FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

B-TC-RH750-0-1 MASSBUS ADAPTER
B-DD-RH750-0-0 MASSBUS ADAPTER
E-UA-RH750-0-0 MASSBUS ADAPTER UNIT ASSY
K-PL-RH750-0-0 MASSBUS ADAPTER PARTS LIST
D-BD-RH750-0-2 MASSBUS ADAPTER BLOCK DIAGRAM
D-FL-RH750-0-3 MASSBUS ADAPTER FLOW DIAGRAM
B-DD-L0007-0 MBA
E-UA-L0007-0-0 MBA UNIT ASSY
K-PL-L0007-0-DBP MBA PARTS LIST
E-EC-5013863-0-0 MBA ETCH CUT DRAWING
D-CS-L0007-0-1 THRU 21 MBA CIRCUIT SCHEMATICS
E-AD-7018509-0-0 RH750-0-0 RH750 CABLE ASSY
K-PS-23909A9-0-0 PROM LISTING

UNIT VARIATIONS COVERED BY THIS PRINT SET
RH750-A

Field Maintenance Print Set

MP01045

Digital Equipment Corporation

RH750

SIZE B | CODE TC | NUMBER RH750-0-1 | REV. A

REVISIONS	REV.	CHG. NO.	DATE

USED ON OPTION/MODEL
R11

SHEET 1 OF 1

DRN.		DATE 2-20-81
CHK'D		DATE 2-20-81
PROJ. ENG.	L. Levin	DATE 2-20-81
FIELD SERV.		DATE 2-20-81

digital

TITLE: RH750 PRINT SET

SIZE	CODE	NUMBER	REV.
B	TC	RH750-0-1	A

DIST.

DRB 124

TW

DRAWING DIRECTORY

UNIT VARIATIONS

VAR	TITLE
RH750-A	MASSBUS ADAPTER

REVISIONS

REV.	CHANGE NO.	CHK

USED ON OPTION/MODEL: RH750

SHEET 1 OF 3

DRN.	R J RILEY	DATE	1-28-81
CHK'D.	R J RILEY	DATE	1-28-81
PROJ. ENG.		DATE	
PROD.	K O'Brien	DATE	2-20-81

TITLE: DRAWING DIRECTORY RH750

digital

SIZE	CODE	NUMBER	REV
B	DD	RH750-0-0	A

DIST.

DRB 106A

TM

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	B-TC-RH750-0-1	MP# 01045	
	E-UA-RH750-0-0		
	K-PL-RH750-0-DBP	PARTS LIST UNIT ASSY	
	D-BD-RH750-0-2	BLOCK DIAGRAM	
	D-FL-RH750-0-3	FLOW DIAGRAMS	
	K-BD-RH750-0-DBS	BLOCK DIAGRAM SUDS DATA BASE	
	K-FL-RH750-0-DBS	FLOW DIAGRAM SUDS DATA BASE	
2	E-AD-7018509-0-0	CABLE ASSY	
	A-PS-3616073-0-0	DECAL	
3	D-UA-BC16A-0-0	FLAT CABLE	
4	E-UA-BC06Z-0-0	CABLE MASS BUS	
	A-PS-3616073-0-0	LABEL CABLE IDENT	
	A-PS-3617951-0-0	LABEL	
5	D-AD-7009938-0-0	TERMINATOR ASSY	
	A-DC-7412208-0-0	DECAL	
6	D-AD-7009861-0-0	RECPT HOUSING ASSY RPOA	
7	C-IA-7008288-0-0	CABLE ASSY	
8	D-IA-7009490-0-0	POWER SEQUENCE JUMPER ASSY	
9	C-IA-7412847-0-0	GROUND STRAP	
10	E-UA-10007-0-0	MASS ADAPTER	
11	A-SP-3700630-0-0	PACKAGING INSTRUCTIONS	

TYPE E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

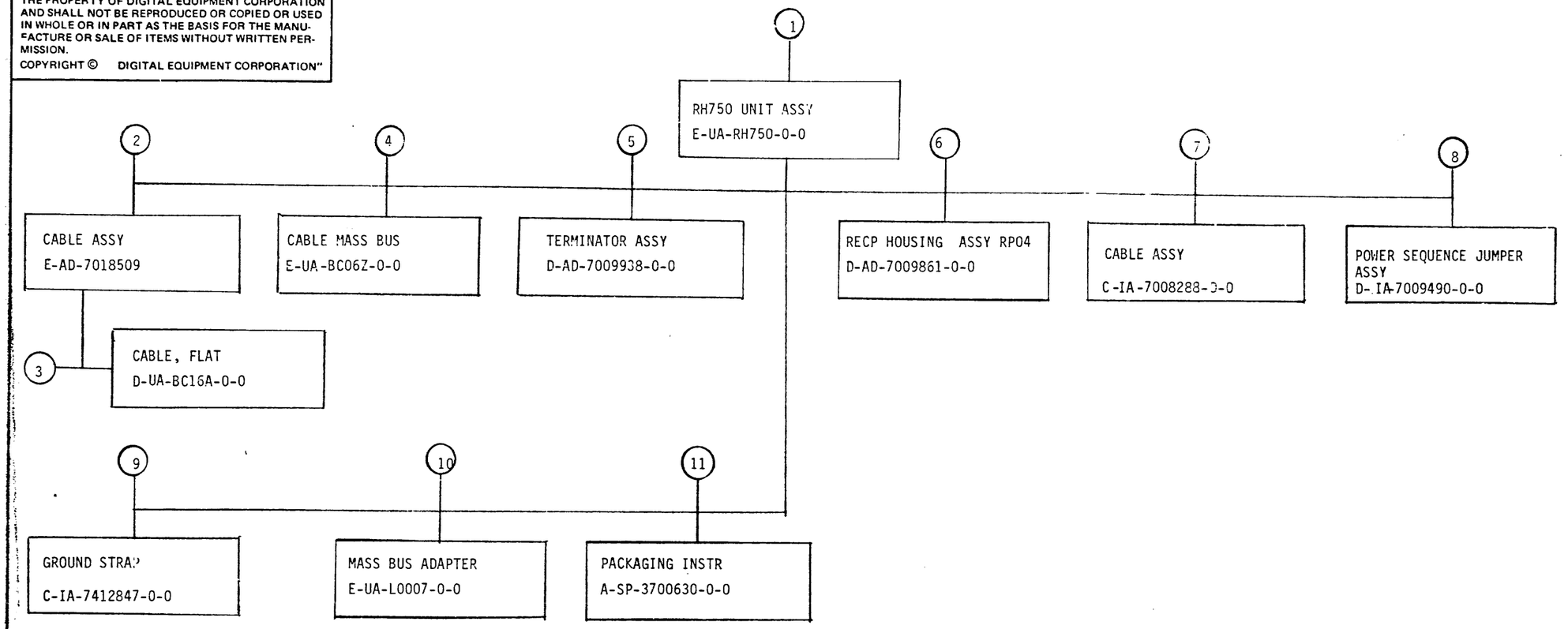
DRB 108A

digital

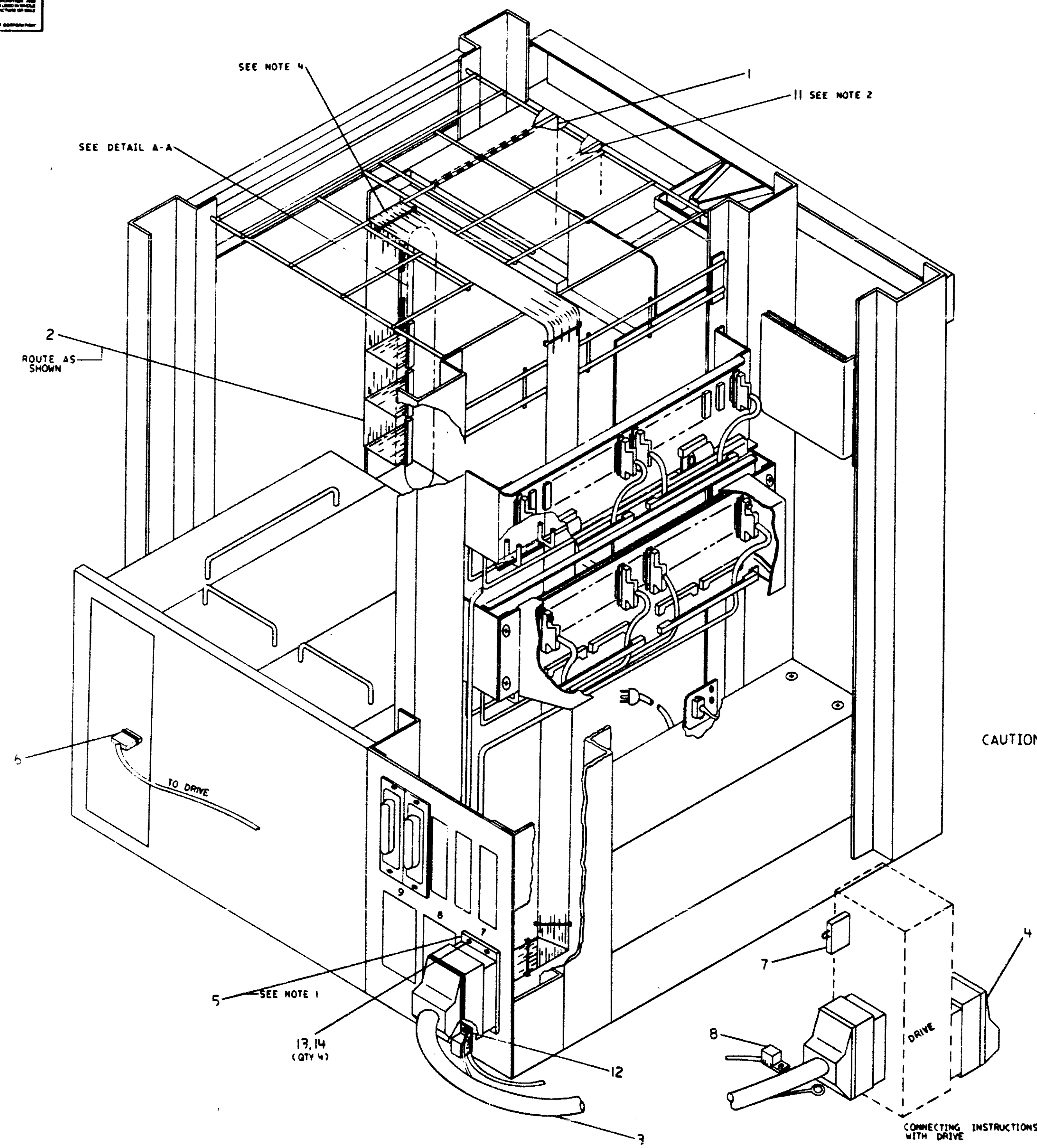
TITLE DRAWING DIRECTORY RH750

SHEET 2 OF 3 | SIZE B | CODE DD | NUMBER RH750-0-0 | REV A

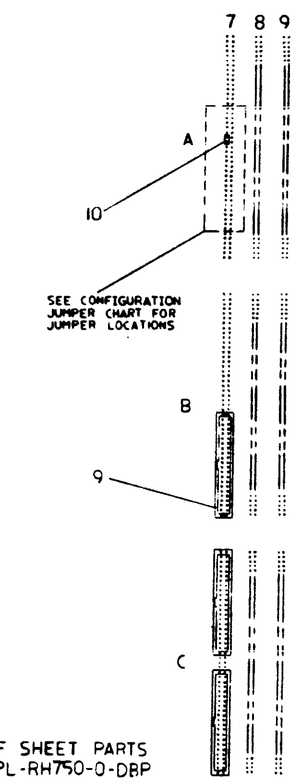
TM



TITLE		SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY RH750	SHEET 3 OF 3	B	DD	RH750-0-0	A



NOTES:
1. PRIOR TO INSTALLING ITEM 5, REMOVE COVER PLATE AND HARDWARE, AND DISCARD.
2. THE MASSBUSS DEVICE BOOT ROM ITEM 11 (908A9) SHOULD BE INSTALLED IN SOCKET E84 ON MEMORY CONTROLLER (L0011).
3. UNIBUS BG JUMPERS A67-A68, A69-A70, A73-A74, AND A77-A78 SHOULD BE REMOVED WHEN L0007 IS INSTALLED.
4. IN MULTIPLE RH750 CONFIGURATIONS, CABLES FOR SLOT 7 SHOULD BE ON TOP AND SLOT 9 ON BOTTOM.



DETAIL A-A

CAUTION: SEE OFF SHEET PARTS LIST K-PL-RH750-0-DBP

RH750 CONFIGURATION JUMPERS		
RH SELECT	BASE ADDRESS	JUMPERS
A	F28000	A51 - A53 A52 - A54
B	F2A000	A51 - A53
C	F2C000	A52 - A54
ARBITRATION LEVEL		JUMPERS
3		A62 - A64
2		A60 - A62 A63 - A64
1		A60 - A62 A64 - A66 A61 - A63
SILO FILL RATE		JUMPER
NORMAL		A43 - A45

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL SEE PARTS LIST

E. CATE 1-22-81

TITLE RH750 ASSEMBLY

digital

E UA RH750-0-0 A

E-DD-RH750-0-0

AUTOMATED BY PRTLST.3P(44)

P A R T S L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION 00
1	1	E-UA-L0007-0-0	L0007-00	MASS BUS ADAPTOR	1
2	2	E-AD-7018509-0-0	7018509-00	CABLE ASSY, RH750	1
3	3	E-UA-BC06Z-0-0	BC06Z-25	CABLE,MASSBUS,45 DEG/90 DEG ENTR	1
4	4	D-AD-7009938-0-0	7009938-00	TERMINATOR ASSEMBLY (80-RJP04)	1
5	5	D-AD-7009861-0-0	7009861-00	RECEPT HOUSING ASSY-RP04	1
6	6	C-IA-7008288-0-0	7008288-30	CABLE ASSY,	1
7	7	D-IA-7009490-0-0	7009490-00	POWER SEQUENCE JUMPER ASSEMBLY	1
8	8	C-IA-7412847-0-0	7412827-25	GND STRAP	1
9	9		1216821-00	HOUSING,BACKPLANE CONN, .1 X .1	3
10	10		1214314-00	CONN 2POS JUMPER	5
11	11		23908A9-00	A9-01	1
12	12		9009988-00	SCREW, SEMS, SLOTTED HEX HD 1/4-	1
13	13		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	4
14	14		9006688-00	WASHER, LOCK, S.S. #4	4

REVISION HISTORY			BASIC PART NO: RH750									
ENG	ECO NUMBER	REV	SECTION A OF A	DRN: R,J, RILEY	DATE: 23-JAN-81		D	I	G	I	T	A	L
	INITIAL	A	SECTION, VARIATION INDEX [A] 00	CHK'D: R,J, RILEY	DATE: 23-JAN-81	TITLE	PARTS LIST						
			[B]	DES,ENG,: R, CIESLUK	DATE: 23-JAN-81	RH750 UNIT ASSEMBLY							
			[C]	RESP,ENG,: T, KRAUS	DATE:	DOCUMENT NUMBER							
			[D]			SIZE	CODE	NUMBER				REV	
			[E]	MFG,ENG,: K, O'BRIEN	DATE:	K	PL	RH750-0-DBP				A	
			[F]	ASSEMBLY NUMBER: E-UA-RH750-0-0	TOP DOCUMENT NUMBER: B-DD-11750-0-0			FILE NAME: Z1858,PLS				EDIT # 5	

NOTE: TO PLOT USE PBOX COMMAND

SILO CONTROL CHIP
MSC

REGISTER CONTROL CHIP
MRC

MBA-CMI INTERFACE CHIP
MCI

CMI DATA

DATA BUS DATA

CONTROL BUS DATA

MASS BUS

CMD ADDR REG

BUFFER

DATA BUFFER

DRIV

REC

MB BYTE CNTR

CMI BYTE CNTR

CNTRL BUS BUF.

PAR GEN

CPA

IBUS

S I

L O

16x9 RAM

16x9 RAM

RAM ADDRESS

SC CTR

SM CTR

STATUS REG (PART)

MAINT REG (PART)

VAR (1:0) (BYTE CNTRL)

BYTE MASK

SILO/ DATA BUS PARITY

PAR

MDPA

BUFFER

CMI (31:28)

STATUS REG (PART)

MAINT REG (PART)

EXT REG CONTROL

CMD DECODE

TIME OUTS

INTERNAL REGISTER CONTROL

LATCHED FUN

LATCHED ADDR

DEM

TRA

CTOO

STATUS REG (PART)

CONTROL REG

MAINT REG (PART)

POWER & INIT

INTER. ARBIT & CONTROL

UNIBUS DC LO

MB INIT

MB FAIL

BR

BG

WAIT

CMI ARBIT. BUS

HOLD

DBB2

STATUS

CMI ARBITRATION & CONTROL

CMI (27:25)

MB BYTE CNTR =-1 OR -2

CMI BYTE CNTR =-1

VECTOR

LATCHED ADDRESS

ADDRESS LATCH & COMPARE

ADDRESS JUMPERS

LATCHED FUN

ADDRESS OK

HARD WIRED ADD BITS

SHARED PARITY GENERATION

MSI PARITY GEN

PAR

MAP POINT BUF

EXT. REG. ADDR. LATCH

DR. SEL REG. SEL.

VAR READ BUF

VAR (1E:9) (MAP POINTER)

ROTATOR

MAP

256x9 RAM

256x8 RAM

VALID

PARITY

PAR GEN

VAR (8:2)

STATUS REG (PART)

MAINT REG (PART)

CONTROL PATH PARITY

DATA BUS CONTROL

MAP: PARITY VALIDITY

CPA

RUN

EBL

MAINT. REG ME CNTRL SIG. LATCH

DRIVERS

MAINT. REG. MB CNTRL SIG. R/O BUFFFR

REC.

MASSBUS-CONTROL BUS & DATA BUS CONTROL SIGNALS

DRIVERS

REC.

INT MB CONTROL SIGNALS

DATA BUS CONTROL CHIP MDC

REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. | DATE 17-FEB-81 | ENG. | DATE

CHK 'D Boyle' | DATE 17-FEB-81 | ECADD LOCATION: SHEET 1 OF 2

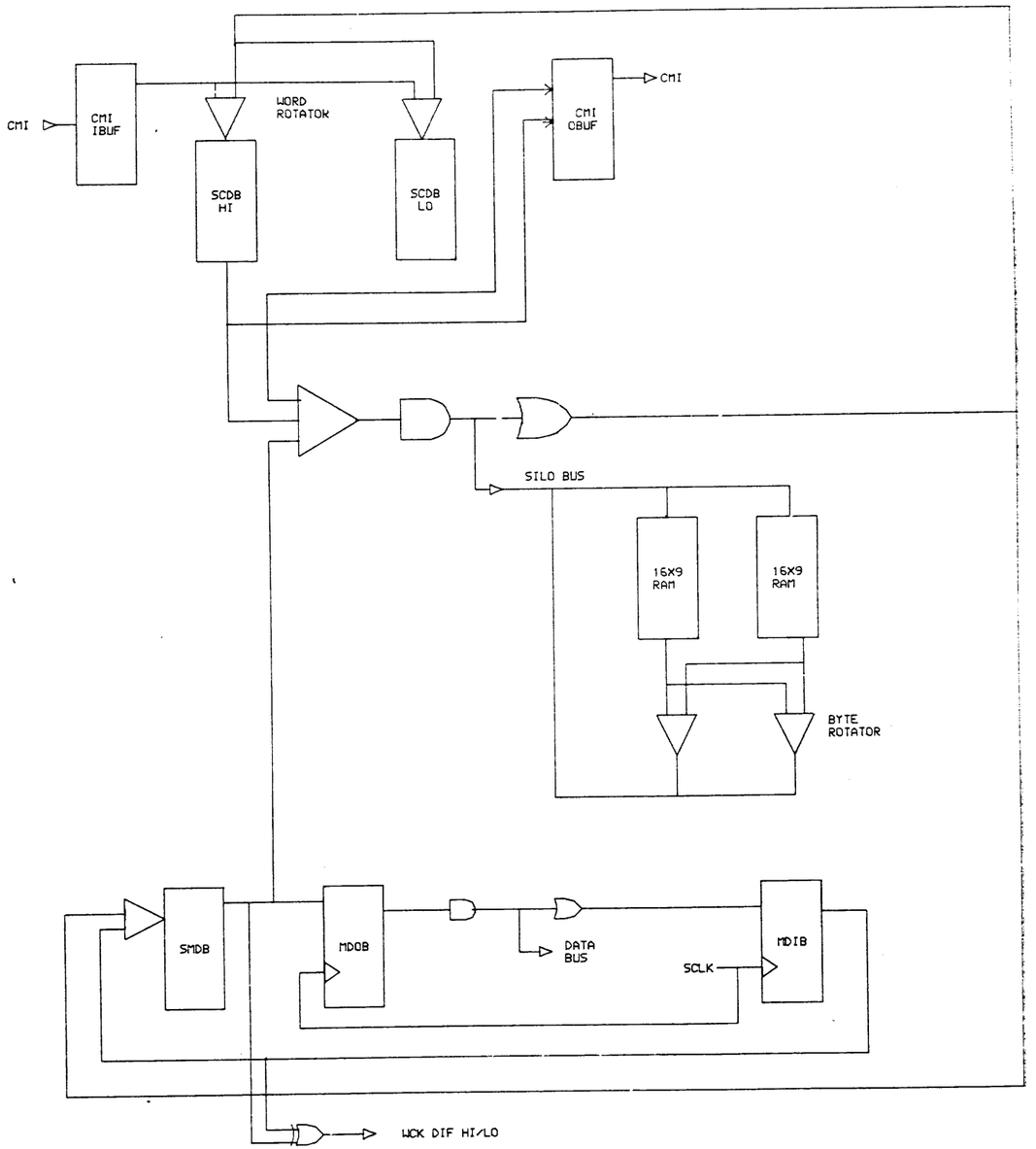
[160,1271]MBABD1.DRW | 13-FEB-81 17:33 | NEXT HIGHER ASSEMBLY: B-DD-RH750-0

