REVISION CONTROL SHEET

CUSTOMER PRINT SET | MFG SET

DRAWING NO	NO OF SHT	DESCRIPTION	OPTION NO/FILE DATE	REVISIONS RELAYOUT VERSION			
		MODULE REVISION		D	D	D	D
D-UA-M8538-Ø-Ø	5	MTR BOARD		C	C	C	D
D-CS-M8538-Ø-MTR1	1	METER COUNTERS		B	B	B	B
D-CS-M8538-Ø-MTR2	1	ACCOUNTING ENABLES AND IMHZ CLOCKS		C	D	D	D
D-CS-M8538-Ø-MTR3	1	INTERVAL TIMER		C	C	C	C
D-CS-M8538-Ø-MTR4	1	PERFORMANCE ANALYSIS		C	D	D	D
D-CS-M8538-Ø-MTR5	1	EBUS MIXERS AND BUFFERS		C	C	C	C
D-CS-M8538-Ø-MTR6	1	METERS POWER,GND,CAPS		C	C	C	C
D-CS-M8538-Ø-RES	2	METERS TERMINATORS		C	C	C	C
K-CO-M8538-Ø-4	1	MTR BOARD (CALDEC DATA BASE)		B	B	B	C
D-AH-M8538-Ø-5	4	MTR BOARD		A	A	A	B
B-MH-M8538-Ø-6	1	MODULE ECO HISTORY		D	E	E	F
5011440	-	ETCHED CIRCUIT BOARD		B	B	B	C
P00-M8538-ØØ		PROCESS SHEET (REF ONLY)		-	-	-	-

ECO NO: 00003 — CANCELLED PER ECO #4A; 00004 — CANCELLED ECO #4; 0004A; 00005; 0005A; MR006

CUSTOMER PRINT SET CODES
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE		SIZE	CODE	NUMBER	REV
MTR BOARD	SHEET 3 OF 3	B	DD	M8538-Ø	E

325

MR

24 (QTY 12)

23

SPARE

NOTES:

CHK	CHANGE NO	REV

SIGNATURES	DATE
DRN. K.GAMACHE	27JAN77
CHK'D.P. KAMPAS	8FEB77
ENG. P. KAMPAS	8FEB77
PROJ.ENG. T. EGGERS	8FEB77
PROD. W. EMBY	16MAR77
SCALE 2/1	
SHT. 2 OF 5	
NEXT HIGHER ASSY. B-DD-M8538-Ø	

