SIZE	CODE	NUMBER	REV.
B	DD	M8518-YA	

DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS
			MODULE REVISION	A
D-UA-M8518-YA-Ø	5		PHYSICAL MEMORY ADDRESS	-
D-CS-M8518-YA-PMA1	1		EBR & UBR REG UEBR MIX & VA BUF	-
D-CS-M8518-YA-PMA2	1		CACHE CLEARER ADR CTR	-
D-CS-M8518-YA-PMA3	1		PHY ADR MIX PA 14-31	-
D-CS-M8518-YA-PMA4	1		ERA REG,ADR PAR,PA 32-35 MIX	-
D-CS-M8518-YA-PMA5	1		PHY MEM ADR CONTROL LOGIC	-
D-CS-M8518-YA-PMA6	1		PHYSICAL MEM ADR POWER,GND,CAP	-
D-CS-M8518-YA-RES	1		PHYSICAL MEM ADR TERMINATORS	-
D-AH-M8518-Ø-Ø	4		PHYSICAL MEMORY ADDRESS	B
		5010635	ETCHED CIRCUIT BOARD	C
M8518-Ø-L			P.C. DESIGN DATA BASE	REF
M8518- Ø-PL			INSERTION P/L DATA BASE	REF
POO-M8518-YA			PROCESS SHEET	REF

NOTES:

REVISIONS	REV.	CHG NO.	DATE

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digital

USED ON OPTION/MODEL	
KL1Ø-DA	
KL1Ø-DB	
KL1Ø-EA	
KL1Ø-EB	
KL1Ø-PV	

DRN. M. Pasarelli	20OCT76	TITLE: PHYSICAL MEMORY ADDRESS
CHK'D. R.W. Saunter	20OCT76	
ENG. J.P. Allen	25JAN77	SIZE B / CODE DD / NUMBER M8518-YA / REV.
PROD. W. Finley	25JAN77	SHEET 1 OF 1

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5(QTY 12)

19

SEE NOTE 4

0-41

0-39

0-38

0-59A

0-40

0-59B

0-35

0-36

0-37

0-34

0-61B

0-61A

0-60B

0-60A

0-59B

0-59A

0-62B

0-62A

SPARE

CNI

CCI

SPARE

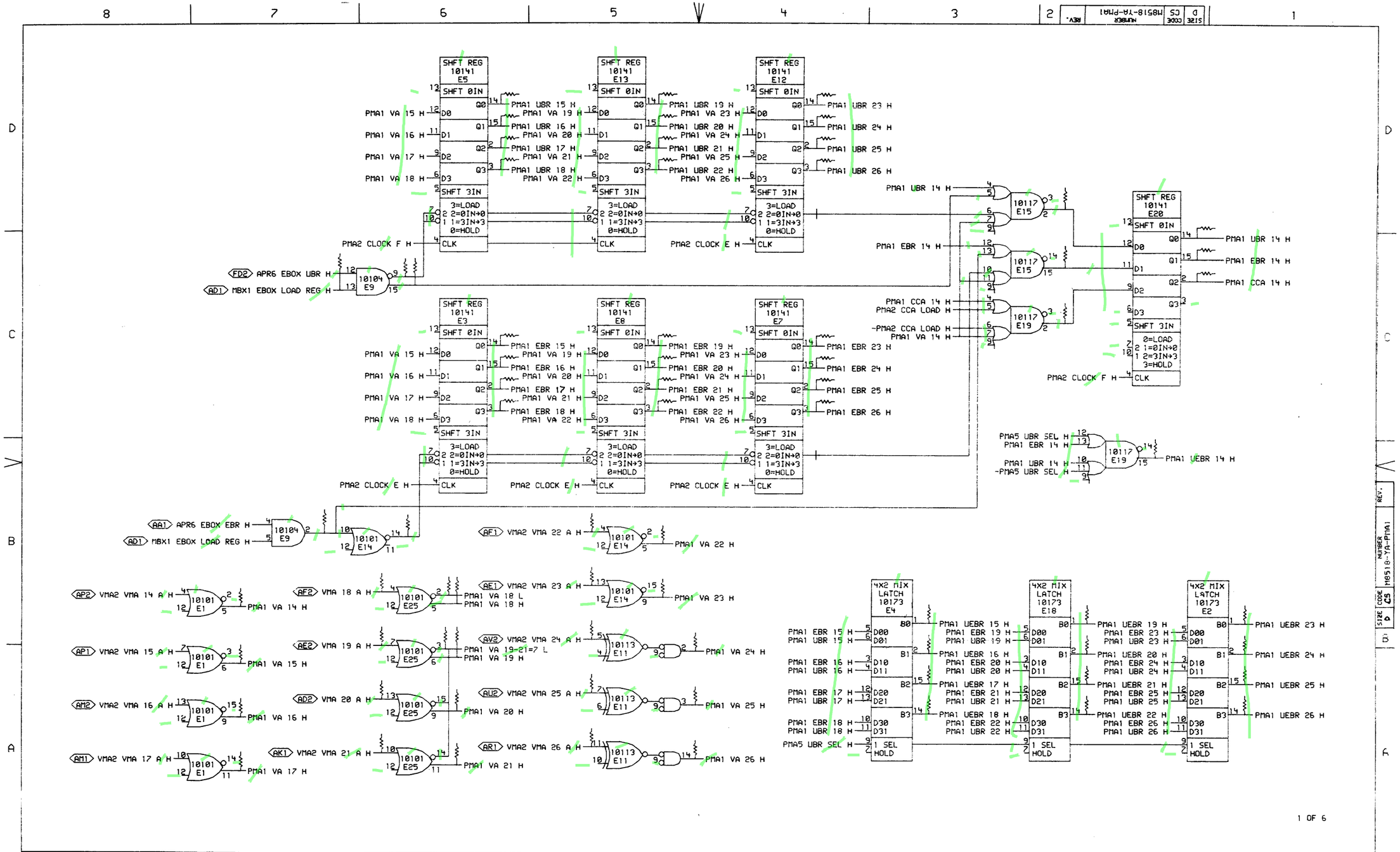
SPARE

REVISIONS

CHK	CHANGE NO	REV

TITLE	SIZE	CODE	NUMBER	REV
PHYSICAL MEMORY ADDRESS	D	UA	M8518-YA-Ø	
SCALE NONE	SHEET 2 OF 6	DIST.		

