

**KE8-E extended
arithmetic element
engineering drawings**



MASTER DRAWING LIST

MAINTENANCE MANUALS		UNIT VARIATIONS																			
		KE8-E																			
NO.	TITLE	X																			
KE8-E	EXT ARITH ELEM	X																			

USED ON OPTIONS							
PDP8-E							
PDP8-M							
PDP8-F							

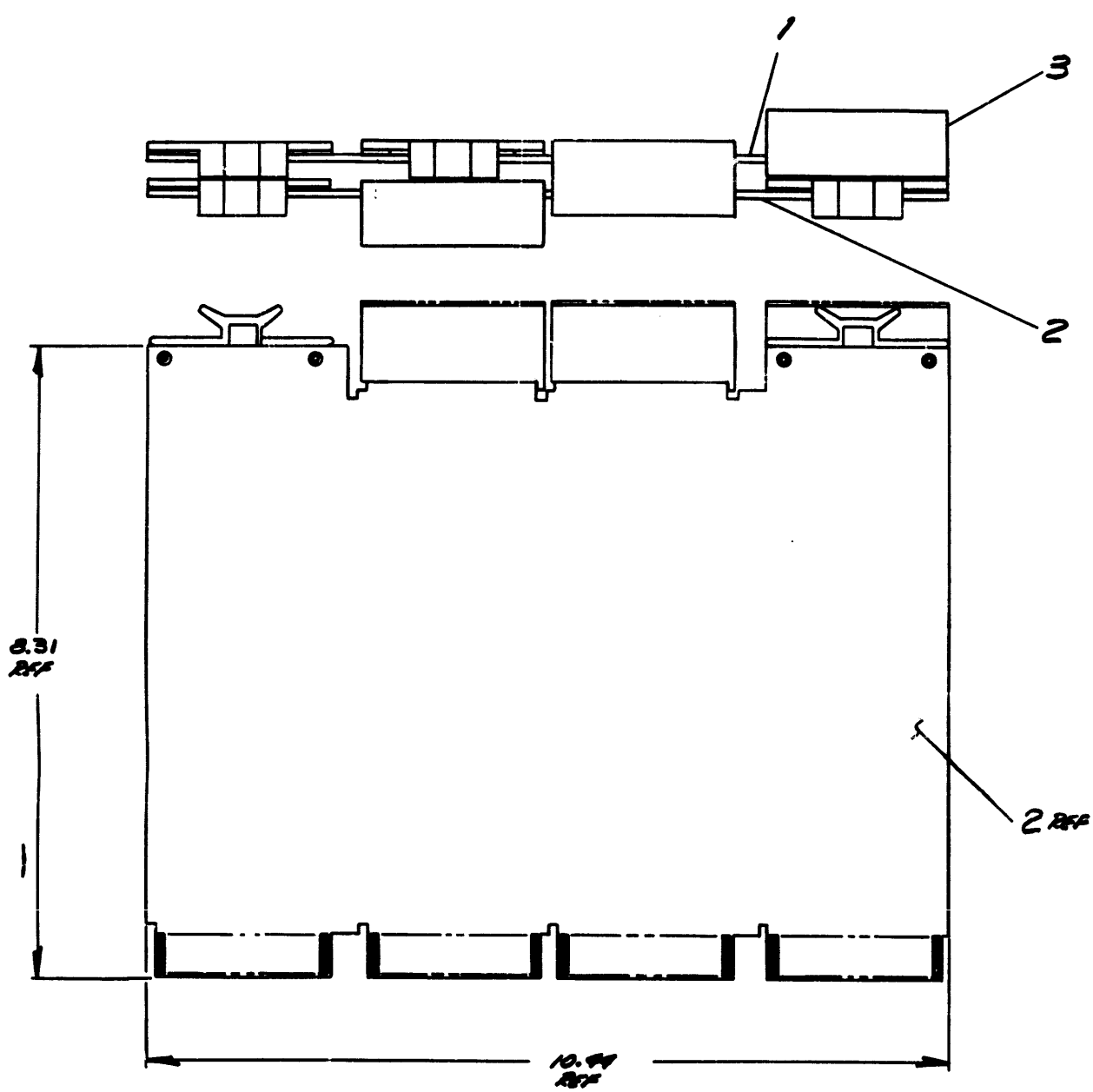
REVISIONS	REV.	DATE	CHG. NO.	APP'D.	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	TITLE		
	A	2/72	KE8-E-00001	<i>[Signature]</i>	K. GULICK	7-26-71				EXTENDED ARITH ELEMENT
B	4/72	KE8-E-00002	<i>[Signature]</i>	K. GULICK	7-26-71					
C	4/72	00003	<i>[Signature]</i>							
					FIRST USED ON					
					PDP8-E		SIZE	CODE	NUMBER	REV.
					SCALE NONE		A	ML	KE8-E	C
					SHEET 1 OF 2		DIST.			

PRINT SET				REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
KE8-E							
X					1	EXTENDED ARITH ELEMENT	
X					1	EXTENDED ARITH ELEMENT (PL)	
X				#	2	DECODER & STEP COUNTER EAE	
X				#	3	MULTIPLEXER & TIMING GEN EAE	
X					1	H851 EDGE CONNECTOR	MM8-E
X					1	EAE FLOW DIAGRAM	
X				A	1	ROM ENCODING FOR EAE CONT	
-						DEC 8E DOLA-PB	
-						DEC 8E DOLA-D	
-						DEC 8E DOLA-PB	
-						DEC 8E DOLA-D	
-						KE8/E EAE INSTRUCTION TEST 1	
-						KE8/E EAE INSTRUCTION TEST 1	
-						KE8/E EAE INSTRUCTION TEST 2	
-						KE8/E EAE INSTRUCTION TEST 2	
X					1	ENGINEERING SPECIFICATIONS	
-					1	ACCEPTANCE PROCEDURE	
-					1	CHECKOUT PROCEDURE	
X					1	ACCESSORY LIST	

TITLE	EXTENDED ARITH ELEMENT	SHEET 2 OF 2	SIZE	CODE	NUMBER	REV.
			A	ML	KE8-E	C

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DUA KE8-E-Ø 2



REV	
CHANGE NO.	
CHK	

DEC FORM NO 8
ORD 100-A

FIRST USED ON OPTION/MODEL PDP8-E	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DATE <i>[Signature]</i> 7/21/71	DATE 7/21/71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .005 .XX .02 .X .1	DATE 7/21/71	DATE 7/21/71		
ANGLES ±0° 30'	DATE 8/18/71	DATE 8/18/71	TITLE EXTENDED ARITH ELEMENT	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	DATE 8/18/71	DATE 8/18/71		
MATERIAL	NEXT HIGHER ASSY.	SCALE	SIZE CODE	NUMBER
FINISH	SHEET 1 OF 1	DIST. G	DUA KE8-E-Ø	REV.