FIRST USED ON OPTION/MODEL: RH750

TITLE: RH750 BLOCK DIAGRAM

SIZE	CODE	NUMBER	REV.
D	BD	RH750-0-2	A

TW



REVISIONS		
CHK	CHANGE NO.	REV

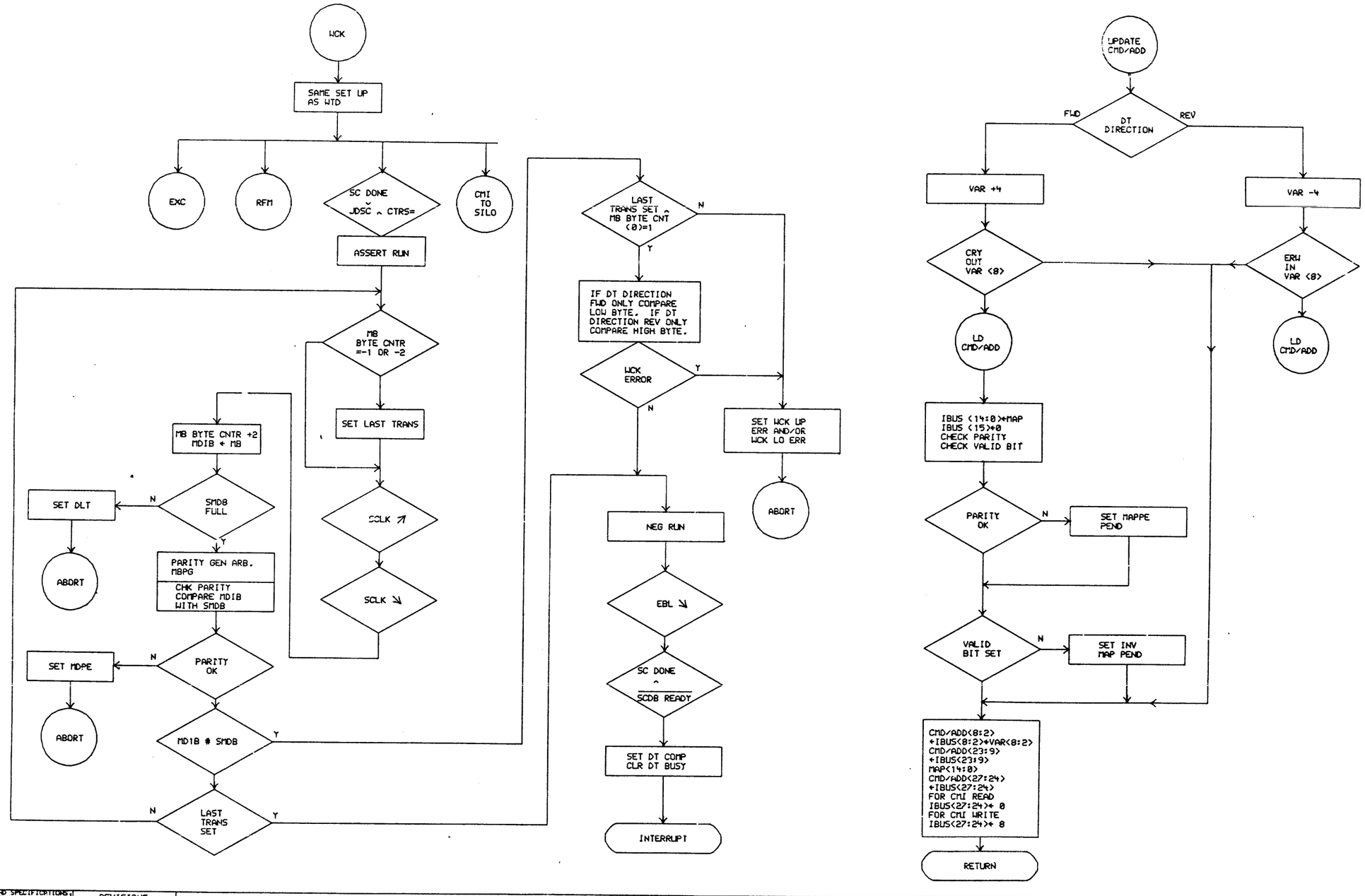
digital

DRN.
CHK'D JFLoyd
DATE 11-FEB-81
ENG.
DATE
BOARD LOCATION:
SHEET 2 OF 2
[160,1271]MBABD2.DRW 11-FEB-81 17:27
NEXT HIGHER ASSEMBLY: B-DD-RH750-0
FIRST USED ON OPTION/MODEL: RH750

TITLE: RH750 DATA BUFFER

SIZE	CODE	NUMBER	REV.
D	BD	RH750-0-2	A

TW



REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. | DATE 13-FEB-81 | ENG. | DATE

CHK'D JPoyle | DATE 13-FEB-81 | RECORD LOCATION: SHEET 1 OF 6

[160,137]MBAFL1.DRW | 13-FEB-8; 08:17 | NEXT ASSEMBLY:

FIRST USED ON OPTION/MODEL: RH750 | B-DC-RH750-0

TITLE: RH750 FLOWS WRITE CHECK

SIZE	CODE	NUMBER	REV.
D	FD	RH750-0-3	A

TW

WTD

CLR:STATUS REG BITS
CMD/ADDR READY
BYTE MASK
SC DONE
LAST TRANS
SMDB FULL
SMCTR
SCCTR
2 BYTE ENB
JDSC
SET:SCDB EMPTY
JDSM

MEMORY FLOW

EXC

RFM

LD CMD/ADD

MAP ERROR PEND
Y
MAP PE←MAP PE PEND
INV MAP←INV MAP PEND
ABORT
N

ASSERT CMI ARB

CMI FREE ∧ HIGHEST PRIOR

CMI←CMD/ADDR
ASSERT DBBZ

DEASSERT DBBZ
DISABLE CMD/ADDR

DBBZ ASSERTED AT END OF CYC

STATUS
N/R
SET NEM
ERR
SET ERR STAT
ABORT
N

CORRECTED DATA

SET CRD

SCDB←CMI IBUF
CLR SCDB READY

UPDATE CMD/ADD

SCDB READY
Y

SC DONE
N
Y
END MEM FLOW

MASSBUS FLOW

SC DONE ∨ JDSC ∧ CTRS=
Y

ASSERT RUN

MB BYTE CNTR = -1 OR -2
N
Y

SET LAST TRANS

MDOB←SMDB
CLR SMDB FULL
DPA←SMAR

SCLK ↗
Y

ASSERT WCLK

SCLK ↘
Y

DEASSERT WCLK
MB BYTE CNTR +2

LAST TRANS SET
N
Y

MDDB ← 0
DPA ← 1
NEG RUN

EBL ↘
Y

SET DT COMP
CLR DT BUSY
DISABLE DATA BUS DRIVERS

INTERRUPT

SMDB FULL
Y
N

SET DLT

ABORT

SILO FLOW

CMI TO SILO

CMI BYTE CNTR NOT = -1 ∧ SM SEL■

CMI BYTE CNTR = -1 ∧ SM SEL ■

CLR SEL■

SC & SET SEL■

SC & CLR SEL■

PARITY GEN ARB SPG

SMDB←SILO(SMCTR)

SMCTR +2
SET JDSM

CHECK EVEN PAR
SET SMDB FULL

PARITY ERROR
Y

SET SPE

SMPAR ← $\overline{PAR}$

ABORT

PARITY GEN ARB SPG

SMDB (7:0) ←
SILO (7:0) (SMCTR)
SMDB (15:8) ←0
SMCTR +2
SET JDSM
CHECK ODD PAR
SET SMDB FULL

PARITY ERROR
Y

SMPAR ← PAR

PARITY GEN ARB SPG

SILO (SCCTR) ←
SCDB (BYTE CNTRL)
GEN ODD PARITY
SILO PAR(SCCTR)+PAR
SCCTR +1
CLR 2 BYTE ENB
SET JDSC

PARITY GEN ARB SPG

SILO (SCCTR) ←
SCDB(BYTE CNTRL)
GEN ODD PAR
SILO PAR(SCCTR)+PAR
SCCTR +1
SET 2 BYTE ENB
SET JDSC

CLR 2 BYTE ENB

FWD
DT DIRECTION
REV

BYTE CNTRL +1

BYTE CNTRL -1

CRY OUT BYTE CNTRL (1)
N
Y

BRW IN BYTE CNTRL (1)
N
Y

SET SCDB READY

CMI BYTE CNTR +1

CRY OUT CMI BYTE CNTR
N
Y

SET SC DONE
SET SCDB READY

END SILO FLOW

■SM SEL = $\overline{SMDB\ FULL}$ ∧ 2BYTE ENB ∧ [(JDSM ∧ (CTRS = V $\overline{CTRS = -1}$)) V JDSC]

SC & CLR SEL = JDSM ∧ $\overline{SCDB\ READY}$ ∧ CTRS =

SC & SET SEL = $\overline{SCDB\ READY}$ ∧ $\overline{CTRS}$ =

(SMDB FULL V ($\overline{2BYTE\ ENB}$ ∧ JDSC) (CTRS = -1∧ JDSM ∧ $\overline{SMDB\ FULL}$)

CLR SEL = JDSM ∧ SCDB READY ∧ (CTRS = V CTRS = -1)

REVISIONS		
CHK	CHANGE NO.	REV

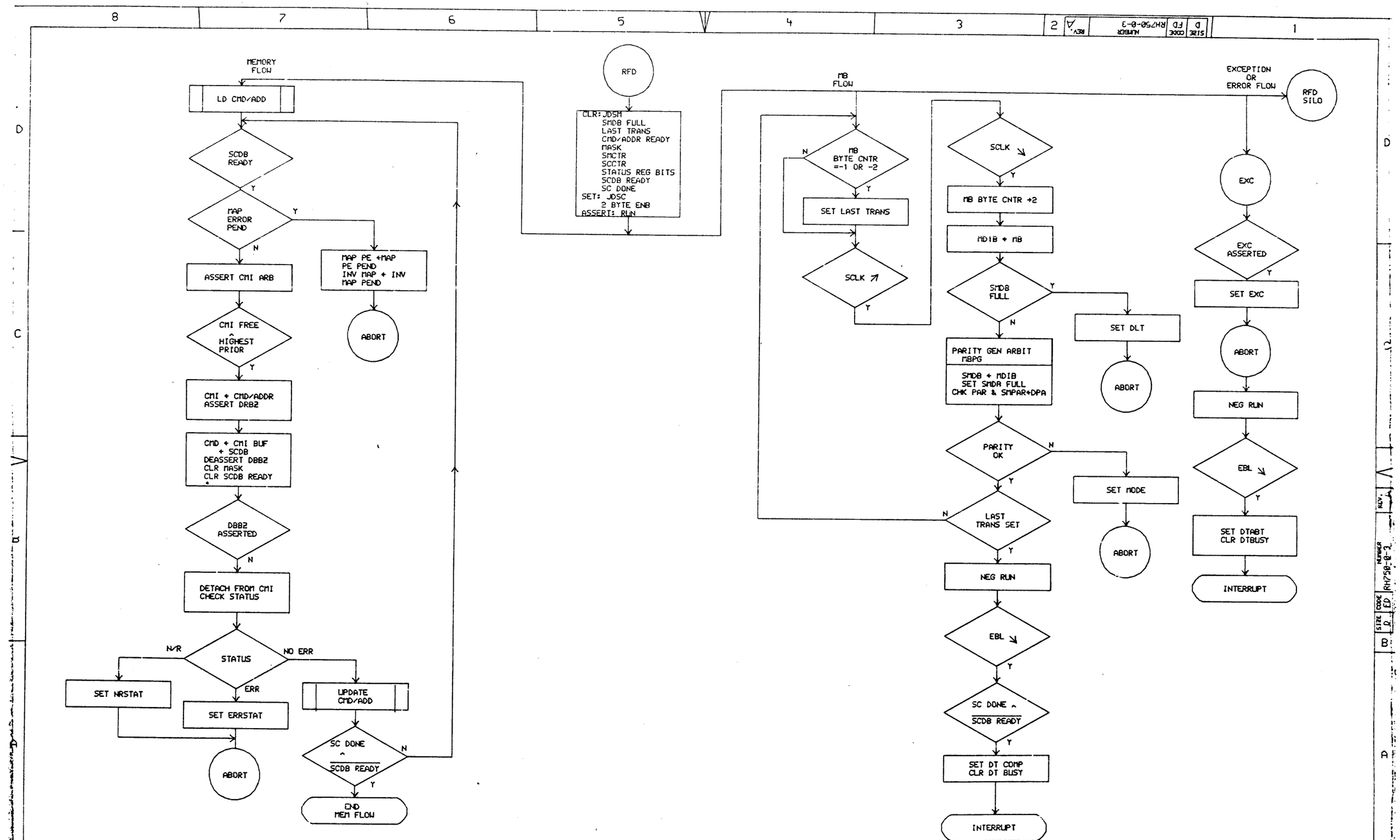
digital

DRN. | DATE 13-FEB-81 | ENG. | DATE
CHK'D JPLoyle | DATE 13-FEB-81 | SCALD LOCATION: SHEET 2 OF 6
(160,127)MBAFL2.DRW | 13-FEB-81 08:32 | NEXT HIGHER ASSEMBLY: B-DD-RH750-0
FIRST USED ON OPTION/MODEL: RH750

TITLE: RH750 FLOWS WRITE TO DRIVE

SIZE	CODE	NUMBER	REV
D	FD	RH750-0-3	A

TW



REVISIONS		
CHK	CHANGE NO.	REV

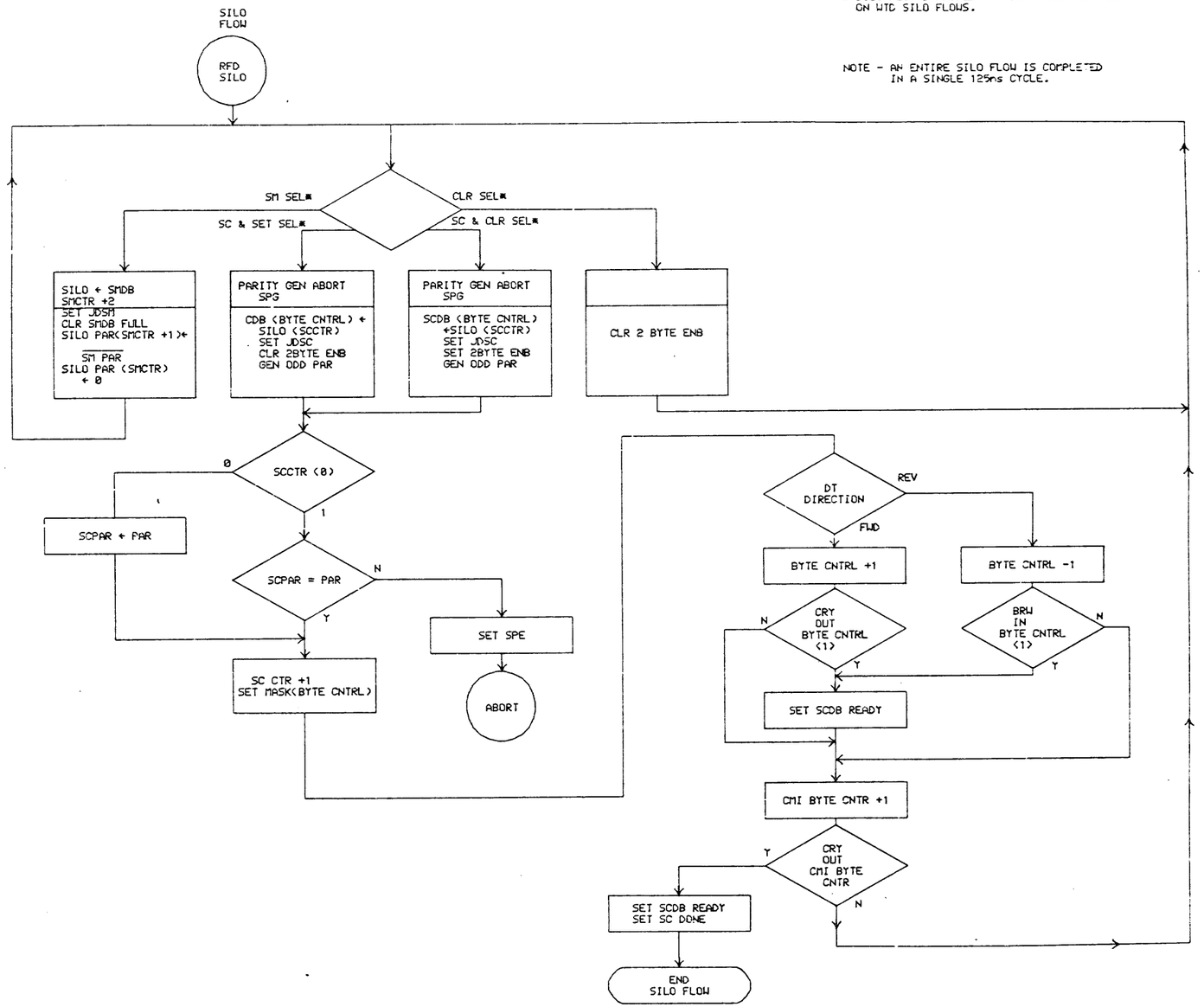
digital	DRN.	DATE 16-FEB-81	ENG. DATE
	CHK'D	DATE 16-FEB-81	BOARD LOCATION:
			SHEET 3 OF 6
[160,1271]MBAFL3.DRW	13-FEB-81 17:27	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: RH750		B-DD-RH750-0	

TITLE: RH750 FLOWS READ FROM DRIVE 1/2

SIZE	CODE	NUMBER	REV.
D	FD	RH750-0-3	A

* SILO FLOW BRANCHES ARE IDENTICAL TO THOSE USTEP ON WTC SILO FLOWS.

NOTE - AN ENTIRE SILO FLOW IS COMPLETED IN A SINGLE 125ns CYCLE.



REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. | DATE 16-FEB-81 | ENG. | DATE

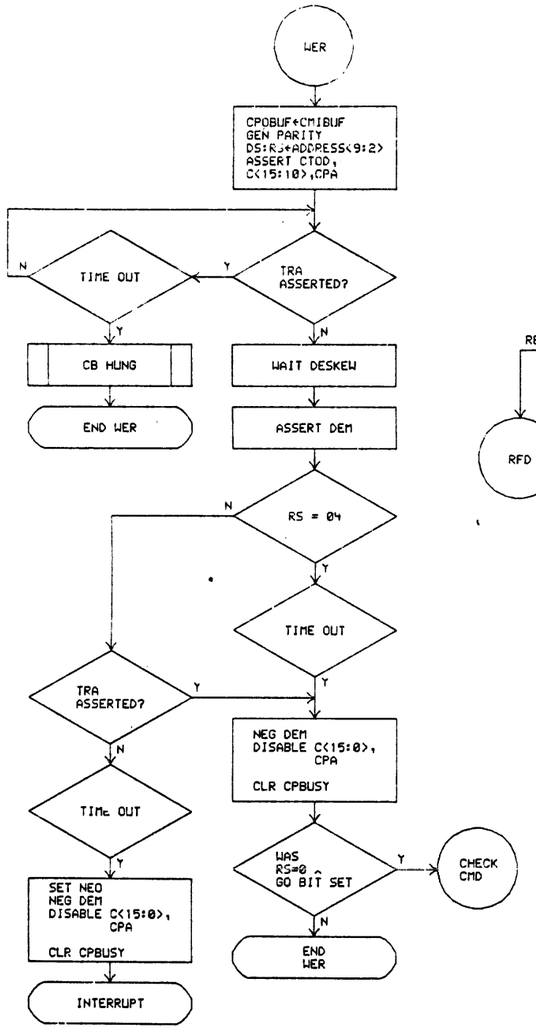
CHK'D | DATE 16-FEB-81 | SCORD LOCATION: SHEET 4 OF 6

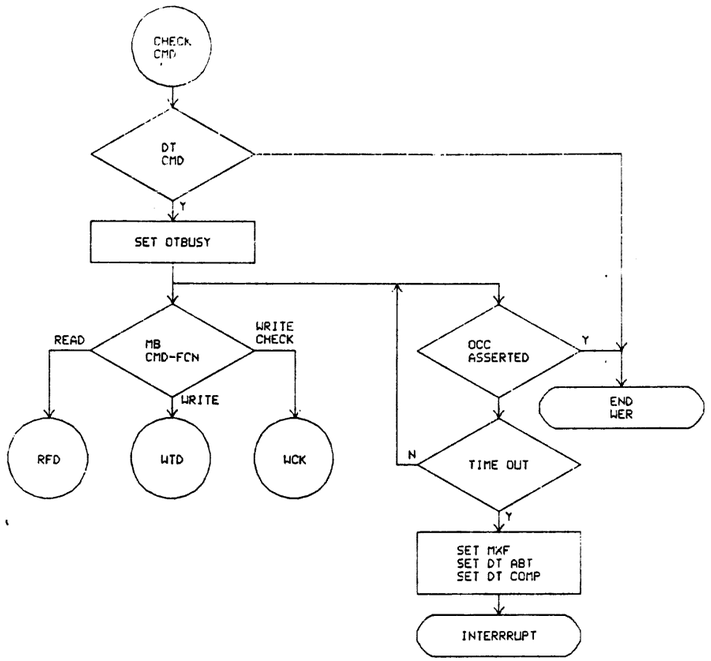
[160,1271]MBAFL4.DRW 13-FEB-81 17:28 | NEXT HIGHER ASSEMBLY: B-CC-RH750-0

