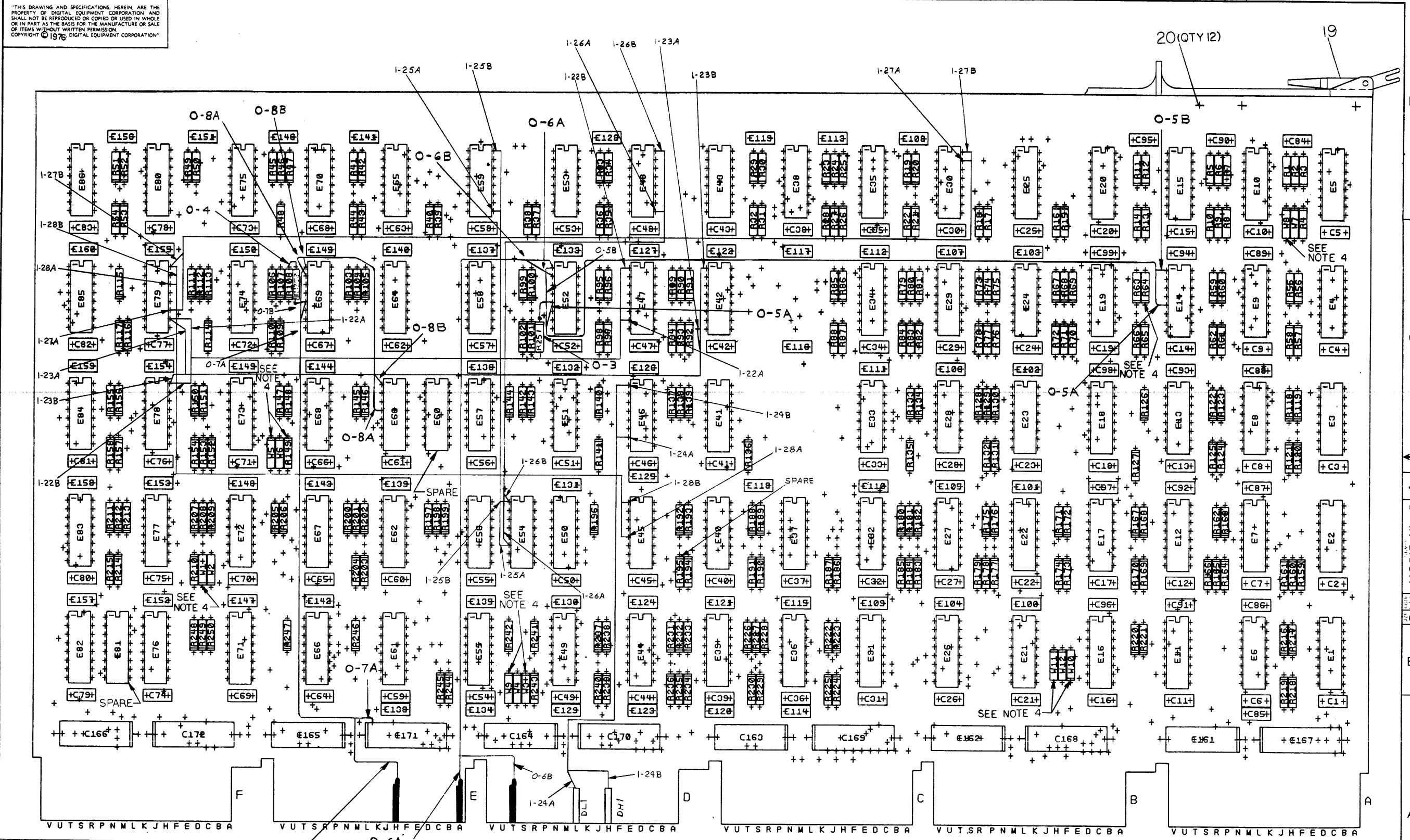


DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS		SIZE CODE	NUMBER	REV.		
				A	B					
D-UA-M8513-YA-Ø	5		MODULE REVISION	-	A					
D-CS-M8513-YA-CSH1	1		CACHE CONTROL	-	A					
D-CS-M8513-YA-CSH2	1		CSH CYC REQ PRI & TYPE, CSH IDLE	-	A					
D-CS-M8513-YA-CSH3	1		MBOX RESP, EBOX MINOR CYC TYPE	-	-					
D-CS-M8513-YA-CSH4	1		ANY VAL MATCH & HOLD, ANY WR	-	A					
D-CS-M8513-YA-CSH5	1		CSH EBOX T(N), PAGE FAIL T (N)	-	-					
D-CS-M8513-YA-CSH6	1		PAGE REFILL T(N) CSH & CHAN T(N)	-	-					
D-CS-M8513-YA-CSH7	1		PF HOLD, CCA CTL, CSH WR CTL	-	A					
D-CS-M8513-YA-CSH8	1		CSH DIAG MIX, CSH PERF SIGNALS	-	-					
D-CS-M8513-YA-CSH9	1		CACHE CONTROL POWER, GND, CAP	-	A					
D-CS-M8513-YA-RES	2		CACHE CONTROL TERMINATORS	-	A					
D-AH-M8513-Ø-5	4		CACHE CONTROL	C	C					
		5010528	ETCH CIRCUIT BOARD	D	D					
M8513-Ø-L			P.C. DESIGN DATA BASE	REF REF						
M8513-YA-PL			INSERTION P/L DATA BASE	REF REF						
POO-M8513-YA			PROCESS SHEETS	REF REF						
NOTES:				REVISIONS	CHG NO. REV.	4-77 00001 *YA				
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				KLIØ-DA,DB		CHK'D	CACHE CONTROL			
				KLIØ-EA,EB		ENG. John O. Allen 5 JAN 77				
				KLIØ-PV		PROD. W. Embrey 5 JAN 77	SIZE CODE B DD	NUMBER M8513-YA		
							REV. A			

