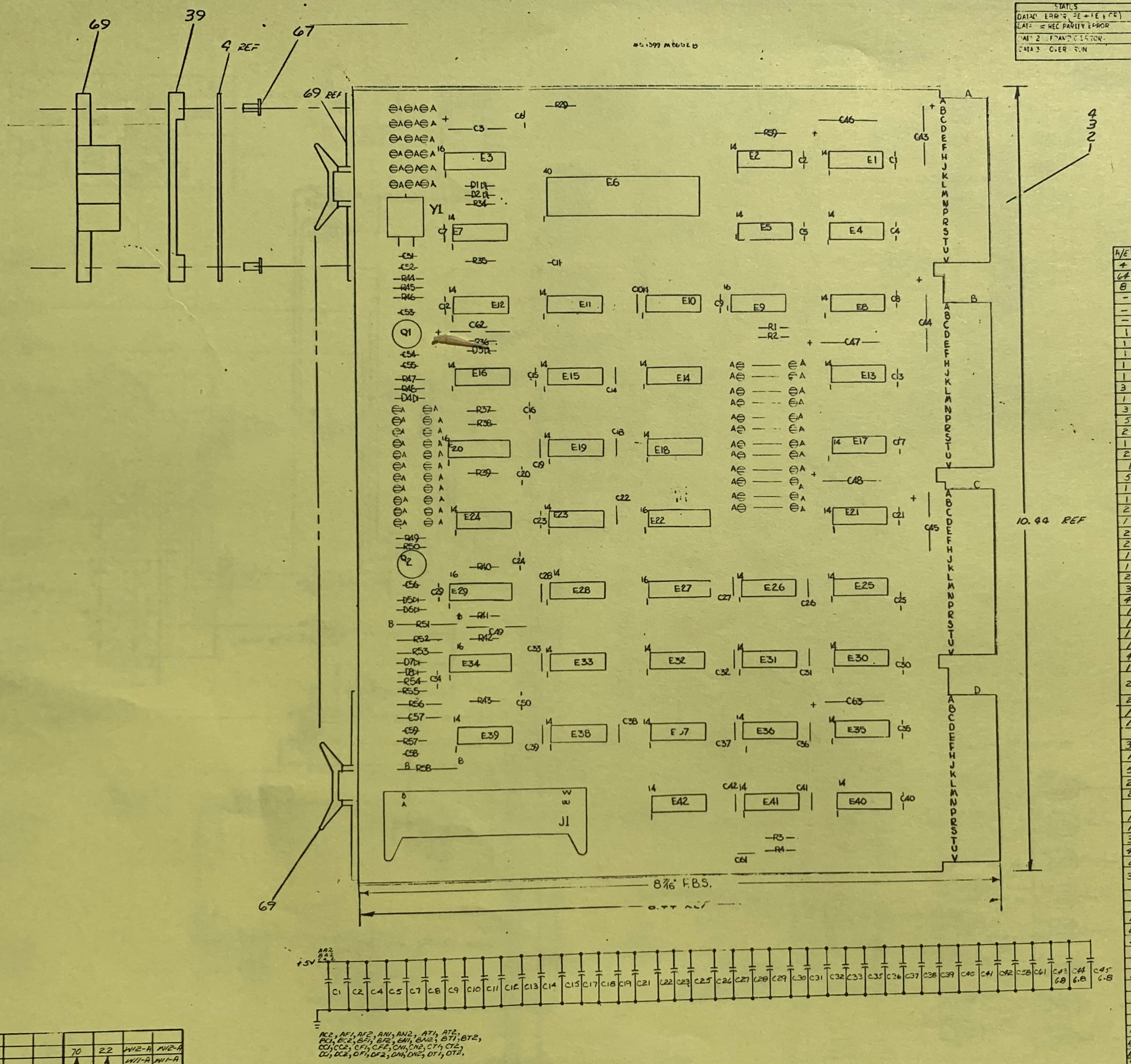
ECO No M8652-00007 Sheet 2 of 3

STATUS
DATA 0 ERR'R (PE + FE + CR)
DATA 1 = REC PARITY ERROR
DATA 2 = FRAMING ERROR
DATA 3 = OVER RUN

NOTES:
1. * (ASTERISK) INDICATES MACHINE INSERTED JUMPERS.