DUA KE8-E-Ø

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

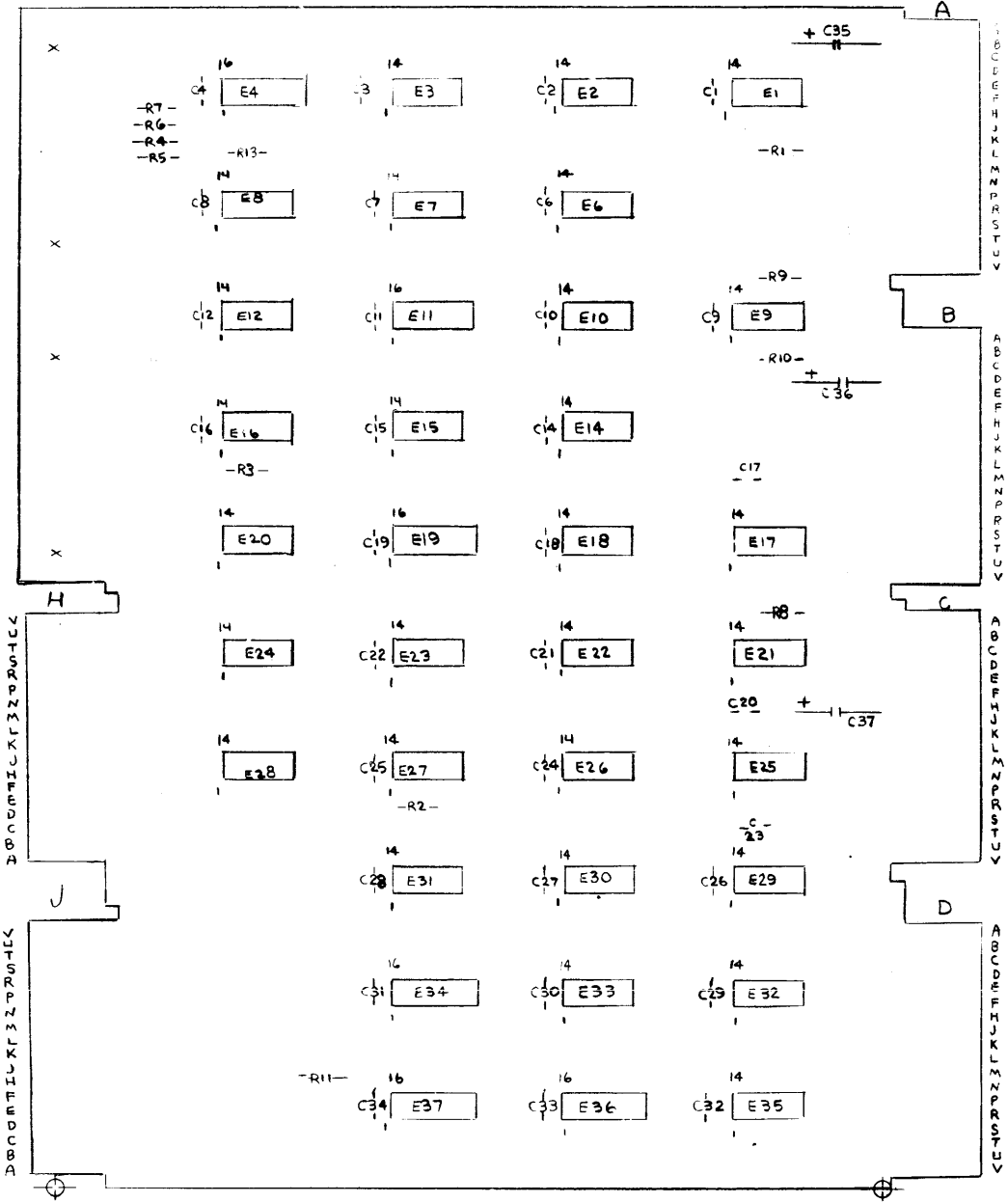
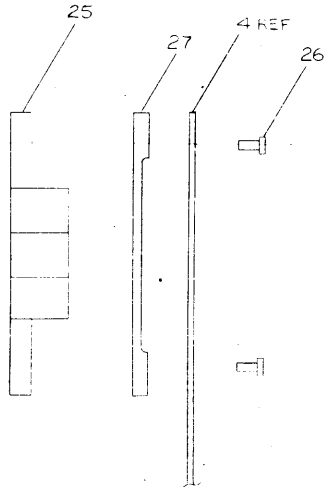
PARTS LIST

MADE BY KEN GULICK	CHECKED KEN GULICK	SECTION
DATE 7/29/71	DATE 7/29/71	1
ENG <i>Richard W. Thomas</i>	PROD <i>R. Peterson</i>	ISSUED SECT.
DATE 8/18/71	DATE 8/18/71	1

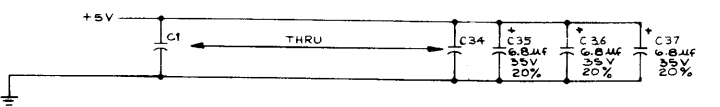
QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	KE8-E											
1	E-CS-M8340-0-1	DECODER & STEP COUNTER EAE	1											
2	E-CS-M8341-0-1	MULTIPLEXER & TIMING GEN. EAE	1											
3	B-UA-H851-0-0	H851 EDGE CONNECTOR	3											
TITLE EXTENDED ARITH ELEMENT		ASSY NO. D-UA-KE8-E-0	SIZE A	CODE PL	NUMBER KE8-E-0	REV.	ECO NO.							
		SHEET 1 OF 1	DIST.	G										