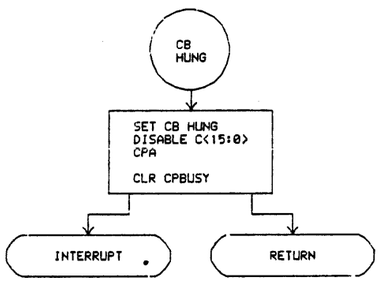
FIRST USED ON OPTION/MODEL: RH750

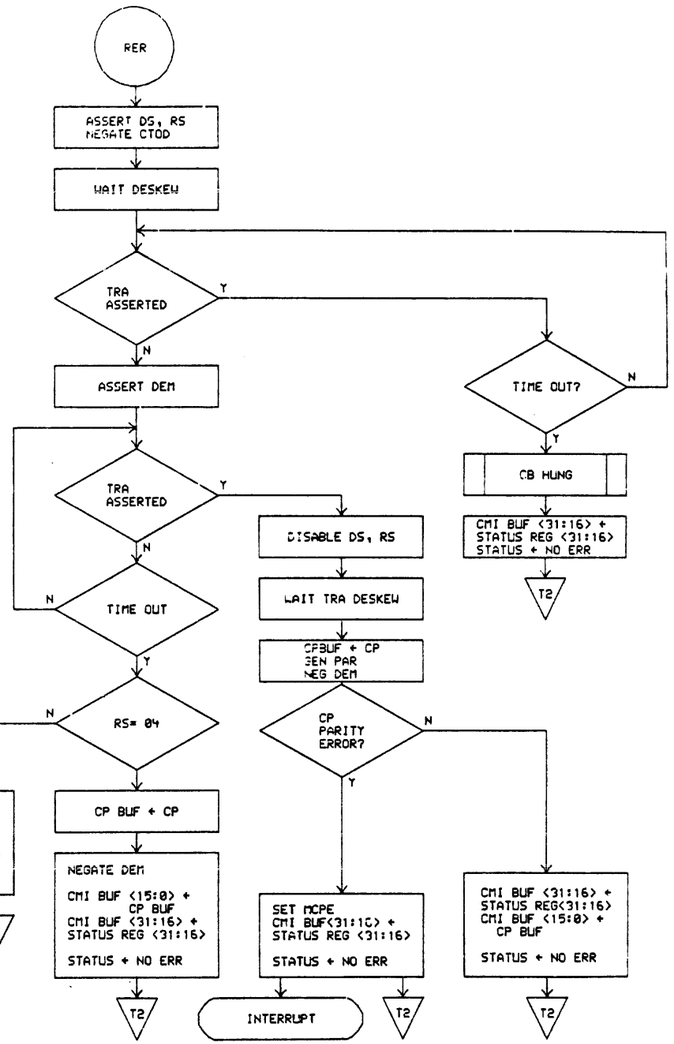
TITLE: RH750 FLOWS READ FROM DRIVE 2/2

SIZE	CODE	NUMBER	REV.
D	FD	RH750-0-3	A









REVISIONS		
CHK	CHANGE NO.	REV

digital

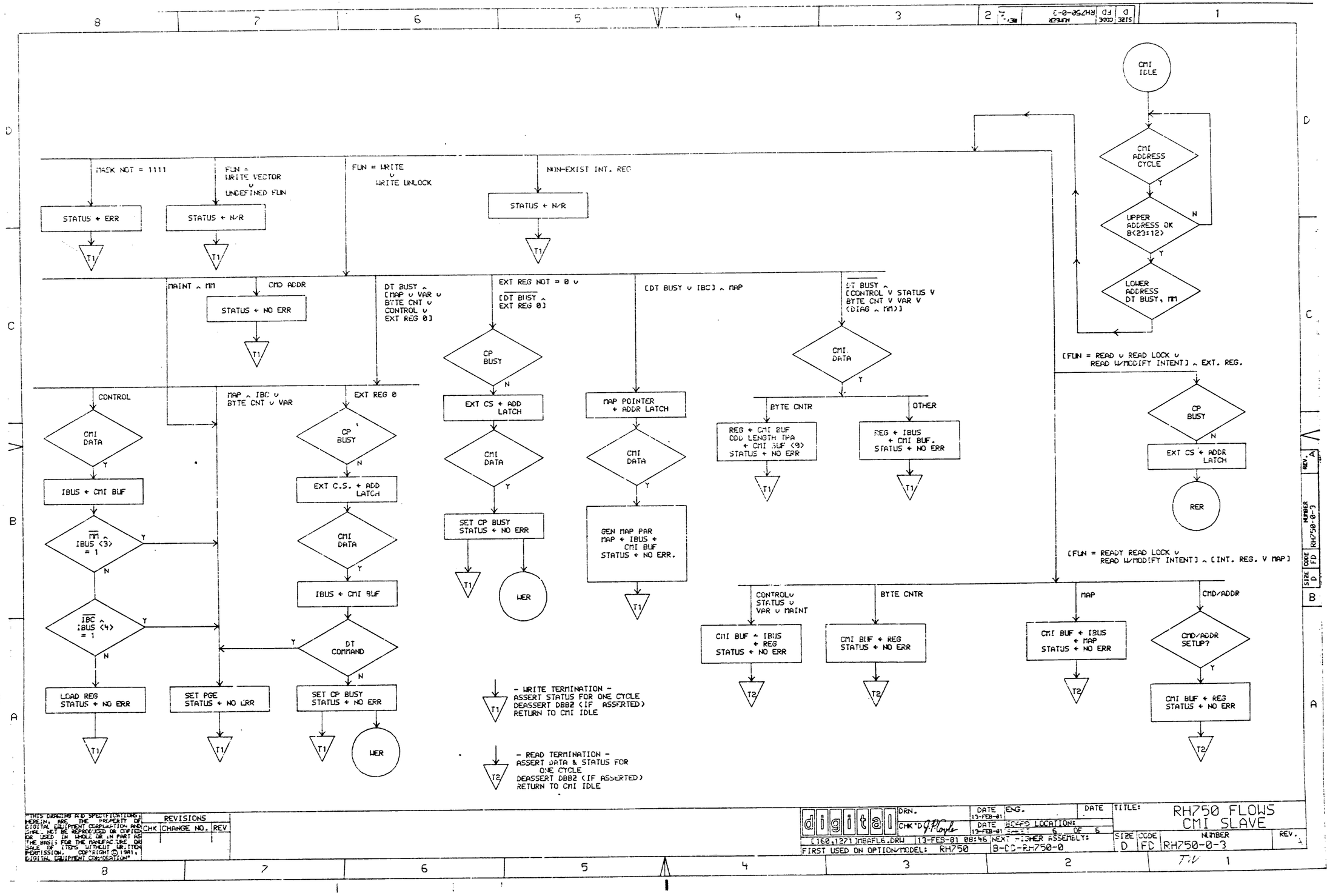
DRN. | DATE 17-FEB-81 | ENG. | DATE
CHK'D J.P.Coyle | DATE 17-FEB-81 | SCALD LOCATION: SHEET 5 OF 6

(160,1271)MBAF45.DRW 13-FEB-81 17:31 | NEXT HIGHER ASSEMBLY: B-DC-RH750-0

FIRST USED ON OPTION/MODEL: RH750

TITLE: RH750 FLOWS EXTERNAL REGS

SIZE	CODE	NUMBER	REV.
D	FD	RH750-0-3	A



REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. | DATE 13-FEB-81 | ENG. | DATE

CHK'D JFloyd | DATE 13-FEB-81 | ASSEMBLY LOCATION: SHEET 6 OF 6

[160,1271]MBAFL6.DRW 13-FEB-81 08:46 NEXT HIGHER ASSEMBLY:

FIRST USED ON OPTION/MODEL: RH750 B-CC-RH750-0

TITLE: RH750 FLOWS CMI SLAVE

SIZE	CODE	NUMBER	REV.
D	FD	RH750-0-3	A

SIZE	CODE	NUMBER	REV.
B	DD	L0007-0	D

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS
			MODULE REVISION	A B B B
B-DD-L0007-0	1		MBA DRAWING DIRECTORY	A B C D
E-UA-L0007-0-0	2		MBA UNIT ASSEMBLY	A B B C
K-PL-L0007-0-DBP	3		MBA PARTS LIST	A B B C
E-MD-5013863-0-0	5		MBA DRILL & ETCH DRAWING	A B B B
		5013863	ETCHED BOARD	C D D D
K-PC-L0007-0-DBI	-		MBA DESIGN DATA BASE IDEA	C D D D
E-EC-5013863-0-0	3		MBA ETCHED CUT DRAWING	A B B B
K-CS-L0007-0-DBS	-		MBA DESIGN DATA BASE SUDS	A B B C
D-CS-L0007-0-1	1	*	MAP REG (11:Ø)	A B A A
D-CS-L0007-0-2	1	*	MAP (31:12) & PAR	A A A A
D-CS-L0007-0-3	1	*	VAR & CLK CONTROL	A A A A
D-CS-L0007-0-4	1	*	INTER CONT & MISC	A A A A
D-CS-L0007-0-5	1	*	DATA SILO	A A A A
D-CS-L0007-0-6	1	*	MASSBUS TRANSCEIVERS	A A A A
D-CS-L0007-0-7	1	*	MASSBUS TRANSCEIVERS	A A A A
D-CS-L0007-0-8	1	*	MASSBUS TRANSCEIVERS	A A A A
D-CS-L0007-0-9	1	*	MASSBUS TRANSCEIVERS	A A A A
D-CS-L0007-0-10	1	*	MASSBUS TRANSCEIVERS	A A A A
D-CS-L0007-0-11	1	*	MAINT REG & MISC	A B B C
D-CS-L0007-0-12	1	*	CONTROL CHIPS	A A A A
D-CS-L0007-0-13	1	*	VECTOR & SILO CONTROL	A A A A
D-CS-L0007-0-14	1	*	DATA PATH - UPPER	A A A A
D-CS-L0007-0-15	1	*	DATA PATH - LOWER	A A A A
D-CS-L0007-0-16	1	*	CB, PAR, MASK, MB7 BITS	A A A A
D-CS-L0007-0-17	1	*	PWR - GND, DECOUPLING	A A A A

NOTES:

*CONTROL SOURCE IS THE SUDS DATA BASE

NO CONTROLLED PAPER ORIGINALS EXIST

REVISIONS	REV.	CHG NO.	DATE
	B	TW001	9/81
	C	TW002	4/82
	D	TW003	9-82

digital

USED ON OPTION/MODEL	
RH750	

DRN.	J. CASEY	1-13-81
CHK'D	J. CASEY	1-13-81
ENG.	T. KRAUS	1-13-81
PROD.	W. PARKER	1-22-81

TITLE: MBA

SIZE	CODE	NUMBER	REV.
B	DD	L0007-0	D

SHEET OF 3

DRR 126

SIZE	CODE	NUMBER	REV.
B	DD	L0007-0	D

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS
D-CS-L0007-0-18	1	*	FORWARD REFERENCE	A A A A
D-CS-L0007-0-19	1	*	FORWARD REFERENCE	A A A A
D-CS-L0007-0-20	1	*	FORWARD REFERENCE	A B B C
D-CS-L0007-0-21	1	*	FORWARD REFERENCE	A A A A

NOTES:

*CONTROL SOURCE IS THE SUDS DATA BASE

NO CONTROLLED PAPER ORIGINALS EXIST

REVISIONS	REV.	CHG NO.	DATE

digital

USED ON OPTION/MODEL	
RH750	

DRN.	J. CASEY	1-13-81
CHK'D	J. CASEY	1-13-81
ENG.	T. KRAUS	1-13-81
PROD.	W. PARKER	1-22-81

TITLE: MBA

SIZE	CODE	NUMBER	REV
B	DD	L0007-0	D

SHEET 2 OF 3

DRR 126

SIZE	CODE	NUMBER	REV.
B	DD	L0007-0	D

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS	
			MODULE REVISION	A1	A1
E-UA-L0007-0-0	2		MBA UNIT ASSEMBLY	A1	A1
B-PL-L0007-0-0	3		MBA PARTS LIST	A1	A1
E-EC-5013863-0-0	3		MBA ETCH CUT DRAWINGS	A1	A1
		5013863	ETCHED BOARD	C	D

NOTES:

REVISIONS: REV. / CHG NO. / DATE

digital

USED ON OPTION/MODEL	
RH750	

DRN.	J. CASEY	4-20-82
CHK'D	J. CASEY	4-20-82
ENG.	T. KRAUS	4-20-82
PROD.	W. PARKER	4-20-82

TITLE: MBA

SIZE	CODE	NUMBER	REV.
B	DD	L0007-0	D

SHEET 3 OF 3

DRB 126

digital

MBA

SIZE CODE NUMBER REV
E UA L0007/0 -0

SHT 1 OF 2

NOTES:

WIRE ADDS:
1-1 E93-6 TO E93-8
1-2 E93-8 TO E93-14

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	M.B.A.
DOCUMENT NUMBER	EUA L00007-0-0 C
SCALE 2/1	SHEET 2 OF 2

EUA L00007-0-0 C

AUTOMATED BY PRTLST,3P(44)

P A R T S L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	E-MD-5013863-0-0	5013863-00	MBA	1	
2	2		1012784-00	.047 MFD 50V +80-20% CER	46	C1-C37,C40-C43,C45-C49
3	3		1011895-00	.15 MFD 35V 10% S.TANT	1	C38
4	4		1013466-06	100.0 MMF 50V 5% CER	1	C39
5	5		1100114-00	D 664 QS\75PCB PIV= 25V SP	1	D1
6	6		1209838-00	SOCKET 16PIN	1	XE16
7	7		1300229-00	100.0 .25 W 5.0 % CC	5	R1,R3-R5,R161
8	8		1300271-00	220.0 .25 W 5.0 % CC	2	R8,R154
9	9		1300316-00	470.0 .25 W 5.0 % CC	5	R120,R121,R143,R151,R158
10	10		1300365-00	1.0 K .25 W 5.0 % CC	10	R2,R6,R13,R19,R127,R128,R131,
						CONT R148,R153,R155
11	11		1300488-00	12.0 K .25 W 5.0 % CC	1	R159
12	12		1300496-00	15.0 K .25 W 5.0 % CC	1	R160
13	13		1301477-00	82.0 .25 W 5.0 % CC	55	R23-R26,R28-R39,R41-R47,R58,R60,
						CONT R90-R109,R112-R114,R117,R125,
						CONT R126,R129,R134,R135,R144
14	14		1301781-00	82.0 .50 W 5.0 % CC	55	R27,R40,R48-R57,R59,R61-R88,
						CONT R110,R111,R115,R116,R119,R122,
						CONT R124,R130,R132,R133,R136,R141,
						CONT R142,R145
15	15		1301972-00	270.0 .25 W 5.0 % CC	26	R7,R9-R12,R14-R18,R20-R22,R89,
						CONT R118,R123,R137-R140,R146,R147,
						CONT R149,R152,R156,R157
16	16		1302379-00	75.0 .25 W 5.0 % CC	3	R150,R162,R166
17	17		1305125-00	383.0 .25 W 1.0 % RN55D-F10	1	R164
18	18		1503014-00	DEC 3646 NPN 200MW SI 15 5 30	2	Q1,Q2
19	19		1503121-00	2N 2369 NPN 350MW SI N	1	Q3
20	20		1610033-00	DELAY= 10-100NS,10TAPS	2	E15,E81
21	21		1909705-00	DEC 8881 NAND GATE-QUAD 2IN O	2	E18,E28
22	22		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	1	E93

REVISION HISTORY			BASIC PART NO: L0007										
ENG	ECO NUMBER	REV	SECTION A OF A	DRN: D,SIREEN	DATE: 01-AUG-80		D	I	G	I	T	A	L
---	INITIAL	A	SECTION,VARIATION INDEX	CHK'D: E,T,GERRY	DATE: 01-AUG-80	TITLE	PARTS LIST						
			[A] 00			MBA							
			[B]	DES,ENG: T,KRAUS	DATE: 01-AUG-80								
			[C]			DOCUMENT NUMBER							
			[D]										
			[E]	RESP,ENG,: T,KRAUS	DATE: 01-AUG-80								
			[F]			SIZE	CODE	NUMBER				REV	
			[H]										
			[J]										
			[K]	MFG,ENG,: V,PARKER	DATE: 01-AUG-80	K	PL	L0007-0-DBP				A	
			[L]										
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:			FILE NAME:				EDIT #	
			[N]	E-UA-L0007-0-0				Z1280A,PLS				9	

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER		DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
23	23		1910532-00		74S00 NAND GATE-QUAD 2IN	3	E33,E44,E61
24	24		1910533-00		74S03 NAND GATE-QUAD 2IN,O	1	E54
25	25		1910534-00		74S04 INVERTER GATE-HEX 1I	2	E41,E76
26	26		1910535-00		74S05 INVERTER GATE-HEX 1	2	E39,E47
27	27		1910536-00		74S10 NAND GATE-TRIPLE 3IN	1	E27
28	28		1910537-00		74S11 AND GATE-TRIPLE 3INP	2	E42,E52
29	29		1910544-00		74S74 FF-D DUAL,EDGE TRIGG	7	E32,E43,E63,E77-E80
30	30		1910545-00		74S112 FF-JK DUAL,EDGE TRIG	1	E31
31	31		1910546-00		74S140 NAND GATE-DUAL 4INPU	1	E106
32	32		1910547-00		74S153 MUX 1 OF 4 (DUAL)	1	E10
33	33		1910550-00		74S174 FF-D HEX	1	E92
34	34		1910957-00		74S175 FF-D QUAD COMMON CLO	1	E40
35	35		1911341-00		75113 DRIVER,LINE,DUAL,MA	26	E55,E56,E58,E59,E64,E65,E71-E74,
						CONT	E86-E89,E95-E97,E99-E101,E103,
						CONT	E112-E114,E123,E127
36	36		1911469-00	DEC	8640 RECEIVER,BUS,QUAD,U	1	E105
37	37		1911573-00		74S280 PARITY GEN/CHKR,9BIT	5	E23,E67,E75,E109,E129
38	38		1911675-00		74S138 DECODER/DEMUX 3-8 LIN	2	E82,E94
39	39		1912096-00	DEC	74S86 XOR GATE,QUAD 2IN	1	E21
40	40		1912125-00		74S135 XOR/NOR GATE-QUAD 2I	1	E117
41	41		1912388-00		74S02 NOR GATE-QUAD 2IN,PO	1	E35
42	42		1912389-00		74S08 AND GATE-QUAD 2IN,PO	1	E49
43	43		1912649-00		LS75 LATCH 4BIT,BISTABLE	1	E13
44	44		1912661-00		74S189 MEMORY READ/WRITE	6	E4-E7,E9,E20
45	45		1912746-00	DEC	74S37 NAND GATE-QUAD 2IN	1	E60
46	46		1912833-00		LS109 FF-JK DUAL,POS EDGE	1	E36
47	47		1912851-00		LS169 COUNTER,SYNCH, UP/DO	3	E25,E110,E111
48	48		1913340-00		74S32 OR GATE-QUAD 2IN	2	E11,E90
49	49		1913462-00		74S240 OCTAL BUFFER,INVERTI	3	E19,E116,E128
50	50		1913671-00		74S374 FF-D OCTAL TRISTATE	1	E115
51	51		1913887-00		74S258 MUX 1 OF 2(QUAD)TRI	6	E2,E3,E8,E24,E107,E118
52	52		1914086-00		74S30 NAND GATE-POS 8IN	1	E17
53	53		1914214-00		LS374 FF-D OCTAL EDGE TRIG	1	E108
54	54		1914719-00	DC	645 BIPOLAR,LS,400-GATE	8	E29,E30,E37,E38,E45,E46,E50,E51
55	55		1914720-00	DC	646 BIPOLAR,LS,400-GATE	1	E26
56	56		1914721-00	DC	647 BIPOLAR,LS,400-GATE	1	E48
57	57		1914722-00	DC	648 BIPOLAR,LS,400-GATE	1	E62
58	58		1914723-00	DC	649 BIPOLAR,LS,400-GATE	1	E53
59	59		1914972-00		3450 RECEIVER,LINE,QUAD,	14	E57,E66,E68-E70,E83-E85,E98,
						CONT	E102,E104,E124-E126
60	60		1915193-00		LS244 DRIVER,LINE,OCTAL,T	8	E22,E34,E91,E119-E122,E135
61	61		1915697-00		RAM 256X4 TRI-STATE	4	E131-E134
62	62		1916310-00		RAM,256X1,TRI STATE	1	E130
63	63		23909A9-00		A9-01	1	E12
64	64		1311422-00		178,0 .25 W 1,0 % RN55D-F10	2	R163,R165
65	65		1216988-02		HANDLE,MODULE,HEX TWO EJECTORS	1	
66	66		9000024-01		EYELET, ROLLED FLANGE, .121 OD X	12	
67	67		1017472-00		10 MFD 35V +50-10% AL EL	6	C50-C55

D	I	G	I	T	A	L	TITLE	SECTION A OF A
							MBA	

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	L0007-0-DBP	A

TW

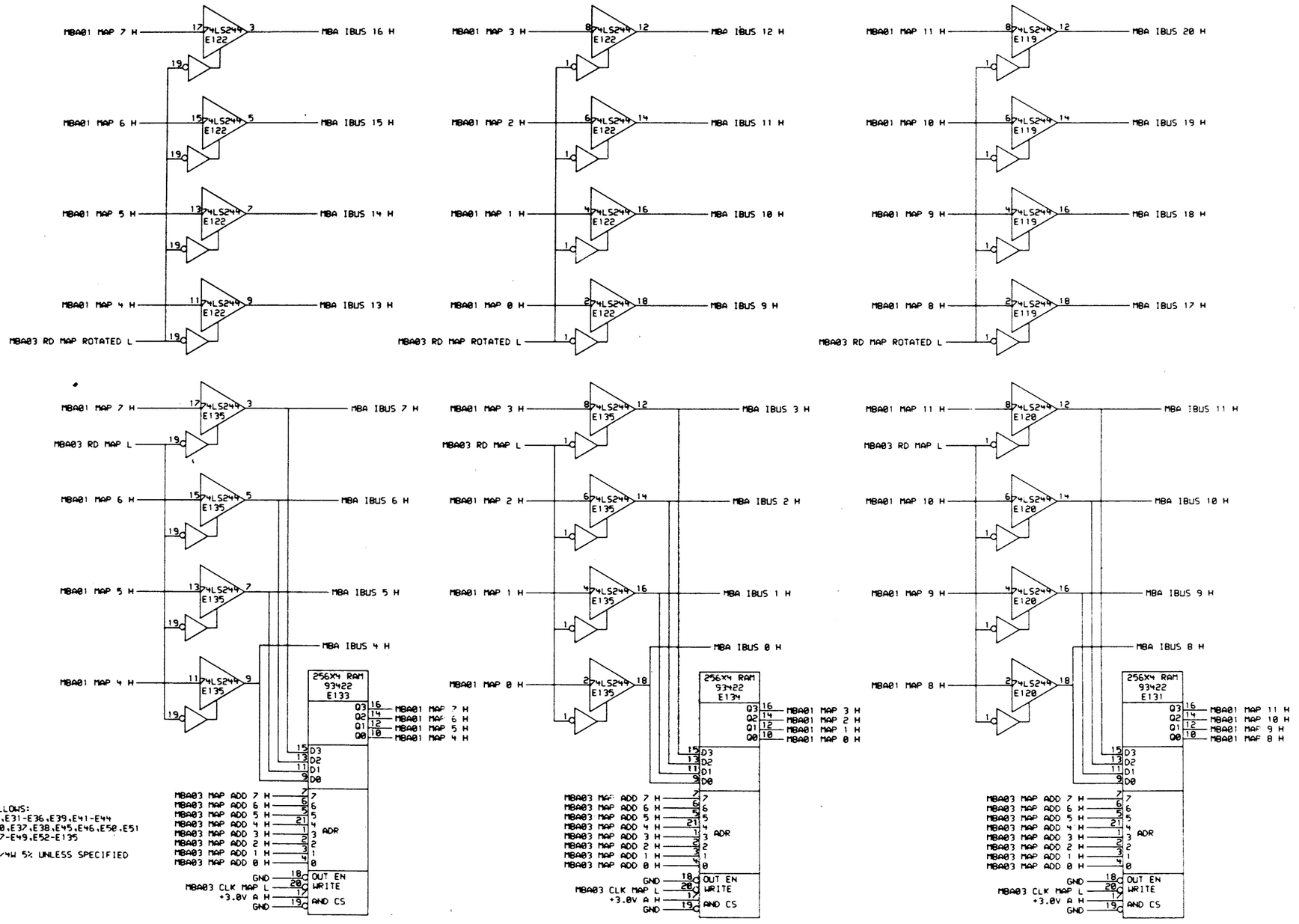
AUTOMATED BY PRTLST,3P(44)

P A R T S L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
68	68		5408778-00	PLUG PRIORITY	1	E16
69	69		1215924-00	SOCKET IC W/METAL CONT	12	XE26,XE29,XE30,XE37,XE38,XE45,
					CONT	XE46,XE48,XE50,XE51,XE53,XE62
70	70		1215935-00	GASKET, THERMAL .50"X.80"	12	
71	71		1215936-00	HEAT SINK, FORCED CONVECTION	12	

DIGITAL	TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
	MBA	K	PL	L0007-0-DBP	A
	SECTION A OF A				

TW



NOTES:

1. VCC SPLIT AS FOLLOWS:
   +5.0V A: E1-E28,E31-E36,E39,E41-E44
   +5.0V B: E29,E30,E37,E38,E45,E46,E50,E51
   +5.0V C: E40,E47-E49,E52-E135