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REVISIONS		
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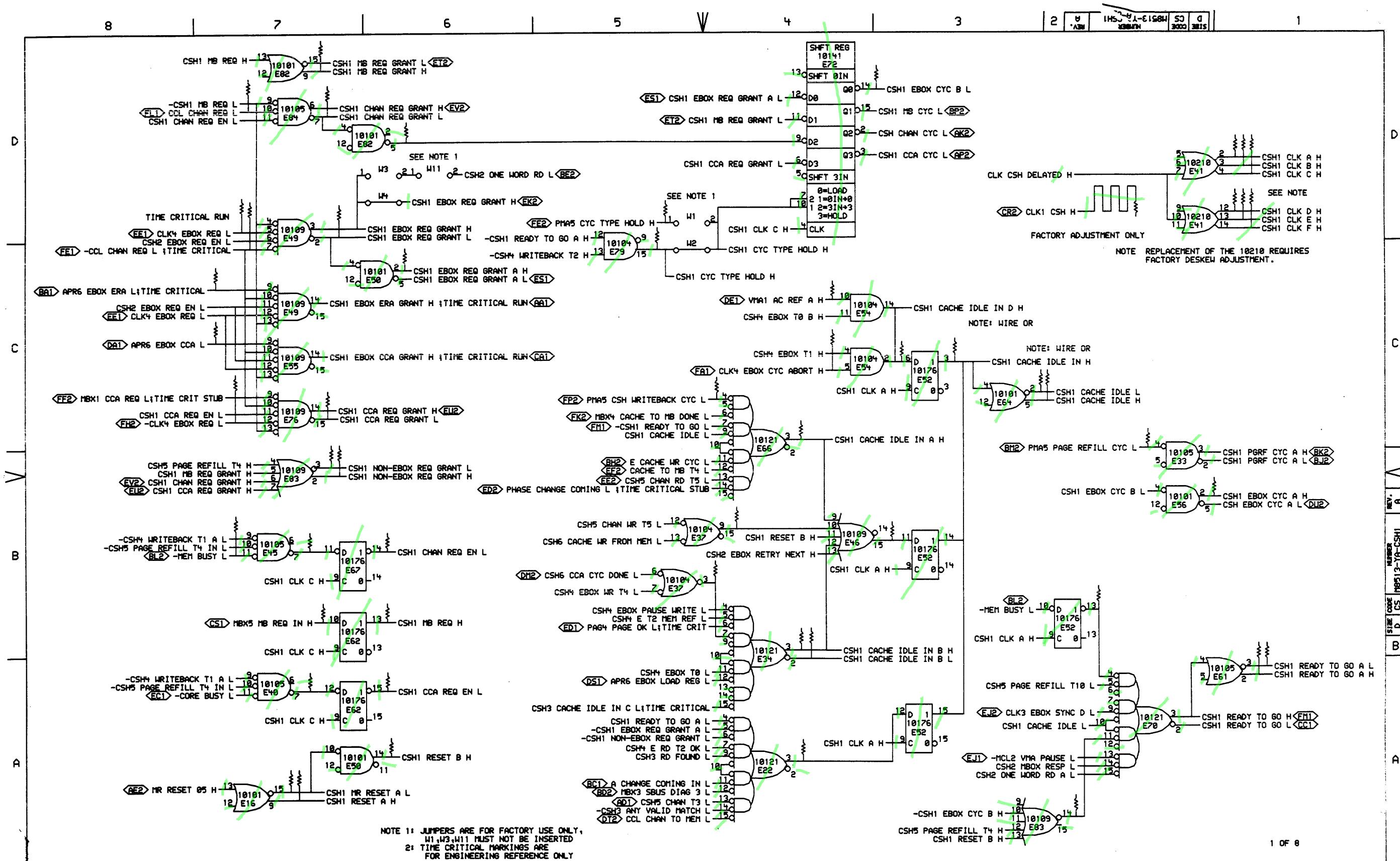
-6A

CACHE CONTROL

SHEET 2

	SIZE	CODE	NUMBER	
6	D	UA	M8513-YA - Ø	

23



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RE	THE	REVISION
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OR IN	CHANGE	
ROLE OF	M8513-YA-0	
ON	P. Gove 38A	
	J. ALLEN	

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ID: 1111
Species: *littoralis*
Date: 29-MAR-77
DEL: KL1

DATE
20-MAR-77

ENG. *John*
BOARD LOC
ISHEET
RT HIGHER F
DD-M8513

Allen DAT
ATION: 4A
1 DF
ASSEMBLY:
-YA

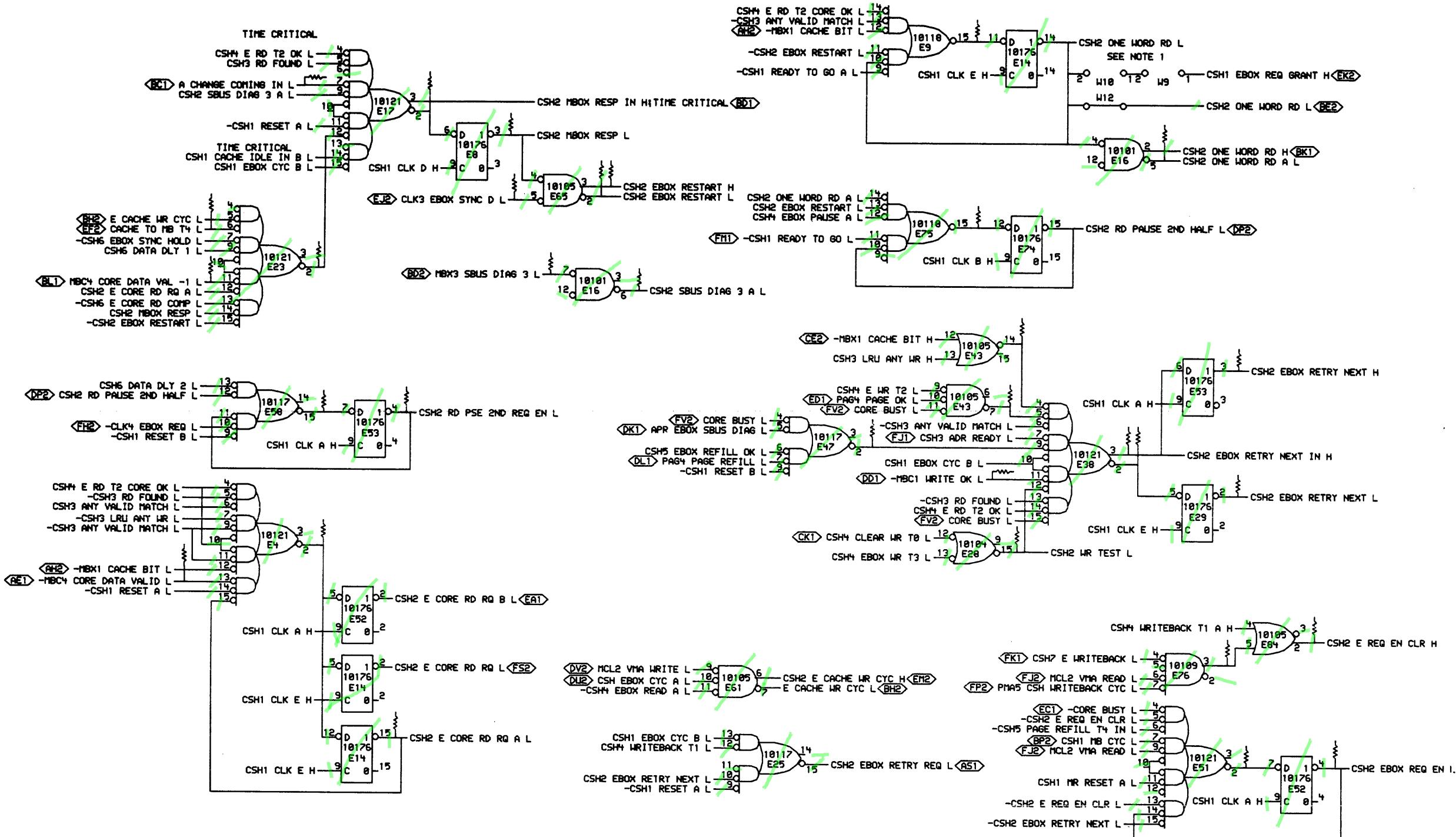
DATE: TITLE:
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NOTE 1: JUMPERS ARE FACTORY USE ONLY
W9,W10 MUST NOT BE INSERTED
2: TIME CRITICAL MARKINGS ARE
FOR ENGINEERING REFERENCE