MR



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REVISIONS		
CHK	CHANGE NO.	REV

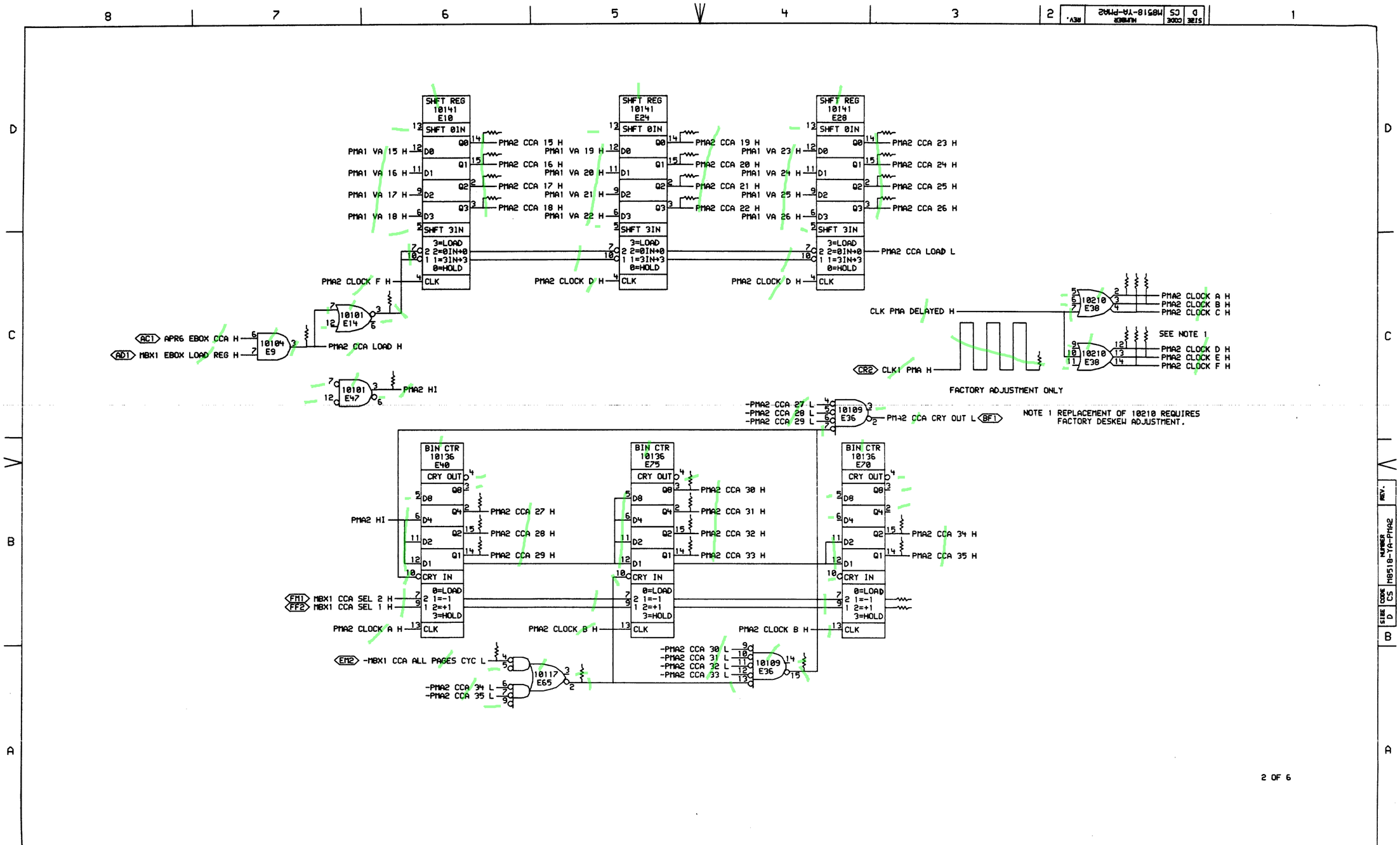
digital

DRN. D. Toorby DATE 17-JAN-77
CHK'D. J. D. Allen DATE 19 JAN 77
ENG. J. D. Allen DATE 19 JAN 77
BOARD LOCATION: 4AF29
SHEET 1 OF 1
PMA1EF.DRW[4,546] 17-JAN-77 09:58
FIRST USED ON OPTION/MODEL: KL10PV
NEXT HIGHER ASSEMBLY: B-DD-M8518-YA

TITLE: EBR & UBR REG
UEBR MIX & VA BUF

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-PMA1	

MR



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REVISIONS		
CHK	CHANGE NO.	REV

digital

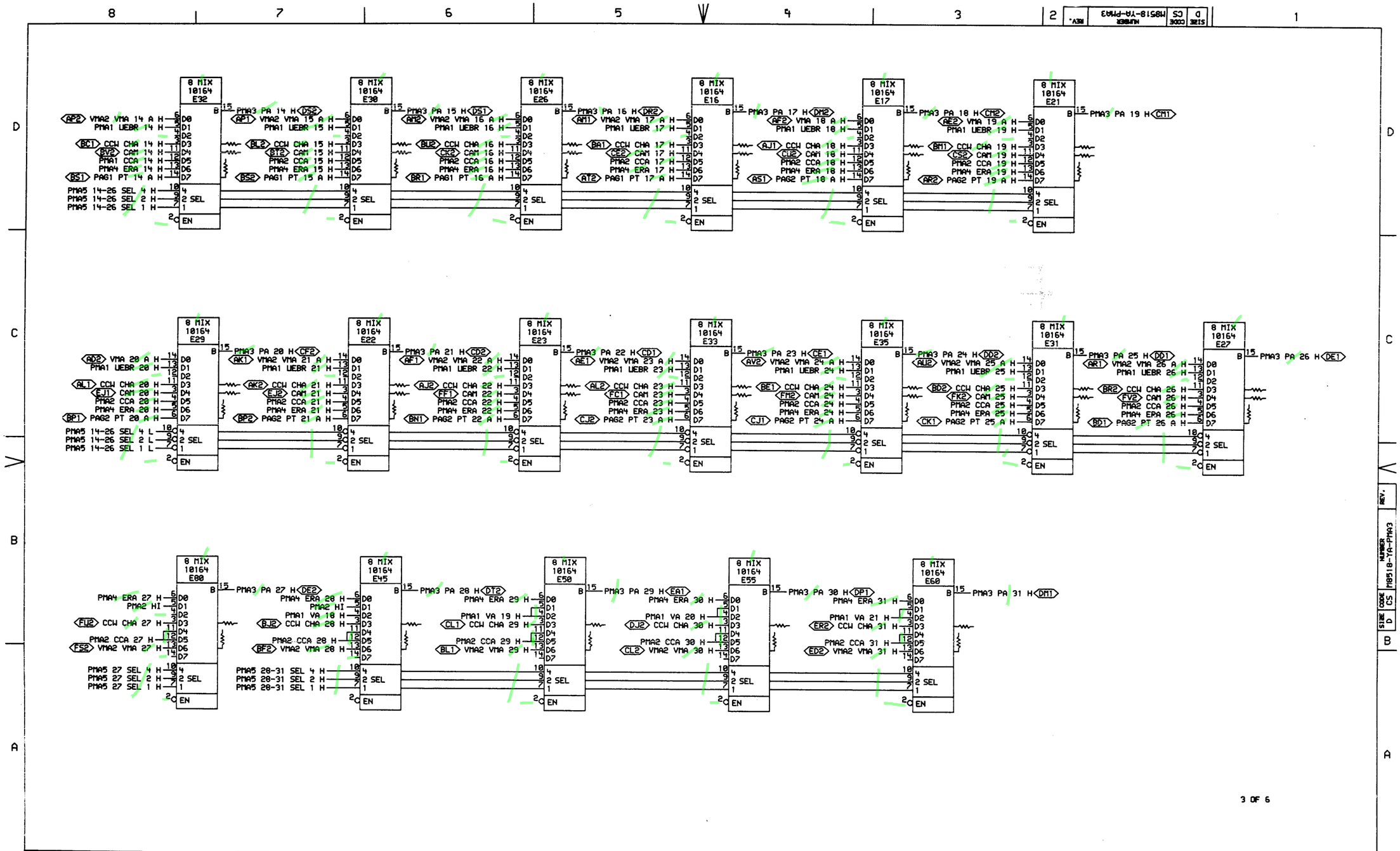
DRN. S. Toosky DATE 09-SEP-76 ENG. J.D. Allen DATE 19 JAN 77
CHK'D D. Stephenson DATE 9/12/76 BOARD LOCATION: 4AF29
SHEET 1 OF 1
PMA2EF.DRW[4,175] 07-SEP-76 13:15 NEXT HIGHER ASSEMBLY:
FIR T USED ON OPTION/MODEL: KL10PV B-DD-M8518-YA