digital

TITLE
MTR BOARD

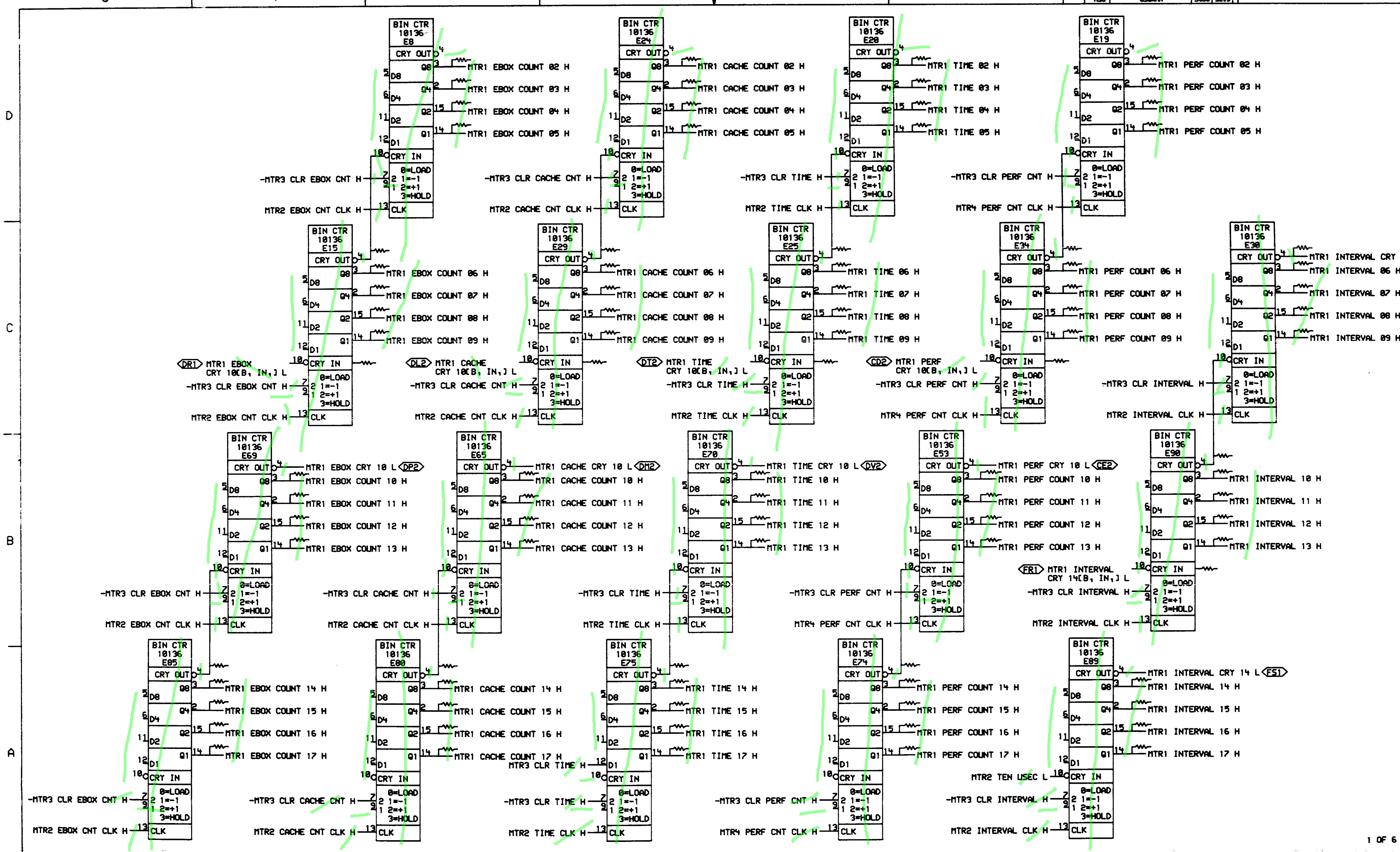
SIZE	CODE	NUMBER	REV
D	UA	M8538-Ø-Ø	D

ETCH REV C

MR 1 MS#30384C

D UA M8538-Ø-Ø D

326



1 OF 6

REVISIONS		
CHK	CHANGE NO.	REV
	M8538-00	B

digital

DRN. | DATE 03-FEB-77 | ENG. P. Kampas | DATE 7 FEB 77
CHKD. | DATE | BOARD LOCATION: 4AF33 | SHEET 1 OF 1

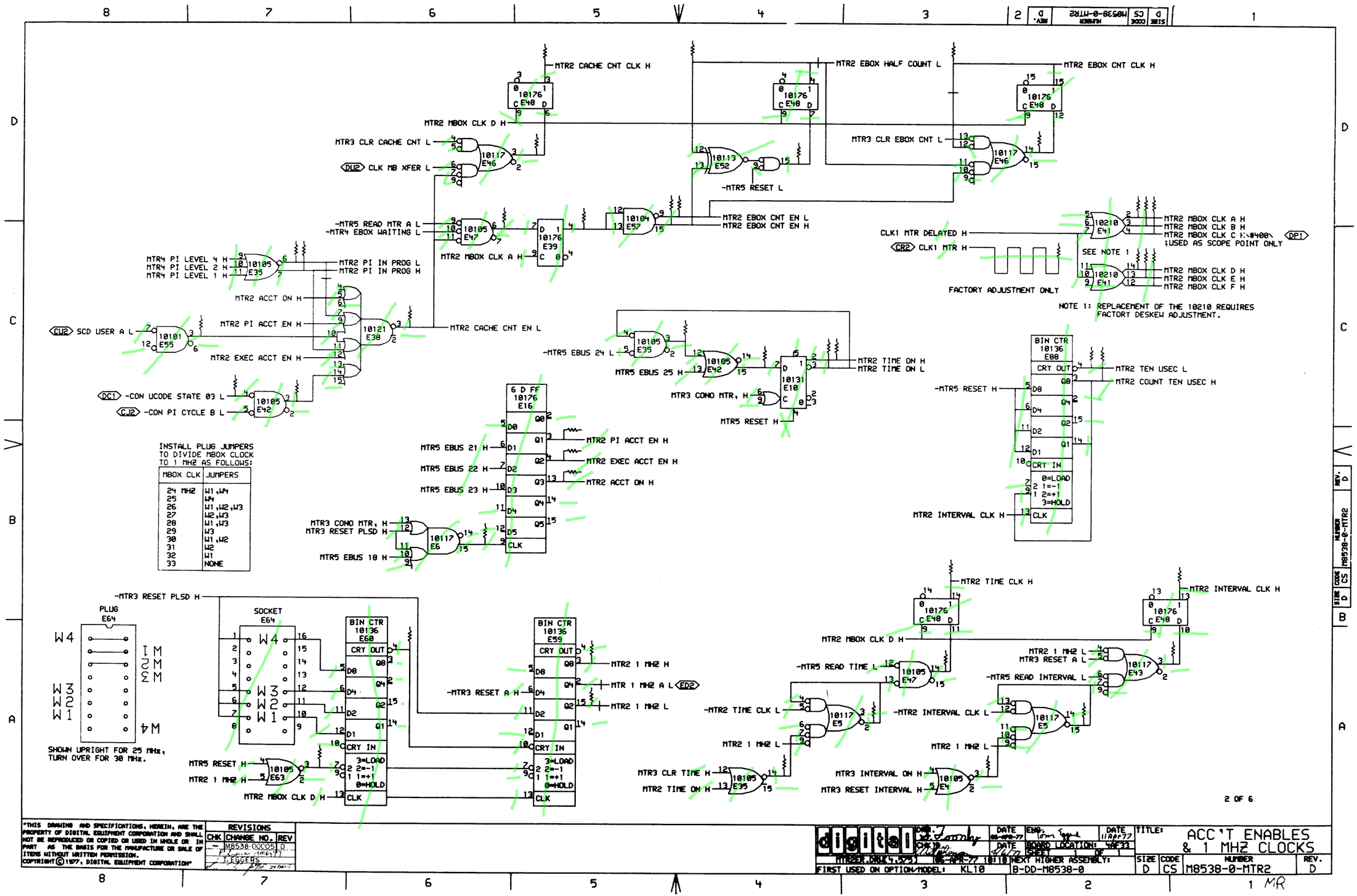
MTR1ER.RVB[4,575] 03-JAN-77 12:33

NEXT HIGHER ASSEMBLY: B-DD-M8538-0

FIRST USED ON OPTION/MODEL: KL10

TITLE: METER COUNTERS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR1	B



REVISIONS

CHK	CHANGE NO.	REV
—	M8538-00005	D

T.EGGERS

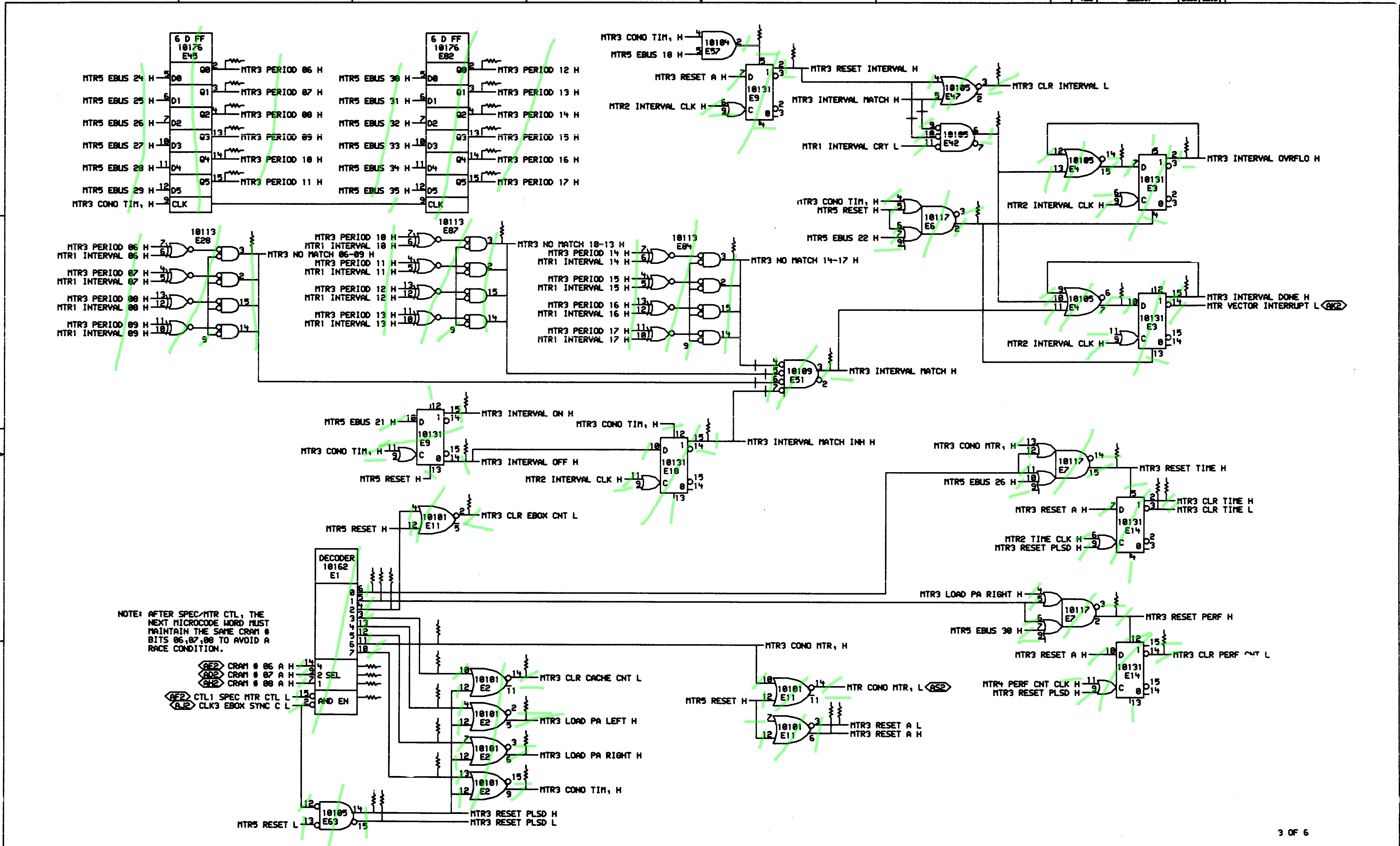
digital