2. ALL RESISTORS 1/4W 5% UNLESS SPECIFIED

REVISIONS		
CHK	CHANGE NO.	REV

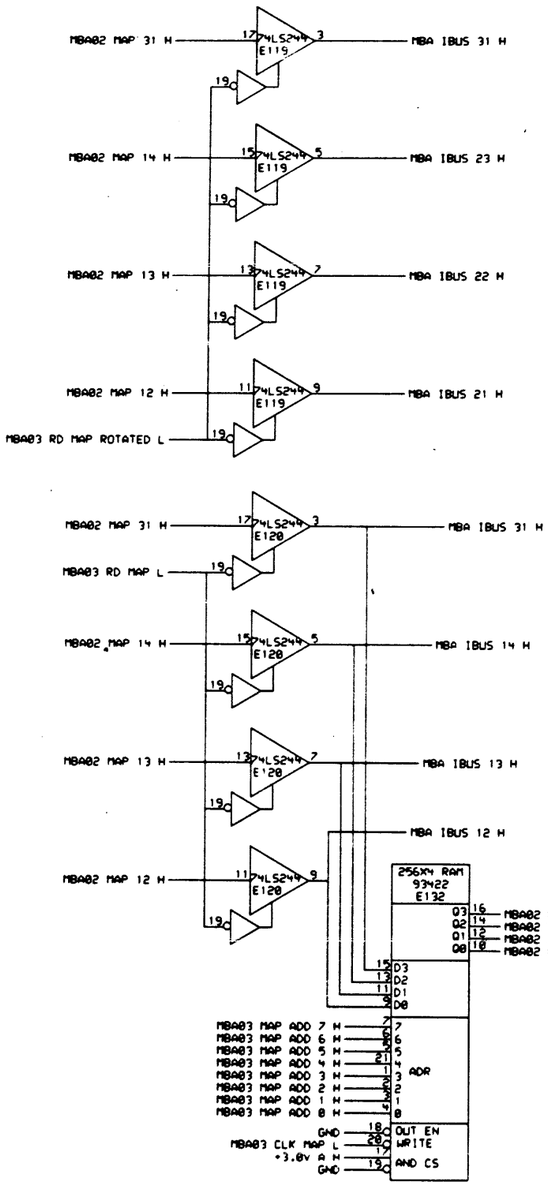
digital

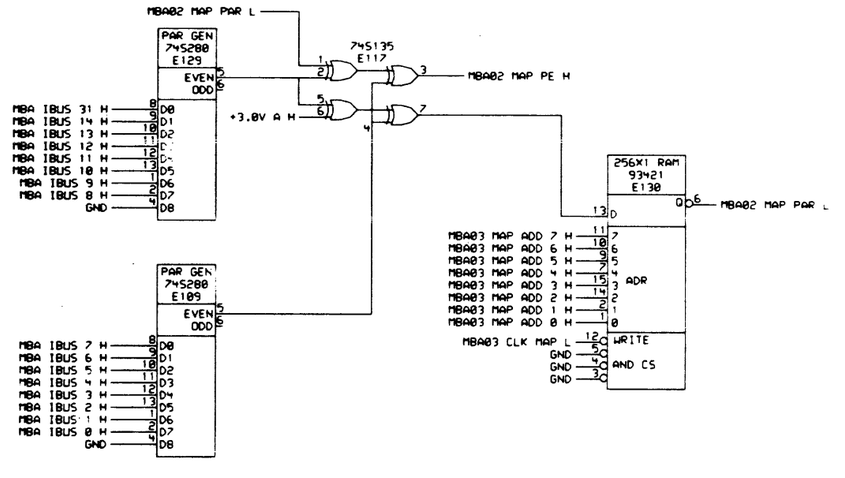
DRN. JPMoyle — DATE 21-NOV-80 — ENG. — DATE
CHK D. — DATE — BOARD LOCATION: AC7
SHEET 1 OF 1
[160,1271]MBA01.DR 20-NOV-80 16:32 — NEXT HIGHER ASSEMBLY: B-DI -L0007-0
FIRST USED ON OPTION/MODEL: RH750

TITLE: MBA01 MAP REG <11:0>

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-1	A

COMETCHIPS, [160,1271]MBA01.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA01.PLO[160,1271] 31-DEC-80 09:15





REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. JPLoyle DATE 21-NOV-88 | ENG. DATE | TITLE: MBA02 MAP <31:12> & PAR

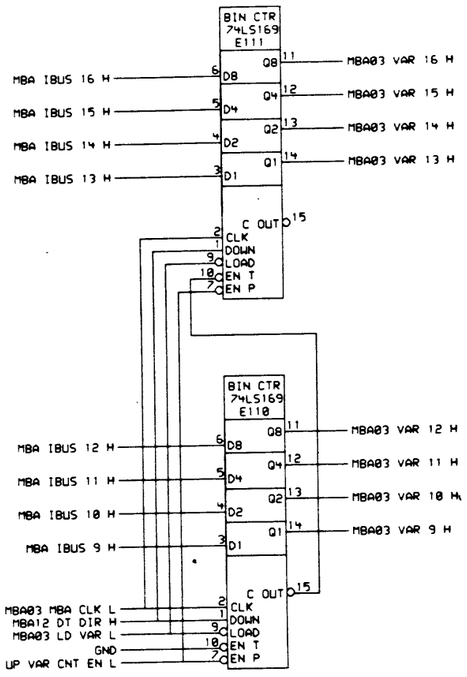
CHK'D. DATE | BOARD LOCATION: AC2 | SHEET 1 OF 1

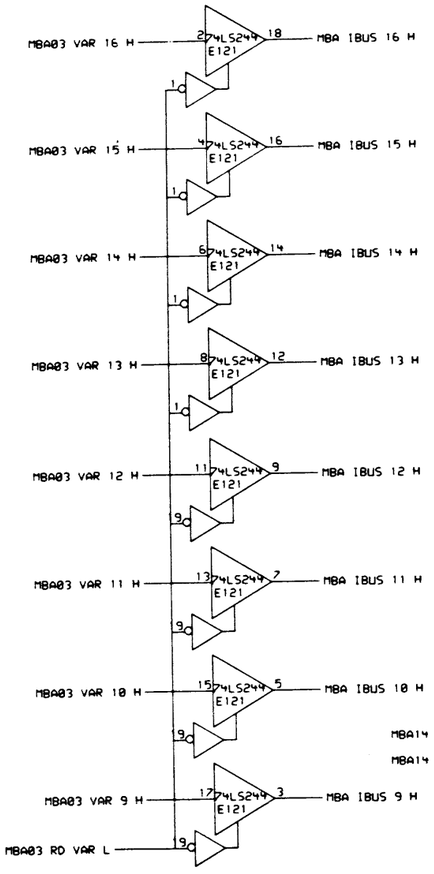
[160,127] MBA02.DRW 20-NOV-88 16:36 | NEXT HIGHER ASSEMBLY:

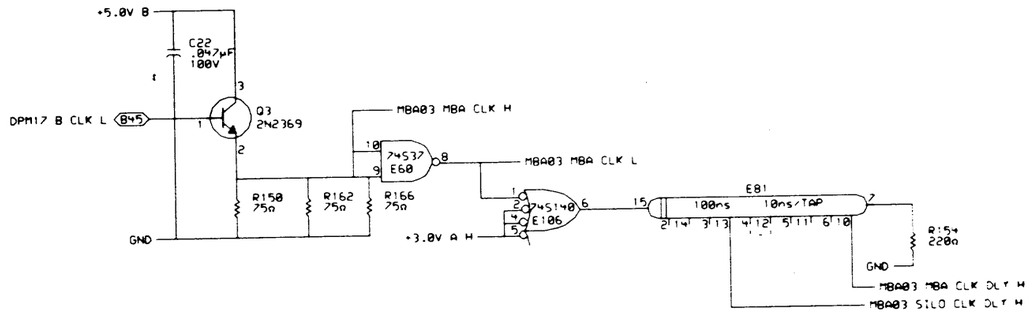
FIRST USED ON OPTION/MODEL: RH750 | B-DD-L0007-0

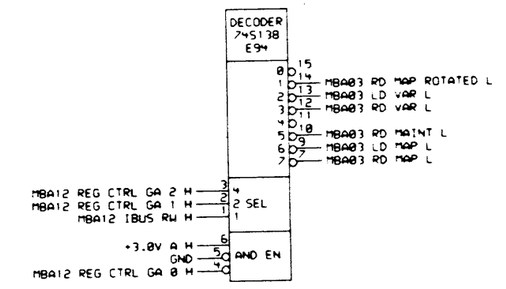
SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-2	A

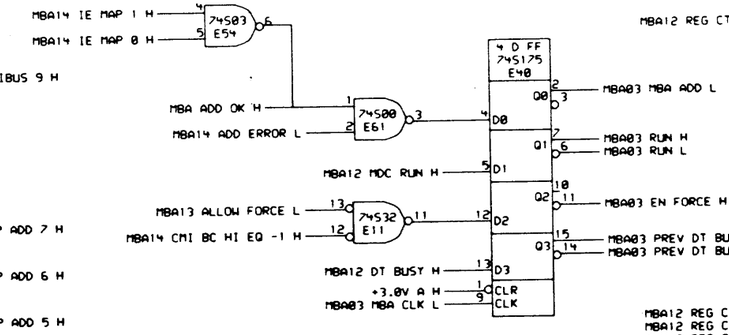
COMETCHIPS, [160,127]MBA02.DPL, SCALE 2.5 RELEASE BCV
COMETCHIPS MBA02.PLO[160,127] 31-DEC-88 09:15

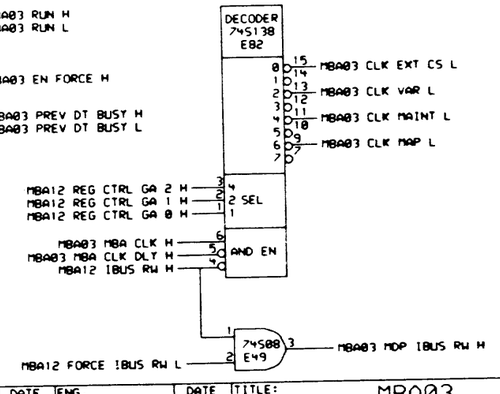


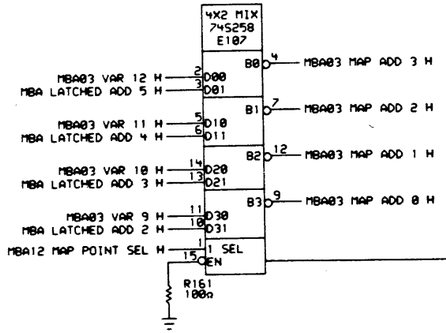


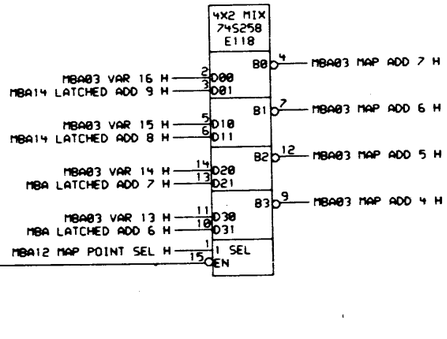












REVISIONS		
CHK	CHANGE NO.	REV

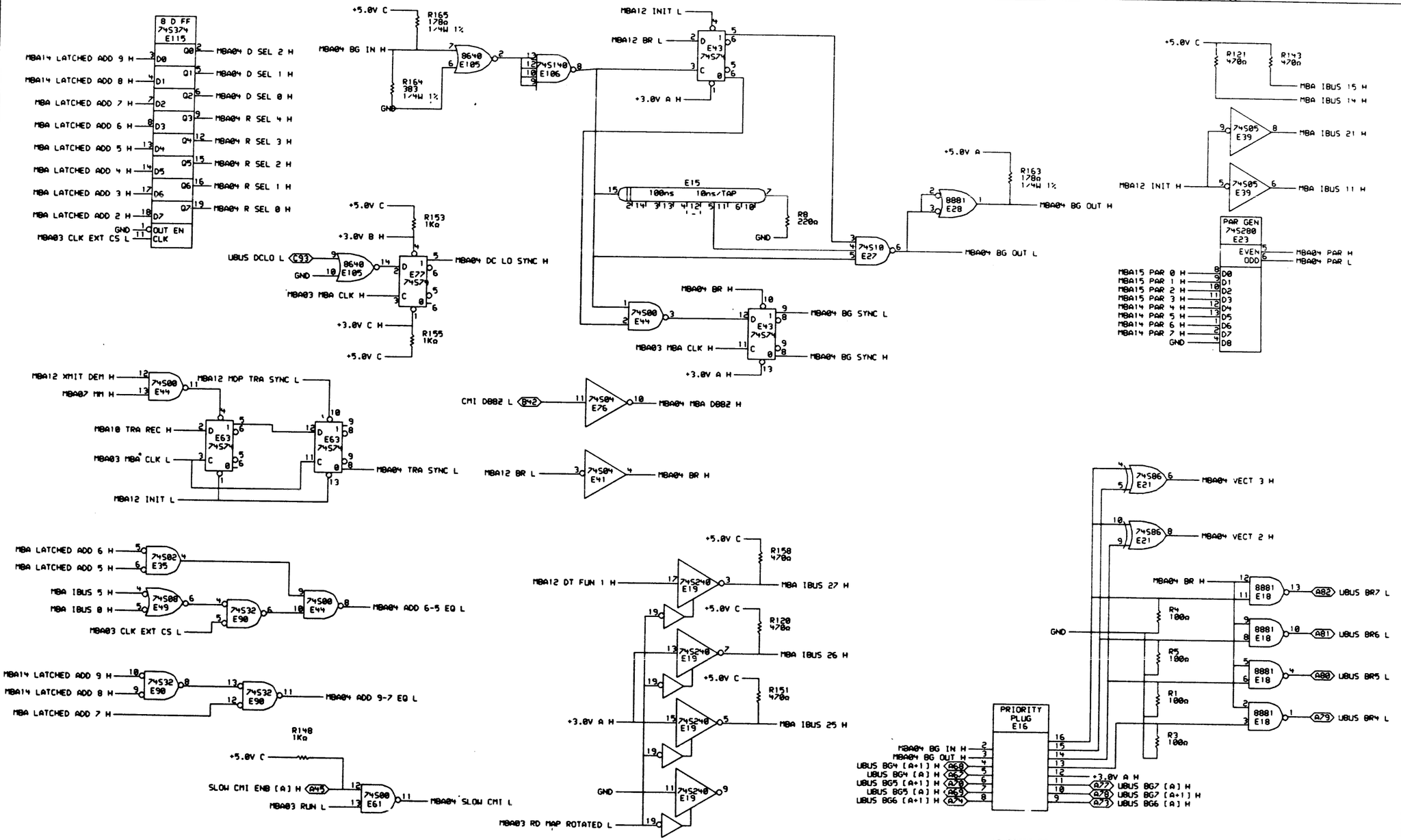
digital

DRN. JPMoyle	DATE 06-FEB-81	ENG. DATE
CHK D.	DATE	BOARD LOCATION: AC?
[160,1271]MBA03.DRW	20-NOV-80 16:41	SHEET 1 OF 1
FIRST USED ON OPTION/MODEL: RH750		NEXT HIGHER ASSEMBLY: B-DD-L0007-0

TITLE: MBA03 VAR & CLK CONTROL

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-3	A

COMETCHIPS, [160,1271]MBA03.DPL, SCALE 2, "D" RELEASE 80X
COMETCHIPS MBA03.PLO[160,1271] 06-FEB-81 14:50



12-09838-00

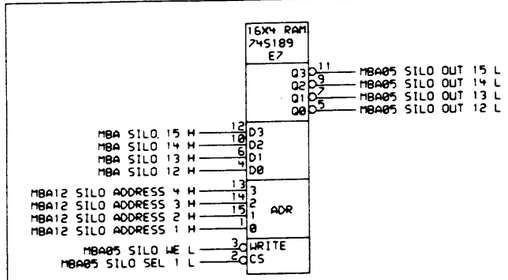
REVISIONS		
CHK	CHANGE NO.	REV

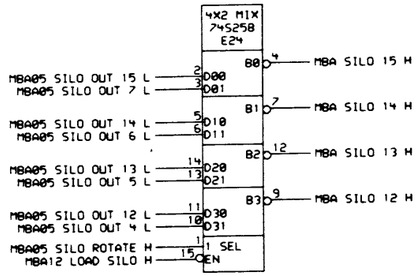
digital	DRN. JPlogle	DATE 13-JAN-81	ENG. / DATE
	CHK'D.	DATE	BOARD LOCATION: AC?
			SHEET 1 OF 1
(160,127) MBA04.DRW 13-JAN-81 18:34	NEXT HIGHER ASSEMBLY: B-DD-L0007-0		
FIRST USED ON OPTION/MODEL: RH750			

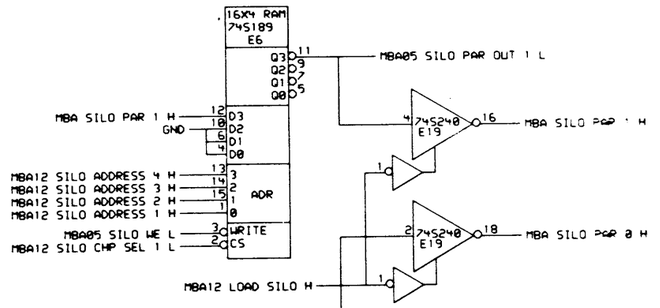
TITLE: MBA04 INTER CONT & MISC

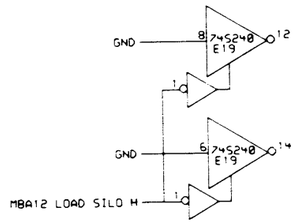
SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-4	A

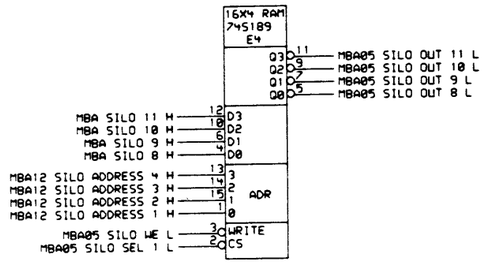
COMETCHIPS, (160,127) MBA04.DPL, SCALE 2, D RELEASE BOX
COMETCHIPS MBA04.PLO[160,127] 13-JAN-81 18:36