TITLE: CACHE CLEARER ADR CTR

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-PMA2	

85

1 MR



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REVISIONS		
CHK	CHANGE NO.	REV

digital

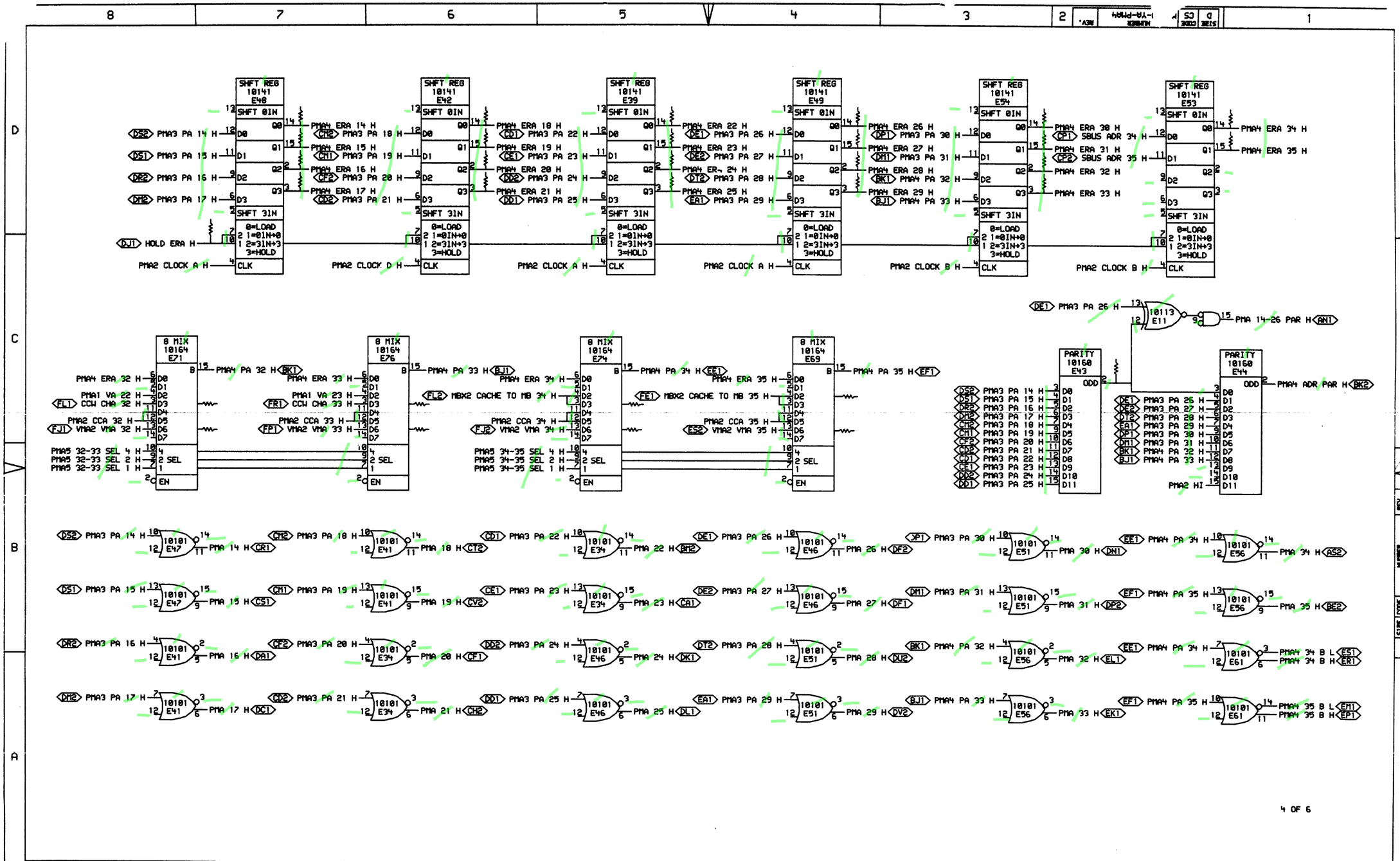
DRN. DATE 13-SEP-76 ENG. DATE 19 Jan 79
CHK'D. DATE 9/14/76 BOARD LOCATION: 4AF29
SHEET 1 OF 1
PMA3EF.DRW[4,175] 10-SEP-76 18:13 NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: KL10PV B-DD-M8518-YA

TITLE: PHY ADR MIX PA 14-31

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-PMA3	

1 MR

86



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REVISIONS		
CHK	CHANGE NO.	REV