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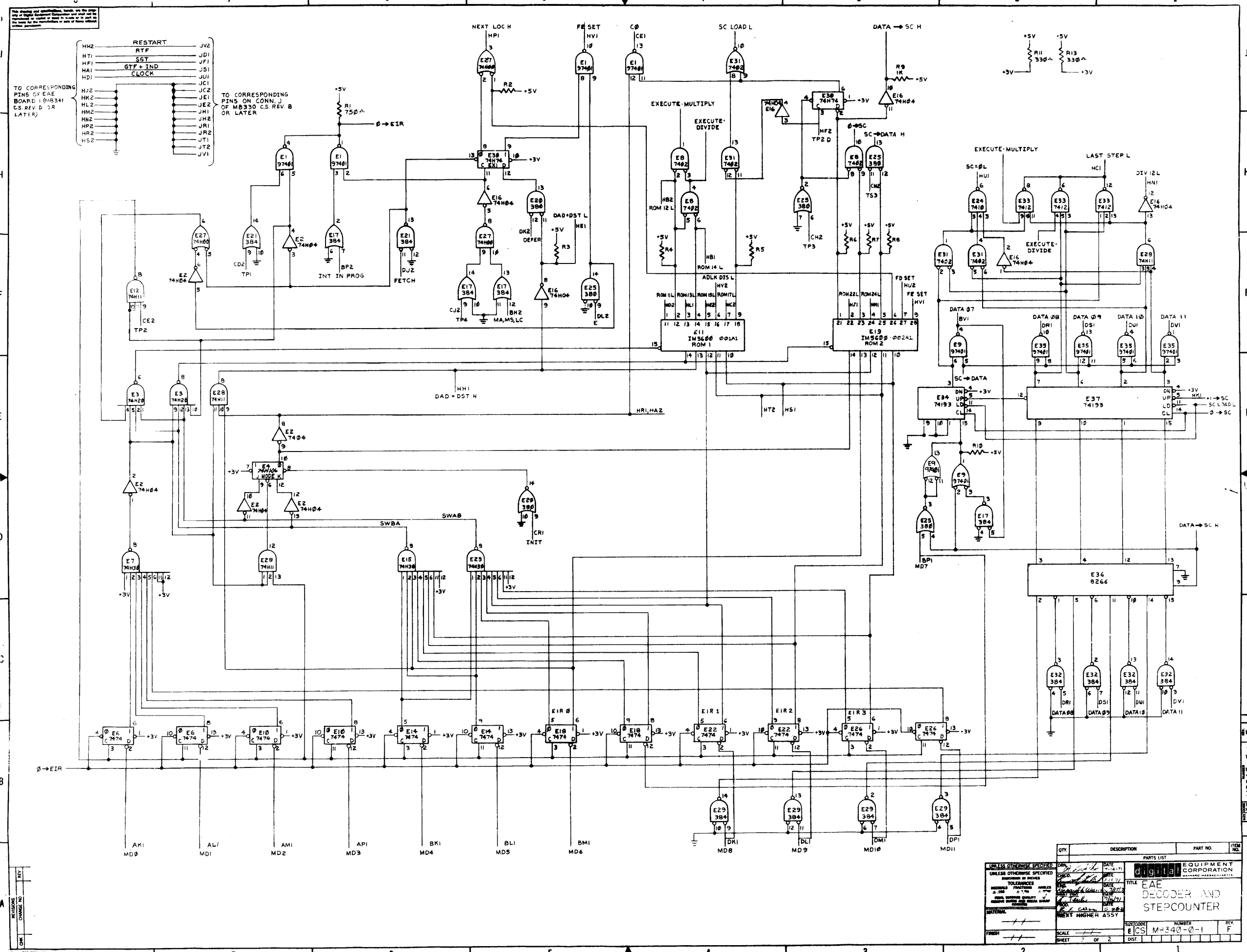
BC1, CC1, DC1,
AC2, BC2, CC2, DC2,
AF1, BF1, CF1, DF1,
AF2, BF2, CF2, DF2,
AN1, BN1, CN1, DN1,
AN2, BN2, CN2, DN2,
AT1, BT1, CT1, DT1,
AT2, BT2, CT2, DT2,



IC TYPE	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
DEC 74193	8	16							
DEC 8271	8	16							
DEC 384	1	8							
DEC 380	1	8							
DEC 7476	5	13							

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	E11	IC IM5600	23-001A1	33
6	E6, E10, E14, E18, E22, E26	IC DEC 7474	1905547	32
2	E2, E16	IC DEC 74H04	1909931	31
1	E27	IC DEC 74H00	1909056	30
1	R1	RESISTOR 750 1/4W 5%	1301401	29
2		GRIPLET	1202940	28
2		SPACER (CABLE CLAMP)	1202704	27
4		EYELET 654-11 STIMPSON	9006750	26
2		HANDLE FLIP CHIP MAGENTA	9008337.06	25
1	E4	IC DEC 74H106	1910408	24
1	E24	IC DEC 7410	1905576	23
1	E33	IC DEC 7412	1909955	22
2	E34, E37	IC DEC 74193	19010018	21
1	E36	IC DEC 8266	1909934	20
2	E28, E12	IC DEC 74411	1909267	19
1	E3	IC DEC 74H20	1905635	18
				17
4	E17, E21, E29, E32	IC DEC 384	1909486	16
2	E8, E31	IC DEC 7402	1909004	15
1	E30	IC DEC 74H74	1909667	14
3	E7, E15, E23	IC DEC 74H30	1909059	13
3	E1, E9, E35	IC DEC 97401	1909973	12
2	E20, E25	IC DEC 380	1909485	11
1	E19	IC IM 5600	23-001A1	10
2	R11, R13	RESISTOR 330 1/4W 5%	1300295	9
1	R9	RESISTOR 1K 1/4W 5%	1300365	8
8	R2-R8, R10	RESISTOR 470 1/4W 10%	1300317	7
3	C35, C36, C37	CAP 0.01UF 35V 20% TANT	1000067	6
32	C1-C4, C6-C12, C14-C34	CAP 0.01UF 100V 20% DISC	1001610	5
1		ETCHED BOARD	5009608	4
REF		MODULE ECO HISTORY	B-MH-MB340-01	3
REF		ASSY/DRILLING HOLE LAYOUT	DAM-MB340-01	2
REF		X-Y COORDINATE HOLE LOCATION	KCD-MB340-01	1