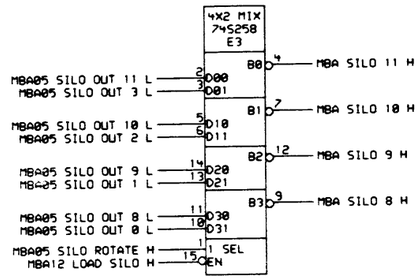


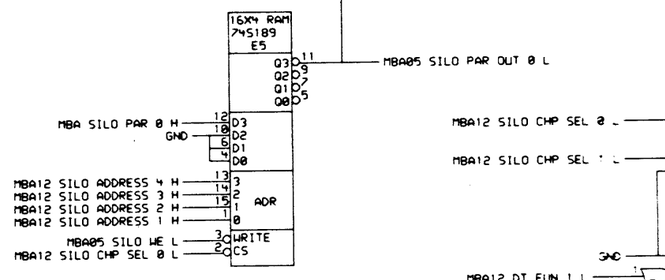


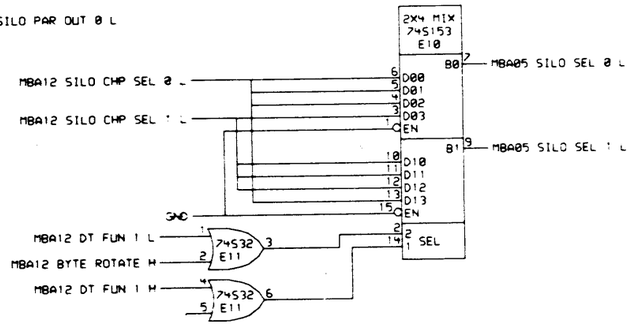


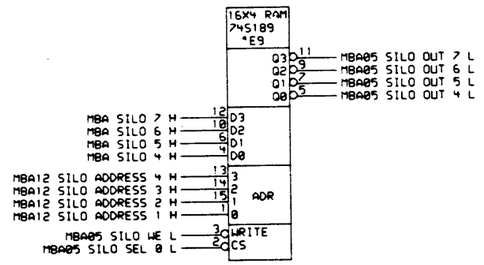


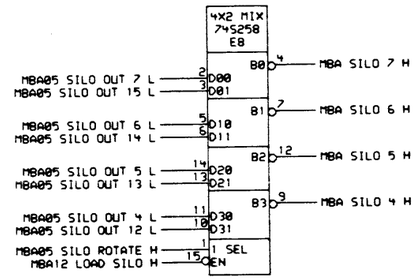


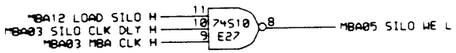


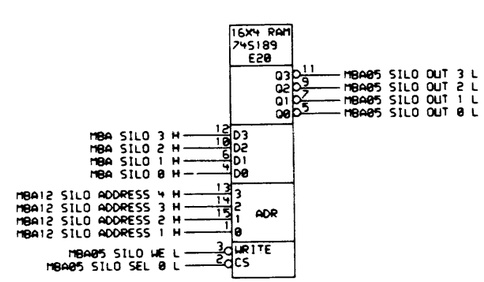


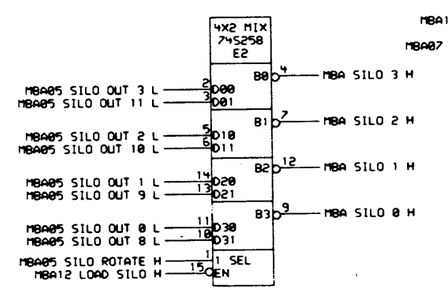


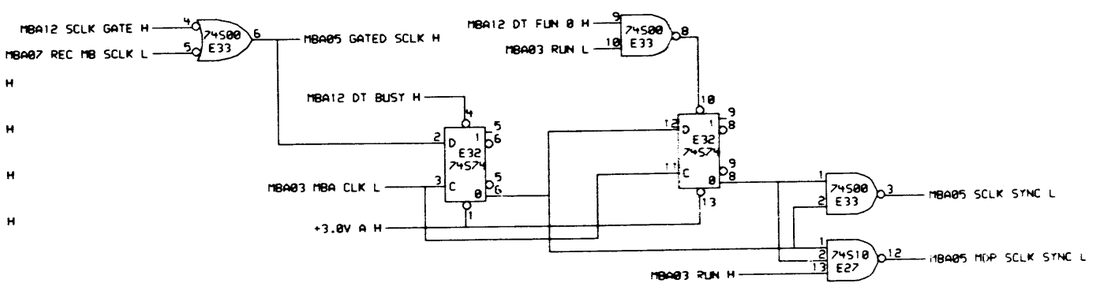












REVISIONS		
CHK	CHANGE NO.	REV

digital

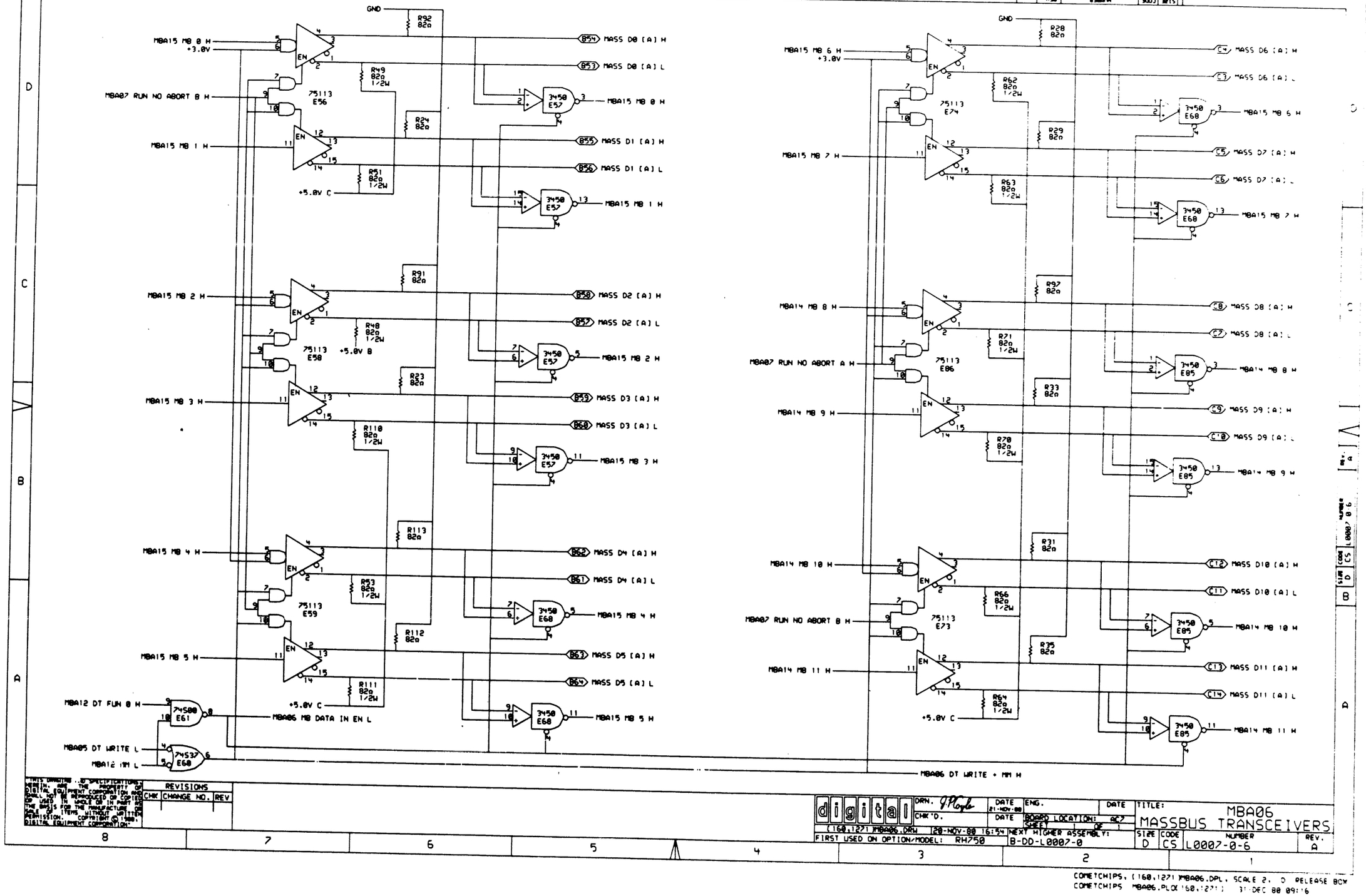
DRN. JPBoyle DATE 21-NOV-80 ENG. DATE
CHK'D. DATE BOARD LOCATION: AC7 SHEET OF

[160,127]MBA05.DRW 20-NOV-80 16:50 NEXT HIGHER ASSEMBLY: B-DD-L0007-0
FIRST USED ON OPTION/MODEL: RH750

TITLE: MBA05 DATA SILO

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-5	A

COMETCHIPS, [160,127]MBA05.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA05.PLO[160,127] 31-DEC-80 09:16



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REVISIONS		
CHK	CHANGE NO.	REV

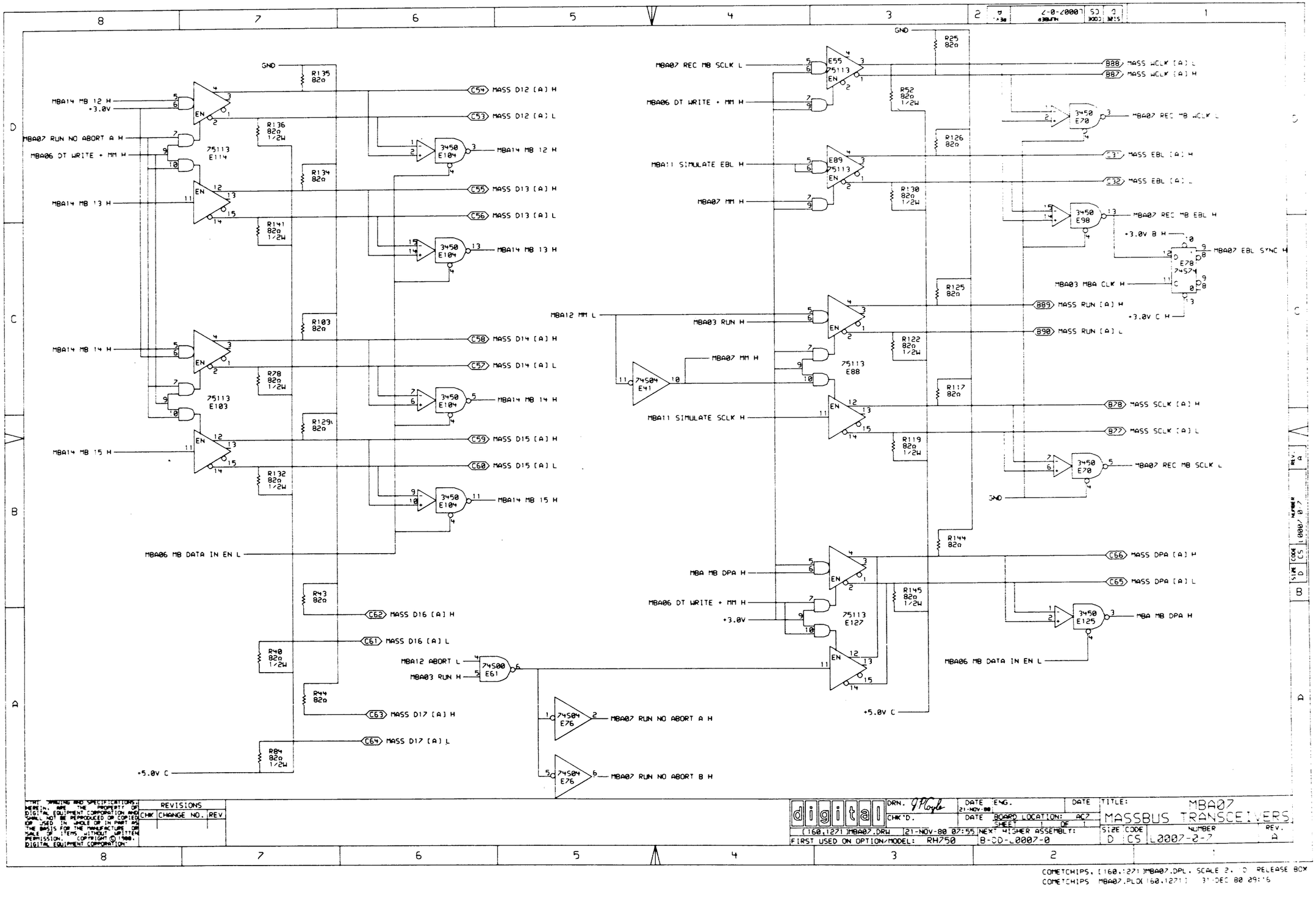
digital

DRN. J.Floyde	DATE 21-NOV-80	ENG.	DATE
CHK'D.	DATE	BOARD LOCATION: AC7	
(160,127) MBA06.DRW 20-NOV-80 16:54		SHEET 1 OF 1	
FIRST USED ON OPTION/MODEL: RH750		NEXT HIGHER ASSEMBLY: B-DD-L0007-0	

TITLE: MBA06 MASSBUS TRANSCEIVERS

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-6	A

COMETCHIPS, (160,127) MBA06.DPL, SCALE 2. D RELEASE BOX
COMETCHIPS MBA06.PLO(160,127) 31-DEC-80 09:16



REVISIONS		
CHK	CHANGE NO.	REV

digital

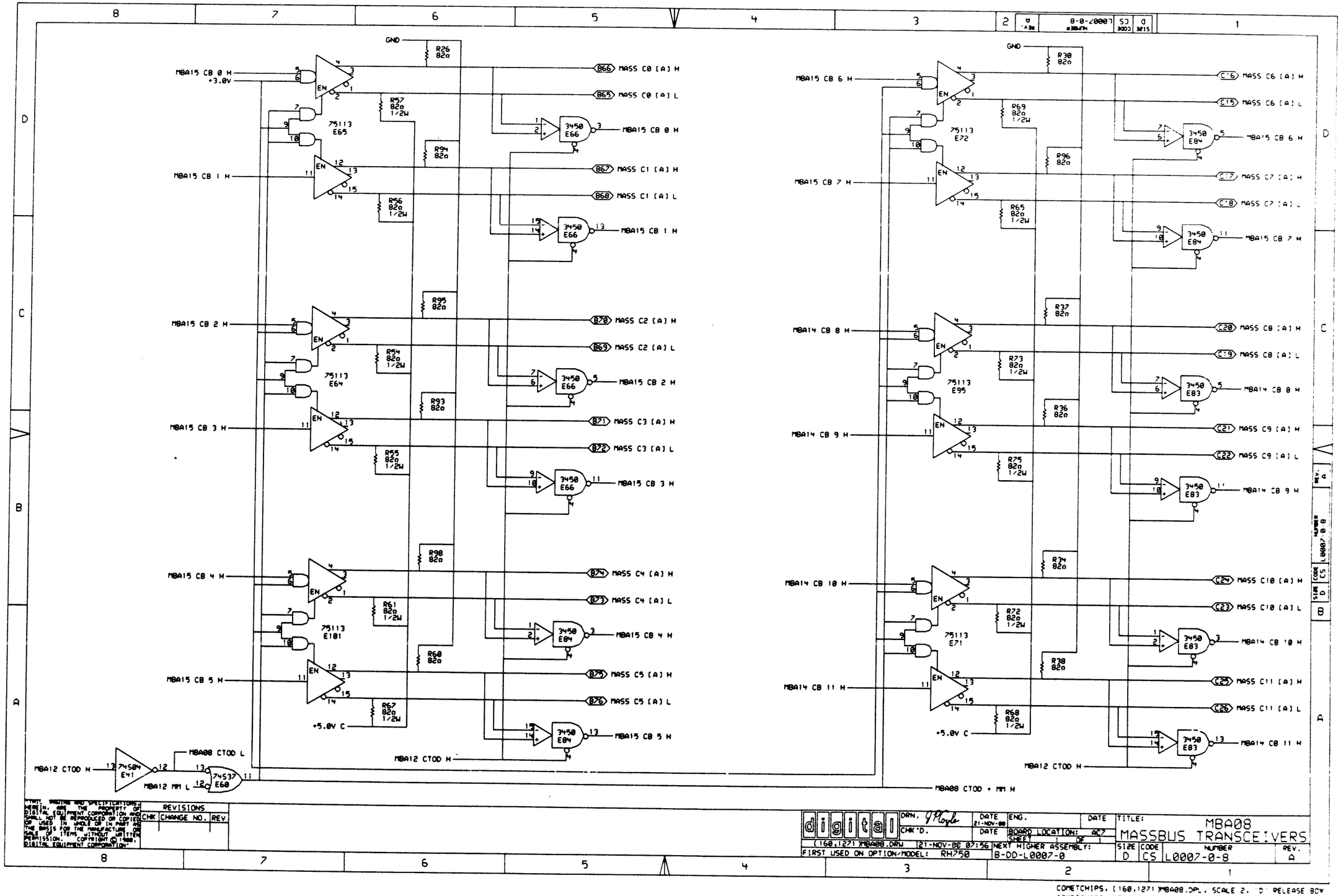
DRN. JPMoyle — DATE ENG. 21-NOV-80 — DATE
CHK'D. — DATE BOARD LOCATION: AC7
SHEET 1 OF 1

(160,1271)MBA07.DRW | 21-NOV-80 07:55 | NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: RH750 | B-CD-L0007-0

TITLE: MBA07 MASSBUS TRANSCEIVERS

SIZE D | CODE CS | NUMBER L0007-0-7 | REV. D

COMETCHIPS, [160,1271]MBA07.DPL, SCALE 2, D RELEASE BOX
COMETCHIPS MBA07.PLO[160,1271] 31-DEC 80 09:16

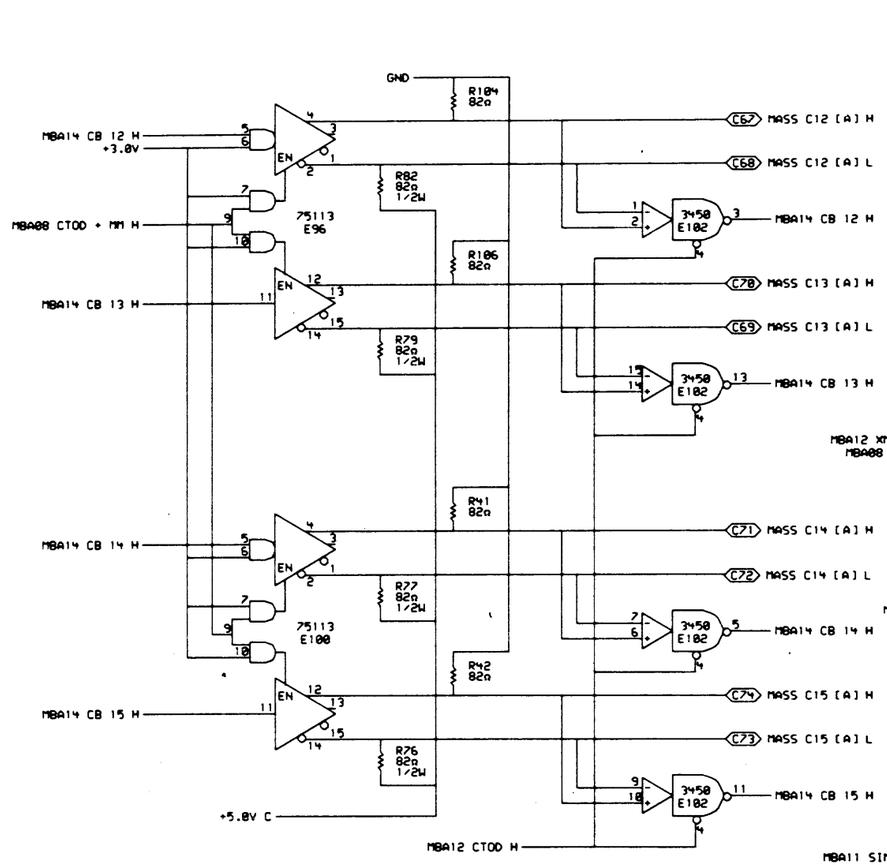


REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. JFloyd	DATE 21-NOV-80	ENG.	DATE	TITLE: MBA08 MASSBUS TRANSCEIVERS	
CHK'D.	DATE	BOARD LOCATION: AC7			
(160,1271 MBA08.DRW 21-NOV-80 07:56		SHEET OF			
FIRST USED ON OPTION/MODEL: RH750		NEXT HIGHER ASSEMBLY: B-DD-L0007-0		SIZE D	CODE CS
				NUMBER L0007-0-8	REV. A

COMETCHIPS, (160,1271 MBA08.DPL, SCALE 2, D RELEASE BCV
COMETCHIPS MBA08.PLO(160, 271) 31-DEC-80 09:16



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REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. JPCyr | DATE 21-NOV-80 | ENG. | DATE

CHK "D." | DATE | BOARD LOCATION: AC7 | SHEET 1 OF

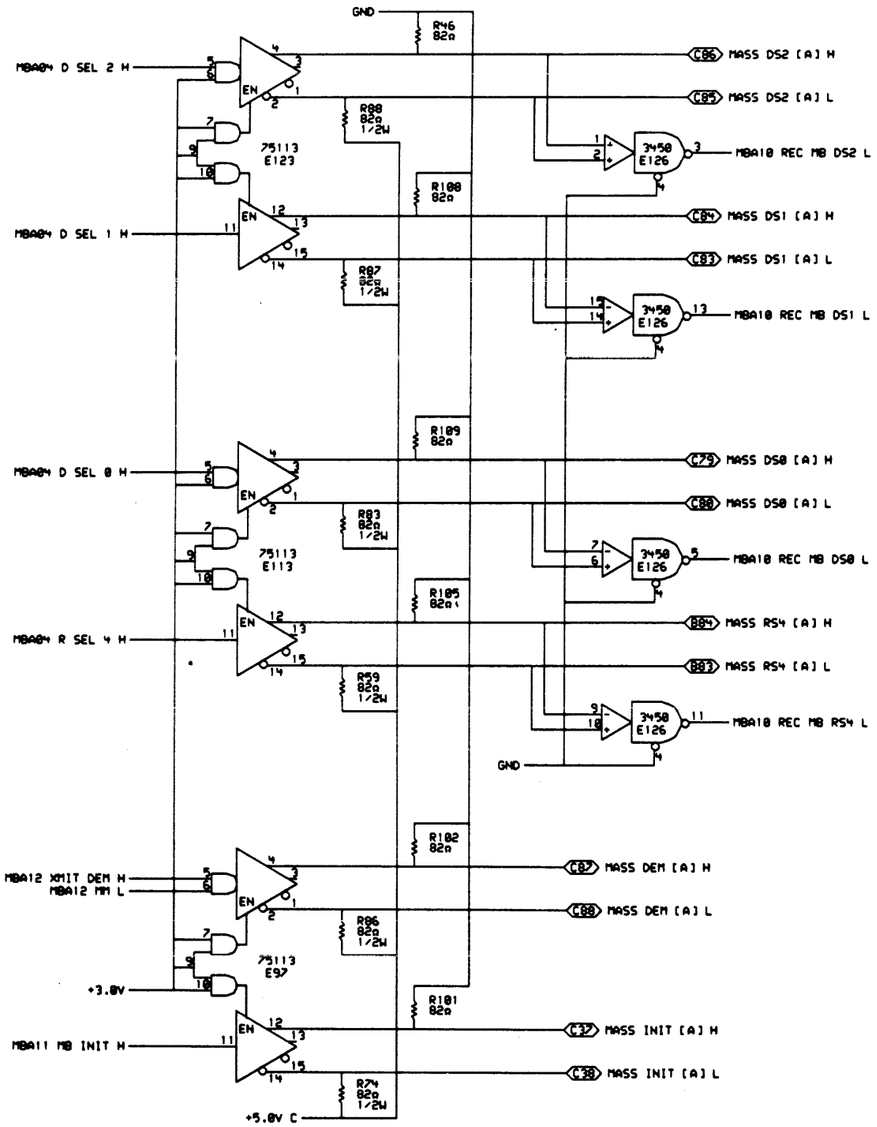
[160,1271]MBA09.DRW 21-NOV-80 07:58 | NEXT HIGHER ASSEMBLY: B-DD-L0007-0