DWN: T.Eggers
CHK: [illegible]
NUMBER DRAWN: 5,525
DATE: 05-APR-77
DATE: 05-APR-77 10:10
ENG: Tom Eggers
DATE: 11APR77
BOARD LOCATION: 4AF33
SHEET 1 OF 1
NEXT HIGHER ASSEMBLY: B-DD-M8538-0
FIRST USED ON OPTION/MODEL: KL10

TITLE: ACC'T ENABLES & 1 MHZ CLOCKS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR2	D

328



3 OF 6

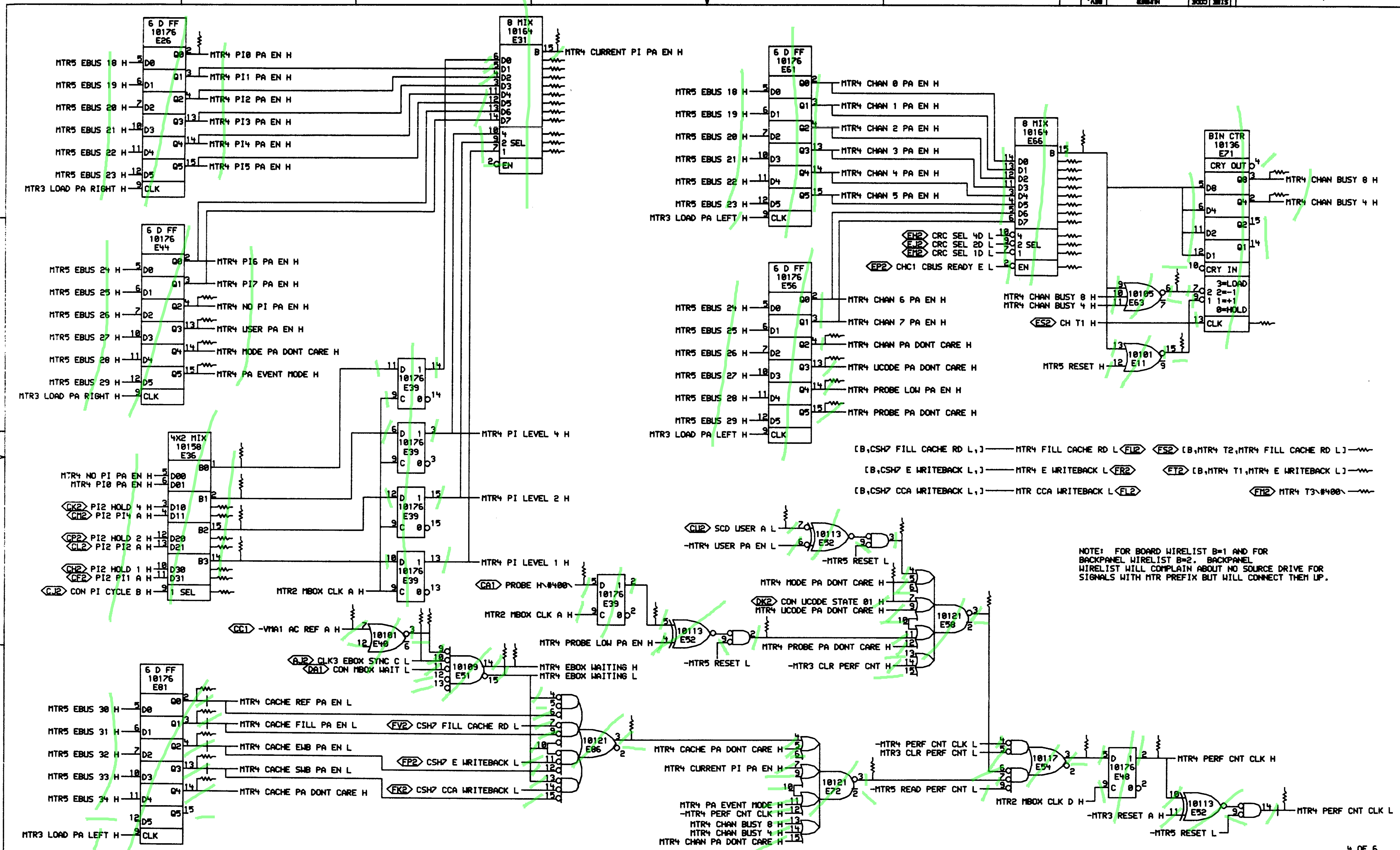
REVISIONS		
CHK	CHANGE NO.	REV
	M8538 00003	C
	J. LEONARD	

digital

DRN.	DATE 03-FEB-77	ENG. P. Kerbe	DATE 7 FEB 77	TITLE: INTERVAL TIMER
CHK'D	DATE	BOARD LOCATION: 4AF33		
MTR3ER.RWC[4,575]	07-FEB-77 07:23	NEXT HIGHER ASSEMBLY:	SHEET 1 OF 1	
FIRST USED ON OPTION/MODEL: KL10		B-DD-M8538-0		