2/16/20

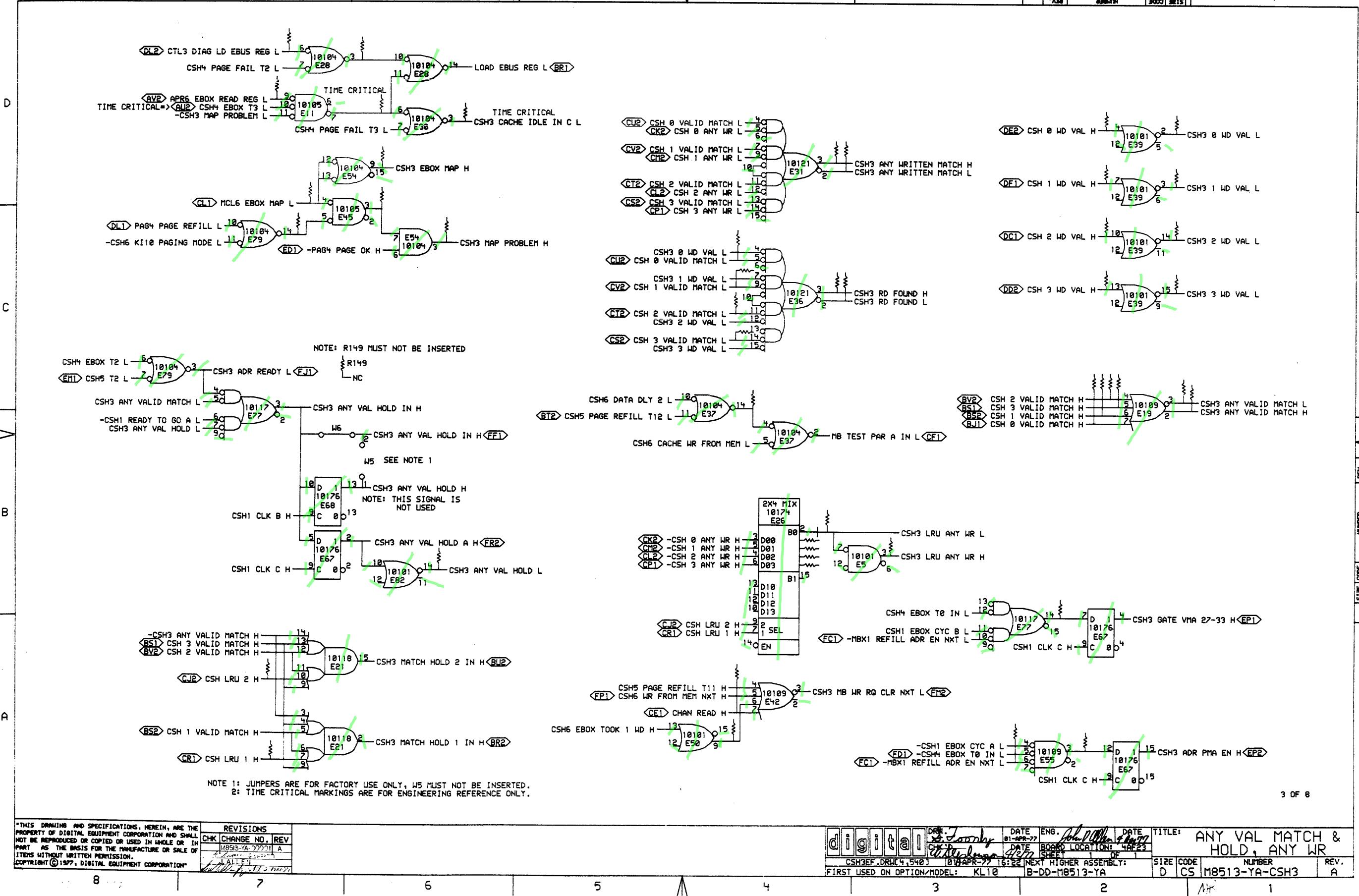
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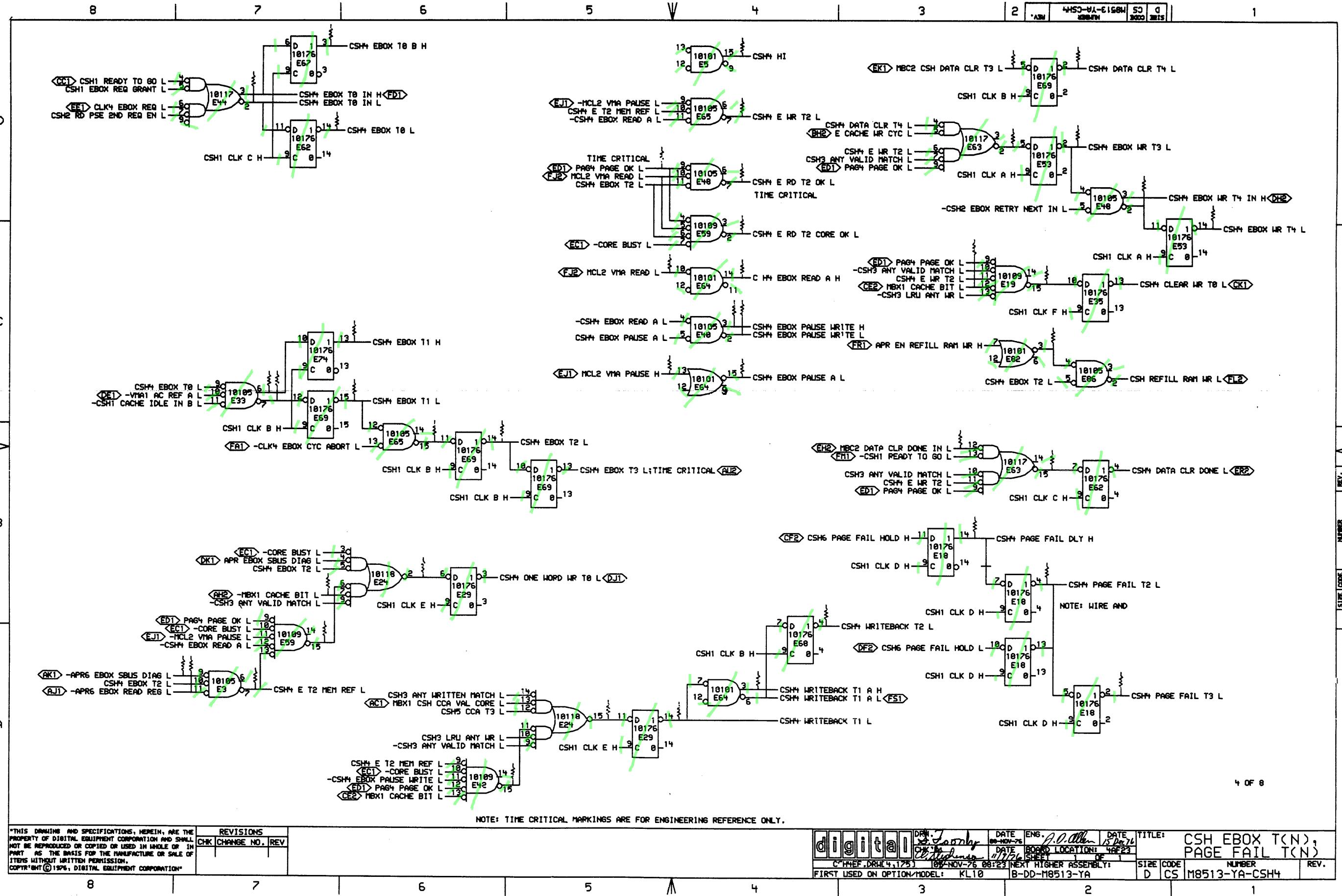
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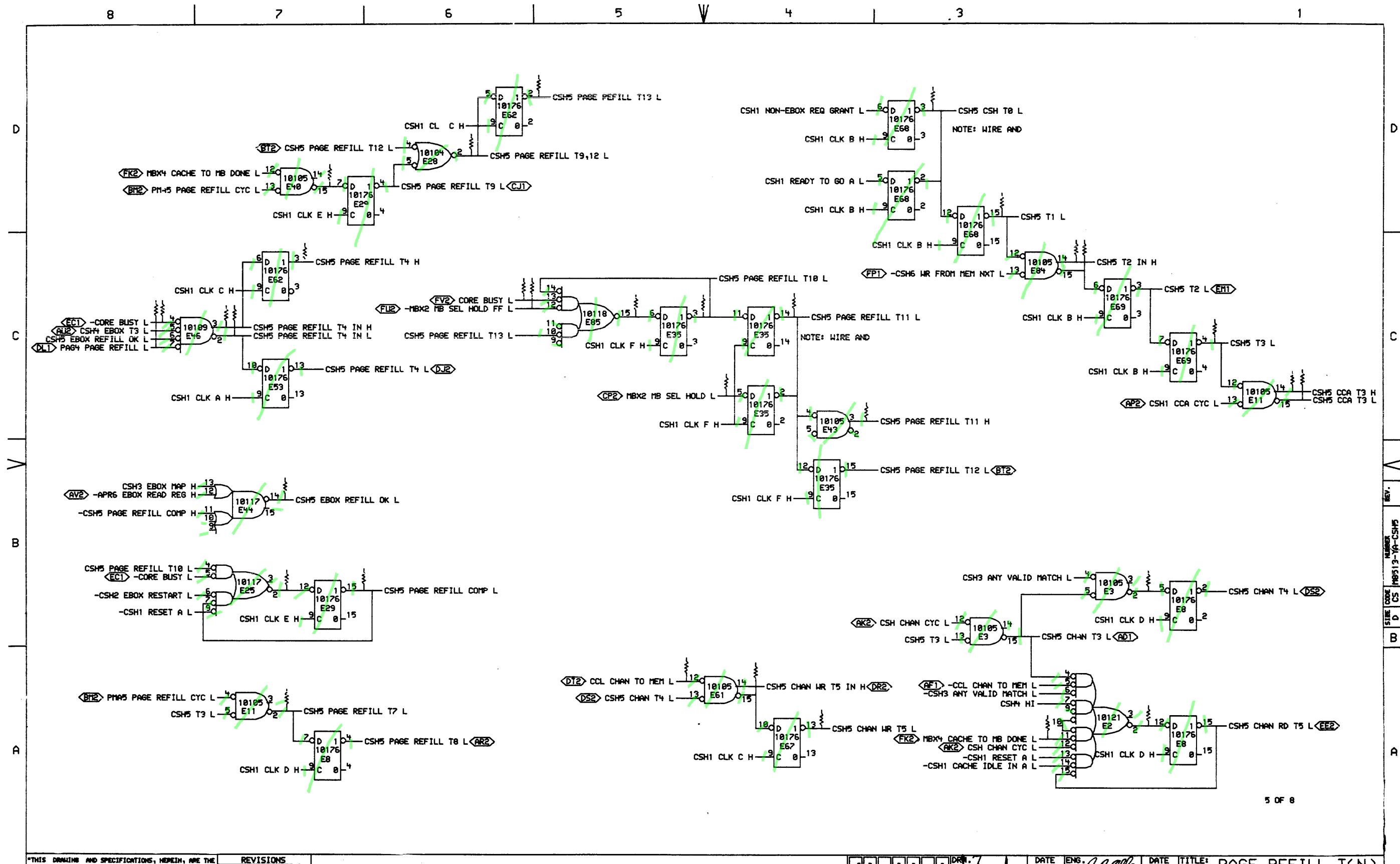
digita
CSH2EF.DRIVE 4,1