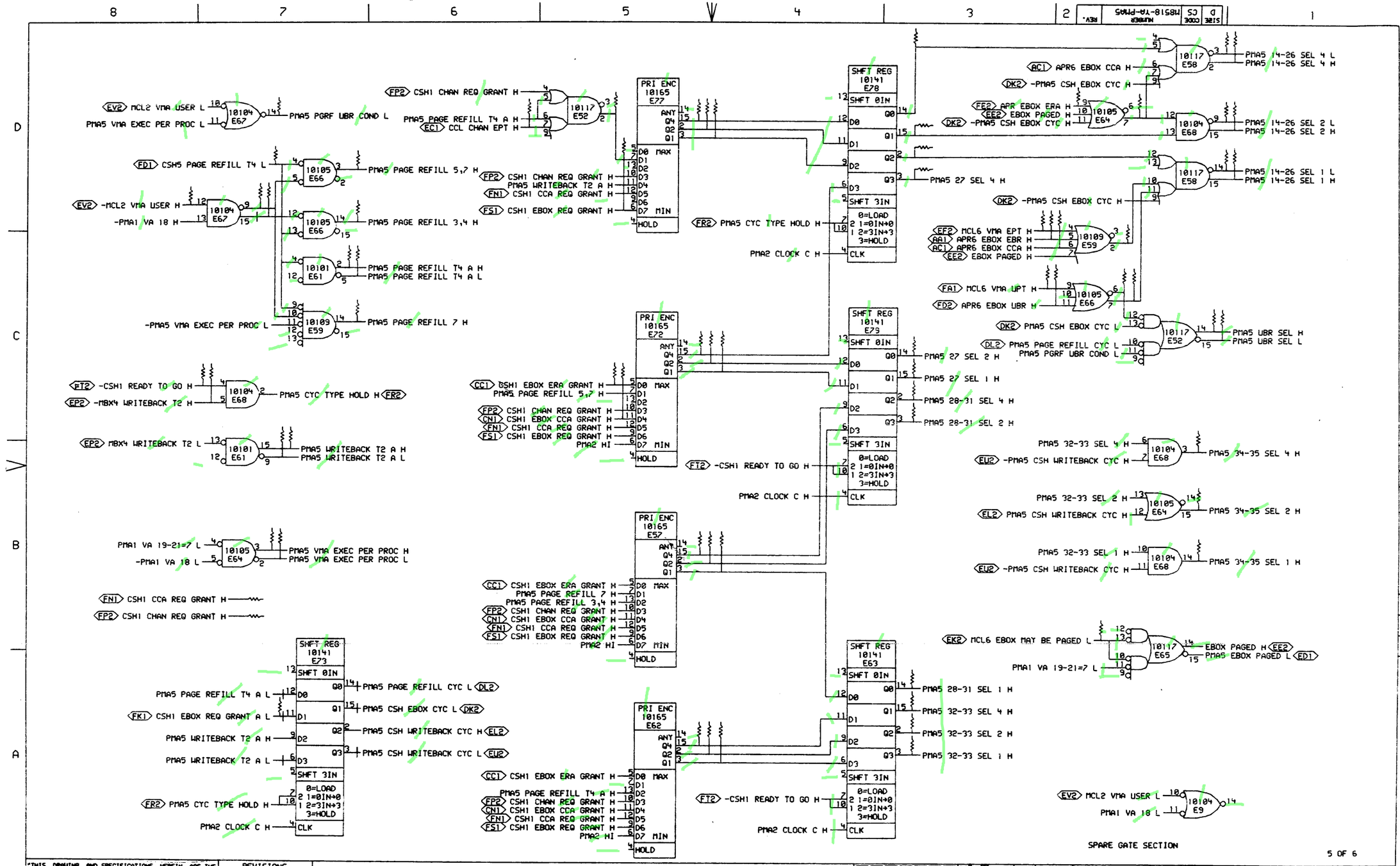
digital

DRW. [signature] DATE 09-SEP-76 ENG. [signature] DATE 19JAN79
CHK'D [signature] DATE 9/12/76 BOARD LOCATION: 4AF29
SHEET 1 OF 1
PMA4EF.DRW[4,175] 07-SEP-76 13:20 NEXT HIGHER ASSEMBLY: B-DD-M8518-YA
FIRST USED ON OPTION/MODEL: KL10PV