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR3	C

329



REVISIONS		
CHK	CHANGE NO.	REV
	M8538-CCCC5	C

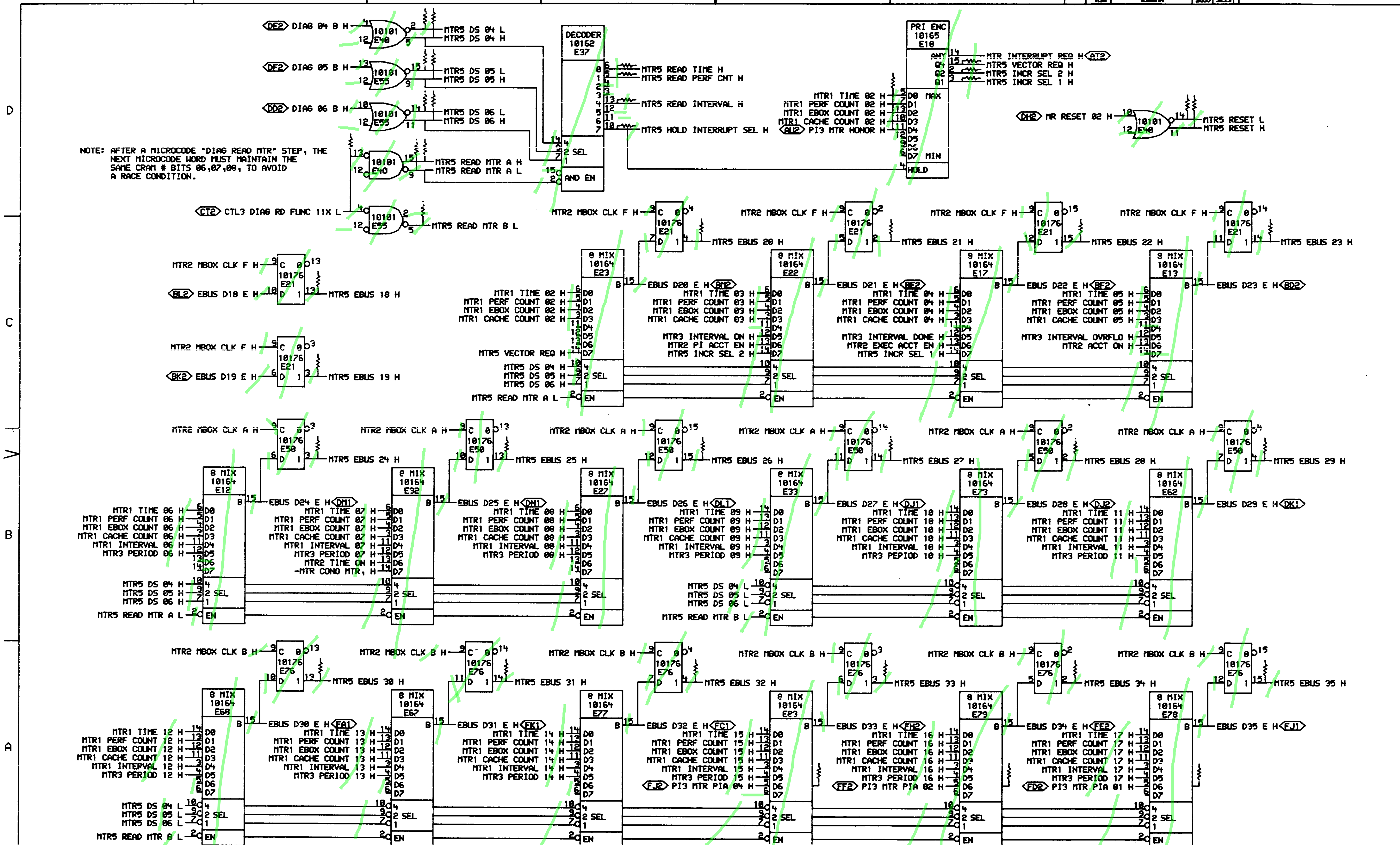
digital

DRN.	DATE 06-APR-77	ENG.	DATE
CHK.	DATE	BOARD LOCATION:	
MTR4ER.DRW[4,575]	06-APR-77 10:24	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: KL10		B-DD-M8538-0	

TITLE: PERFORMANCE ANALYSIS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR4	D

39c



5 OF 6

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REVISIONS		
CHK	CHANGE NO.	REV
	M8538-00003	C
	J. LEONARD	

digital

DATE 04-FEB-77 | ENG P. Kemper | DATE 7 APR 77

BOARD LOCATION: 4AF33 | SHEET 1 OF 1

MTRSER.RVC(4,575) 10-FEB-77 07:44 | NEXT HIGHER ASSEMBLY: B-DD-M8538-0

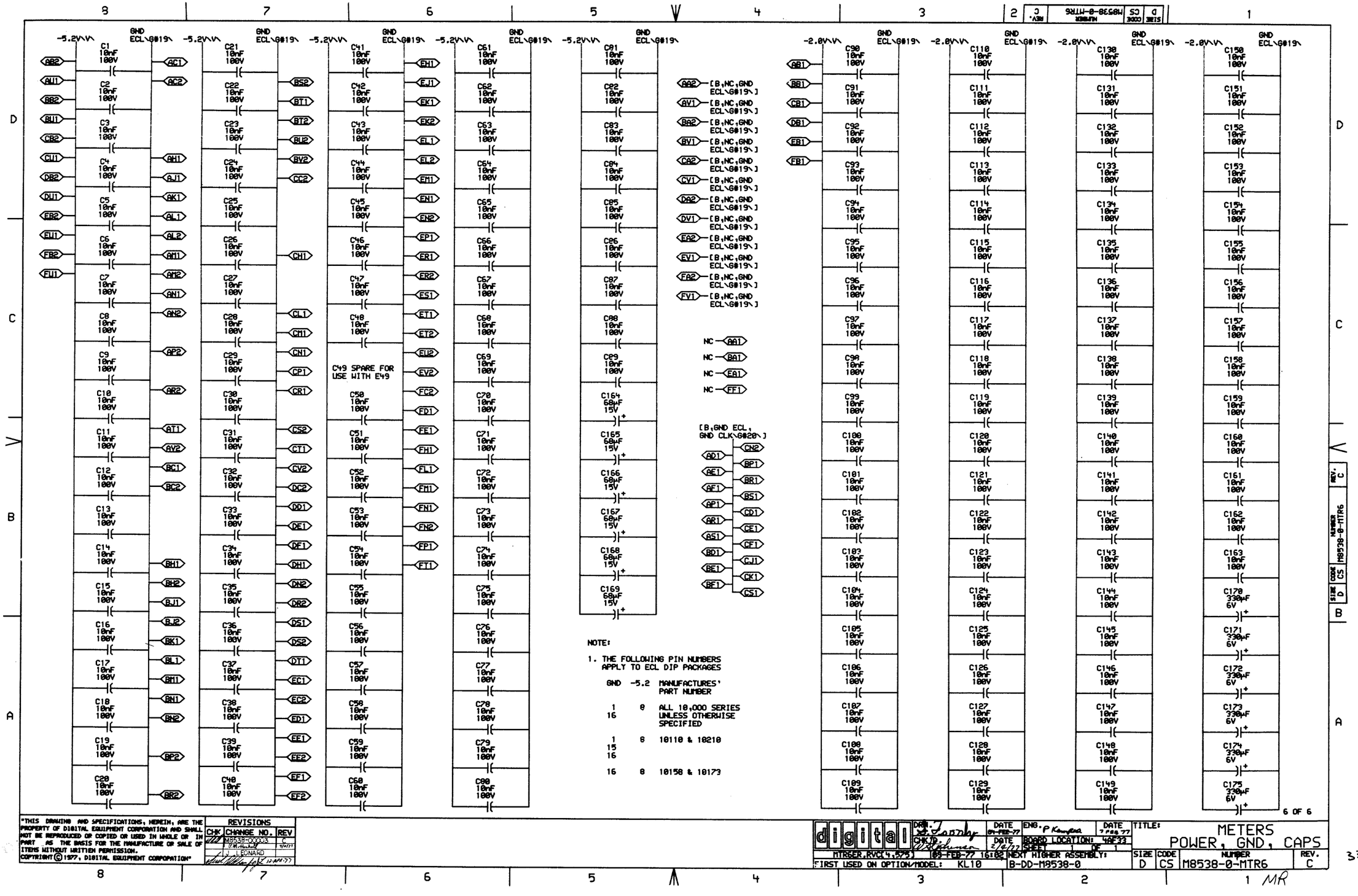
FIRST USED ON OPTION/MODEL: KL10

TITLE: EBUS MIXERS AND BUFFERS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR5	C