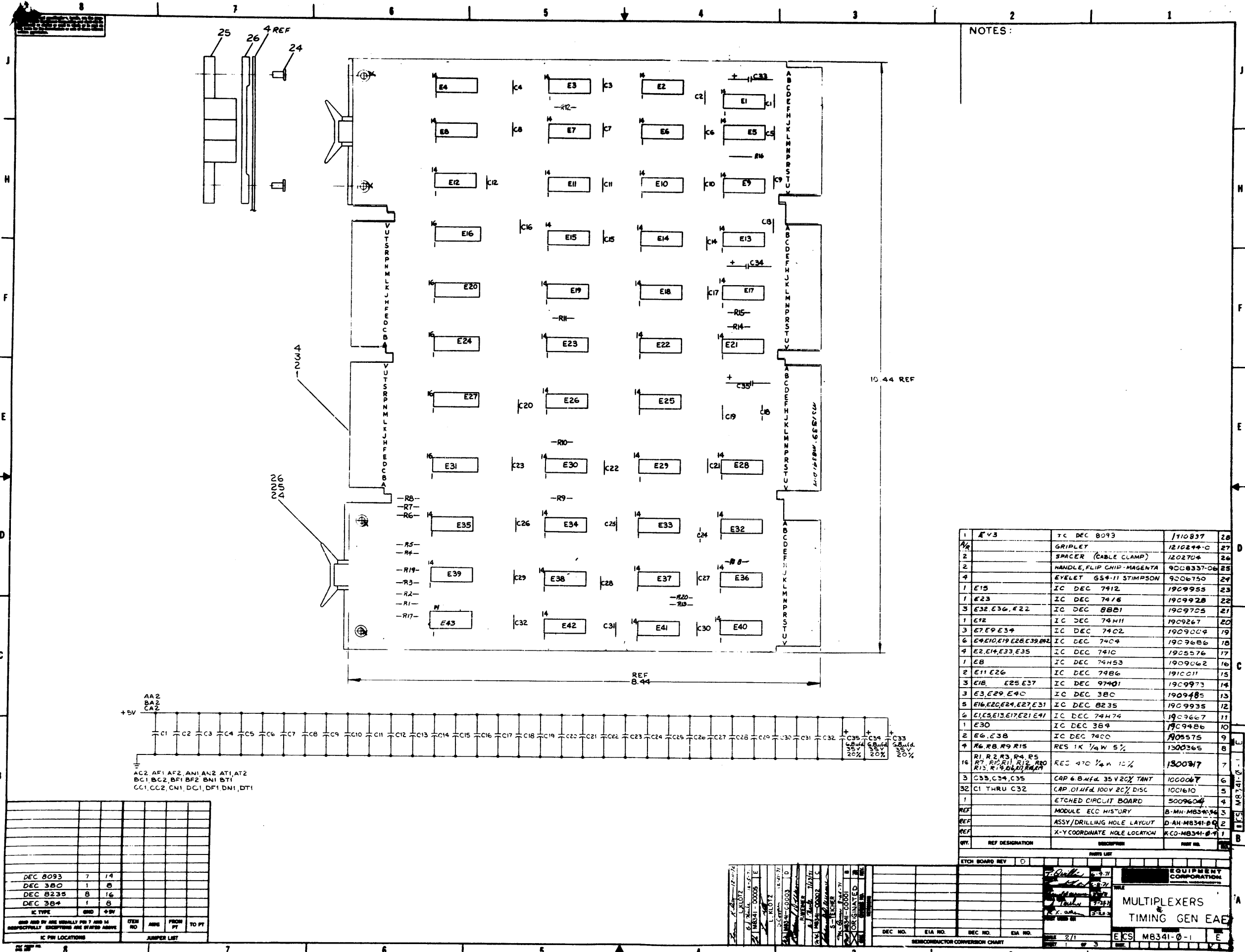
EQUIPMENT CORPORATION
 TITLE: **EAE DECODER & STEP COUNTER**
 DATE: 5/26/77
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DESIGNED BY: [Signature]
 APPROVED BY: [Signature]
 SEMICONDUCTOR CONVERSION CHART
 SHEET 1 OF 2
 DEC NO: [] EIA NO: [] DEC NO: [] EIA NO: []
 SCALE: 2:1
 PART USED ON: []
 DATE: []
 DWT: []



QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
1	ASSEMBLY		1
1	RESISTOR	R11	2
1	RESISTOR	R13	3
1	RESISTOR	R2	4
1	RESISTOR	R3	5
1	RESISTOR	R4	6
1	RESISTOR	R5	7
1	RESISTOR	R6	8
1	RESISTOR	R7	9
1	RESISTOR	R8	10
1	RESISTOR	R9	11
1	RESISTOR	R10	12
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1	RESISTOR	R15	15
1	RESISTOR	R16	16
1	RESISTOR	R17	17
1	RESISTOR	R18	18
1	RESISTOR	R19	19
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1	RESISTOR	R97	97
1	RESISTOR	R98	98
1	RESISTOR	R99	99
1	RESISTOR	R100	100

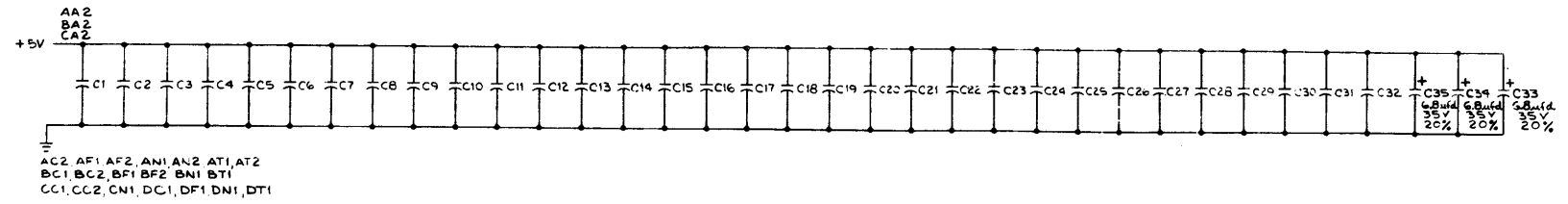
EAE CS M3340-0-1

REV	CHG	DATE	BY
1			



NOTES:

1	E13	IC DEC 8093	1110837	28
2		GRIPLEY	1210244-C	27
2		SPACER (CABLE CLAMP)	1202704	26
2		HANDLE, FLIP CHIP-MAGENTA	9008337-06	25
4		EYELET 654-11 STIMPSON	9006750	24
1	E15	IC DEC 7412	1909955	23
1	E23	IC DEC 7416	1909928	22
3	E32, E36, E22	IC DEC 88B1	1909705	21
1	E12	IC DEC 7411	1909267	20
3	E7, E9, E34	IC DEC 7402	1909009	19
6	E4, E10, E19, E28, E38, E42	IC DEC 7409	1909368	18
4	E2, E14, E33, E35	IC DEC 7410	1905576	17
1	E8	IC DEC 7453	1909062	16
2	E11, E26	IC DEC 7486	1910011	15
3	E18, E25, E37	IC DEC 97401	1909973	14
3	E3, E29, E40	IC DEC 38C	1909485	13
8	E16, E20, E24, E27, E31	IC DEC 8235	1909935	12
6	E15, E13, E17, E21, E41	IC DEC 74474	1909667	11
1	E30	IC DEC 384	1909486	10
2	E6, E38	IC DEC 7400	1905575	9
4	R6, R8, R9, R15	RES 1K 1/4W 5%	1300365	8
16	R1, R2, R3, R4, R5, R7, R10, R11, R12, R20, R13, R14, R16, R17, R18	RES 470 1/4W 10%	1300317	7
3	C33, C34, C35	CAP 6.8ufd 35V 20% TANT	1000067	6
32	C1 THRU C32	CAP 01ufd 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5009604	4
REF		MODULE ECC HISTORY	B-MH-MB341-0-1	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-MB341-0-1	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-MB341-0-1	1



