(1)	CTL3	C7	68n	EBUS DS STROBE E H
R42(1)	CTL3	C5	68n	EBUS DS00 E H
R41(1)	CTL3	C5	68n	EBUS DS01 E H
R37(1)	CTL3	C5	68n	EBUS DS02 E H
R30(1)	CTL3	C3	68n	EBUS DS03 E H
R109(1)	CTL3	C3	68n	EBUS DS04 E H
R115(1)	CTL3	C3	68n	EBUS DS05 E H
R114(1)	CTL3	C3	68n	EBUS DS06 E H
R78(1)	CTL2	D2	68n	MCL LOAD AR H
R79(1)	CTL2	D2	68n	MCL LOAD ARX H
R59(1)	CTL2	B4	68n	MCL1 MEM/ARL IND H
R0(1)	CTL1	B5	68n	MCL4 SHORT STACK H
R100(1)	CTL2	B6	68n	MCL5 18 BIT EA H
R103(1)	CTL2	B6	68n	MCL5 23 BIT EA H
R97(1)	CTL3	B5	68n	-P15 GATE TTL TO ECL H
R43(1)	CTL3	A5	68n	-SHM1 AR PAR ODD A H

NOTE:

1. ALL TERMINATORS HAVE PIN TWO CONNECTED TO -2.0V 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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REVISIONS	
CHK	CHANGE NO. REV

digital

DRN. *C. Smith*
CHK'D *W. Johnson*DATE *22 Jan 77* ENG. *Tom Egan*
DATE *1/25/77* BOSSD LOCATION: *DE 1*M85431, RL514, 602 122 JAN 77 15136 NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: KL10PV B-DD-M8543-0

TITLE: EBOX CONTROL #1 TERMINATORS	
SIZE	CODE
D	CS
NUMBER	
M8543-0-RES	
REV.	

370