	DRM. <i>J. Fawley</i>	
	CHK '76 <i>C. Stephenson</i>	
75	85-NOV-76 85:	

DATE MON-76	ENG. <i>J.O.Allen</i>	DATE 15 Dec 76	TITLE: MBOX RESP, EBOX MINOR CYC TYPE	
DATE 1976	BOARD LOCATION: SHEET 1 OF 1	AF23		
55 INEXT HIGHER ASSEMBLY:		SIZE CODE	NUMBER	REV.



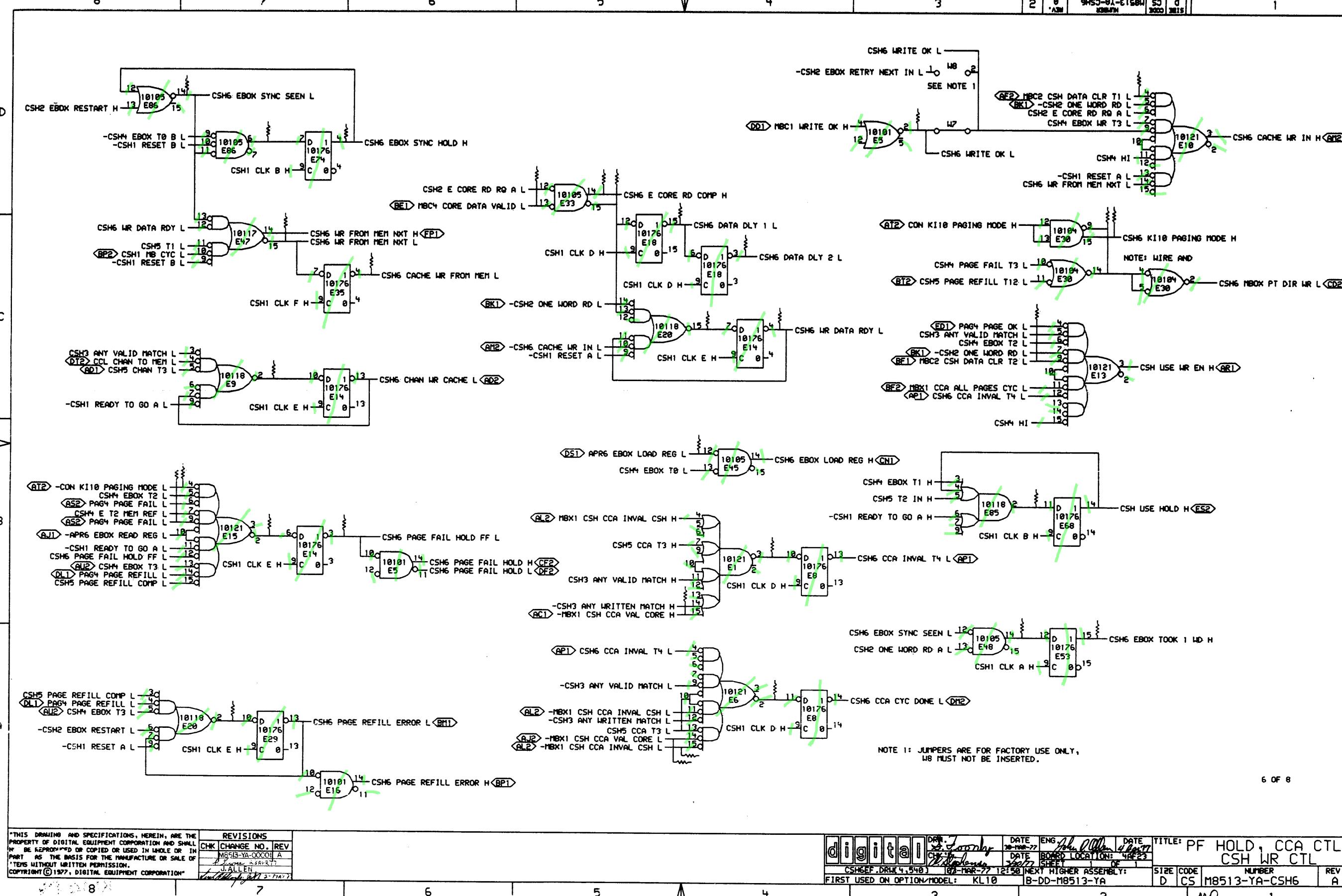


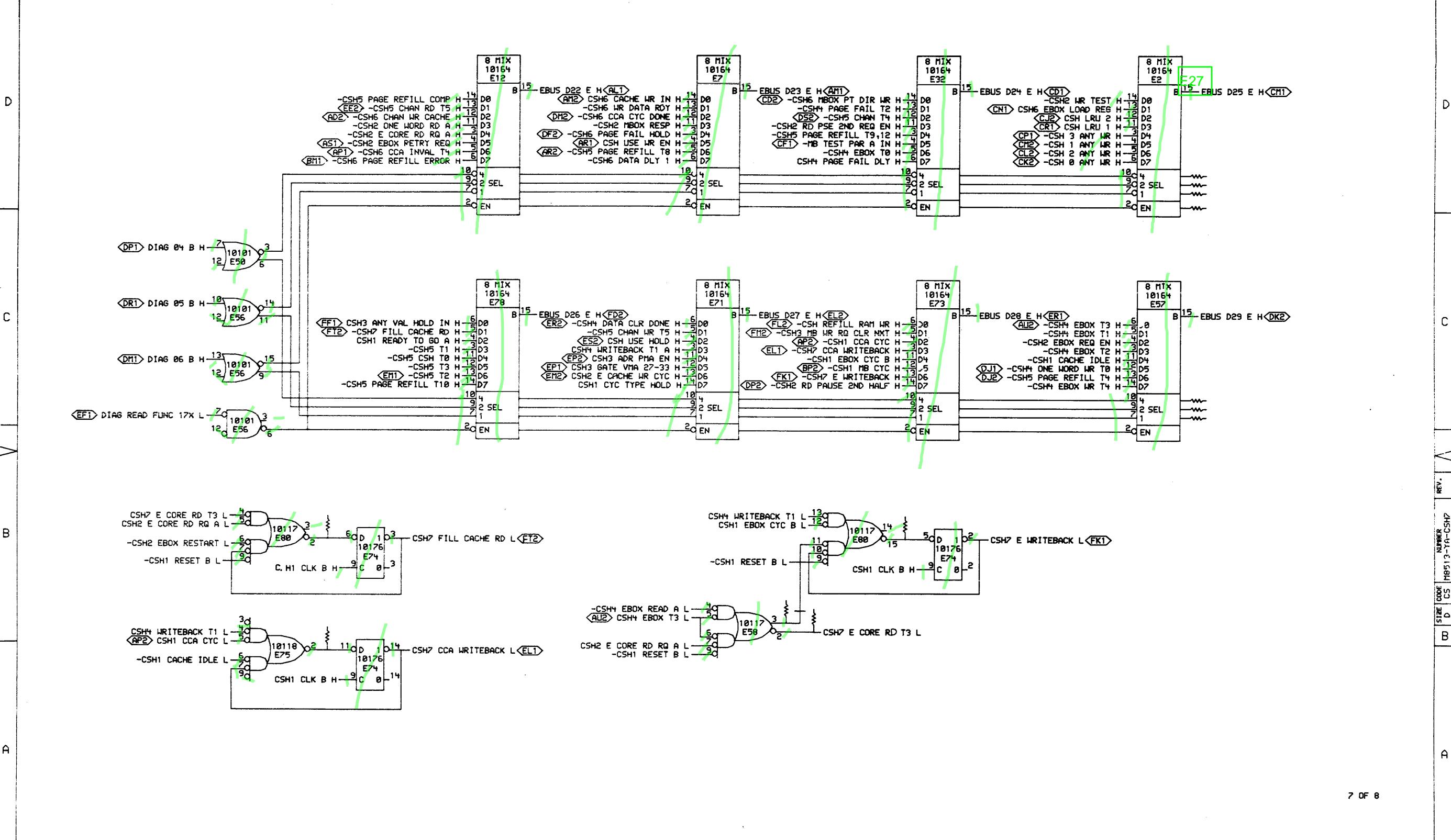


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REV