331

MR



NOTE:

1. THE FOLLOWING PIN NUMBERS APPLY TO ECL DIP PACKAGES

GND	-5.2	MANUFACTURES' PART NUMBER
1 16	8	ALL 10,000 SERIES UNLESS OTHERWISE SPECIFIED
1 15 16	8	10110 & 10210
16	8	10158 & 10173

REVISIONS		
CHK	CHANGE NO.	REV
	M8538-00003	C
J.W. LEONARD	13-APR-77	

digital

DRN. J. Toohy	DATE 01-FEB-77	ENG. P Kenyon	DATE 7 Feb 77
CHK'D. [illegible]	DATE 2/8/77	BOARD LOCATION: 4A33	
MTRGER.RVC(4.575)	03-FEB-77 16:02	SHEET 1 OF 1	
FIRST USED ON OPTION/MODEL: KL10		NEXT HIGHER ASSEMBLY: B-DD-M8538-0	

TITLE: METERS POWER, GND, CAPS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-MTR6	C

6 OF 6

330

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R167(1)	MTR3	A6	68Ω	%E1(10)
R169(1)	MTR3	A6	68Ω	%E1(12)
R168(1)	MTR3	A6	68Ω	%E1(13)
R170(1)	MTR3	A6	68Ω	%E1(3)
R248(1)	MTR3	B6	68Ω	%E1(4)
R172(1)	MTR3	B6	68Ω	%E1(5)
R166(1)	MTR3	B6	68Ω	%E1(6)
R292(1)	MTR4	C2	68Ω	%E11(15)
R102(1)	MTR1	C6	68Ω	%E15(4)
R9(1)	MTR1	C4	68Ω	%E25(4)
R57(1)	MTR1	C5	68Ω	%E29(4)
R56(1)	MTR1	C2	68Ω	%E34(4)
R4(1)	MTR2	A4	68Ω	%E35(14)
R67(1)	MTR2	C4	68Ω	%E35(3)
R264(1)	MTR4	B7	68Ω	%E36(1)
R268(1)	MTR4	B7	68Ω	%E36(14)
R263(1)	MTR4	B7	68Ω	%E36(15)
R269(1)	MTR4	B7	68Ω	%E36(2)
R257(1)	MTR4	D5	68Ω	%E39(14)
R133(1)	MTR4	B5	68Ω	%E39(2)
R131(1)	MTR2	C5	68Ω	%E39(4)
R100(1)	MTR3	D2	68Ω	%E4(15)
R6(1)	MTR2	A3	68Ω	%E4(3)
R101(1)	MTR3	C2	68Ω	%E4(7)
R204(1)	MTR4	B6	68Ω	%E40(3)
R7(1)	MTR2	C4	68Ω	%E42(15)
R23(1)	MTR2	C7	68Ω	%E42(3)
R52(1)	MTR3	D3	68Ω	%E42(6)
R29(1)	MTR2	A1	68Ω	%E43(3)
R24(1)	MTR2	D2	68Ω	%E46(14)
R30(1)	MTR2	D5	68Ω	%E46(3)
R25(1)	MTR2	A3	68Ω	%E47(14)
R271(1)	MTR2	C6	68Ω	%E47(6)
R27(1)	MTR2	A2	68Ω	%E5(15)
R70(1)	MTR2	A3	68Ω	%E5(2)
R32(1)	MTR2	D4	68Ω	%E52(15)
R80(1)	MTR4	B4	68Ω	%E52(2)
R78(1)	MTR4	B3	68Ω	%E52(3)
R31(1)	MTR4	A2	68Ω	%E54(3)
R20(1)	MTR2	C7	68Ω	%E55(3)

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R48(1)	MTR3	D4	68Ω	%E57(2)
R35(1)	MTR4	B3	68Ω	%E58(3)
R249(1)	MTR2	B6	68Ω	%E6(15)
R99(1)	MTR3	C3	68Ω	%E6(2)
R37(1)	MTR2	A6	68Ω	%E60(4)
R38(1)	MTR2	A7	68Ω	%E63(3)
R293(1)	MTR4	C2	68Ω	%E63(6)
R243(1)	MTR4	D2	68Ω	%E66(15)
R36(1)	MTR4	A4	68Ω	%E72(3)
R75(1)	MTR1	A3	68Ω	%E74(4)
R42(1)	MTR1	A5	68Ω	%E75(4)
R40(1)	MTR1	A6	68Ω	%E80(4)
R83(1)	MTR1	A7	68Ω	%E85(4)
R223(1)	MTR4	A5	68Ω	%E86(3)
R11(1)	MTR1	B2	68Ω	%E90(4)
R285(1)	MTR4	C1	68Ω	CH T1 H
R220(1)	MTR4	C2	68Ω	-CHC1 CBUS READY E H
R125(1)	MTR2	C2	68Ω	CLK1 MTR H
R137(1)	MTR4	B6	68Ω	-CLK3 EBOX SYNC C H
R64(1)	MTR4	B7	68Ω	CON PI CYCLE B H
R81(1)	MTR4	B3	68Ω	CON UCODE STATE 01 H
R66(1)	MTR2	C7	68Ω	CON UCODE STATE 03 H
R239(1)	MTR3	A6	68Ω	CRAM # 06 A H
R241(1)	MTR3	A6	68Ω	CRAM # 07 A H
R240(1)	MTR3	A6	68Ω	CRAM # 08 A H
R290(1)	MTR4	C2	68Ω	-CRC SEL 1D H
R287(1)	MTR4	C2	68Ω	-CRC SEL 2D H
R288(1)	MTR4	C2	68Ω	-CRC SEL 4D H
R238(1)	MTR3	A6	68Ω	-CTL1 SPEC MTR CTL H
R275(1)	MTR5	D7	68Ω	-CTL3 DIAG RD FUNC 11X H
R294(1)	MTR4	B1	68Ω	MTR T1
R295(1)	MTR4	B1	68Ω	MTR T2
R108(1)	MTR1	D5	68Ω	MTR1 CACHE COUNT 02 H
R184(1)	MTR1	D5	68Ω	MTR1 CACHE COUNT 03 H
R180(1)	MTR1	D5	68Ω	MTR1 CACHE COUNT 04 H
R103(1)	MTR1	D5	68Ω	MTR1 CACHE COUNT 05 H
R174(1)	MTR1	C5	68Ω	MTR1 CACHE COUNT 06 H
R194(1)	MTR1	C5	68Ω	MTR1 CACHE COUNT 07 H
R189(1)	MTR1	C5	68Ω	MTR1 CACHE COUNT 08 H
R118(1)	MTR1	C5	68Ω	MTR1 CACHE COUNT 09 H