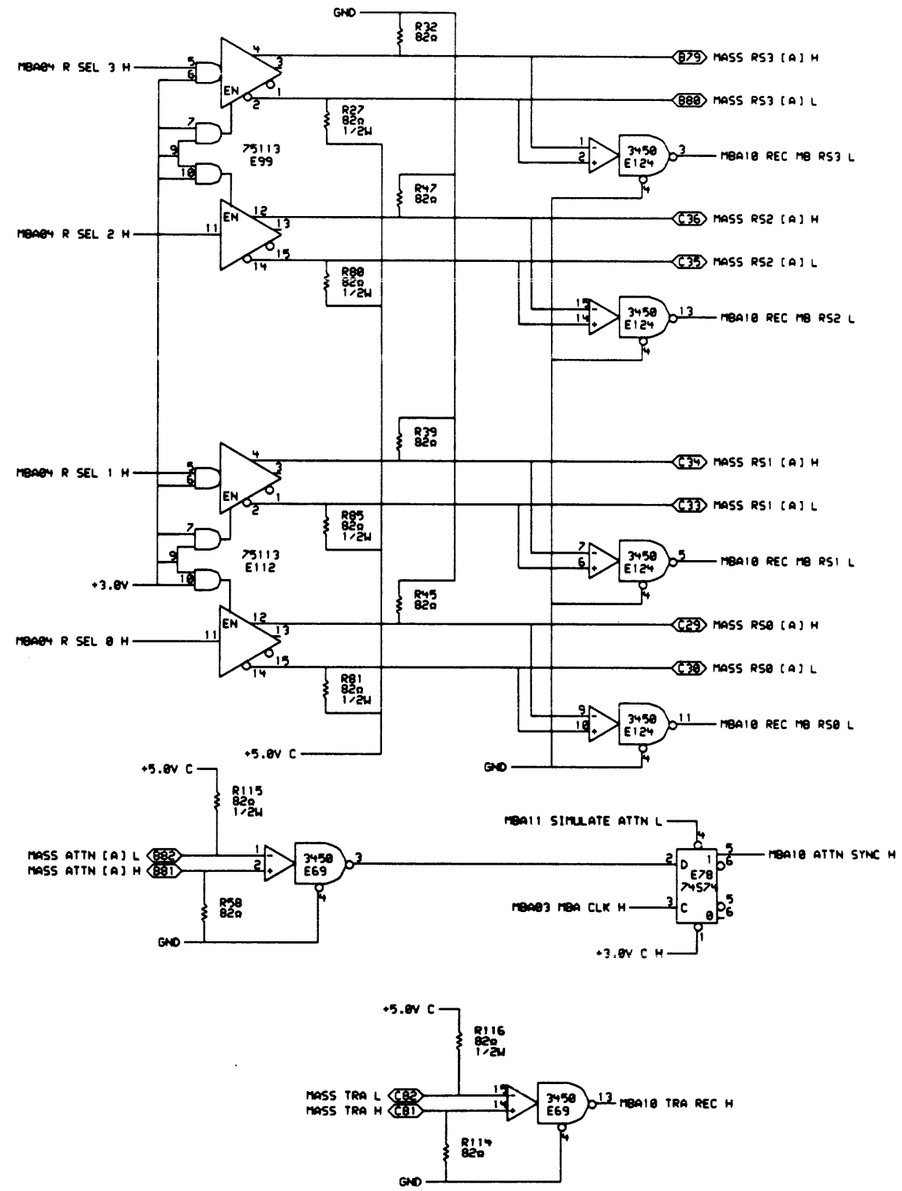
FIRST USED ON OPTION/MODEL: RH750

TITLE: MBA09 MASSBUS TRANSCEIVERS

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-9	A

COMETCHIPS, [160,1271]MBA09.DPL, SCALE 2, "D" RELEASE 80*
COMETCHIPS MBA09.PLO[160,1271] 31-DEC-80 09:17



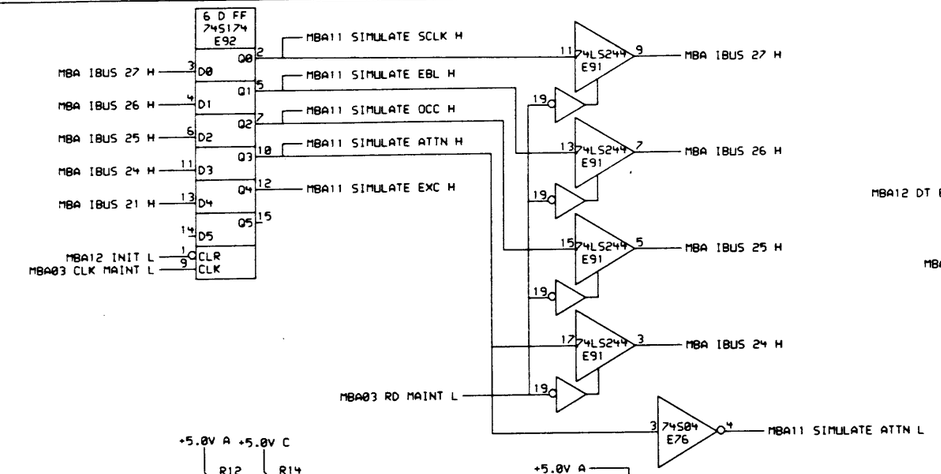


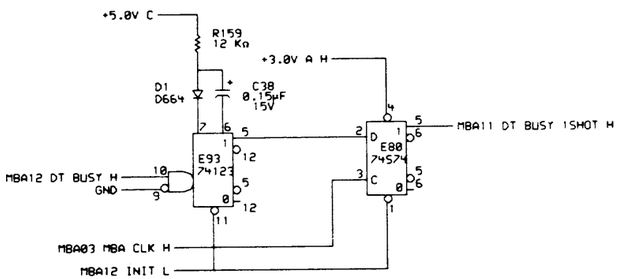
REVISIONS		
CHK	CHANGE NO.	REV

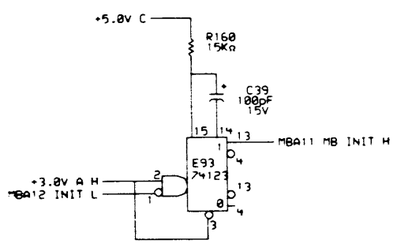
digital	DRN. J.Moyle	DATE 21-NOV-80	ENG.	DATE	TITLE: MBA10 MASSBUS TRANSCEIVERS
	CHK'D.	DATE	BOARD LOCATION: AC7		
			SHEET 1 OF 1		
(160,1271)MBA10.DRW	21-NOV-80 07:59	NEXT HIGHER ASSEMBLY:			
FIRST USED ON OPTION/MODEL: RH750		B-DD-L0007-0			

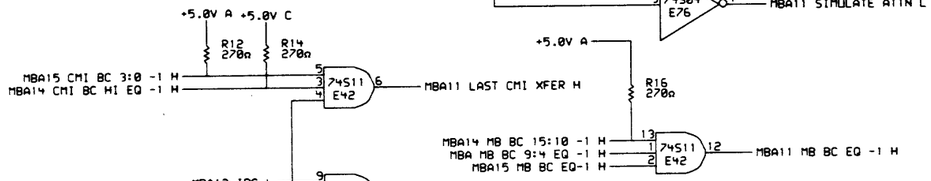
SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-10	A

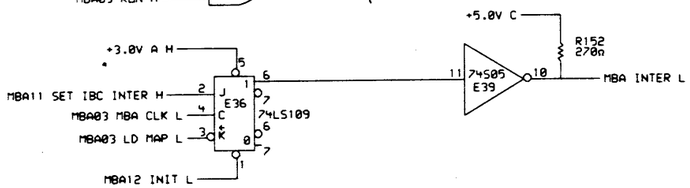
COMETCHIPS, (160,1271)MBA10.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA10.PLO(160,1271) 31-DEC-80 09:17

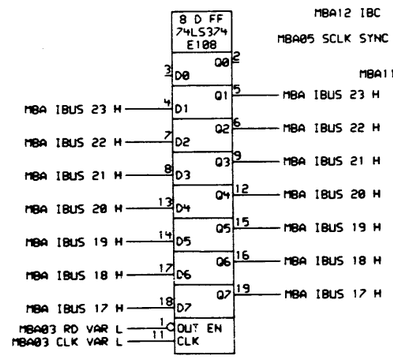


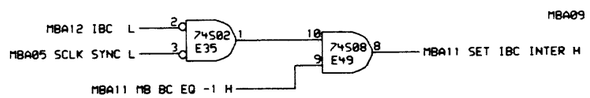


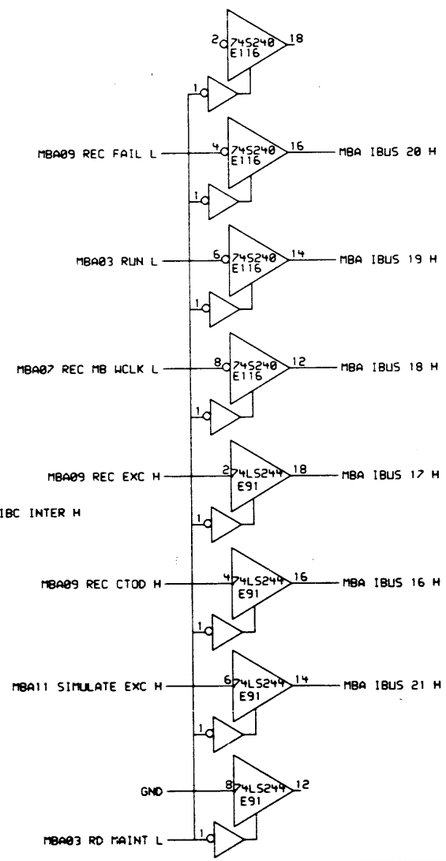


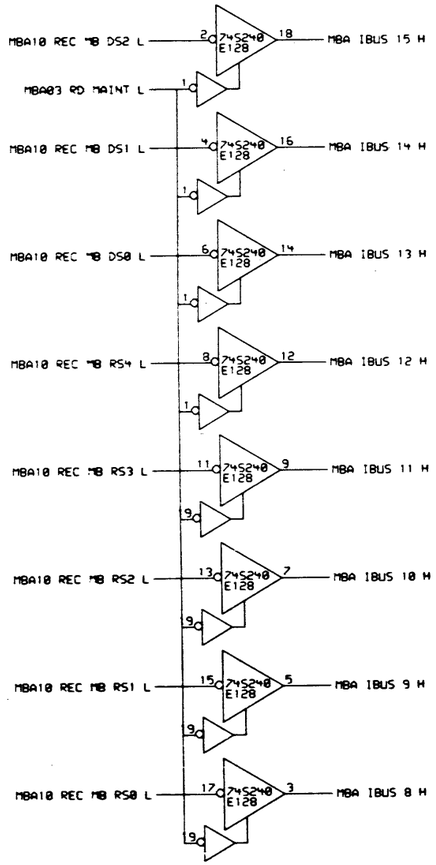












REVISIONS		
CHK	CHANGE NO.	REV

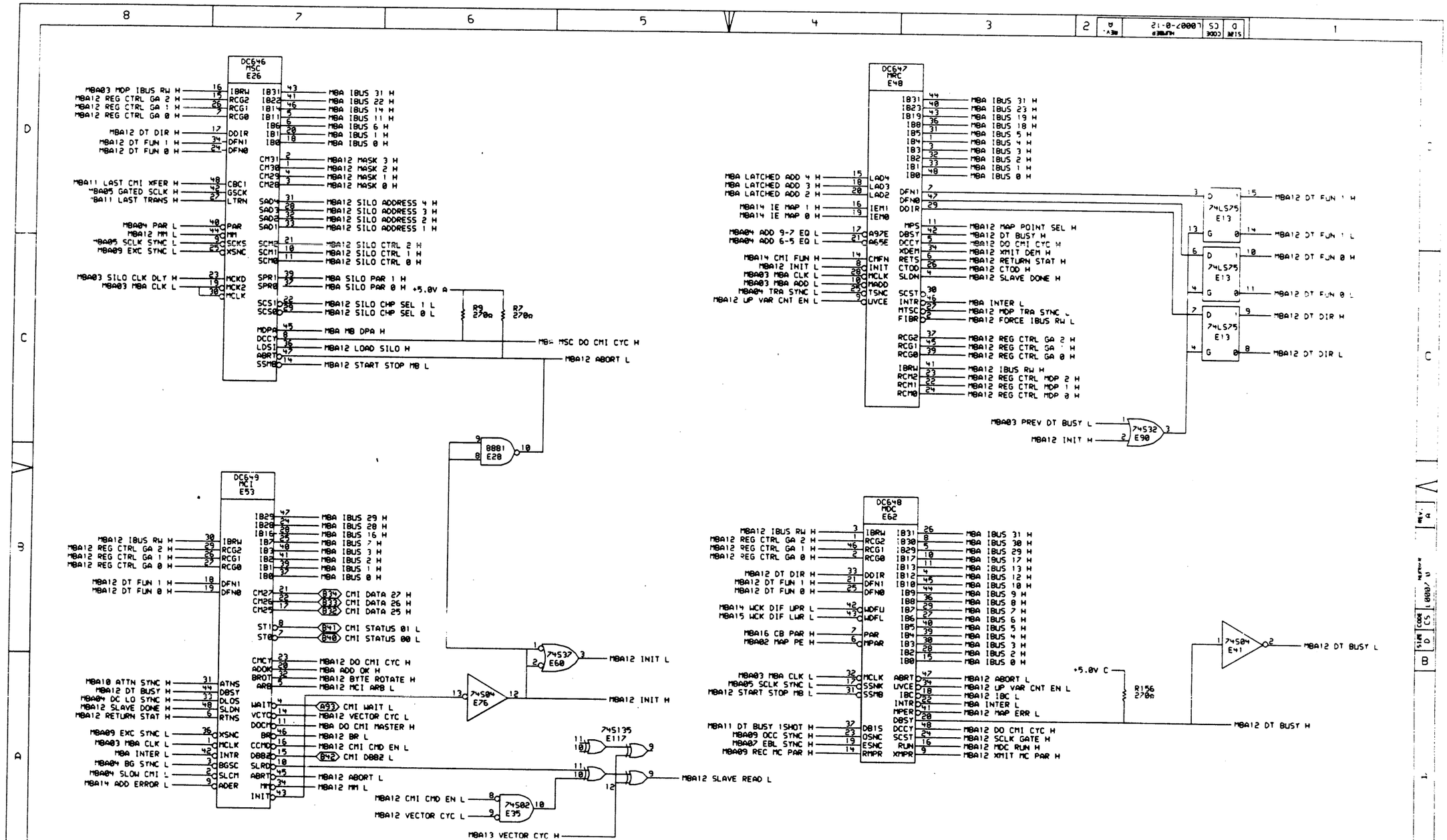
digital

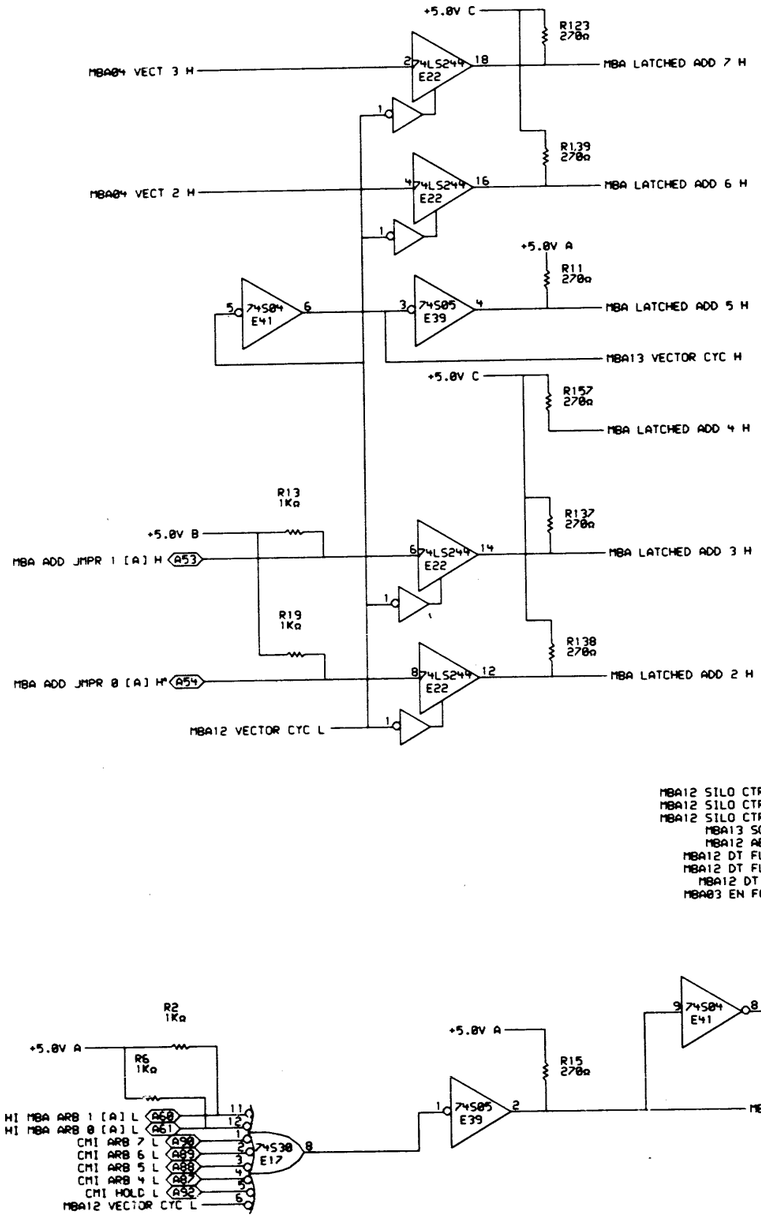
DRN. JPCoyle — DATE 17-SEP-81 — ENG. — DATE
CHK'D. — DATE — BOARD LOCATION: AC7 — SHEET 1 OF 1
[160,1271]MBA11.DRW 13-MAR-81 11:23
FIRST USED ON OPTION/MODEL: RH750
NEXT HIGHER ASSEMBLY: B-DD-L0007-0

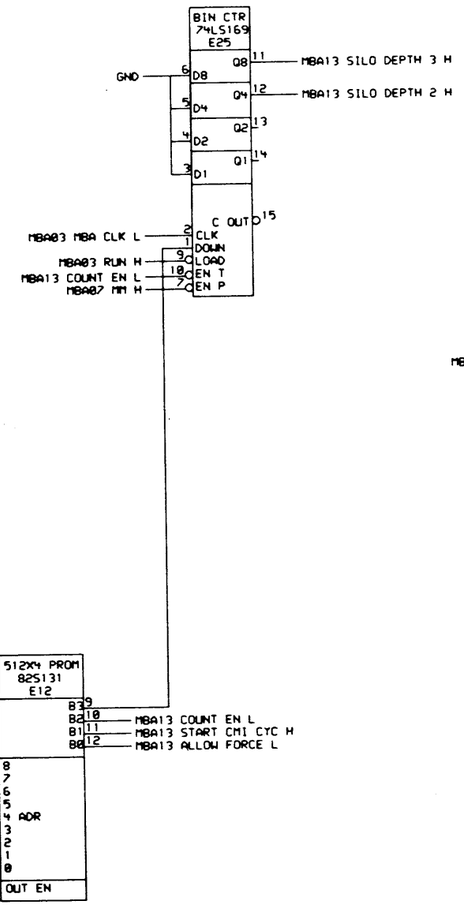
TITLE: MBA11 MAINT REG & MISC

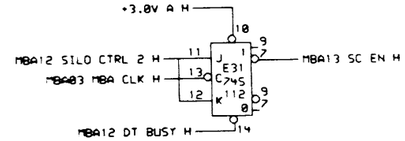
SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-11	B

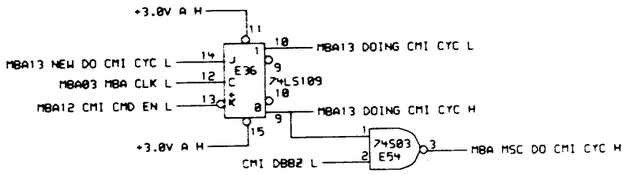
COMETCHIPS, [160,1271]MBA11.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA11.PLOC[160,1271] 17-SEP-81 09:23

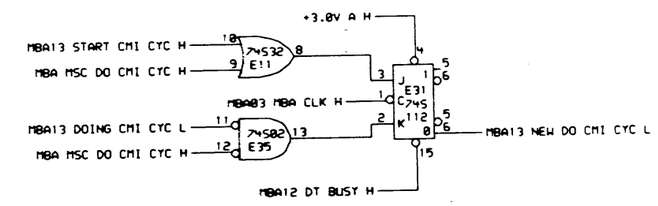

DC646 MSC E26
MBA03 MDP IBUS RW H
MBA12 REG CTRL GA 2 H
MBA12 REG CTRL GA 1 H
MBA12 REG CTRL GA 0 H
MBA12 DT DIR H
MBA12 DT FUN 1 H
MBA12 DT FUN 0 H
MBA11 LAST CMI XFER H
MBA05 GATED SCLK H
MBA11 LAST TRANS H
MBA04 PAR L
MBA12 MM L
MBA05 SCLK SYNC L
MBA09 EXC SYNC L
MBA03 SILO CLK DLY H
MBA03 MBA CLK L
IBRW
RCG2
RCG1
RCG0
DDIR
DFN1
DFN0
CBC1
GSCK
LTRN
PAR
MM
SCKS
XSNC
MCKD
MCK2
MCLK
IB31
IB22
IB14
IB11
IB6
IB1
IB0
MBA IBUS 31 H
MBA IBUS 22 H
MBA IBUS 14 H
MBA IBUS 11 H
MBA IBUS 6 H
MBA IBUS 1 H
MBA IBUS 0 H
CM31
CM30
CM29
CM28
MBA12 MASK 3 H
MBA12 MASK 2 H
MBA12 MASK 1 H
MBA12 MASK 0 H
SAD4
SAD3
SAD2
SAD1
MBA12 SILO ADDRESS 4 H
MBA12 SILO ADDRESS 3 H
MBA12 SILO ADDRESS 2 H
MBA12 SILO ADDRESS 1 H
SCM2
SCM1
SCM0
MBA12 SILO CTRL 2 H
MBA12 SILO CTRL 1 H
MBA12 SILO CTRL 0 H
SPR1
SPR0
MBA SILO PAR 1 H
MBA SILO PAR 0 H
+5.0V A
SCS1
SCS0
MBA12 SILO CHP SEL 1 L
MBA12 SILO CHP SEL 0 L
R9 270Ω
R7 270Ω
MDPA
MBA MB DPA H
DCCY
LDS1
MBA12 LOAD SILO H
ABRT
MBA12 ABORT L
SSMB
MBA12 START STOP MB L
MBA MSC DO CMI CYC H
8881 E28
DC649 MCI E53
MBA12 IBUS RW H
MBA12 REG CTRL GA 2 H
MBA12 REG CTRL GA 1 H
MBA12 REG CTRL GA 0 H
MBA12 DT FUN 1 H
MBA12 DT FUN 0 H
IBRW
RCG2
RCG1
RCG0
DFN1
DFN0
IB29
IB28
IB16
IB7
IB3
IB2
IB1
IB0
MBA IBUS 29 H
MBA IBUS 28 H
MBA IBUS 16 H
MBA IBUS 7 H
MBA IBUS 3 H
MBA IBUS 2 H
MBA IBUS 1 H
MBA IBUS 0 H
CM27
CM26
CM25
B34
B33
B32
CMI DATA 27 H
CMI DATA 26 H
CMI DATA 25 H
ST1
ST0
B41
B40
CMI STATUS 01 L
CMI STATUS 00 L
CMCY
ADOK
BROT
ARB
MBA12 DO CMI CYC H
MBA ADD OK H
MBA12 BYTE ROTATE H
MBA12 MCI ARB L
MBA10 ATTN SYNC H
MBA12 DT BUSY H
MBA04 DC LO SYNC H
MBA12 SLAVE DONE H
MBA12 RETURN STAT H
MBA09 EXC SYNC L
MBA03 MBA CLK L
MBA INTER L
MBA04 BG SYNC L
MBA04 SLOW CMI L
MBA14 ADD ERROR L
ATNS
DBSY
DLOS
SLDN
RTNS
XSNC
MCLK
INTR
BGSC
SLCM
ADER
WAIT
VCYC
DOCM
BR
CCMD
DB82
SLRD
ABRT
MM
INIT
B93
CMI WAIT L
MBA12 VECTOR CYC L
MBA DO CMI MASTER H
MBA12 BR L
MBA12 CMI CMD EN L
B42
CMI DB82 L
MBA12 ABORT L
MBA12 MM L
7453?? E60
7404 E76
MBA12 INIT L
MBA12 INIT H
74S135 E117
MBA12 SLAVE READ L
74S02 E35
MBA12 CMI CMD EN L
MBA12 VECTOR CYC L
MBA13 VECTOR CYC H
DC647 MRC E48
MBA LATCHED ADD 4 H
MBA LATCHED ADD 3 H
MBA LATCHED ADD 2 H
MBA14 IE MAP 1 H
MBA14 IE MAP 0 H
MBA04 ADD 9-7 EQ L
MBA04 ADD 6-5 EQ L
MBA14 CMI FUN H
MBA12 INIT L
MBA03 MBA CLK L
MBA03 MBA ADD L
MBA04 TRA SYNC L
MBA12 UP VAR CNT EN L
LAD4
LAD3
LAD2
IEM1
IEM0
A97E
A65E
CMFN
INIT
MCLK
MADD
TSNC
UVCE
IB31
IB23
IB19
IB8
IB5
IB4
IB3
IB2
IB1
IB0
MBA IBUS 31 H
MBA IBUS 23 H
MBA IBUS 19 H
MBA IBUS 18 H
MBA IBUS 5 H
MBA IBUS 4 H
MBA IBUS 3 H
MBA IBUS 2 H
MBA IBUS 1 H
MBA IBUS 0 H
DFN1
DFN0
DDIR
MPS
DBST
DCCY
XDEM
RETS
CTOD
SLDN
SCST
INTR
MTSC
FIBR
RCG2
RCG1
RCG0
IBRW
RCM2
RCM1
RCM0
MBA12 MAP POINT SEL H
MBA12 DT BUST H
MBA12 DO CMI CYC H
MBA12 XMIT DEM H
MBA12 RETURN STAT H
MBA12 CTOD H
MBA12 SLAVE DONE H
MBA INTER L
MBA12 MDP TRA SYNC L
MBA12 FORCE IBUS RW L
MBA12 REG CTRL GA 2 H
MBA12 REG CTRL GA 1 H
MBA12 REG CTRL GA 0 H
MBA12 IBUS RW H
MBA12 REG CTRL MDP 2 H
MBA12 REG CTRL MDP 1 H
MBA12 REG CTRL MDP 0 H
MBA03 PREV DT BUSY L
MBA12 INIT H
74S32 E90
74LS75 E13
MBA12 DT FUN 1 H
MBA12 DT FUN 1 L
MBA12 DT FUN 0 H
MBA12 DT FUN 0 L
MBA12 DT DIR H
MBA12 DT DIR L
DC648 MDC E62
MBA12 IBUS RW H
MBA12 REG CTRL GA 2 H
MBA12 REG CTRL GA 1 H
MBA12 REG CTRL GA 0 H
MBA12 DT DIR H
MBA12 DT FUN 1 H
MBA12 DT FUN 0 H
MBA14 WCK DIF UPR L
MBA15 WCK DIF LWR L
MBA16 CB PAR H
MBA02 MAP PE H
MBA03 MBA CLK L
MBA05 SCLK SYNC L
MBA12 START STOP MB L
MBA11 DT BUSY 1SHOT H
MBA09 OCC SYNC H
MBA07 EBL SYNC H
MBA09 REC MC PAR H
IBRW
RCG2
RCG1
RCG0
DDIR
DFN1
DFN0
WDFU
WDFL
PAR
MPAR
MCLK
SSNC
SSMB
ABRT
UVCE
IBC
INTR
MPER
DBSY
DB1S
DCCY
OSNC
SCST
ESNC
RUN
RMPR
XMPR
IB31
IB30
IB29
IB17
IB13
IB12
IB11
IB9
IB8
IB7
IB6
IB5
IB4
IB3
IB2
IB0
MBA IBUS 31 H
MBA IBUS 30 H
MBA IBUS 29 H
MBA IBUS 17 H
MBA IBUS 13 H
MBA IBUS 12 H
MBA IBUS 10 H
MBA IBUS 9 H
MBA IBUS 8 H
MBA IBUS 7 H
MBA IBUS 6 H
MBA IBUS 5 H
MBA IBUS 4 H
MBA IBUS 3 H
MBA IBUS 2 H
MBA IBUS 0 H
MBA12 ABORT L
MBA12 UP VAR CNT EN L
MBA12 IBC L
MBA INTER L
MBA12 MAP ERR L
MBA12 DO CMI CYC H
MBA12 SCLK GATE H
MBA12 MDC RUN H
MBA12 XMIT MC PAR H
+5.0V C
R156 270Ω
74S04 E41
MBA12 DT BUST L
MBA12 DT BUST H
REVISIONS
CHK
CHANGE NO.
REV
digital
DRN. JPCyr
CHK'D.
DATE 21-NOV-88
ENG.
DATE
BOARD LOCATION: AC7
SHEET 1 OF 1
TITLE: MBA12 CONTROL CHIPS
SIZE D
CODE CS
NUMBER L0007-0-12
REV. A
(160,1271)MBA12.DRW 21-NOV-88 08:02
NEXT HIGHER ASSEMBLY: B-DD-L0007-0
FIRST USED ON OPTION/MODEL: RH750
COMETCHIPS, (160,1271)MBA12.DPL, SCALE 2. D RELEASE BOY
COMETCHIPS MBA12.PLO(160,1271) 31-DEC-80 09:1?