digital	DRAW: <i>S. L. Kirby</i>	DATE: <i>08-09-76</i>	ENG.: <i>J. Allen</i>	DATE: <i>5-04-76</i>	TITLE: PAGE REFILL T(N) CSH & CHAN T(N)		
	CHX: <i>E. Stevenson</i>	DATE: <i>11-09-76</i>	BOARD LOCATION: 40823				
SHEET 1 OF 1				SIZE: D	CODE: CS	NUMBER: M8513-YA-CSH5	REV.
CASHREF.DRW 4,175 08-SEP-76 21:34 NEXT HIGHER ASSEMBLY:							
FIRST USED ON OPTION/MODEL: KL10				B-DD-M8513YA			





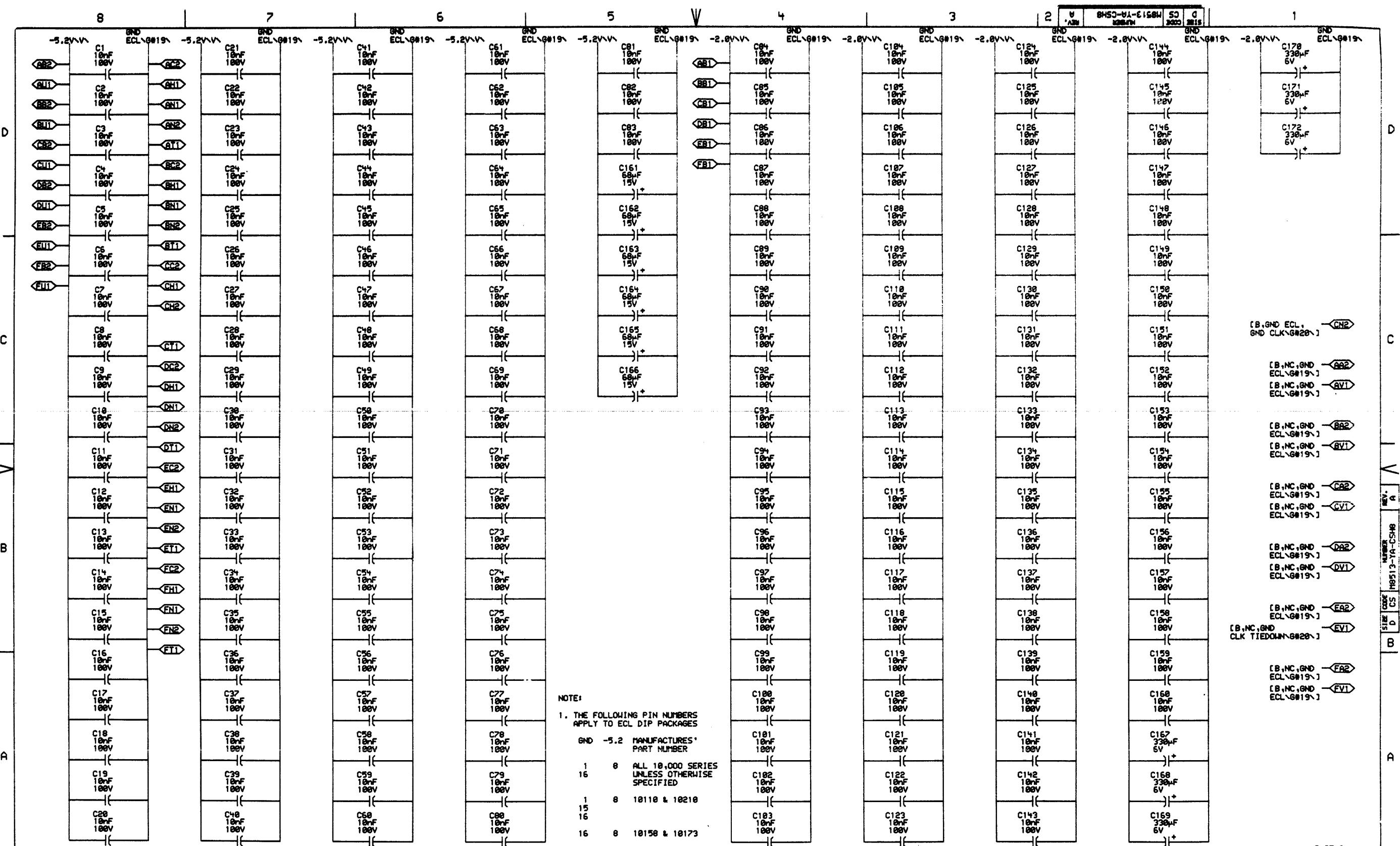
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REVISIONS		
CHK	CHANGE NO.	REV