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R149(1)	MTR1	B6	68Ω	MTR1 CACHE COUNT 10 H
R213(1)	MTR1	B6	68Ω	MTR1 CACHE COUNT 11 H
R148(1)	MTR1	B6	68Ω	MTR1 CACHE COUNT 12 H
R219(1)	MTR1	B6	68Ω	MTR1 CACHE COUNT 13 H
R232(1)	MTR1	A6	68Ω	MTR1 CACHE COUNT 14 H
R161(1)	MTR1	A6	68Ω	MTR1 CACHE COUNT 15 H
R89(1)	MTR1	A6	68Ω	MTR1 CACHE COUNT 16 H
R155(1)	MTR1	A6	68Ω	MTR1 CACHE COUNT 17 H
R60(1)	MTR1	C5	68Ω	-MTR1 CACHE CRY 10 IN H
R59(1)	MTR1	D6	68Ω	MTR1 EBOX COUNT 02 H
R187(1)	MTR1	D6	68Ω	MTR1 EBOX COUNT 03 H
R181(1)	MTR1	D6	68Ω	MTR1 EBOX COUNT 04 H
R104(1)	MTR1	D6	68Ω	MTR1 EBOX COUNT 05 H
R175(1)	MTR1	C6	68Ω	MTR1 EBOX COUNT 06 H
R195(1)	MTR1	C6	68Ω	MTR1 EBOX COUNT 07 H
R190(1)	MTR1	C6	68Ω	MTR1 EBOX COUNT 08 H
R117(1)	MTR1	C6	68Ω	MTR1 EBOX COUNT 09 H
R153(1)	MTR1	B7	68Ω	MTR1 EBOX COUNT 10 H
R209(1)	MTR1	B7	68Ω	MTR1 EBOX COUNT 11 H
R147(1)	MTR1	B7	68Ω	MTR1 EBOX COUNT 12 H
R215(1)	MTR1	B7	68Ω	MTR1 EBOX COUNT 13 H
R233(1)	MTR1	A7	68Ω	MTR1 EBOX COUNT 14 H
R156(1)	MTR1	A7	68Ω	MTR1 EBOX COUNT 15 H
R88(1)	MTR1	A7	68Ω	MTR1 EBOX COUNT 16 H
R154(1)	MTR1	A7	68Ω	MTR1 EBOX COUNT 17 H
R8(1)	MTR1	C6	68Ω	-MTR1 EBOX CRY 10 IN H
R177(1)	MTR1	C1	68Ω	MTR1 INTERVAL 06 H
R193(1)	MTR1	C1	68Ω	MTR1 INTERVAL 07 H
R251(1)	MTR1	C1	68Ω	MTR1 INTERVAL 08 H
R63(1)	MTR1	C1	68Ω	MTR1 INTERVAL 09 H
R152(1)	MTR1	B2	68Ω	MTR1 INTERVAL 10 H
R218(1)	MTR1	B2	68Ω	MTR1 INTERVAL 11 H
R145(1)	MTR1	B2	68Ω	MTR1 INTERVAL 12 H
R222(1)	MTR1	B2	68Ω	MTR1 INTERVAL 13 H
R229(1)	MTR1	A2	68Ω	MTR1 INTERVAL 14 H
R162(1)	MTR1	A2	68Ω	MTR1 INTERVAL 15 H
R91(1)	MTR1	A2	68Ω	MTR1 INTERVAL 16 H
R157(1)	MTR1	A2	68Ω	MTR1 INTERVAL 17 H
R68(1)	MTR1	C1	68Ω	-MTR1 INTERVAL CRY H
R47(1)	MTR1	B2	68Ω	-MTR1 INTERVAL CRY 14 IN H

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R114(1)	MTR1	D2	68Ω	MTR1 PERF COUNT 02 H
R185(1)	MTR1	D2	68Ω	MTR1 PERF COUNT 03 H
R183(1)	MTR1	D2	68Ω	MTR1 PERF COUNT 04 H
R105(1)	MTR1	D2	68Ω	MTR1 PERF COUNT 05 H
R176(1)	MTR1	C2	68Ω	MTR1 PERF COUNT 06 H
R197(1)	MTR1	C2	68Ω	MTR1 PERF COUNT 07 H
R192(1)	MTR1	C2	68Ω	MTR1 PERF COUNT 08 H
R123(1)	MTR1	C2	68Ω	MTR1 PERF COUNT 09 H
R86(1)	MTR1	B3	68Ω	MTR1 PERF COUNT 10 H
R210(1)	MTR1	B3	68Ω	MTR1 PERF COUNT 11 H
R146(1)	MTR1	B3	68Ω	MTR1 PERF COUNT 12 H
R216(1)	MTR1	B3	68Ω	MTR1 PERF COUNT 13 H
R231(1)	MTR1	A3	68Ω	MTR1 PERF COUNT 14 H
R159(1)	MTR1	A3	68Ω	MTR1 PERF COUNT 15 H
R84(1)	MTR1	A3	68Ω	MTR1 PERF COUNT 16 H
R150(1)	MTR1	A3	68Ω	MTR1 PERF COUNT 17 H
R61(1)	MTR1	C3	68Ω	-MTR1 PERF CRY 10 IN H
R116(1)	MTR1	D3	68Ω	MTR1 TIME 02 H
R186(1)	MTR1	D3	68Ω	MTR1 TIME 03 H
R182(1)	MTR1	D3	68Ω	MTR1 TIME 04 H
R106(1)	MTR1	D3	68Ω	MTR1 TIME 05 H
R179(1)	MTR1	C4	68Ω	MTR1 TIME 06 H
R196(1)	MTR1	C4	68Ω	MTR1 TIME 07 H
R191(1)	MTR1	C4	68Ω	MTR1 TIME 08 H
R124(1)	MTR1	C4	68Ω	MTR1 TIME 09 H
R87(1)	MTR1	B4	68Ω	MTR1 TIME 10 H
R211(1)	MTR1	B4	68Ω	MTR1 TIME 11 H
R143(1)	MTR1	B4	68Ω	MTR1 TIME 12 H
R217(1)	MTR1	B4	68Ω	MTR1 TIME 13 H
R230(1)	MTR1	A5	68Ω	MTR1 TIME 14 H
R160(1)	MTR1	A5	68Ω	MTR1 TIME 15 H
R85(1)	MTR1	A5	68Ω	MTR1 TIME 16 H
R151(1)	MTR1	A5	68Ω	MTR1 TIME 17 H
R10(1)	MTR1	C4	68Ω	-MTR1 TIME CRY 10 IN H
R138(1)	MTR2	A5	68Ω	MTR2 1 MHZ H
R5(1)	MTR2	A5	68Ω	-MTR2 1 MHZ H
R22(1)	MTR2	B5	68Ω	MTR2 ACCT ON H
R44(1)	MTR2	D5	68Ω	MTR2 CACHE CNT CLK H
R129(1)	MTR2	C6	68Ω	-MTR2 CACHE CNT EN H
R164(1)	MTR2	C2	68Ω	MTR2 COUNT TEN USEC 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