DEC 8093	7	14		
DEC 380	1	8		
DEC 8235	8	16		
DEC 384	1	8		
IC TYPE	QND	QBV		
QND AND QBV ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTING ARE SHOWN ABOVE				
IC PIN LOCATIONS				
JUMPER LIST				
ITEM NO	AWG	FROM PT	TO PT	

ETCH BOARD REV: [] PARTS LIST: []

DATE: 2/1

SEMICONDUCTOR CONVERSION CHART

EQUIPMENT CORPORATION

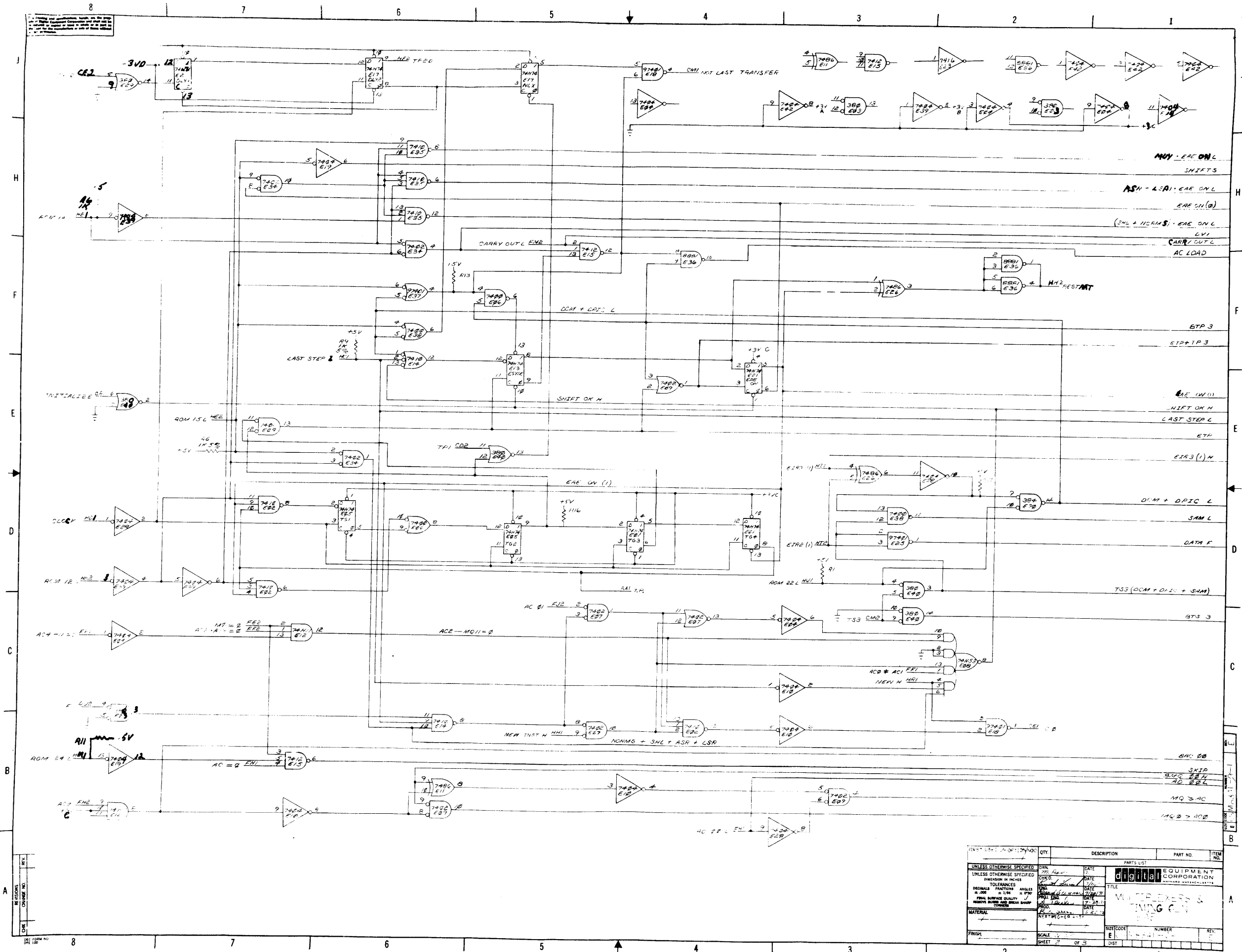
MULTIPLEXERS TIMING GEN EAE

DEC NO. EIA NO. DEC NO. EIA NO.