TITLE: ERA REG, ADR PAR, PA 32-35 MIX

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-PMA4	

87


EV2 MCL2 VMA USER L
PMA5 VMA EXEC PER PROC L
10104 E67
PMA5 PGRF UBR COND L
FD1 CSM5 PAGE REFILL T4 L
EV2 -MCL2 VMA USER H
-PMA1 VA 18 H
10105 E66
PMA5 PAGE REFILL 5,7 H
PMA5 PAGE REFILL 3,4 H
10101 E61
PMA5 PAGE REFILL T4 A H
PMA5 PAGE REFILL T4 A L
-PMA5 VMA EXEC PER PROC L
10109 E59
PMA5 PAGE REFILL 7 H
PT2 -CSH1 READY TO GO H
EP2 -MBX4 WRITEBACK T2 H
10104 E68
PMA5 CYC TYPE HOLD H FR2
EP2 MBX4 WRITEBACK T2 L
PMA5 WRITEBACK T2 A H
PMA5 WRITEBACK T2 A L
FP2 CSH1 CHAN REQ GRANT H
PMA5 PAGE REFILL T4 A H
10117 E52
EC1 CCL CHAN EPT H
PRI ENC 10165 E77
ANY Q4 Q2 Q1
D0 MAX D1 D2 D3 D4 D5 D6 D7 MIN
HOLD
FP2 CSH1 CHAN REQ GRANT H
PMA5 WRITEBACK T2 A H
FN1 CSH1 CCA REQ GRANT H
FS1 CSH1 EBOX REQ GRANT H
FR2 PMA5 CYC TYPE HOLD H
PMA2 CLOCK C H
SHFT REG 10141 E78
SHFT 0IN
Q0 Q1 Q2 Q3
D0 D1 D2 D3
SHFT 3IN
0=LOAD 2 1=0IN+0 1 2=3IN+3 3=HOLD
CLK
PMA5 27 SEL 4 H
AC1 APR6 EBOX CCA H
DK2 -PMA5 CSH EBOX CYC H
10117 E58
PMA5 14-26 SEL 4 L
PMA5 14-26 SEL 4 H
FE2 APR EBOX ERA H
EE2 EBOX PAGED H
10105 E64
DK2 -PMA5 CSH EBOX CYC H
10104 E68
PMA5 14-26 SEL 2 L
PMA5 14-26 SEL 2 H
10117 E58
PMA5 14-26 SEL 1 L
PMA5 14-26 SEL 1 H
DK2 -PMA5 CSH EBOX CYC H
EF2 MCL6 VMA EPT H
AA1 APR6 EBOX EBR H
AC1 APR6 EBOX CCA H
EE2 EBOX PAGED H
10109 E59
FA1 MCL6 VMA UPT H
FD2 APR6 EBOX UBR H
10105 E66
DK2 PMA5 CSH EBOX CYC L
DL2 PMA5 PAGE REFILL CYC L
PMA5 PGRF UBR COND L
10117 E52
PMA5 UBR SEL H
PMA5 UBR SEL L
CC1 CSH1 EBOX ERA GRANT H
PMA5 PAGE REFILL 5,7 H
CN1 CSH1 EBOX CCA GRANT H
FN1 CSH1 CCA REQ GRANT H
PMA2 HI
SHFT REG 10141 E79
PMA5 27 SEL 2 H
PMA5 27 SEL 1 H
PMA5 28-31 SEL 4 H
PMA5 28-31 SEL 2 H
FT2 -CSH1 READY TO GO H
PMA5 32-33 SEL 4 H
EU2 -PMA5 CSH WRITEBACK CYC H
10104 E68
PMA5 34-35 SEL 4 H
PMA5 32-33 SEL 2 H
EL2 PMA5 CSH WRITEBACK CYC H
10105 E64
PMA5 34-35 SEL 2 H
PMA5 32-33 SEL 1 H
PMA5 34-35 SEL 1 H
PMA1 VA 19-21=7 L
-PMA1 VA 18 L
10105 E64
PMA5 VMA EXEC PER PROC H
PMA5 VMA EXEC PER PROC L
PRI ENC 10165 E57
PMA5 PAGE REFILL 7 H
PMA5 PAGE REFILL 3,4 H
SHFT REG 10141 E73
PMA5 PAGE REFILL T4 A L
FK1 CSH1 EBOX REQ GRANT A L
PMA5 WRITEBACK T2 A H
PMA5 WRITEBACK T2 A L
PMA5 PAGE REFILL CYC L DL2
PMA5 CSH EBOX CYC L DK2
PMA5 CSH WRITEBACK CYC H EL2
PMA5 CSH WRITEBACK CYC L EU2
PRI ENC 10165 E62
PMA5 PAGE REFILL T4 A H
SHFT REG 10141 E63
PMA5 28-31 SEL 1 H
PMA5 32-33 SEL 4 H
PMA5 32-33 SEL 2 H
PMA5 32-33 SEL 1 H
EK2 MCL6 EBOX MAY BE PAGED L
10117 E65
EBOX PAGED H EE2
PMA5 EBOX PAGED L ED1
EV2 MCL2 VMA USER L
PMA1 VA 18 L
10104 E9
SPARE GATE SECTION
5 OF 6
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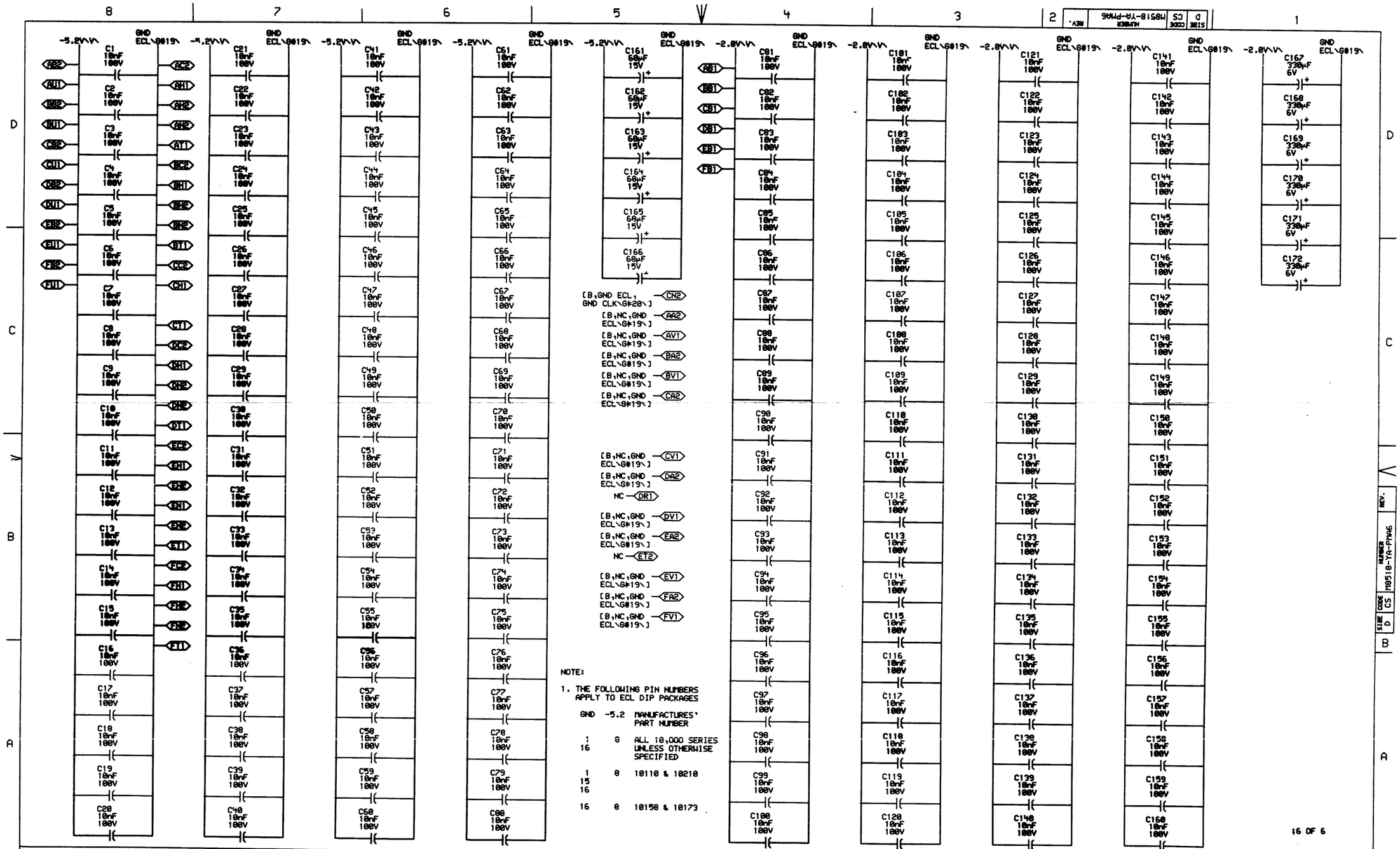
REVISIONS
CHK CHANGE NO. REV
digital
DRN S.Toomey DATE 17-JAN-77
CHK D.J.Allen DATE 17-JAN-77
ENG J.K.Allen DATE 19 JAN 77
BOARD LOCATION: 4AE29
SHEET 1 OF 1
PMASEF.DRU[4,546] 17-JAN-77 10:04
NEXT HIGHER ASSEMBLY: B-DD-M8518-YA
FIRST USED ON OPTION/MODEL: KL10PV
TITLE: PHY MEM ADR CONTROL LOGIC
SIZE D CODE CS NUMBER M8518-YA-PMA5 REV.
M8518-YA-PMA5 REV. SIZE D CODE CS NUMBER

1 MR

88



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REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. S. Toomey DATE 03-SEP-76
CHK'D W. Stephenson DATE 3Sep76
ENG. J. C. Allen DATE 3Sep76
PMASEP.DRW[4,175] 03-SEP-76 12:15
BOARD LOCATION: 4AF29
SHEET 1 OF 1
NEXT HIGHER ASSEMBLY: B-DD-M8518-YA
FIRST USED ON OPTION/MODEL: KL10PV