DRW. 7	DATE 08-Nov-76	ENG. J. P. Allen	DATE 15-Dec-76	TITLE: CSH DIAG MIX
CHK 1	DATE 11-Nov-76	BOARD LOCATION: 4AF23		CSH7EF.DRW(4,175)
	DATE 11-Nov-76	SHEET 1 OF 1		07-SEP-76 21:36
				NEXT HIGHER ASSEMBLY: KL10

SIZE CODE M8513-YA-CSH7
REV. D CS M8513-YA-CSH7
REV. D CS M8513-YA-CSH7
REV. D CS M8513-YA-CSH7

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1



NOTE:

1. THE FOLLOWING PIN NUMBERS
APPLY TO ECL DIP PACKAGES

GND -5.2 MANUFACTURES'
PART NUMBER

1 8 ALL 18,000 SERIES
16 UNLESS OTHERWISE
SPECIFIED

1 8 10110 & 10210

15 16 8 10158 & 10173

1 12 10181

24

8 OF 8

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REVISIONS		
CHK	CHANGE NO.	REV
M8513-YA-00001	A	1
J. J. P.	C-27	1-11-77

digital		DRW. <i>J. J. P.</i>	DATE 30-MAR-77	ENG. <i>J. J. P.</i>	DATE 4 APR 77	TITLE: CACHE CONTROL
CHK	P.					POWER, GND, CAP
						CSH8REF.DRW V.5A8
						13-Mar-77 06:58
						NEXT HIGHER ASSEMBLY:
						FIRST USED ON OPTION/MODEL: KL10 B-DD-M8513-YA