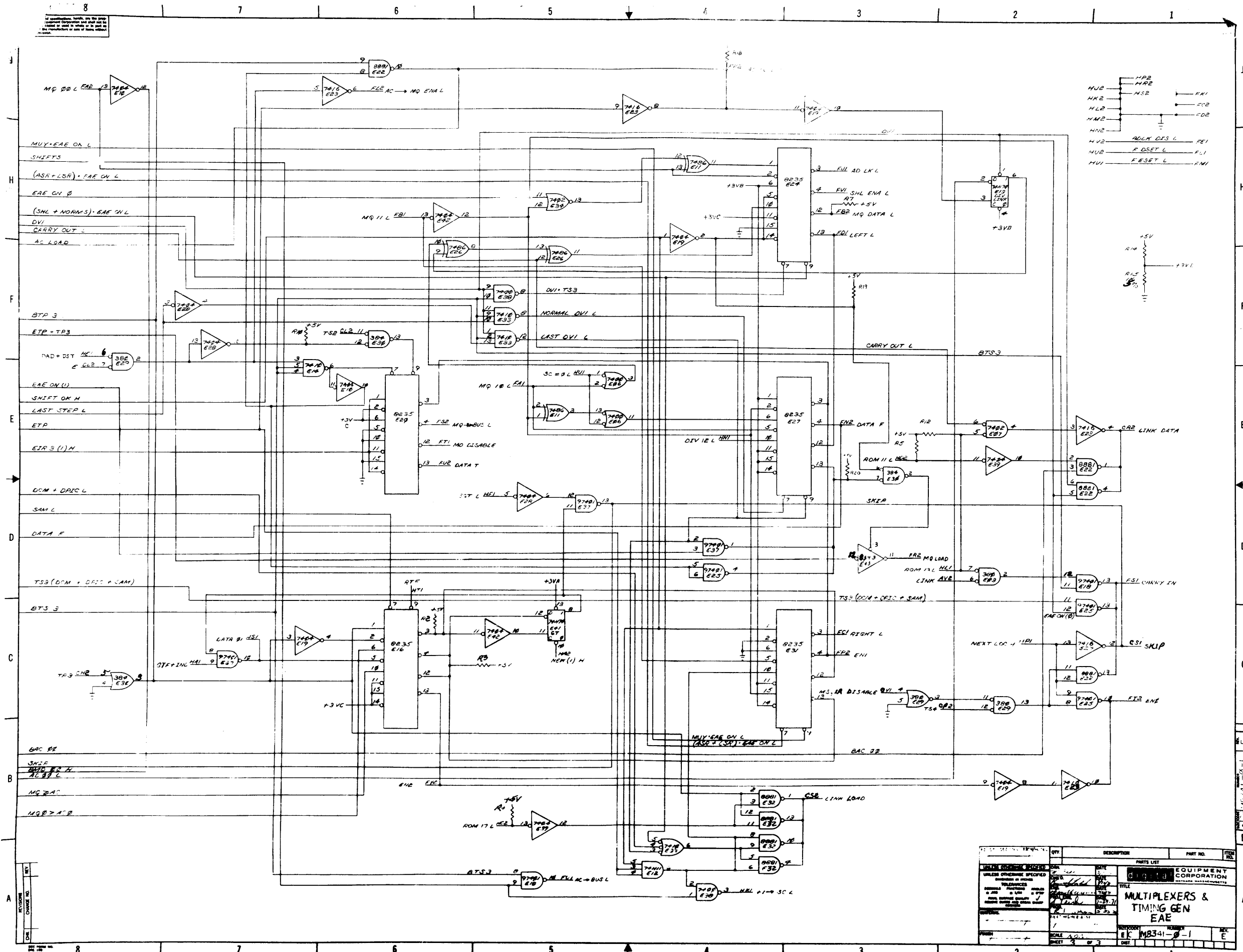
DATE: 2/1

REV: 1

REF: M6341-0-1



REV.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
1				
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION		
UNLESS OTHERWISE SPECIFIED		TITLE		
DIMENSION IN INCHES		MULTEPLEXERS & TIMING CTR		
TOLERANCES		DATE		
DECIMALS FRACTIONS ANGLES		DATE		
±.000 ±.004 ±.010		DATE		
FURNISH SURFACE QUALITY		DATE		
PROVIDE SURFACE AND BEAM BUMP		DATE		
TOLERANCE		DATE		
MATERIAL		DATE		
FINISH		DATE		
SCALE		NUMBER		
SHEET		REV.		



QTY	DESCRIPTION	PART NO.	UNIT
1	7410	7410	IC
1	7411	7411	IC
1	7412	7412	IC
1	7413	7413	IC
1	7414	7414	IC
1	7415	7415	IC
1	7416	7416	IC
1	7417	7417	IC
1	7418	7418	IC
1	7419	7419	IC
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1	7497	7497	IC
1	7498	7498	IC
1	7499	7499	IC
1	7500	7500	IC

EQUIPMENT CORPORATION
 TITLE
MULTIPLEXERS & TIMING GEN EAE
 PART NO. **EC M8341-0-1**
 REV. **E**
 SHEET 2 OF 3

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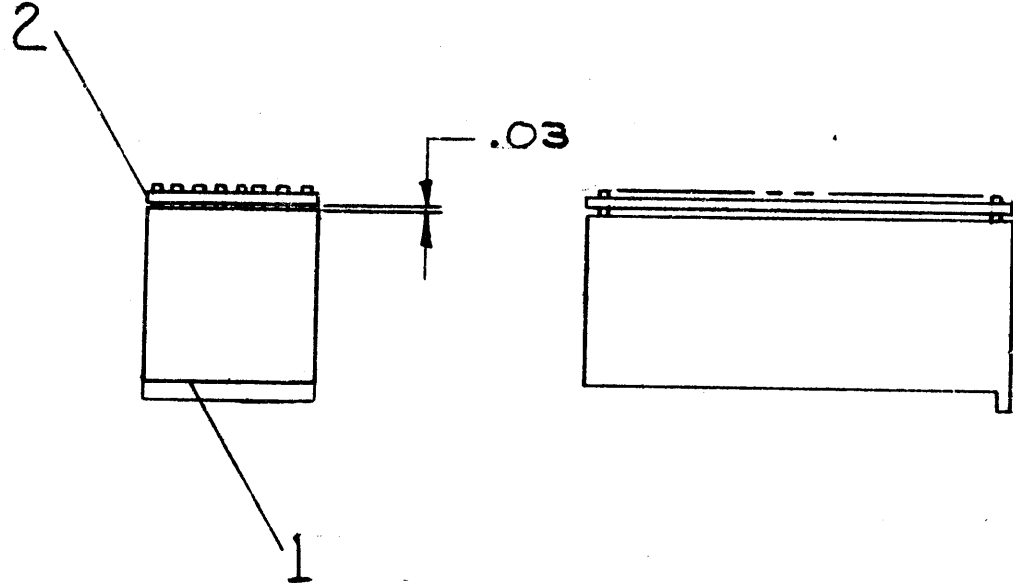
REV. B
 SIZE CODE UA
 NUMBER H851-0-0

2

1

B

B



REF	DESCRIPTION	PART NO.	ITEM NO.
REF	MODULE ECO HISTORY	B-MH-H851-0-6	5
REF	ASSY HOLE LAYOUT	C-AH-H851-0-5	4
REF	CIRCUIT SCHEMATIC	B-CS-H851-0-1	3
1	ETCH BOARD	D-IA-5008903-0-0	2
1	CONN BLOCK, 72 PIN	1210152	1

FIRST USED ON OPTION/MODEL
 H851

UNLESS OTHERWISE SPECIFIED
 DIMENSION IN INCHES
 TOLERANCES
 ANGLES ± 0°30'
 FINAL SURFACE QUALITY
 REMOVE BURRS AND BREAK SHARP CORNERS

TOLERANCES DECIMALS
 .XXX = ± .005
 .XX = ± .02
 .X = ± .1

MATERIAL
 _____ # _____
 FINISH
 _____ # _____

DRN. *H. Flandin* DATE 7/28/70
 CHK'D. *R. Pires* DATE 8/13/70
 ENG. *Jack Prime* DATE 8-13-70
 PROJ. ENG. *Jack Prime* DATE 8-13-70
 PROD. *W. Miller* DATE 8-13-70

digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE
 H851
 EDGE CONNECTOR

SCALE _____ # _____
 SHEET 1 OF 1

SIZE CODE B UA NUMBER H851-0-0 REV. B
 DIST. G

REVISIONS	CHANGE NO.	REV.
	H851-00001	A
<i>12-10-70 P. GARDNER</i>		
<i>12-14-70 P. GARDNER</i>		
	H851-00002	B
<i>8-3-72 B. Naile</i>		
<i>P. GARDNER</i>		
<i>John Prime for P. G. 8-9-72</i>		