TITLE: PHYSICAL MEM ADR PWR, GND, CAP

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-PMA6	

89

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R171(1)	PMA1	B6	68Ω	%E14(14)
R11(1)	PMA1	C2	68Ω	%E15(15)
R12(1)	PMA1	D2	68Ω	%E15(2)
R8(1)	PMA1	C2	68Ω	%E19(2)
R30(1)	PMA2	A4	68Ω	%E36(15)
R226(1)	PMA4	C2	68Ω	%E43(2)
R219(1)	PMA5	D5	68Ω	%E52(2)
R163(1)	PMA5	B5	68Ω	%E57(15)
R160(1)	PMA5	B4	68Ω	%E57(2)
R147(1)	PMA5	B4	68Ω	%E57(3)
R144(1)	PMA5	C2	68Ω	%E59(2)
R150(1)	PMA5	A5	68Ω	%E62(15)
R153(1)	PMA5	A4	68Ω	%E62(2)
R152(1)	PMA5	A4	68Ω	%E62(3)
R145(1)	PMA5	D2	68Ω	%E64(7)
R28(1)	PMA2	A5	68Ω	%E65(2)
R204(1)	PMA5	C2	68Ω	%E66(6)
R146(1)	PMA5	C2	68Ω	%E66(7)
R251(1)	PMA5	D7	68Ω	%E67(15)
R262(1)	PMA5	D7	68Ω	%E67(9)
R159(1)	PMA5	C5	68Ω	%E72(15)
R114(1)	PMA5	C4	68Ω	%E72(2)
R119(1)	PMA5	C4	68Ω	%E72(3)
R158(1)	PMA5	D5	68Ω	%E77(15)
R162(1)	PMA5	D4	68Ω	%E77(2)
R161(1)	PMA5	D4	68Ω	%E77(3)
R148(1)	PMA5	D3	68Ω	%E78(14)
R151(1)	PMA5	D3	68Ω	%E78(15)
R143(1)	PMA5	D3	68Ω	%E78(2)
R9(1)	PMA1	C6	68Ω	%E9(15)
R5(1)	PMA1	B7	68Ω	%E9(2)
R170(1)	PMA1	C6	68Ω	%E9(9)
R104(1)	PMA5	D2	68Ω	APR EBOX ERA H
R217(1)	PMA5	C2	68Ω	APR6 EBOX CCA H
R103(1)	PMA5	C3	68Ω	APR6 EBOX EBR H
R71(1)	PMA5	C2	68Ω	APR6 EBOX UBR H
R89(1)	PMA3	D7	68Ω	CAM 14 H
R245(1)	PMA3	D6	68Ω	CAM 15 H
R241(1)	PMA3	D5	68Ω	CAM 16 H
R230(1)	PMA3	D4	68Ω	CAM 17 H
R175(1)	PMA3	D3	68Ω	CAM 18 H
R234(1)	PMA3	D2	68Ω	CAM 19 H
R19(1)	PMA3	C7	68Ω	CAM 20 H
R183(1)	PMA3	C6	68Ω	CAM 21 H
R81(1)	PMA3	C5	68Ω	CAM 22 H
R23(1)	PMA3	C4	68Ω	CAM 23 H
R97(1)	PMA3	C3	68Ω	CAM 24 H
R92(1)	PMA3	C2	68Ω	CAM 25 H
R198(1)	PMA3	C1	68Ω	CAM 26 H
R205(1)	PMA5	D6	68Ω	CCL CHAN EPT H
R135(1)	PMA3	D7	68Ω	CCW CHA 14 H
R247(1)	PMA3	D6	68Ω	CCW CHA 15 H
R243(1)	PMA3	D5	68Ω	CCW CHA 16 H
R232(1)	PMA3	D4	68Ω	CCW CHA 17 H
R177(1)	PMA3	D3	68Ω	CCW CHA 18 H
R238(1)	PMA3	D2	68Ω	CCW CHA 19 H
R84(1)	PMA3	C7	68Ω	CCW CHA 20 H
R187(1)	PMA3	C6	68Ω	CCW CHA 21 H
R80(1)	PMA3	C5	68Ω	CCW CHA 22 H
R202(1)	PMA3	C4	68Ω	CCW CHA 23 H
R93(1)	PMA3	C3	68Ω	CCW CHA 24 H
R196(1)	PMA3	C2	68Ω	CCW CHA 25 H
R189(1)	PMA3	C1	68Ω	CCW CHA 26 H
R60(1)	PMA3	B7	68Ω	CCW CHA 27 H
R34(1)	PMA3	B6	68Ω	CCW CHA 28 H
R44(1)	PMA3	B5	68Ω	CCW CHA 29 H
R48(1)	PMA3	B4	68Ω	CCW CHA 30 H
R52(1)	PMA3	B3	68Ω	CCW CHA 31 H
R255(1)	PMA4	C7	68Ω	CCW CHA 32 H
R218(1)	PMA4	C6	68Ω	CCW CHA 33 H
R141(1)	PMA2	C2	68Ω	CLK1 PMA H
R210(1)	PMA5	B7	68Ω	CSH1 CCA REQ GRANT H
R209(1)	PMA5	B7	68Ω	CSH1 CHAN REQ GRANT H
R211(1)	PMA5	C5	68Ω	CSH1 EBOX CCA GRANT H
R213(1)	PMA5	C5	68Ω	CSH1 EBOX ERA GRANT H
R212(1)	PMA5	D5	68Ω	CSH1 EBOX REQ GRANT H
R157(1)	PMA5	A7	68Ω	-CSH1 EBOX REQ GRANT A H
R149(1)	PMA5	C7	68Ω	-CSH1 READY TO GO H
R263(1)	PMA5	D7	68Ω	-CSH5 PAGE REFILL T4 H
R100(1)	PMA4	C7	68Ω	HOLD ERA H
R54(1)	PMA2	A6	68Ω	MBX1 CCA ALL PAGES CYC H
R32(1)	PMA2	B3	68Ω	MBX1 CCA SEL 1 H
R99(1)	PMA2	B3	68Ω	MBX1 CCA SEL 2 H
R70(1)	PMA1	C7	68Ω	MBX1 EBOX LOAD REG H
R115(1)	PMA4	C5	68Ω	MBX2 CACHE TO MB 34 H
R111(1)	PMA4	C4	68Ω	MBX2 CACHE TO MB 35 H
R155(1)	PMA5	C7	68Ω	-MBX4 WRITEBACK T2 H
R73(1)	PMA5	D7	68Ω	-MCL2 VMA USER H
R55(1)	PMA5	B2	68Ω	-MCL6 EBOX MAY BE PAGED H
R102(1)	PMA5	C3	68Ω	MCL6 VMA EPT H
R252(1)	PMA5	C3	68Ω	MCL6 VMA UPT H
R137(1)	PMA3	D7	68Ω	PAG1 PT 14 A H
R249(1)	PMA3	D6	68Ω	PAG1 PT 15 A H
R237(1)	PMA3	D5	68Ω	PAG1 PT 16 A H
R228(1)	PMA3	D4	68Ω	PAG1 PT 17 A H
R173(1)	PMA3	D3	68Ω	PAG2 PT 18 A H
R231(1)	PMA3	D2	68Ω	PAG2 PT 19 A H
R83(1)	PMA3	C7	68Ω	PAG2 PT 20 A H
R186(1)	PMA3	C6	68Ω	PAG2 PT 21 A H
R133(1)	PMA3	C5	68Ω	PAG2 PT 22 A H
R21(1)	PMA3	C4	68Ω	PAG2 PT 23 A H
R96(1)	PMA3	C3	68Ω	PAG2 PT 24 A H
R201(1)	PMA3	C2	68Ω	PAG2 PT 25 A H
R140(1)	PMA3	C1	68Ω	PAG2 PT 26 A H
R86(1)	PMA1	C2	68Ω	PMA1 CCA 14 H
R75(1)	PMA1	C2	68Ω	PMA1 EBR 14 H
R69(1)	PMA1	C6	68Ω	PMA1 EBR 15 H
R66(1)	PMA1	C6	68Ω	PMA1 EBR 16 H
R65(1)	PMA1	C6	68Ω	PMA1 EBR 17 H
R120(1)	PMA1	C6	68Ω	PMA1 EBR 18 H
R130(1)	PMA1	C5	68Ω	PMA1 EBR 19 H
R127(1)	PMA1	C5	68Ω	PMA1 EBR 20 H
R123(1)	PMA1	C5	68Ω	PMA1 EBR 21 H
R125(1)	PMA1	C5	68Ω	PMA1 EBR 22 H
R169(1)	PMA1	C4	68Ω	PMA1 EBR 23 H
R166(1)	PMA1	C4	68Ω	PMA1 EBR 24 H
R165(1)	PMA1	C4	68Ω	PMA1 EBR 25 H
R225(1)	PMA1	C4	68Ω	PMA1 EBR 26 H
R76(1)	PMA1	C2	68Ω	PMA1 UBR 14 H
R68(1)	PMA1	D6	68Ω	PMA1 UBR 15 H
R67(1)	PMA1	D6	68Ω	PMA1 UBR 16 H
R64(1)	PMA1	D6	68Ω	PMA1 UBR 17 H
R122(1)	PMA1	D6	68Ω	PMA1 UBR 18 H
R129(1)	PMA1	D5	68Ω	PMA1 UBR 19 H
R128(1)	PMA1	D5	68Ω	PMA1 UBR 20 H
R124(1)	PMA1	D5	68Ω	PMA1 UBR 21 H
R126(1)	PMA1	D5	68Ω	PMA1 UBR 22 H
R168(1)	PMA1	D4	68Ω	PMA1 UBR 23 H
R167(1)	PMA1	D4	68Ω	PMA1 UBR 24 H
R164(1)	PMA1	D4	68Ω	PMA1 UBR 25 H
R224(1)	PMA1	D4	68Ω	PMA1 UBR 26 H
R138(1)	PMA1	B2	68Ω	PMA1 UEBR 14 H
R248(1)	PMA1	B3	68Ω	PMA1 UEBR 15 H
R244(1)	PMA1	A3	68Ω	PMA1 UEBR 16 H
R233(1)	PMA1	A3	68Ω	PMA1 UEBR 17 H
R178(1)	PMA1	A3	68Ω	PMA1 UEBR 18 H
R239(1)	PMA1	B2	68Ω	PMA1 UEBR 19 H
R85(1)	PMA1	A2	68Ω	PMA1 UEBR 20 H
R176(1)	PMA1	A2	68Ω	PMA1 UEBR 21 H
R79(1)	PMA1	A2	68Ω	PMA1 UEBR 22 H
R18(1)	PMA1	B1	68Ω	PMA1 UEBR 23 H
R90(1)	PMA1	A1	68Ω	PMA1 UEBR 24 H
R193(1)	PMA1	A1	68Ω	PMA1 UEBR 25 H
R188(1)	PMA1	A1	68Ω	PMA1 UEBR 26 H
R7(1)	PMA1	B7	68Ω	PMA1 VA 14 H
R6(1)	PMA1	A7	68Ω	PMA1 VA 15 H
R1(1)	PMA1	A7	68Ω	PMA1 VA 16 H
R3(1)	PMA1	A7	68Ω	PMA1 VA 17 H
R105(1)	PMA1	B6	68Ω	PMA1 VA 18 H
R265(1)	PMA1	B6	68Ω	-PMA1 VA 18 H
R42(1)	PMA1	B6	68Ω	PMA1 VA 19 H
R107(1)	PMA1	B6	68Ω	-PMA1 VA 19-21=7
R46(1)	PMA1	A6	68Ω	PMA1 VA 20 H
R50(1)	PMA1	A6	68Ω	PMA1 VA 21 H
R256(1)	PMA1	B5	68Ω	PMA1 VA 22 H
R222(1)	PMA1	B5	68Ω	PMA1 VA 23 H
R87(1)	PMA1	A4	68Ω	PMA1 VA 24 H
R131(1)	PMA1	A4	68Ω	PMA1 VA 25 H
R88(1)	PMA1	A4	68Ω	PMA1 VA 26 H
R246(1)	PMA2	D6	68Ω	PMA2 CCA 15 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