REVISIONS		
CHK	CHANGE NO.	REV
	M8538-00003	C
	ITS DELETED NOTE	
	J. LEONARD 12-AUG-77	

digital	DRN. P Smith	DATE 29-JAN-77	ENG. P Kempa	DATE 7 FEB 77	TITLE: METERS TERMINATORS
	CHK. [illegible]	DATE 2/2/77	BOARD LOCATION:		
M8538.RVC[4,575] 29-JAN-77 12:32			SHEET 1 OF 2	NEXT HIGHER ASSEMBLY:	SIZE D | CODE CS | NUMBER M8538-0-RES | REV. C
FIRST USED ON OPTION/MODEL: KL10			B-DD-M8538-0		

MR 1

SIZE D | CODE CS | NUMBER M8538-0-RES | REV. C

383

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R128(1)	MTR2	D3	68Ω	MTR2 EBOX CNT CLK H
R127(1)	MTR2	D5	68Ω	MTR2 EBOX CNT EN H
R130(1)	MTR2	D4	68Ω	-MTR2 EBOX CNT EN H
R126(1)	MTR2	D4	68Ω	-MTR2 EBOX HALF COUNT H
R17(1)	MTR2	B5	68Ω	MTR2 EXEC ACCT EN H
R50(1)	MTR2	B1	68Ω	MTR2 INTERVAL CLK H
R267(1)	MTR2	D2	68Ω	MTR2 MBOX CLK A H
R291(1)	MTR2	D2	68Ω	MTR2 MBOX CLK B H
R276(1)	MTR2	D2	68Ω	MTR2 MBOX CLK C H\@400\
R39(1)	MTR2	C2	68Ω	MTR2 MBOX CLK D H
R71(1)	MTR2	C2	68Ω	MTR2 MBOX CLK E H
R252(1)	MTR2	C2	68Ω	MTR2 MBOX CLK F H
R19(1)	MTR2	B5	68Ω	MTR2 PI ACCT EN H
R18(1)	MTR2	C7	68Ω	MTR2 PI IN PROG H
R21(1)	MTR2	C7	68Ω	-MTR2 PI IN PROG H
R95(1)	MTR2	C2	68Ω	-MTR2 TEN USEC H
R3(1)	MTR2	B3	68Ω	MTR2 TIME CLK H
R188(1)	MTR2	C4	68Ω	MTR2 TIME ON H
R12(1)	MTR2	C4	68Ω	-MTR2 TIME ON H
R45(1)	MTR3	A5	68Ω	-MTR3 CLR CACHE CNT H
R46(1)	MTR3	B6	68Ω	-MTR3 CLR EBOX CNT H
R97(1)	MTR3	D3	68Ω	-MTR3 CLR INTERVAL H
R82(1)	MTR3	A2	68Ω	-MTR3 CLR PERF CNT H
R41(1)	MTR3	B2	68Ω	MTR3 CLR TIME H
R43(1)	MTR3	B2	68Ω	-MTR3 CLR TIME H
R1(1)	MTR3	A6	68Ω	MTR3 COND MTR, H
R297(1)	MTR3	A5	68Ω	MTR3 COND TIM, H
R246(1)	MTR3	C2	68Ω	MTR3 INTERVAL DONE H
R51(1)	MTR3	C4	68Ω	MTR3 INTERVAL MATCH H
R206(1)	MTR3	B4	68Ω	MTR3 INTERVAL MATCH INH H
R2(1)	MTR3	B6	68Ω	MTR3 INTERVAL OFF H
R247(1)	MTR3	C6	68Ω	MTR3 INTERVAL ON H
R98(1)	MTR3	D2	68Ω	MTR3 INTERVAL OVRFLO H
R301(1)	MTR3	A5	68Ω	MTR3 LOAD PA LEFT H
R272(1)	MTR3	A5	68Ω	MTR3 LOAD PA RIGHT H
R140(1)	MTR3	C7	68Ω	MTR3 NO MATCH 06-09 H
R205(1)	MTR3	C6	68Ω	MTR3 NO MATCH 10-13 H
R139(1)	MTR3	C4	68Ω	MTR3 NO MATCH 14-17 H
R170(1)	MTR3	D7	68Ω	MTR3 PERIOD 06 H
R119(1)	MTR3	D7	68Ω	MTR3 PERIOD 07 H

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R113(1)	MTR3	D7	68Ω	MTR3 PERIOD 08 H
R120(1)	MTR3	D7	68Ω	MTR3 PERIOD 09 H
R237(1)	MTR3	D7	68Ω	MTR3 PERIOD 10 H
R235(1)	MTR3	D7	68Ω	MTR3 PERIOD 11 H
R144(1)	MTR3	D6	68Ω	MTR3 PERIOD 12 H
R221(1)	MTR3	D6	68Ω	MTR3 PERIOD 13 H
R96(1)	MTR3	D6	68Ω	MTR3 PERIOD 14 H
R90(1)	MTR3	D6	68Ω	MTR3 PERIOD 15 H
R92(1)	MTR3	D6	68Ω	MTR3 PERIOD 16 H
R94(1)	MTR3	D6	68Ω	MTR3 PERIOD 17 H
R49(1)	MTR3	A4	68Ω	MTR3 RESET A H
R26(1)	MTR3	A4	68Ω	-MTR3 RESET A H
R74(1)	MTR3	D4	68Ω	MTR3 RESET INTERVAL H
R55(1)	MTR3	B2	68Ω	MTR3 RESET PERF H
R242(1)	MTR3	A6	68Ω	MTR3 RESET PLSD H
R34(1)	MTR3	A6	68Ω	-MTR3 RESET PLSD H
R54(1)	MTR3	B2	68Ω	MTR3 RESET TIME H
R303(1)	MTR4	A7	68Ω	-MTR4 CACHE EWB PA EN H
R302(1)	MTR4	A7	68Ω	-MTR4 CACHE FILL PA EN H
R224(1)	MTR4	A7	68Ω	MTR4 CACHE PA DONT CARE H
R305(1)	MTR4	A7	68Ω	-MTR4 CACHE REF PA EN H
R304(1)	MTR4	A7	68Ω	-MTR4 CACHE SWB PA EN H
R279(1)	MTR4	D2	68Ω	MTR4 CHAN 0 PA EN H
R278(1)	MTR4	D2	68Ω	MTR4 CHAN 1 PA EN H
R277(1)	MTR4	D2	68Ω	MTR4 CHAN 2 PA EN H
R286(1)	MTR4	D2	68Ω	MTR4 CHAN 3 PA EN H
R212(1)	MTR4	D2	68Ω	MTR4 CHAN 4 PA EN H
R283(1)	MTR4	D2	68Ω	MTR4 CHAN 5 PA EN H
R289(1)	MTR4	D2	68Ω	MTR4 CHAN 6 PA EN H
R284(1)	MTR4	C2	68Ω	MTR4 CHAN 7 PA EN H
R142(1)	MTR4	D1	68Ω	MTR4 CHAN BUSY 4 H
R141(1)	MTR4	D1	68Ω	MTR4 CHAN BUSY 8 H
R225(1)	MTR4	C4	68Ω	MTR4 CHAN PA DONT CARE H
R226(1)	MTR4	D5	68Ω	MTR4 CURRENT PI PA EN H
R73(1)	MTR4	A6	68Ω	MTR4 EBOX WAITING H
R306(1)	MTR4	A6	68Ω	-MTR4 EBOX WAITING H
R76(1)	MTR4	C7	68Ω	MTR4 MODE PA DONT CARE H
R265(1)	MTR4	C7	68Ω	MTR4 NO PI PA EN H
R227(1)	MTR4	C7	68Ω	MTR4 PA EVENT MODE H
R53(1)	MTR4	A2	68Ω	MTR4 PERF CNT CLK H