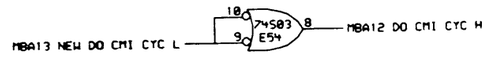


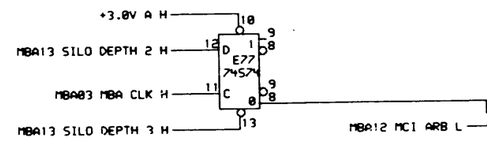










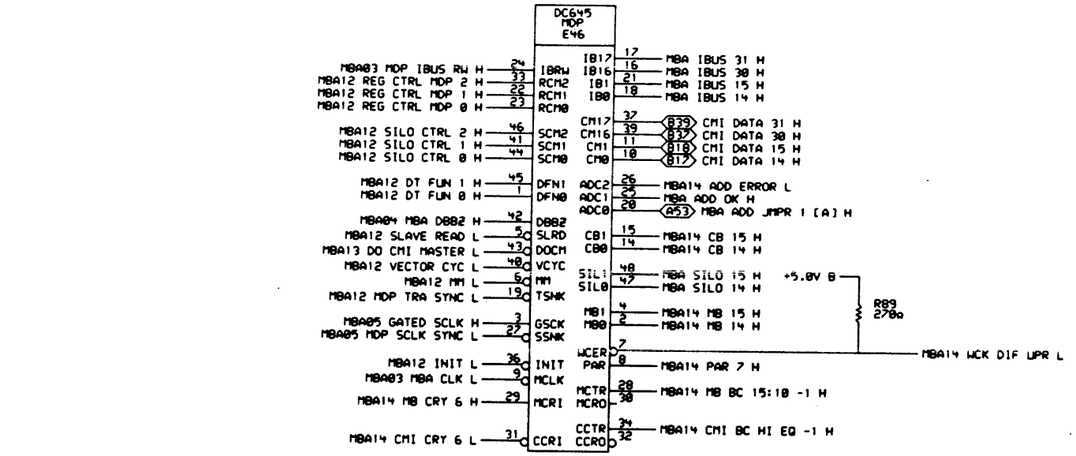


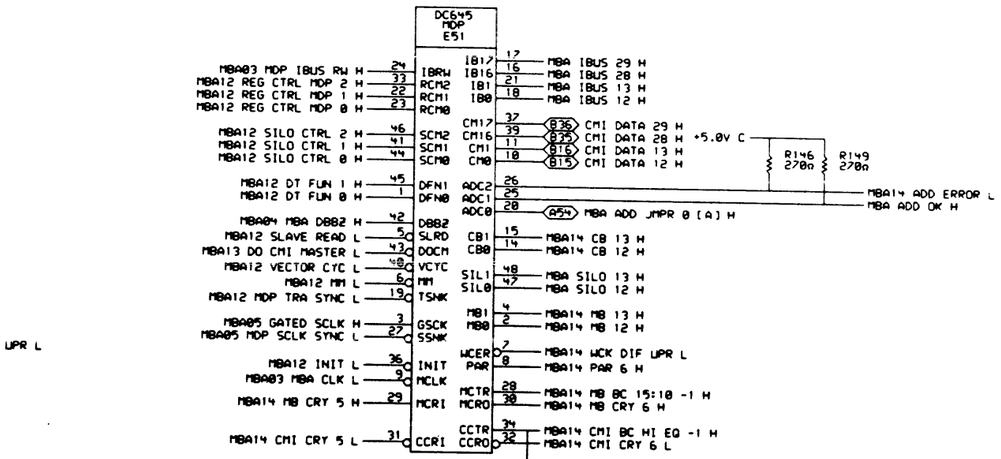
REVISIONS		
CHK	CHANGE NO.	REV

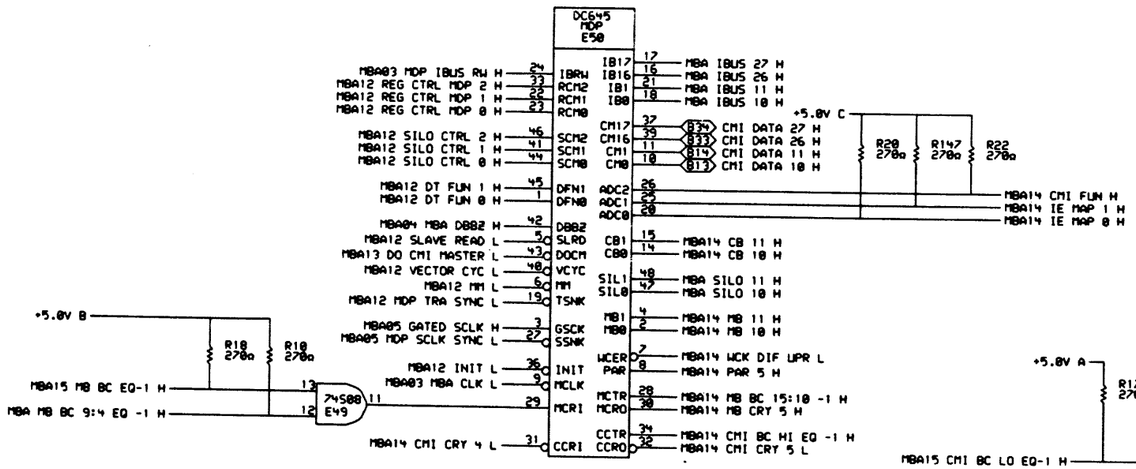
digital	DRN. JPLoyd	DATE 21-NOV-80	ENG. DATE
	CHK'D.	DATE	BOARD LOCATION: AC7
			SHEET 1 OF 1
[160,127]MBA13.DRW	21-NOV-80 08:03	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: RH750		B-DD-L0007-0	

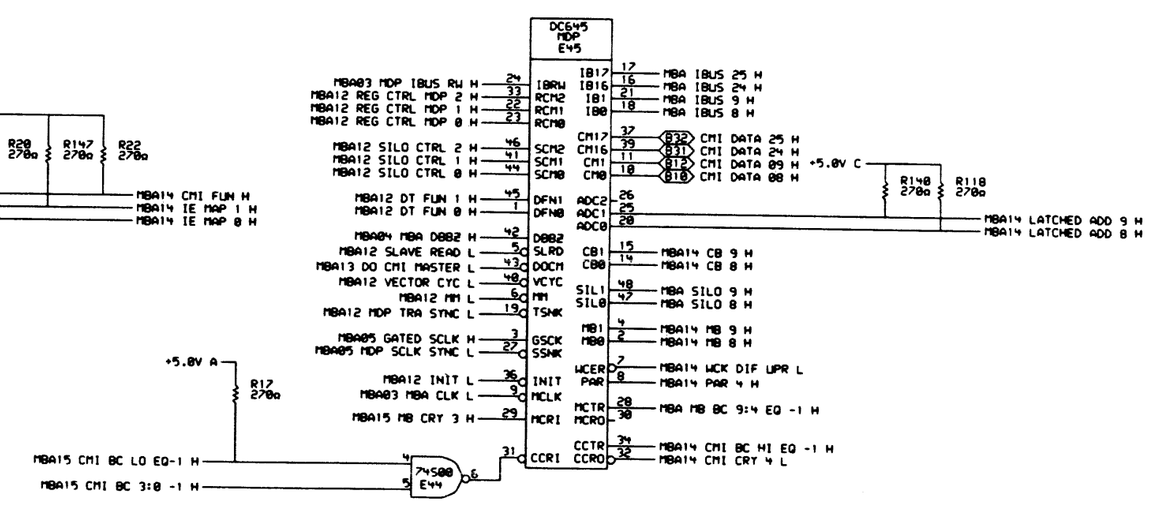
TITLE: MBA13 VECTOR & SILO CONTROL

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-13	A









REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. JPCyle | DATE 21-NOV-88 | ENG. | DATE | TITLE: MBA14 DATA PATH - UPPER

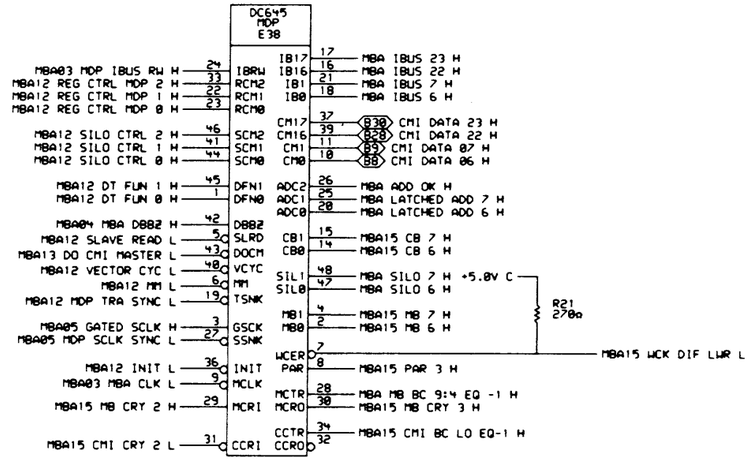
CHK'D. | DATE | BOARD LOCATION: AC7 | SHEET 1 OF 1

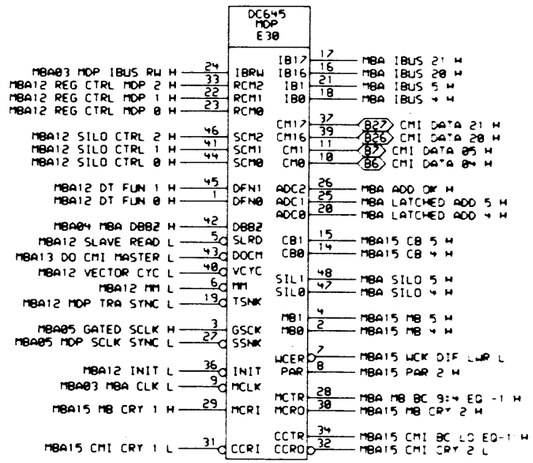
[160,127] MBA14.DRW | 21-NOV-88 08:05 | NEXT HIGHER ASSEMBLY: B-DD-L0007-0

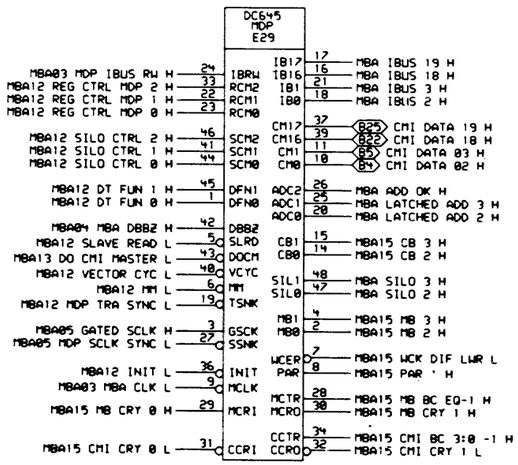
FIRST USED ON OPTION/MODEL: RH750

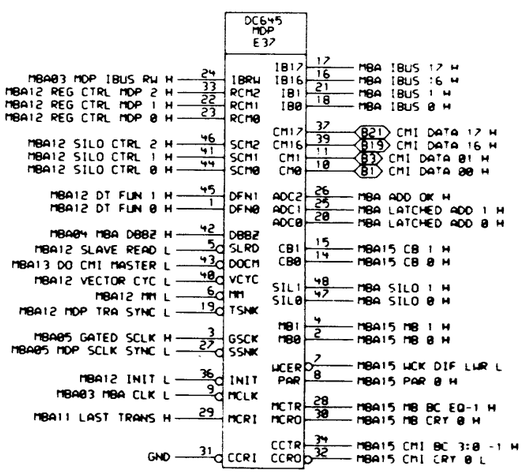
SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-14	A

COMETCHIPS, [160,127]MBA14.DPL, SCALE 2, 'D' RELEASE BOX
COMETCHIPS MBA14.PLO[160,127] 31-DEC-80 09:18





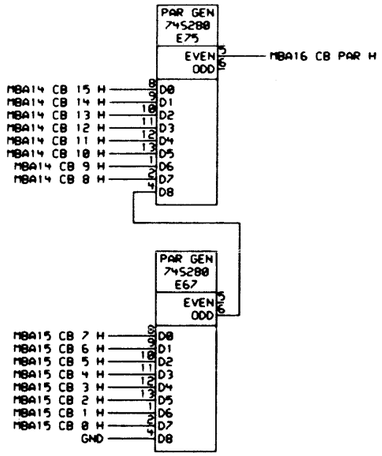


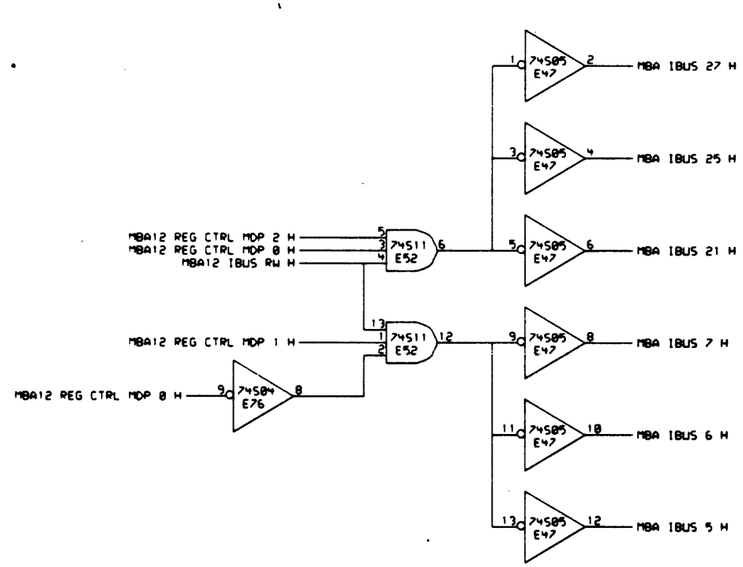


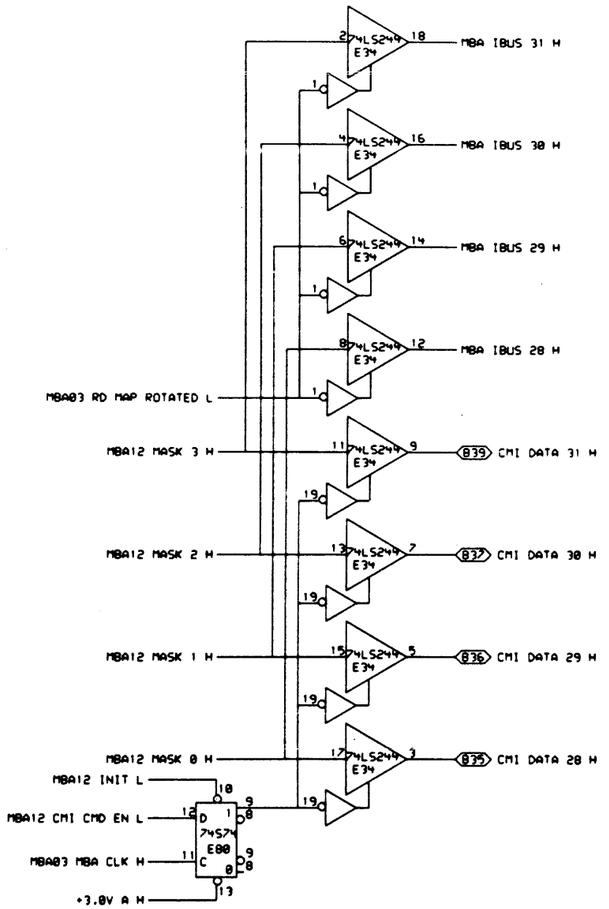
REVISIONS		
CHK	CHANGE NO.	REV

DRN. JMoyle	DATE 21-NOV-88	ENG.	DATE	TITLE: MBA15 DATA PATH - LOWER	
CHK'D.	DATE	BOARD LOCATION: AC7 SHEET 1 OF 1			
(160,127)MBA15.DRW 21-NOV-88 08:07		NEXT HIGHER ASSEMBLY:		SIZE	CODE / NUMBER / REV.
FIRST USED ON OPTION/MODEL: RH750		B-DD-L0007-0		D	CS / L0007-0-15 / A

COMETCHIPS, (160,127)MBA15.DPL, SCALE 2. 'D' RELEASE BOX
COMETCHIPS MBA15.PLO(160,127) 31 DEC 88 09:18







REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. JMoyle DATE 21-NOV-80 ENG. DATE TITLE: MBA16 CB PAR, MASK, MBZ BITS

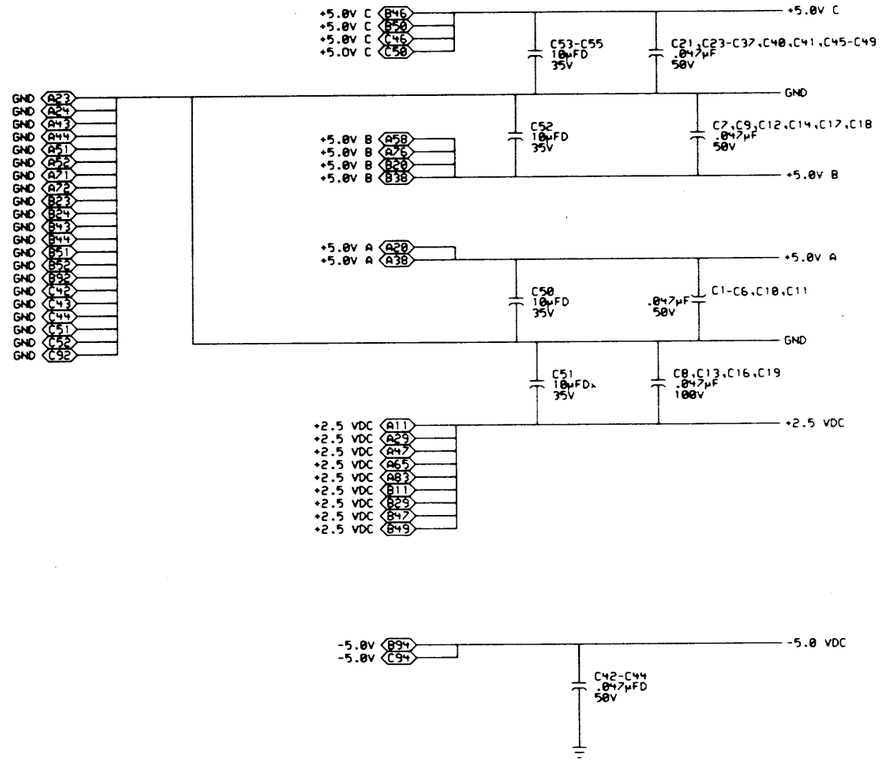
CHK'D. DATE BOARD LOCATION: AC? SHEET 1 OF

(160,1271)MBA16.DRW 21-NOV-80 08:08 NEXT HIGHER ASSEMBLY: B-DD-L0007-0

FIRST USED ON OPTION/MODEL: RH750

SIZE D | CODE CS | NUMBER L0007-0-16 | REV. A

COMETCHIPS, [160,1271]MBA16.DPL, SCALE 2, 'D' RELEASE BOX
COMETCHIPS MBA16.PLO[160,1271] 31-DEC-80 09:19



REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. RCAFC — DATE 21-NOV-80 — ENG. — DATE — TITLE: MBA17 PWR - GND, DECOUPLING