F85181.DRW[4,546] 07-JAN-77 10:18

DRN. C Smith DATE 17-JAN-77
CHK'D. J.J. Allen DATE 17-JAN-77
ENG J.J. Allen DATE 17-JAN-77
BOARD LOCATION: 4A-29
SHEET 1 OF 2
NEXT HIGHER ASSEMBLY: B-DD-M8518-YA
FIRST USED ON OPTION/MODEL: KL10PV

TITLE: PHYSICAL MEM ADDR TERMINATORS

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-RES	MR 1

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R240(1)	PMA2	D6	68Ω	PMA2 CCA 16 H
R229(1)	PMA2	D6	68Ω	PMA2 CCA 17 H
R174(1)	PMA2	D6	68Ω	PMA2 CCA 18 H
R236(1)	PMA2	D5	68Ω	PMA2 CCA 19 H
R20(1)	PMA2	D5	68Ω	PMA2 CCA 20 H
R184(1)	PMA2	D5	68Ω	PMA2 CCA 21 H
R132(1)	PMA2	D5	68Ω	PMA2 CCA 22 H
R24(1)	PMA2	D3	68Ω	PMA2 CCA 23 H
R94(1)	PMA2	D3	68Ω	PMA2 CCA 24 H
R199(1)	PMA2	D3	68Ω	PMA2 CCA 25 H
R194(1)	PMA2	D3	68Ω	PMA2 CCA 26 H
R58(1)	PMA2	B6	68Ω	PMA2 CCA 27 H
R36(1)	PMA2	B6	68Ω	PMA2 CCA 28 H
R37(1)	PMA2	B6	68Ω	PMA2 CCA 29 H
R31(1)	PMA2	B5	68Ω	PMA2 CCA 30 H
R25(1)	PMA2	B5	68Ω	PMA2 CCA 31 H
R26(1)	PMA2	B5	68Ω	PMA2 CCA 32 H
R27(1)	PMA2	B5	68Ω	PMA2 CCA 33 H
R113(1)	PMA2	B3	68Ω	PMA2 CCA 34 H
R189(1)	PMA2	B3	68Ω	PMA2 CCA 35 H
R74(1)	PMA2	C7	68Ω	PMA2 CCA LOAD H
R4(1)	PMA2	C6	68Ω	-PMA2 CCA LOAD H
R142(1)	PMA2	C2	68Ω	PMA2 CLOCK A H
R56(1)	PMA2	C2	68Ω	PMA2 CLOCK B H
R63(1)	PMA2	C2	68Ω	PMA2 CLOCK C H
R16(1)	PMA2	C2	68Ω	PMA2 CLOCK D H
R121(1)	PMA2	C2	68Ω	PMA2 CLOCK E H
R2(1)	PMA2	C2	68Ω	PMA2 CLOCK F H
R268(1)	PMA2	C6	68Ω	PMA2 HI
R136(1)	PMA4	D7	68Ω	PMA4 ERA 14 H
R250(1)	PMA4	D7	68Ω	PMA4 ERA 15 H
R242(1)	PMA4	D7	68Ω	PMA4 ERA 16 H
R227(1)	PMA4	D7	68Ω	PMA4 ERA 17 H
R172(1)	PMA4	D6	68Ω	PMA4 ERA 18 H
R235(1)	PMA4	D6	68Ω	PMA4 ERA 19 H
R82(1)	PMA4	D6	68Ω	PMA4 ERA 20 H
R185(1)	PMA4	D6	68Ω	PMA4 ERA 21 H
R134(1)	PMA4	D5	68Ω	PMA4 ERA 22 H
R22(1)	PMA4	D5	68Ω	PMA4 ERA 23 H
R95(1)	PMA4	D5	68Ω	PMA4 ERA 24 H