D	RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL	RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL	
R121(1)	CSH6	B4	68Ω	XE1(3)		R200(1)	CSH3	A2	68Ω	XE55(3)		R60(1)	CSH5	A5	68Ω	-CCL CHAN TO MEM H	R109(1)	CSH1	D1	68Ω	CSH1 CLK B H
R19(1)	CSH3	D6	68Ω	XE11(7)		R152(1)	CSH7	C2	68Ω	XE56(11)		R92(1)	CSH3	A4	68Ω	CHAN READ H	R209(1)	CSH1	D1	68Ω	CSH1 CLK C H
R66(1)	CSH6	B7	68Ω	XE15(2)		R166(1)	CSH7	D2	68Ω	XE56(14)		R136(1)	CSH1	D2	68Ω	CLK1 CSH H	R125(1)	CSH1	D1	68Ω	CSH1 CLK D H
R122(1)	CSH2	D6	68Ω	XE17(2)		R164(1)	CSH7	D2	68Ω	XE56(15)		R43(1)	CSH2	D6	68Ω	-CLK3 EBOX SYNC D H	R61(1)	CSH1	D1	68Ω	CSH1 CLK E H
R22(1)	CSH4	C2	68Ω	XE19(15)		R162(1)	CSH7	D2	68Ω	XE56(6)		R39(1)	CSH1	C4	68Ω	CLK4 EBOX CYC ABORT H	R21(1)	CSH1	D1	68Ω	CSH1 CLK F H
R118(1)	CSH5	A2	68Ω	XE2(2)		R153(1)	CSH7	C2	68Ω	XE58(9)		R102(1)	CSH1	C7	68Ω	CLK4 EBOX REQ H	R250(1)	CSH1	C5	68Ω	CSH1 CYC TYPE HOLD H
R65(1)	CSH6	C4	68Ω	XE20(15)		R37(1)	CSH2	C7	68Ω	XE58(15)		R237(1)	CSH1	D7	68Ω	-CLK4 EBOX REQ H	R245(1)	CSH1	B1	68Ω	CSH1 EBOX CYC A H
R78(1)	CSH6	A7	68Ω	XE20(2)		R58(1)	CSH7	B4	68Ω	XE58(3)		R17(1)	CSH6	B7	68Ω	CON KI10 PAGING MODE H	R168(1)	CSH1	D3	68Ω	-CSH1 EBOX CYC B H
R95(1)	CSH1	A4	68Ω	XE22(3)		R77(1)	CSH4	A7	68Ω	XE59(15)		R44(1)	CSH5	C8	68Ω	CORE BUSY H	R238(1)	CSH1	D7	68Ω	-CSH1 EBOX REQ GRANT H
R171(1)	CSH2	C7	68Ω	XE23(2)		R119(1)	CSH6	A4	68Ω	XE6(2)		R24(1)	CSH5	C6	68Ω	-CORE BUSY H	R176(1)	CSH1	C6	68Ω	CSH1 EBOX REQ GRANT A H
R83(1)	CSH4	A5	68Ω	XE24(15)		R204(1)	CSH5	A4	68Ω	XE61(15)		R183(1)	CSH3	B4	68Ω	-CSH 0 ANY WR H	R157(1)	CSH1	B6	68Ω	CSH1 MB REQ H
R84(1)	CSH1	B6	68Ω	XE24(2)		R198(1)	CSH4	B2	68Ω	XE63(15)		R78(1)	CSH3	C2	68Ω	CSH 0 VALID MATCH H	R215(1)	CSH1	D7	68Ω	CSH1 MB REQ GRANT H
R88(1)	CSH5	B7	68Ω	XE25(2)		R38(1)	CSH4	D2	68Ω	XE63(2)		R223(1)	CSH3	C4	68Ω	-CSH 0 VALID MATCH H	R143(1)	CSH1	A7	68Ω	-CSH1 MR RESET A H
R132(1)	CSH3	D6	68Ω	XE28(3)		R104(1)	CSH4	B6	68Ω	XE65(15)		R233(1)	CSH3	D2	68Ω	CSH 0 WD VAL H	R177(1)	CSH1	B7	68Ω	CSH1 NON-EBOX REQ GRANT H
R123(1)	CSH5	B2	68Ω	XE3(2)		R106(1)	CSH2	C3	68Ω	XE75(15)		R181(1)	CSH3	B4	68Ω	-CSH 1 ANY WR H	R148(1)	CSH1	B7	68Ω	-CSH1 NON-EBOX REQ GRANT H
R20(1)	CSH6	C2	68Ω	XE38(9)		R107(1)	CSH7	A7	68Ω	XE75(2)		R71(1)	CSH3	C2	68Ω	CSH 1 VALID MATCH H	R91(1)	CSH1	A1	68Ω	CSH1 READY TO GO A H
R14(1)	CSH6	D5	68Ω	XE33(15)		R156(1)	CSH2	B2	68Ω	XE76(3)		R224(1)	CSH3	C4	68Ω	-CSH 1 VALID MATCH H	R179(1)	CSH1	A1	68Ω	-CSH1 READY TO GO A H
R110(1)	CSH4	C7	68Ω	XE33(6)		R206(1)	CSH3	B2	68Ω	XE77(14)		R234(1)	CSH3	D2	68Ω	CSH 1 WD VAL H	R15(1)	CSH1	A7	68Ω	CSH1 RESET A H
R103(1)	CSH4	C7	68Ω	XE33(7)		R255(1)	CSH3	C7	68Ω	XE79(14)		R182(1)	CSH3	B4	68Ω	-CSH 2 ANY WR H	R212(1)	CSH1	A6	68Ω	CSH1 RESET B H
R188(1)	CSH3	C4	68Ω	XE37(14)		R113(1)	CSH2	B3	68Ω	XE80(15)		R68(1)	CSH3	C2	68Ω	CSH 2 VALID MATCH H	R52(1)	CSH2	A6	68Ω	-CSH2 E CORE RD RQ A H
R87(1)	CSH1	B4	68Ω	XE37(3)		R111(1)	CSH7	B7	68Ω	XE80(2)		R225(1)	CSH3	C4	68Ω	-CSH 2 VALID MATCH H	R140(1)	CSH2	B2	68Ω	CSH2 E REQ EN CLR H
R138(1)	CSH1	B4	68Ω	XE37(9)		R54(1)	CSH4	C2	68Ω	XE82(3)		R235(1)	CSH3	C2	68Ω	CSH 2 WD VAL H	R240(1)	CSH2	A1	68Ω	-CSH2 EBOX REQ EN H
R81(1)	CSH2	C2	68Ω	XE38(2)		R205(1)	CSH1	D6	68Ω	XE82(5)		R184(1)	CSH3	B4	68Ω	-CSH 3 ANY WR H	R58(1)	CSH2	D5	68Ω	CSH2 EBOX RESTART H
R251(1)	CSH2	B7	68Ω	XE4(2)		R46(1)	CSH1	A2	68Ω	XE83(14)		R69(1)	CSH3	C2	68Ω	CSH 3 VALID MATCH H	R45(1)	CSH2	D5	68Ω	-CSH2 EBOX RESTART H
R82(1)	CSH5	D7	68Ω	XE48(15)		R108(1)	CSH5	C2	68Ω	XE84(15)		R222(1)	CSH3	C4	68Ω	-CSH 3 VALID MATCH H	R139(1)	CSH2	C2	68Ω	CSH2 EBOX RETRY NEXT H
R197(1)	CSH1	A7	68Ω	XE48(7)		R26(1)	CSH5	C5	68Ω	XE85(15)		R226(1)	CSH3	C2	68Ω	CSH 3 WD VAL H	R16(1)	CSH2	B2	68Ω	-CSH2 EBOX RETRY NEXT H
R73(1)	CSH4	A5	68Ω	XE42(15)		R147(1)	CSH6	B2	68Ω	XE85(2)		R178(1)	CSH3	A7	68Ω	CSH LRU 1 H	R1(1)	CSH2	C3	68Ω	CSH2 EBOX RETRY NEXT IN H
R31(1)	CSH2	C3	68Ω	XE43(14)		R114(1)	CSH6	D7	68Ω	XE86(6)		R175(1)	CSH3	A7	68Ω	CSH LRU 2 H	R42(1)	CSH2	D6	68Ω	-CSH2 MBOX RESP H
R38(1)	CSH2	C3	68Ω	XE43(7)		R59(1)	CSH2	D3	68Ω	XE9(15)		R48(1)	CSH1	C2	68Ω	CSH1 CACHE IDLE H	R47(1)	CSH2	D2	68Ω	-CSH2 ONE WORD RD A H
R253(1)	CSH3	C6	68Ω	XE45(3)		R62(1)	CSH6	C7	68Ω	XE9(2)		R246(1)	CSH1	C3	68Ω	-CSH1 CACHE IDLE H	R185(1)	CSH2	C6	68Ω	-CSH2 RD PSE 2ND REQ EN H
R20(1)	CSH1	B7	68Ω	XE45(7)		R173(1)	CSH2	D7	68Ω	-A CHANGE COMING IN H		R105(1)	CSH1	C3	68Ω	CSH1 CACHE IDLE IN H	R169(1)	CSH2	C5	68Ω	-CSH2 SBUS DIAG 3 A H
R96(1)	CSH1	B3	68Ω	XE46(15)		R242(1)	CSH1	C7	68Ω	-APR6 EBOX CCA H		R161(1)	CSH1	C4	68Ω	CSH1 CACHE IDLE IN A H	R23(1)	CSH2	B3	68Ω	-CSH2 LR TEST H
R22(1)	CSH2	C4	68Ω	XE47(2)		R239(1)	CSH1	C7	68Ω	-APR6 EBOX ERA H; TIME CRITICAL		R137(1)	CSH1	B4	68Ω	CSH1 CACHE IDLE IN B H	R228(1)	CSH3	D2	68Ω	-CSH3 0 WD VAL H
R33(1)	CSH6	A2	68Ω	XE48(14)		R88(1)	CSH6	B4	68Ω	-APR6 EBOX LOAD REG H		R167(1)	CSH1	B4	68Ω	-CSH1 CACHE IDLE IN B H	R229(1)	CSH3	D2	68Ω	-CSH3 1 WD VAL H
R34(1)	CSH4	D2	68Ω	XE48(2)		R10(1)	CSH4	A7	68Ω	APR6 EBOX READ REG H		R100(1)	CSH1	C3	68Ω	CSH1 CACHE IDLE IN D H	R230(1)	CSH3	C2	68Ω	-CSH3 2 WD VAL H
R165(1)	CSH7	D2	68Ω	XE50(3)		R231(1)	CSH3	D7	68Ω	-APR6 EBOX READ REG H		R249(1)	CSH1	A6	68Ω	-CSH1 CCA REQ EN H	R227(1)	CSH3	C2	68Ω	-CSH3 3 WD VAL H
R15(1)	CSH7	C2	68Ω	XE50(6)		R120(1)	CSH4	A7	68Ω	APR6 EBOX SBUS DIAG H		R208(1)	CSH1	C7	68Ω	-CSH1 CCA REQ GRANT H	R214(1)	CSH3	B6	68Ω	-CSH3 ANY VAL HOLD H
R93(1)	CSH3	A4	68Ω	XE50(9)		R126(1)	CSH2	C7	68Ω	-CACHE TO MB T4 H		R155(1)	CSH1	B6	68Ω	-CSH1 CHAN REQ EN H	R20(1)	CSH3	C1	68Ω	CSH3 ANY VALID MATCH H
R181(1)	CSH																				