4

2

2

2

1

NEW ONLY			NEW OR OLD										NEW ONLY					OLD ONLY			
MAJ STATE	TIME STATE	CP EVENTS	ACS EIR = 1	MUY 2	DVI 3	NMI 4	SHL	ASR 6	LSR 7	SCA NEW; 10 OLD; 1X	DAD 11	DST 12	SWAB OR SWBA	DPIC 14	DPSZ 15	DCM 16	SAM 17	SCL 1	COMMON EAE EVENTS		
D	TS1	PC UPDATE																		0 → EIR	
	TS2	MOB-2 → IR																		IF EAE INST. MO6.8.9 → EIR	
	TS3	AC LOAD AT TP3 DATA T L MQ LOAD AT TP3 IF MD7 = 1	SET SCLD AT TP2 L DATA BUS → SC CBL	O → SC LINK LOAD (B → L) ADLK DIS L	0 → SC	0 → SC START EAE TO AT TP3 ACB → L DATA IF EAE ON, SHIFT LEFT UNTIL ACB ≠ AC1, OR AC1-MQ11 = 0, +1 → SC RESTART CP IF "NEW" AND AC, MQ = 40000000, CBL ADLK DIS L		ACB → LINK DATA ADLK DIS L LINK LOAD (ACB → LINK)	ADLK D.S.L LINK LOAD (B → LINK)		SCV DATA → DATA	ADLK DIS L LINK LOAD (B → L)		IF MODE = A AND SWAB, SET MODE B IF MODE = B AND SWBA SET MODE A	AC → MQ, MQ → AC BECAUSE OF INSTR. ADLK DIS L CARRY IN CARRY OUT → LINK DATA [MQ LOAD, AC LOAD] LINK LOAD START EAE TC, ONE CYCLE ONLY L → CARRY IN CARRY OUT → LINK DATA AC LOAD, MQ LOAD LINK LOAD	IF AC, MQ = B, 1 → SKIP	AC → MQ, MQ → AC BECAUSE OF INSTR. ADLK DIS L CARRY IN CARRY OUT → LINK DATA [MQ LOAD, AC LOAD] LINK LOAD START EAE TC, ONE CYCLE ONLY L → CARRY IN CARRY OUT → LINK DATA AC LOAD, MQ LOAD LINK LOAD	ADLK DIS L DATA F CARRY IN ENB L MQ → EN 2 L ADDERS CARRY OUT → LINK DATA [AC LOAD] LINK LOAD GT GATING ENA 6T LOAD			
	TS4		1 → F	ENB CARRY IN (MA) NEW; 1 → D OLD; 1 → E	MA+1 → ENB CARRY IN (MA) NEW; 1 → D OLD; 1 → E	1 → F	ENB CARRY IN (MA) 1 → E	MA+1 → ENB CARRY IN (MA) 1 → E	1 → F	ENB CARRY IN (MA) 1 → D	MA+1 → ENB CARRY IN (MA) 1 → D	1 → F	1 → F	1 → F	1 → F	1 → F	1 → F	1 → F	ENB CARRY IN (MA+1-MA) 1 → E		
C	ALL	OBTAIN OPERAND ADDRESS																			
	EI	TS2																			
		TS3	DATA T L																		
		TS4																			
E	TS2																				
	TS3	DATA T L																			
	TS4																				
	TS4																				

FIRST USED ON OPTION/MODEL KEB-E		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES					
DECIMALS	ANGLES	DRN. <i>Norm Capelan</i> DATE <i>22 Jan 77</i>			
XXX - 005	± 0° 30'	CHK'D. <i>w. MAJOR</i> DATE <i>8/17/71</i>			
X - 1		ENG. <i>Norm Capelan</i> DATE <i>8/18/71</i>			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROJ. ENG. <i>S. Bueck</i> DATE <i>8/18/71</i>			
MATERIAL		DATE <i>8/18/71</i>			
NEXT HIGHER ASSY.		TITLE			
A-ML-KEB-E		EAE FLOW DIAGRAM			
FINISH		SCALE NONE		NUMBER	
		SHEET 1 OF 1		D F D K E B - E - C I	

REVISIONS
 CHANGE NO.
 REV.

REV. NO.
 NUMBER
 D F D K E B - E - 01

NOTES:

1. IF ANY CHANGES ARE TO BE MADE TO THIS PRINT FIRST CHECK WITH PURCHASE SPECS A-PS-23-001A1 AND A-SP-23 002A1.

ROM 1
ENABLE IF MAJOR STATE = F OR E
EIR 3 → A
EIR 2 → B
EIR 1 → C
EIR 0 • NEW → D
EXECUTE → E

ROM 2
ENABLE IF MAJOR STATE = F
EIR 3 → A
EIR 2 → B
EIR 1 → C
EIR 0 • NEW → D
OLD → E

- 00
- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 10
- 11
- 12
- 13
- 14
- 15
- 16
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- 22
- 23
- 24
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- 30
- 31
- 32
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- 34
- 35
- 36
- 37

FUNCTION	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	OCTAL
F • NOP	1	1	1	1	1	1	1	1	377
F • SCL	1	1	1	1	1	1	1	1	377
F • MUY	1	1	1	1	1	0	0	1	371
F • DVI	1	1	1	1	1	1	1	1	377
F • SHL	0	1	1	0	0	0	1	1	143
F • ASR	1	1	1	1	1	0	0	1	377
F • LSR	1	1	1	1	1	0	0	1	371
F • SCA	1	1	1	1	1	1	1	1	377
F • DAD	1	1	1	1	1	0	0	1	371
F • DST	1	1	1	1	1	1	1	1	377
F • NOP	1	1	1	1	1	1	1	1	377
F • DPSZ	1	1	1	1	1	1	1	1	377
F • DPIC	1	0	0	1	1	0	0	1	231
F • DCM	1	0	0	1	1	0	0	1	231
F • SAM	1	1	0	1	1	0	0	1	331
E • NOP	1	1	1	1	1	1	1	1	377
E • SCL	1	1	1	1	1	1	1	0	376
E • MUY	1	0	1	1	1	1	1	1	267
E • DVI	1	0	1	0	0	0	0	1	241
NOT USED									X
E • SHL	0	1	1	0	0	0	1	0	142
E • ASR	1	1	1	1	1	0	1	0	366
E • LSR	1	1	1	1	1	1	1	0	366
NOT USED									X
E • DAD	1	1	0	1	1	0	0	1	331
E • DST	1	1	1	1	1	1	1	1	377
NOT USED									X
NOT USED									X
NOT USED									X
NOT USED									X