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R200(1)	PMA4	D5	68Ω	PMA4 ERA 25 H
R139(1)	PMA4	D4	68Ω	PMA4 ERA 26 H
R61(1)	PMA4	D4	68Ω	PMA4 ERA 27 H
R39(1)	PMA4	D4	68Ω	PMA4 ERA 28 H
R43(1)	PMA4	D4	68Ω	PMA4 ERA 29 H
R47(1)	PMA4	D3	68Ω	PMA4 ERA 30 H
R51(1)	PMA4	D3	68Ω	PMA4 ERA 31 H
R257(1)	PMA4	D3	68Ω	PMA4 ERA 32 H
R221(1)	PMA4	D3	68Ω	PMA4 ERA 33 H
R116(1)	PMA4	D1	68Ω	PMA4 ERA 34 H
R108(1)	PMA4	D1	68Ω	PMA4 ERA 35 H
R181(1)	PMA5	D1	68Ω	PMA5 14-26 SEL 1 H
R203(1)	PMA5	D1	68Ω	-PMA5 14-26 SEL 1 H
R180(1)	PMA5	D1	68Ω	PMA5 14-26 SEL 2 H
R197(1)	PMA5	D1	68Ω	-PMA5 14-26 SEL 2 H
R179(1)	PMA5	D1	68Ω	PMA5 14-26 SEL 4 H
R195(1)	PMA5	D1	68Ω	-PMA5 14-26 SEL 4 H
R62(1)	PMA5	C3	68Ω	PMA5 27 SEL 1 H
R53(1)	PMA5	C3	68Ω	PMA5 27 SEL 2 H
R57(1)	PMA5	D3	68Ω	PMA5 27 SEL 4 H
R40(1)	PMA5	A3	68Ω	PMA5 28-31 SEL 1 H
R98(1)	PMA5	C3	68Ω	PMA5 28-31 SEL 2 H
R35(1)	PMA5	C3	68Ω	PMA5 28-31 SEL 4 H
R220(1)	PMA5	A3	68Ω	PMA5 32-33 SEL 1 H
R258(1)	PMA5	A3	68Ω	PMA5 32-33 SEL 2 H
R259(1)	PMA5	A3	68Ω	PMA5 32-33 SEL 4 H
R117(1)	PMA5	B2	68Ω	PMA5 34-35 SEL 1 H
R118(1)	PMA5	B2	68Ω	PMA5 34-35 SEL 2 H
R112(1)	PMA5	B2	68Ω	PMA5 34-35 SEL 4 H
R208(1)	PMA5	D7	68Ω	PMA5 PAGE REFILL 3,4 H
R216(1)	PMA5	D7	68Ω	PMA5 PAGE REFILL 5,7 H
R264(1)	PMA5	C7	68Ω	PMA5 PAGE REFILL 7 H
R206(1)	PMA5	C7	68Ω	PMA5 PAGE REFILL T4 A H
R266(1)	PMA5	C7	68Ω	-PMA5 PAGE REFILL T4 A H
R207(1)	PMA5	D7	68Ω	-PMA5 PGRF UBR COND H
R223(1)	PMA5	C2	68Ω	PMA5 UBR SEL H
R77(1)	PMA5	C2	68Ω	-PMA5 UBR SEL H
R261(1)	PMA5	B7	68Ω	PMA5 VMA EXEC PER PROC H
R214(1)	PMA5	B7	68Ω	-PMA5 VMA EXEC PER PROC H
R156(1)	PMA5	B7	68Ω	PMA5 WRITEBACK T2 A H

RESISTOR LOC(PIN)	SHOWN ON DRW#	REF	VALUE	TERMINATES SIGNAL
R267(1)	PMA5	B7	68Ω	-PMA5 WRITEBACK T2 A H
R13(1)	PMA1	B6	68Ω	VMA 18 A H
R14(1)	PMA1	B6	68Ω	VMA 19 A H
R10(1)	PMA1	A6	68Ω	VMA 20 A H
R15(1)	PMA1	A6	68Ω	VMA2 VMA 21 A H
R78(1)	PMA1	B5	68Ω	VMA2 VMA 22 A H
R17(1)	PMA1	B5	68Ω	VMA2 VMA 23 A H
R91(1)	PMA1	B5	68Ω	VMA2 VMA 24 A H
R192(1)	PMA1	A5	68Ω	VMA2 VMA 25 A H
R182(1)	PMA1	A5	68Ω	VMA2 VMA 26 A H
R59(1)	PMA3	A7	68Ω	VMA2 VMA 27 H
R33(1)	PMA3	A6	68Ω	VMA2 VMA 28 H
R38(1)	PMA3	A5	68Ω	VMA2 VMA 29 H
R41(1)	PMA3	A4	68Ω	VMA2 VMA 30 H
R45(1)	PMA3	A3	68Ω	VMA2 VMA 31 H
R253(1)	PMA4	C7	68Ω	VMA2 VMA 32 H
R260(1)	PMA4	C6	68Ω	VMA2 VMA 33 H
R110(1)	PMA4	C5	68Ω	VMA2 VMA 34 H
R106(1)	PMA4	C4	68Ω	VMA2 VMA 35 H

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REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. E. Smith DATE 17-JAN-77
CHK'D J. Allen DATE 17-JAN-77
ENG J. D. Allen DATE 17-JAN-77
BOARD LOCATION:
SHEET 2 OF 2
F85182.DRW[4,546] 17-JAN-77 10:18
NEXT HIGHER ASSEMBLY: B-DD-M8518-YA
FIRST USED ON OPTION/MODEL: KL10PV

TITLE: PHYSICAL MEM ADDR TERMINATORS

SIZE	CODE	NUMBER	REV.
D	CS	M8518-YA-RES	

SIZE D | CODE CS | NUMBER M8518-YA-RES | REV.

91