CHK'D. — DATE — BOARD LOCATION: AC7 — SHEET 1 OF 1

[160,1271]MBA17.DRW — 21-NOV-80 08:10 — NEXT HIGHER ASSEMBLY: B-DD-L0007-0

FIRST USED ON OPTION/MODEL: RH750

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-17	A

COMETCHIPS, [160,1271]MBA17.DPL, SCALE 2, "D" RELEASE BOM
COMETCHIPS MBA17.PLO[160,1271] 31-DEC-80 09:19

SIGNAL NAME	PAGE NUMBER(S)
CMI ARB 4 L	13
CMI ARB 5 L	13
CMI ARB 6 L	13
CMI ARB 7 L	13
CMI DATA 00 H	15
CMI DATA 01 H	15
CMI DATA 02 H	15
CMI DATA 03 H	15
CMI DATA 04 H	15
CMI DATA 05 H	15
CMI DATA 06 H	15
CMI DATA 07 H	15
CMI DATA 08 H	14
CMI DATA 09 H	14
CMI DATA 10 H	14
CMI DATA 11 H	14
CMI DATA 12 H	14
CMI DATA 13 H	14
CMI DATA 14 H	14
CMI DATA 15 H	14
CMI DATA 16 H	15
CMI DATA 17 H	15
CMI DATA 18 H	15
CMI DATA 19 H	15
CMI DATA 20 H	15
CMI DATA 21 H	15
CMI DATA 22 H	15
CMI DATA 23 H	15
CMI DATA 24 H	14
CMI DATA 25 H	14,12
CMI DATA 26 H	14,12
CMI DATA 27 H	14,12
CMI DATA 28 H	16,14
CMI DATA 29 H	16,14
CMI DATA 30 H	16,14
CMI DATA 31 H	16,14
CMI DBB2 L	12,13,4
CMI HOLD L	13
CMI STATUS 00 L	12
CMI STATUS 01 L	12
CMI WAIT L	12
DPM17 B CLK L	3
MI MBA ARB 0 [A] L	13
MI MBA ARB 1 [A] L	13
MASS ATTN [A] H	10
MASS ATTN [A] L	10
MASS C0 [A] H	8
MASS C0 [A] L	8
MASS C1 [A] H	8
MASS C1 [A] L	8

SIGNAL NAME	PAGE NUMBER(S)
MASS C10 [A] H	8
MASS C10 [A] L	8
MASS C11 [A] H	8
MASS C11 [A] L	8
MASS C12 [A] H	9
MASS C12 [A] L	9
MASS C13 [A] H	9
MASS C13 [A] L	9
MASS C14 [A] H	9
MASS C14 [A] L	9
MASS C15 [A] H	9
MASS C15 [A] L	9
MASS C2 [A] H	8
MASS C2 [A] L	8
MASS C3 [A] H	8
MASS C3 [A] L	8
MASS C4 [A] H	8
MASS C4 [A] L	8
MASS C5 [A] H	8
MASS C5 [A] L	8
MASS C6 [A] H	8
MASS C6 [A] L	8
MASS C7 [A] H	8
MASS C7 [A] L	8
MASS C8 [A] H	8
MASS C8 [A] L	8
MASS C9 [A] H	8
MASS C9 [A] L	8
MASS CPA [A] H	9
MASS CPA [A] L	9
MASS CTOD [A] H	9
MASS CTOD [A] L	9
MASS D0 [A] H	6
MASS D0 [A] L	6
MASS D1 [A] H	6
MASS D1 [A] L	6
MASS D10 [A] H	6
MASS D10 [A] L	6
MASS D11 [A] H	6
MASS D11 [A] L	6
MASS D12 [A] H	7
MASS D12 [A] L	7
MASS D13 [A] H	7
MASS D13 [A] L	7
MASS D14 [A] H	7
MASS D14 [A] L	7
MASS D15 [A] H	7
MASS D15 [A] L	7
MASS D16 [A] H	7
MASS D16 [A] L	7

SIGNAL NAME	PAGE NUMBER(S)
MASS D17 [A] H	7
MASS D17 [A] L	7
MASS D2 [A] H	6
MASS D2 [A] L	6
MASS D3 [A] H	6
MASS D3 [A] L	6
MASS D4 [A] H	6
MASS D4 [A] L	6
MASS D5 [A] H	6
MASS D5 [A] L	6
MASS D6 [A] H	6
MASS D6 [A] L	6
MASS D7 [A] H	6
MASS D7 [A] L	6
MASS D8 [A] H	6
MASS D8 [A] L	6
MASS D9 [A] H	6
MASS D9 [A] L	6
MASS DEM [A] H	10
MASS DEM [A] L	10
MASS DPA [A] H	7
MASS DPA [A] L	7
MASS DS0 [A] H	10
MASS DS0 [A] L	10
MASS DS1 [A] H	10
MASS DS1 [A] L	10
MASS DS2 [A] H	10
MASS DS2 [A] L	10
MASS EBL [A] H	7
MASS EBL [A] L	7
MASS EXC [A] H	9
MASS EXC [A] L	9
MASS FAIL H	9
MASS INIT [A] H	10
MASS INIT [A] L	10
MASS OCC [A] H	9
MASS OCC [A] L	9
MASS RS0 [A] H	10
MASS RS0 [A] L	10
MASS RS1 [A] H	10
MASS RS1 [A] L	10
MASS RS2 [A] H	10
MASS RS2 [A] L	10
MASS RS3 [A] H	10
MASS RS3 [A] L	10
MASS RS4 [A] H	10
MASS RS4 [A] L	10
MASS RUN [A] H	7
MASS RUN [A] L	7
MASS SCLK [A] H	7

NOTES:
1. THIS PAGE LISTS THE SCHEMATIC PAGE NUMBER(S) WHERE A SIGNAL NAME IS REFERENCED.

REVISIONS		
CHK	CHANGE NO.	REV

DRN. DJ 7000	DATE 05-DEC-88	ENG.	DATE
CHK'D.	DATE	BOARD LOCATION: AC7	
		SHEET OF	
(160,127) MBA18.DRW	05-DEC-88 13:13	NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL: RH750		B-DD-L0007-0	

TITLE: MBA18 FORWARD REFERENCE

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-18	A

COMETCHIPS, (160,127) MBA18.DPL, SCALE 2. D RELEASE ROW
COMETCHIPS MBA18.PLO(160,127) 31 DEC 88 09:19

SIGNAL NAME	PAGE NUMBER(S)
MASS SCLK [A] L	7
MASS TRA H	10
MASS TRA L	10
MASS WCLK [A] H	7
MASS WCLK [A] L	7
MBA ADD JMPR 0 [A] H	13,14
MBA ADD JMPR 1 [A] H	13,14
MBA ADD OK H	15,14,12,3
MBA ARB [A] L	13
MBA DO CMI MASTER H	13,12
MBA IBUS 0 H	12,15,4,2,1
MBA IBUS 1 H	12,15,2,1
MBA IBUS 10 H	14,12,3,1,11,2
MBA IBUS 11 H	12,4,14,3,1,11,2
MBA IBUS 12 H	14,12,3,2,1,11
MBA IBUS 13 H	14,12,3,2,1,11
MBA IBUS 14 H	12,14,3,2,1,11,4
MBA IBUS 15 H	14,3,1,11,4
MBA IBUS 16 H	15,12,11,3,1
MBA IBUS 17 H	15,12,11,1
MBA IBUS 18 H	15,12,11,1
MBA IBUS 19 H	15,12,11,1
MBA IBUS 2 H	15,12,2,1
MBA IBUS 20 H	15,11,1
MBA IBUS 21 H	15,4,16,11,2
MBA IBUS 22 H	12,15,11,2
MBA IBUS 23 H	15,12,11,2
MBA IBUS 24 H	14,11
MBA IBUS 25 H	4,14,16,11
MBA IBUS 26 H	4,14,11
MBA IBUS 27 H	4,16,14,11
MBA IBUS 28 H	16,14,12
MBA IBUS 29 H	16,14,12
MBA IBUS 3 H	15,12,2,1
MBA IBUS 30 H	16,14,12
MBA IBUS 31 H	12,16,14,2
MBA IBUS 4 H	15,12,2,1
MBA IBUS 5 H	15,16,12,4,2,1
MBA IBUS 6 H	12,15,16,2,1
MBA IBUS 7 H	15,16,12,2,1
MBA IBUS 8 H	14,12,1,11,2
MBA IBUS 9 H	14,12,3,1,11,2
MBA INTER L	11,12
MBA LATCHED ADD 0 H	1
MBA LATCHED ADD 1 H	1
MBA LATCHED ADD 2 H	13,15,12,3,4
MBA LATCHED ADD 3 H	13,15,12,3,4
MBA LATCHED ADD 4 H	15,12,3,4,13
MBA LATCHED ADD 5 H	15,4,13,3
MBA LATCHED ADD 6 H	13,4,15,3

SIGNAL NAME	PAGE NUMBER(S)
MBA LATCHED ADD 7 H	13,15,4,3
MBA MB BC 9:4 EQ -1 H	15,11,14
MBA MB DPA H	12,7
MBA MSC DO CMI CYC H	13,12
MBA SILO 0 H	5,15
MBA SILO 1 H	5,15
MBA SILO 10 H	5,14
MBA SILO 11 H	5,14
MBA SILO 12 H	5,14
MBA SILO 13 H	5,14
MBA SILO 14 H	5,14
MBA SILO 15 H	5,14
MBA SILO 2 H	5,15
MBA SILO 3 H	5,15
MBA SILO 4 H	5,15
MBA SILO 5 H	5,15
MBA SILO 6 H	5,15
MBA SILO 7 H	5,15
MBA SILO 8 H	5,14
MBA SILO 9 H	5,14
MBA SILO PAR 0 H	5,12
MBA SILO PAR 1 H	5,12
MBA01 MAP 0 H	1
MBA01 MAP 1 H	1
MBA01 MAP 10 H	1
MBA01 MAP 11 H	1
MBA01 MAP 2 H	1
MBA01 MAP 3 H	1
MBA01 MAP 4 H	1
MBA01 MAP 5 H	1
MBA01 MAP 6 H	1
MBA01 MAP 7 H	1
MBA01 MAP 8 H	1
MBA01 MAP 9 H	1
MBA02 MAP 12 H	2
MBA02 MAP 13 H	2
MBA02 MAP 14 H	2
MBA02 MAP 31 H	2
MBA02 MAP PAR L	2
MBA02 MAP PE H	12,2
MBA03 CLK EXT CS L	3,4
MBA03 CLK MAINT L	3,11
MBA03 CLK MAP L	3,2,1
MBA03 CLK VAR L	3,11
MBA03 EN FORCE H	13,3
MBA03 LD MAP L	11,3
MBA03 LD VAR L	3
MBA03 MAP ADD 0 H	3,2,1
MBA03 MAP ADD 1 H	3,2,1
MBA03 MAP ADD 2 H	3,2,1

SIGNAL NAME	PAGE NUMBER(S)
MBA03 MAP ADD 3 H	3,2,1
MBA03 MAP ADD 4 H	3,2,1
MBA03 MAP ADD 5 H	3,2,1
MBA03 MAP ADD 6 H	3,2,1
MBA03 MAP ADD 7 H	3,2,1
MBA03 MBA ADD L	3,12
MBA03 MBA CLK DLY H	3
MBA03 MBA CLK H	5,13,4,3,10,7,9,11,16
MBA03 MBA CLK L	13,12,15,5,11,3,14,4
MBA03 MDP IBUS RW H	12,15,14,3
MBA03 PREV DT BUSY H	0
MBA03 PREV DT BUSY L	3,12
MBA03 RD MAINT L	11,3
MBA03 RD MAP L	3,1,2
MBA03 RD MAP ROTATED L	4,16,3,1,2
MBA03 RD VAR L	3,11
MBA03 RUN H	13,5,3,11,7
MBA03 RUN L	5,3,4,11
MBA03 SILO CLK DLY H	12,5,3
MBA03 VAR 10 H	3
MBA03 VAR 11 H	3
MBA03 VAR 12 H	3
MBA03 VAR 13 H	3
MBA03 VAR 14 H	3
MBA03 VAR 15 H	3
MBA03 VAR 16 H	3
MBA03 VAR 9 H	3
MBA04 ADD 6-5 EQ L	4,12
MBA04 ADD 9-7 EQ L	12,4
MBA04 BG IN H	4
MBA04 BG OUT H	4
MBA04 BG OUT L	4
MBA04 BG SYNC H	1
MBA04 BG SYNC L	4,12
MBA04 BR H	4
MBA04 D SEL 0 H	10,4
MBA04 D SEL 1 H	4,10
MBA04 D SEL 2 H	4,10
MBA04 DC LO SYNC H	12,4
MBA04 MBA DBB2 H	15,14,4
MBA04 PAR H	0
MBA04 PAR L	4,12
MBA04 R SEL 0 H	10,4
MBA04 R SEL 1 H	10,4
MBA04 R SEL 2 H	10,4
MBA04 R SEL 3 H	10,4
MBA04 R SEL 4 H	10,4
MBA04 SLOW CMI L	12,4
MBA04 TRA SYNC L	12,4
MBA04 VECT 2 H	4,13

NOTES:
1. THIS PAGE LISTS THE SCHEMATIC PAGE NUMBER(S) WHERE A SIGNAL NAME IS REFERENCED.

REVISIONS		
CHK	CHANGE NO.	REV

DRN. DG MBAA	DATE 05-DEC-80	ENG.	DATE	TITLE: MBA19 FORWARD REFERENCE	
CHK'D.	DATE	BOARD LOCATION: AC7 SHEET OF			
[160,1271]MBA19.DRW	05-DEC-80 13:18	NEXT HIGHER ASSEMBLY:		SIZE D	CODE CS
FIRST USED ON OPTION/MODEL: RH750		B-DD-L0007-0		NUMBER L0007-0-19	REV. A

COMETCHIPS, [160,1271]MBA19.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA19.PLO[160,1271] 31-DEC-80 09:19

SIGNAL NAME	PAGE NUMBER(S)
MBA04 VECT 3 H	4,13
MBA05 DT WRITE L	5,6
MBA05 GATED SCLK H	12,15,5,14
MBA05 MDP SCLK SYNC L	5,15,14
MBA05 SCLK SYNC L	12,5
MBA05 SILO OUT 0 L	5
MBA05 SILO OUT 1 L	5
MBA05 SILO OUT 10 L	5
MBA05 SILO OUT 11 L	5
MBA05 SILO OUT 12 L	5
MBA05 SILO OUT 13 L	5
MBA05 SILO OUT 14 L	5
MBA05 SILO OUT 15 L	5
MBA05 SILO OUT 2 L	5
MBA05 SILO OUT 3 L	5
MBA05 SILO OUT 4 L	5
MBA05 SILO OUT 5 L	5
MBA05 SILO OUT 6 L	5
MBA05 SILO OUT 7 L	5
MBA05 SILO OUT 8 L	5
MBA05 SILO OUT 9 L	5
MBA05 SILO PAR OUT 0 L	5
MBA05 SILO PAR OUT 1 L	5
MBA05 SILO ROTATE H	5
MBA05 SILO SEL 0 L	5
MBA05 SILO SEL 1 L	5
MBA05 SILO WE L	5
MBA06 DT WRITE + MM H	7,6
MBA06 MB DATA IN EN L	6,7
MBA07 EBL SYNC H	12,7,9
MBA07 MM H	13,9,7,4
MBA07 REC MB EBL H	7
MBA07 REC MB SCLK L	5,7
MBA07 REC MB WCLK L	7,11
MBA07 RUN NO ABORT A H	6,7
MBA07 RUN NO ABORT B H	6,7
MBA08 CTOD + MM H	8,9
MBA08 CTOD L	8
MBA09 EXC SYNC L	12,9
MBA09 OCC SYNC H	12,9
MBA09 REC CTOD H	9,11
MBA09 REC EXC H	9,11
MBA09 REC FAIL L	9,11
MBA09 REC MC PAR H	12,9
MBA10 ATTN SYNC H	12,10
MBA10 REC MB DS0 L	10,11
MBA10 REC MB DS1 L	10,11
MBA10 REC MB DS2 L	10,11
MBA10 REC MB RS0 L	10,11
MBA10 REC MB RS1 L	10,11

SIGNAL NAME	PAGE NUMBER(S)
MBA10 REC MB RS2 L	10,11
MBA10 REC MB RS3 L	10,11
MBA10 REC MB RS4 L	10,11
MBA10 TRA REC H	4,10
MBA11 DT BUSY 1SHOT H	12,11
MBA11 LAST CMI XFER H	12,11
MBA11 LAST TRANS H	12,15,11
MBA11 MB BC EQ -1 H	11
MBA11 MB INIT H	11,10
MBA11 SET IBC INTER H	11
MBA11 SIMULATE ATTN H	11
MBA11 SIMULATE ATTN L	11,10
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MBA12 SILO ADDRESS 4 H	5,12
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NOTES:
1. THIS PAGE LISTS THE SCHEMATIC PAGE NUMBER(S) WHERE A SIGNAL NAME IS REFERENCED.

REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. DG 7000A | DATE 17-SEP-81 | ENG. | DATE
CHK'D. | DATE | BOARD LOCATION: AC2 SHEET OF
[168,1271]MBA20.DRW | 17-SEP-81 09:10 | NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: RH750 | B-DD-L0007-0

TITLE: MBA20 FORWARD REFERENCE

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-20	B

COMETCHIPS, [168,1271]MBA20.DPL, SCALE 2, "D" RELEASE BOM
COMETCHIPS MBA20.PLO[168,1271] 17-SEP-81 09:24

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MBA14 MB 12 H	14,7
MBA14 MB 13 H	14,7
MBA14 MB 14 H	14,7
MBA14 MB 15 H	14,7
MBA14 MB 8 H	14,6
MBA14 MB 9 H	14,6
MBA14 MB BC 15:10 -1 H	11,14
MBA14 MB CRY 5 H	14
MBA14 MB CRY 6 H	14
MBA14 PAR 4 H	4,14
MBA14 PAR 5 H	4,14
MBA14 PAR 6 H	4,14
MBA14 PAR 7 H	4,14
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MBA15 CB 2 H	15,8,16
MBA15 CB 3 H	15,8,16
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MBA15 CB 5 H	15,16,8
MBA15 CB 6 H	15,16,8
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MBA15 CMI CRY 2 L	15
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MBA15 MB 3 H	15,6
MBA15 MB 4 H	15,6
MBA15 MB 5 H	15,6
MBA15 MB 6 H	15,6
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MBA15 PAR 2 H	4,15
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SIGNAL NAME	PAGE NUMBER(S)
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UBUS BG6 [A+1] H	4
UBUS BG6 [A] H	4
UBUS BG7 [A+1] H	4
UBUS BG7 [A] H	4
UBUS BR4 L	4
UBUS BR5 L	4
UBUS BR6 L	4
UBUS BR7 L	4
UBUS DCLO L	4,9

SIGNAL NAME	PAGE NUMBER(S)

NOTES:
1. THIS PAGE LISTS THE SCHEMATIC PAGE NUMBER(S) WHERE A SIGNAL NAME IS REFERENCED.

REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. MAA
CHK D.
DATE 05-DEC-80
ENG.
DATE
BOARD LOCATION: AC7
SHEET OF
[160,1271]MBA21.DRW 05-DEC-80 13:21
NEXT HIGHER ASSEMBLY: B-DD-L0007-0
FIRST USED ON OPTION/MODEL: RH750

TITLE: MBA21 FORWARD REFERENCE

SIZE	CODE	NUMBER	REV.
D	CS	L0007-0-21	A

COMETCHIPS, [160,1271]MBA21.DPL, SCALE 2, "D" RELEASE BOX
COMETCHIPS MBA21.PLO[160,1271] 31-DEC-80 09:20

NOTE 1: FOLD AS SHOWN WHEN NECESSARY TO COMPENSATE FOR INDIVIDUAL DIMENSIONS OF THE 3 CABLE. IN SOME INSTANCES, NOT ALL CABLES WILL REQUIRE FOLDING. WIDTH OF FOLDING WILL VARY WITH EACH ASSEMBLY.

66.00 REF

±.00 17.00

1(QTY 3)

2(QTY 10)

3

BLACK STRIPE

±.50 2.50

±.12 2.50

±.12 5.25

±.00 8.38

±.00 12.00

±.00 21.50

PLACE APPROXIMATELY AS SHOWN

SEE NOTE 1

21.50 REF

REAR VIEW

1	LABEL, EASLE IDENT		36 8073-00	3
10	TIE CABLE		9007032-00	2
3	CABLE	D-UA-BC16A-8-8	BC16A-07	1
	DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 116)

DECIMALS	GAGES	ANGULAR	FRACTIONS
.X ± .1		± 1°	± 1/64
.XX ± .05			
.XXX ± .010			

DECIMALS NAMED IN INCHES

.XX	.XXX	.XXXX	.XXXXX
.02	.005	.0005	.00005
.03	.010	.0010	.00010
.04	.015	.0015	.00015
.05	.020	.0020	.00020
.06	.025	.0025	.00025
.07	.030	.0030	.00030
.08	.035	.0035	.00035
.09	.040	.0040	.00040
.10	.045	.0045	.00045
.12	.050	.0050	.00050
.15	.060	.0060	.00060
.18	.070	.0070	.00070
.20	.080	.0080	.00080
.25	.090	.0090	.00090
.30	.100	.0100	.00100
.35	.120	.0120	.00120
.40	.140	.0140	.00140
.45	.160	.0160	.00160
.50	.180	.0180	.00180
.60	.200	.0200	.00200
.70	.220	.0220	.00220
.80	.240	.0240	.00240
.90	.260	.0260	.00260
1.00	.280	.0280	.00280
1.20	.300	.0300	.00300
1.40	.320	.0320	.00320
1.60	.340	.0340	.00340
1.80	.360	.0360	.00360
2.00	.380	.0380	.00380
2.50	.400	.0400	.00400
3.00	.420	.0420	.00420
3.50	.440	.0440	.00440
4.00	.460	.0460	.00460
4.50	.480	.0480	.00480
5.00	.500	.0500	.00500
6.00	.520	.0520	.00520
7.00	.540	.0540	.00540
8.00	.560	.0560	.00560
9.00	.580	.0580	.00580
10.00	.600	.0600	.00600

UNLESS OTHERWISE SPECIFIED		APPLICABLE DIMENSIONS APPLY AFTER PLATING	
SURFACE FINISH			
DO NOT SCALE DRAWING			
REMOVE BURRS AND BREAK SHARP CORNERS			
MATERIAL	SEE PARTS LIST		

DRAWN		DATE 2-6-91
CHECKED		DATE 2-6-91
ENGR APPR.		DATE 2/6/91
MFG APPR.		DATE 2/6/91
QUALITY APPR.		DATE 2/6/91
COMMODITY & ENGINEER		
NEXT ASSY		
USED ON	E-UA-RH750-0-0	

THIRD ANGLE PROJECTION

TITLE: CABLE ASSY (RH750)

DOCUMENT NUMBER: AD 708509-0-0

SIZE: E | CODE IDENT: | SHEET: | REV: B

SCALE: | WEIGHT: | SHEET: | REV:

TW