RESISTOR										RESISTOR										RESISTOR									
LOC(PIN)	SHOWN	ON	TERM	REF	DRW#	LOC(PIN)	SHOWN	ON	TERM	REF	DRW#	LOC(PIN)	SHOWN	ON	TERM	REF	DRW#	LOC(PIN)	SHOWN	ON	TERM	REF	DRW#						
R74(1)	CSH3	D4	68Ω	-CSH		R117(1)	CSH5	C4	68Ω	-CSH5		R174(1)	CSH2	C5	68Ω	-MBX3 SBUS DIAG 3 H													
R85(1)	CSH3	D6	68Ω	-CSH		R211(1)	CSH5	C7	68Ω	CSH5		R168(1)	CSH5	A2	68Ω	-MBX4 CACHE TO MB DONE H													
R232(1)	CSH3	D7	68Ω	CSH		R203(1)	CSH5	C7	68Ω	CSH5		R199(1)	CSH1	B7	68Ω	MBX5 MB REQ IN H													
R32(1)	CSH3	B3	68Ω	CSH		R36(1)	CSH5	C7	68Ω	CSH5		R411(1)	CSH4	C4	68Ω	MCL2 VMA PAUSE H													
R4(1)	CSH2	B4	68Ω	-C1		R124(1)	CSH5	A2	68Ω	CSH5		R141(1)	CSH4	C4	68Ω	-MCL2 VMA READ H													
R220(1)	CSH3	C6	68Ω	CSI		R202(1)	CSH5	D6	68Ω	CSH5		R241(1)	CSH3	D7	68Ω	-MCL6 EBOX MAP H													
R56(1)	CSH3	C4	68Ω	CS		R97(1)	CSH5	D3	68Ω	CSH5	T1 H	R256(1)	CSH1	B7	68Ω	MEM BUSY H													
R172(1)	CSH3	C4	68Ω	-C2		R145(1)	CSH4	D2	68Ω	CSH4	T2 IN H	R149(1)	CSH3	C6	68Ω	NC													
R145(1)	CSH4	D2	68Ω	-CSH4		R116(1)	CSH5	C2	68Ω	CSH5	T2 IN H	R13(1)	CSH6	B7	68Ω	-PAG4 PAGE FAIL H													
R57(1)	CSH4	C4	68Ω	-CSH4	E RD T2 CORE OK H	R221(1)	CSH5	C1	68Ω	CSH5	T3 H	R126(1)	CSH4	D5	68Ω	-PAG4 PAGE OK H													
R178(1)	CSH4	D4	68Ω	-CSH4	E RD T2 OK H	R189(1)	CSH6	C6	68Ω	CSH6	CACHE WR FROM MEM H	R11(1)	CSH5	C8	68Ω	-PAG4 PAGE REFILL H													
R48(1)	CSH4	A7	68Ω	-CSH4	E T2 MEM REF H	R163(1)	CSH6	C4	68Ω	CSH6	DATA DLY 1 H	R247(1)	CSH1	C4	68Ω	-PMAS CSH WRITEBACK CYC H													
R72(1)	CSH4	D4	68Ω	-CSH4	E WR T2 H	R99(1)	CSH6	C4	68Ω	CSH6	DATA DLY 2 H	R210(1)	CSH1	D5	68Ω	PMAS CYC TYPE HOLD H													
R193(1)	CSH4	C4	68Ω	-CSH4	EBOX PAUSE A H	R129(1)	CSH6	D5	68Ω	CSH6	E CORE RD COMP H	R191(1)	CSH1	C2	68Ω	-PMAS PAGE REFILL CYC H													
R94(1)	CSH4	C4	68Ω	CSH4	EBOX PAUSE WRITE H	R131(1)	CSH6	D6	68Ω	CSH6	EBOX SYNC HOLD H	R135(1)	CSH1	C4	68Ω	VMA1 AC REF A H													
R86(1)	CSH4	C4	68Ω	-CSH4	EBOX PAUSE WRITE H	R98(1)	CSH6	D7	68Ω	CSH6	EBOX SYNC SEEN H																		
R192(1)	CSH4	C4	68Ω	CSH4	EBOX READ A H	R196(1)	CSH6	A2	68Ω	CSH6	EBOX TOOK 1 WD H																		
R79(1)	CSH4	D6	68Ω	-CSH4	EBOX T8 H	R254(1)	CSH6	C2	68Ω	CSH6	KI18 PAGING MODE H																		
R53(1)	CSH4	D6	68Ω	CSH4	EBOX T8 B H	R3(1)	CSH6	B6	68Ω	CSH6	PAGE FAIL FF H																		
R287(1)	CSH4	D7	68Ω	-CSH4	EBOX T8 IN H	R69(1)	CSH6	C4	68Ω	CSH6	PAGE FAIL FF H																		
R144(1)	CSH4	C6	68Ω	CSH4	EBOX T1 H	R5(1)	CSH6	C7	68Ω	CSH6	PAGE FAIL FF H																		
R142(1)	CSH4	C6	68Ω	-CSH4	EBOX T1 H	R2(1)	CSH6	D3	68Ω	CSH6	PAGE FAIL FF H																		
R12(1)	CSH4	B5	68Ω	-CSH4	EBOX T2 H	R51(1)	CSH7	B4	68Ω	CSH7	E CORE RD T3 H																		
R8(1)	CSH4	D2	68Ω	-CSH4	EBOX WR T3 H	R134(1)	CSH3	D7	68Ω	CSH3	CTL3 DIAG LD EBUS REG H																		
R198(1)	CSH4	D1	68Ω	-CSH4	EBOX WR T4 H	R6(1)	CSH2	B3	68Ω	CSH2	MBC1 WRITE OK H																		
R159(1)	CSH4	D4	68Ω	CSH4	H1	R7(1)	CSH6	D2	68Ω	CSH6	MBC2 CSH DATA CLR T1 H																		
R186(1)	CSH4	B3	68Ω	CSH4	PAGE FAIL DLY H	R127(1)	CSH6	C2	68Ω	CSH6	MBC2 CSH DATA CLR T2 H																		
R188(1)	CSH4	B2	68Ω	-CSH4	PAGE FAIL T2 H	R252(1)	CSH4	D2	68Ω	CSH4	MBC2 CSH DATA CLR T3 H																		
R18(1)	CSH4	A2	68Ω	-CSH4	PAGE FAIL T3 H	R146(1)	CSH4	B3	68Ω	CSH4	MBC2 DATA CLR DONE IN H																		
R49(1)	CSH4	A4	68Ω	-CSH4	WRITEBACK T1 H	R130(1)	CSH2	C7	68Ω	CSH2	MBC4 CORE DATA VAL -1 H																		
R194(1)	CSH4	A4	68Ω	CSH4	WRITEBACK T1 A H	R55(1)	CSH2	B7	68Ω	CSH2	MBC4 CORE DATA VALID H																		
R112(1)	CSH4	B4	68Ω	-CSH4	WRITEBACK T2 H	R133(1)	CSH6	D5	68Ω	CSH6	MBC4 CORE DATA VALID H																		
R218(1)	CSH5	C1	68Ω	CSH5	CCA T3 H	R76(1)	CSH4	B7	68Ω	CSH4	MBC1 CACHE BIT H																		
R67(1)	CSH5	C1	68Ω	-CSH5	CCA T3 H	R63(1)	CSH4	C3	68Ω	CSH4	MBC1 CACHE BIT H																		
R187(1)	CSH5	A4	68Ω	-CSH5	CHAN WR T5 H	R217(1)	CSH6	A4	68Ω	CSH6	MBC1 CCA INVALID CSH H																		
R151(1)	CSH5	D3	68Ω	-CSH5	CSH T8 H	R219(1)	CSH6	A5	68Ω	CSH6	MBC1 CCA VALID CORE H																		
R98(1)	CSH5	B7	68Ω	-CSH5	EBOX REFILL OK H	R75(1)	CSH6	B4	68Ω	CSH6	MBC1 CCA VALID CORE H																		
R236(1)	CSH5	B6	68Ω	-CSH5	PAGE REFILL COMP H	R244(1)	CSH3	A3	68Ω	CSH3	MBC1 REFILL ADR EN NXT H																		
R150(1)	CSH5	C4	68Ω	-CSH5	PAGE REFILL T18 H	R25(1)	CSH5	C4	68Ω	CSH5	MBC2 MB SEL HOLD H																		
R91(1)	CSH5	C4	68Ω	CSH5	PAGE REFILL T11 H	R115(1)	CSH5	C5	68Ω	CSH5	MBC2 MB SEL HOLD FF 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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CHG. CHANGE NO. REV.	F35132.DR4.5403	30-MAR-77	J. Smith	John M. Smith	CACHE CONTROL TERMINATORS