FUNCTION	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	OCTAL
NOP	1	1	1	1	1	1	1	1	377
ACS	0	1	1	1	1	1	1	1	177
NEW MUY	1	1	0	1	1	0	0	1	331
NEW DVI	1	1	0	1	1	0	0	1	331
NMI	1	1	0	1	1	1	1	1	337
SHL	1	1	1	1	1	0	1	0	372
ASR	1	1	1	1	1	0	1	0	372
LSR	1	1	1	1	1	0	1	0	372
SCA	1	1	1	1	0	1	1	1	367
DAD	1	1	1	1	1	0	0	1	371
DST	1	1	1	1	1	0	0	1	371
NUP	1	1	1	1	1	1	1	1	377
DPSZ	1	1	1	0	1	1	1	1	357
DPIC	1	0	1	1	1	1	1	1	277
DCM	1	0	1	1	1	1	1	1	277
SAM	1	0	1	1	1	1	1	1	277
NOP	1	1	1	1	1	1	1	1	377
SCL	1	1	1	1	1	U	1	U	372
OLD MUY	1	1	0	1	1	0	1	0	332
OLD DVI	1	1	0	1	1	U	1	0	332
NMI	1	1	0	1	1	1	1	1	337
SHL	1	1	1	1	1	0	1	0	372
ASR	1	1	1	1	1	0	1	0	372
LSR	1	1	1	1	1	0	1	0	372
SCA	1	1	1	1	0	1	1	1	367
SCA-SCL	1	1	1	1	0	0	1	0	362
SCA-OLD MUY	1	1	0	1	0	0	1	0	322
SCA-OLD DVI	1	1	0	1	0	0	1	0	322
SCA • NMI	1	1	0	1	0	1	1	1	327
SCA • SHL	1	1	1	1	0	0	1	0	362
SCA • ASR	1	1	1	1	0	0	1	0	362
SCA • LSR	1	1	1	1	0	0	1	0	362

0 INDICATES ACB → LINK DATA AT TS3
 0 INDICATES TG SLOW → ADD (NOT MERELY SHIFT)
 0 INDICATES CARRY COUPLE AT TS3 (L → CARRY IN, CARRY OUT → L DATA)
 0 INDICATES LEFT SHIFT
 0 INDICATES A SHIFT OPERATION
 0 DISABLES CPU ADDER LINK GATING
 0 INDICATES LINK LOAD AT TP3
 0 INDICATES LOAD SC AT TP2

0 INDICATES ACS
 0 INDICATES DCM+SAM+DPIC
 0 INDICATES 0 → SC AT F • TP3
 0 INDICATES DPSZ
 0 INDICATES SCA
 0 INDICATES MA → I → MA, I → SKIP
 0 INDICATES DSET
 0 INDICATES ESET

REV	CHANGE NO	DATE
1	1	1/1/71
2	2	1/1/71
3	3	1/1/71

FIRST USED ON OPTION/MODEL KEB-E	QTY.	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN Date CHK'D DATE	DATE 21 Jan 71	digital CORPORATION MILFORD, MASSACHUSETTS	
DECIMALS	ANGLES	ENG DATE	TITLE	
xxx = .005 xx = .02 x = .1	+0° 30'	PROJ ENG DATE	ROM ENCODING	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD DATE	DATE 5/1/71		
MATERIAL	NEXT HIGHER ASSY		SIZE CODE	NUMBER
FINISH	A-ML-KEB-E		D	FD KEB-E-02
SHEET	1 OF 1	DIST		REV A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 2/15/72

TITLE KE8E ACCEPTANCE PROCEDURE

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE KE8E ACCEPTANCE PROCEDURE

- 1.Ø Equipment Required
 - A. PDP-8E or PDP-8M
 - B. M8340
 - C. M8341
 - D. 3-H851's
 - E. Teletype
 - F. Maindec-8E-DØLB-D-PB KE8E Instruction Test 1
 - G. Maindec-8E-DØMB-D-PB KE8E Instruction Test 2
 - H. Maindec-8E-DØRA-D-PB KE8E Extended Memory Exerciser

- 2.Ø Check that the M8340 and M8341 have:
 - A. Proper circuit revision.
 - B. Day code.

- 3.Ø Load and run the following diagnostics, consulting the Diagnostic Document for proper operating procedure.
 - A. Maindec-8E-DØLB for two complete program passes which will be indicated by "KE81" being typed out twice.
 - B. Maindec-8E-DØMB for two complete program passes which will be indicated by "KE8E" being typed out twice.
 - C. Maindec-8E-DØRA for five complete program passes which will be indicated by "KE8EME" being typed out five times. At the beginning of the program, be sure to type the correct value defining the maximum amount of memory.

- 4.Ø Shipping Hardware
 - A. M8340
 - B. M8341
 - C. 3-H8351's

- 5.Ø Shipping Software
 - A. Libkit-8E-KE8E
 - B. KE8E Print Set
 - C. KE8E Maintenance Manual

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ENG <i>Louis H. G.</i>	APPD <i>John McQuinn</i>	SIZE A	CODE SP	NUMBER KE8-E-0-4	REV
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SIZE A	CODE SP	NUMBER KE8-E-0-4	REV
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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			ACCESSORY LIST		LEGEND		QUANTITY / VARIATION													
MADE BY DATE		CHECKED DATE		SECTION		D DOCUMENT DN DOCUMENT CHANGE NOTICE PA PAPER TAPE ASCII PB PAPER TAPE BINARY PM PAPER TAPE READ-IN-MODE														
ENG DATE		PROD DATE		ISSUED SECT.																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				KE8-E									KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
1	M8340	EAE Decoder and Stepcounter module				1														
2	M8341	EAE Multiplexer and Timing Generator Module				1														
3	H851	Edge Connectors				3														
4	LIBKIT-8E-KE8-E	Program Library Kit For KE8-E				1														
5	KE8-E	KE8-E Maintenance Manual				1														
Note: It item 5 is temporarily waived ship the following.																				
	A-SP-KE8-E-3	KE8-E Engineering Specifications				1														
	A-SP-KE8-E-4	KE8-E Acceptance Procedure				1														
TITLE		ASSY. NO.		SIZE CODE		NUMBER		REV.		ECO NO										
Accessory List. <input type="checkbox"/>				A AL		KE8-E-6														
SHEET		OF		DIST.																