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R220(1)	MTR4	A1	68Ω	-MTR4 PERF CNT CLK H
R15(1)	MTR4	D5	68Ω	MTR4 PI LEVEL 1 H
R16(1)	MTR4	D5	68Ω	MTR4 PI LEVEL 2 H
R14(1)	MTR4	D5	68Ω	MTR4 PI LEVEL 4 H
R266(1)	MTR4	D7	68Ω	MTR4 PI0 PA EN H
R258(1)	MTR4	D5	68Ω	MTR4 PI1 PA EN H
R260(1)	MTR4	D5	68Ω	MTR4 PI2 PA EN H
R259(1)	MTR4	D5	68Ω	MTR4 PI3 PA EN H
R256(1)	MTR4	D5	68Ω	MTR4 PI4 PA EN H
R253(1)	MTR4	D5	68Ω	MTR4 PI5 PA EN H
R254(1)	MTR4	D5	68Ω	MTR4 PI6 PA EN H
R255(1)	MTR4	D5	68Ω	MTR4 PI7 PA EN H
R132(1)	MTR4	C4	68Ω	MTR4 PROBE LOW PA EN H
R77(1)	MTR4	C4	68Ω	MTR4 PROBE PA DONT CARE H
R296(1)	MTR4	B1	68Ω	MTR4 T3\@400\
R79(1)	MTR4	C4	68Ω	MTR4 UCODE PA DONT CARE H
R135(1)	MTR4	C7	68Ω	MTR4 USER PA EN H
R112(1)	MTR5	D6	68Ω	MTR5 DS 04 H
R214(1)	MTR5	D6	68Ω	-MTR5 DS 04 H
R111(1)	MTR5	D6	68Ω	MTR5 DS 05 H
R121(1)	MTR5	D6	68Ω	-MTR5 DS 05 H
R115(1)	MTR5	D6	68Ω	MTR5 DS 06 H
R122(1)	MTR5	D6	68Ω	-MTR5 DS 06 H
R136(1)	MTR5	C7	68Ω	MTR5 EBUS 18 H
R208(1)	MTR5	C7	68Ω	MTR5 EBUS 19 H
R281(1)	MTR5	C5	68Ω	MTR5 EBUS 20 H
R282(1)	MTR5	C3	68Ω	MTR5 EBUS 21 H
R273(1)	MTR5	C2	68Ω	MTR5 EBUS 22 H
R274(1)	MTR5	C1	68Ω	MTR5 EBUS 23 H
R13(1)	MTR5	B7	68Ω	MTR5 EBUS 24 H
R65(1)	MTR5	B6	68Ω	MTR5 EBUS 25 H
R171(1)	MTR5	B5	68Ω	MTR5 EBUS 26 H
R208(1)	MTR5	B3	68Ω	MTR5 EBUS 27 H
R207(1)	MTR5	B2	68Ω	MTR5 EBUS 28 H
R203(1)	MTR5	B1	68Ω	MTR5 EBUS 29 H
R173(1)	MTR5	A7	68Ω	MTR5 EBUS 30 H
R236(1)	MTR5	A6	68Ω	MTR5 EBUS 31 H
R300(1)	MTR5	A5	68Ω	MTR5 EBUS 32 H
R298(1)	MTR5	A3	68Ω	MTR5 EBUS 33 H
R299(1)	MTR5	A2	68Ω	MTR5 EBUS 34 H

RESISTOR LOC(PIN)	SHOWN DRW#	ON REF	VALUE	TERMINATES SIGNAL
R234(1)	MTR5	A1	68Ω	MTR5 EBUS 35 H
R110(1)	MTR5	D3	68Ω	MTR5 HOLD INTERRUPT SEL H
R245(1)	MTR5	D3	68Ω	MTR5 INCR SEL 1 H
R250(1)	MTR5	D3	68Ω	MTR5 INCR SEL 2 H
R20(1)	MTR5	D5	68Ω	MTR5 READ INTERVAL H
R72(1)	MTR5	D6	68Ω	MTR5 READ MTR A H
R58(1)	MTR5	D6	68Ω	-MTR5 READ MTR A H
R62(1)	MTR5	C6	68Ω	-MTR5 READ MTR B H
R33(1)	MTR5	D5	68Ω	MTR5 READ PERF CNT H
R69(1)	MTR5	D5	68Ω	MTR5 READ TIME H
R244(1)	MTR5	D2	68Ω	MTR5 RESET H
R165(1)	MTR5	D2	68Ω	-MTR5 RESET H
R109(1)	MTR5	D3	68Ω	MTR5 VECTOR REQ H
R262(1)	MTR4	B7	68Ω	PI2 HOLD 1 H
R200(1)	MTR4	B7	68Ω	PI2 HOLD 2 H
R201(1)	MTR4	B7	68Ω	PI2 HOLD 4 H
R261(1)	MTR4	B7	68Ω	PI2 PI1 A H
R199(1)	MTR4	B7	68Ω	PI2 PI2 A H
R198(1)	MTR4	B7	68Ω	PI2 PI4 A H
R107(1)	MTR5	D3	68Ω	PI3 MTR HONOR H
R150(1)	MTR5	A2	68Ω	PI3 MTR PIA 01 H
R93(1)	MTR5	A3	68Ω	PI3 MTR PIA 02 H
R163(1)	MTR5	A4	68Ω	PI3 MTR PIA 04 H
R270(1)	MTR4	B5	68Ω	PROBE H\@400\
R134(1)	MTR4	B4	68Ω	-SCD USER A H
R202(1)	MTR4	B6	68Ω	-VMA1 AC REF 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

REVISIONS		
CHK	CHANGE NO.	REV

M85382.RVC(4,575) 25-JAN-77 12:32

DRN. C Smith DATE 25-JAN-77
CHK'D. J. Alphine DATE 26-JAN-77
ENG P. Kenyon DATE 7 FEB 77
BOARD LOCATION:
SHEET 2 OF 2
NEXT HIGHER ASSEMBLY: B-DD-M8538-0
FIRST USED ON OPTION/MODEL: KL10

TITLE: METERS TERMINATORS

SIZE	CODE	NUMBER	REV.
D	CS	M8538-0-RES	C

MR 1

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