M8652-YC	M8652-YB	M8652-YA	QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
A/E	A/R	A/A	A/A	W1-W12	WIRE SOLID BUS #22 AWG	9107560-[illegible]	70
4	4	4	4		HANDLE FLIPCHIP MAGENTA	9008337-06	69
64	64	64	64		SPLIT LUGS	9006735	68
8	8	8	8		EYELET GS4-11 STIMPSON	9006750	67
-	-	-	1	Y1	CRYSTAL 14,418 MHZ	1809880-01	66
-	-	1	-	Y1	CRYSTAL 19,661 MHZ	1907990-02	65
-	1	-	-	Y1	CRYSTAL 17,629 MHZ	1909990-03	64
1	-	-	-	Y1	CRYSTAL 14,746 MHZ	1907990-04	63
1	1	1	1	Q2	TRANSISTOR DEC 6534 D	1503409	62
1	1	1	1	Q1	TRANSISTOR DEC 3009B	1503100	61
1	1	1	1	E3	TRANSFORMER 16 PIN	1609651	60
1	1	1	1	E6	IC DEC 1808	1910459	59
3	3	3	3	E20, E29, E34	IC DEC 74123	1910436	58
1	1	1	1	E7	IC DEC 1489L	1910323	57
3	3	3	3	E35, E40, E42	IC DEC 5384	1910394	56
5	5	5	5	E2, E5, E13, E17, E21	IC DEC 5380	1910392	55
2	2	2	2	E14, E18	IC DEC 5314	1910391	54
1	1	1	1	E16	IC DEC 1488L	1910322	53
2	2	2	2	E22, E27	IC DEC 7442	1910046	52
1	1	1	1	E7	IC DEC 74193	1910018	51
5	5	5	5	E1, E4, E8, E25, E30	IC DEC 97401	1909973	50
1	1	1	1	E15	IC DEC 8815	1909713	49
1	1	1	1	E31	IC DEC 8881	1909705	48
2	2	2	2	E19, E37	IC DEC 7404	1909686	47
1	1	1	1	E23	IC DEC 74H00	1909056	46
2	2	2	2	E10-12	IC DEC 7493	1909054	45
2	2	2	2	E33, E38	IC DEC 7402	1909004	44
1	1	1	1	E24	IC DEC 7450	1905580	43
1	1	1	1	E32	IC DEC 7410	1905576	42
2	2	2	2	E26, E28	IC DEC 7400	1905575	41
3	3	3	3	E36, E39, E41	IC DEC 7474	1905547	40
4	4	4	4		SPACER (CABLE CLAMP)	1202704	39
1	1	1	1	J1	CONN RIGHT ANGLE HEADER	1209991	38
1	1	1	1	D3	DIODE 1N4742 12V	1109502	37
1	1	1	1	D1	DIODE 1N4733A 5.1V 5%	1109943	36
1	1	1	1	D2	DIODE 1N4736A 6.8V 5%	1103340	35
4	4	4	4	D5-8	DIODE D664	1100114	34
1	1	1	1	D4	DIODE D662	1100113	33
2	2	2	2	R29, R49	RES 1.5K 1/4W 5%	1300391	32
2	2	2	2	R51, R58	RES 750 1W 5%	1302385	31
1	1	1	1	R41	RES 56K 1/4W 5%	1302395	30
1	1	1	1	R55	RES 82 1/4W 5%	1301477	29
							28
3	3	3	3	R1, R3, R37	RES 750 1/4W 5%	1301401	27
1	1	1	1	R39	RES 33K 1/4W 5%	1300510	26
5	5	5	5	R40, R42, R43, R46, R57	RES 10K 1/4W 5%	1300479	25
2	2	2	2	R45, R54	RES 3.3K 1/4W 5%	1300439	24
2	2	2	2	R52, -R53	RES 1.5K 1/2W 5%	1300394	23
1	1	1	1	R35	RES 30K 1/4W 5%	1302394	22
1	1	1	1	R59	RES 1K 1/4W 5%	1300365	21
1	1	1	1	R56	RES 560 1/2W 5%	1300338	20
3	3	3	3	R44, R48, R50	RES 470 1/4W 5%	1300316	19
4	4	4	4	R2, R4, R38, R47	RES 220 1/4W 5%	1300271	18
2	2	2	2	R34, R36	RES 100 1/4W 5%	1300229	17
38	38	38	38	C1, C2, C4, C5, C7-15, C17-19 C21-23, C25-33, C35-42, C58, C61	CAP .01 UF 100V 20%	1001610	16
1	1	1	1	C57,	CAP .47UF 35V 10% TANT	1005965	15
1	1	1	1	C49,	CAP 15UF 20V 10% TANT	1009812	14
1	1	1	1	C56,	CAP 1000PF 100V 5%	1002399	13
2	2	2	2	C6, C55	CAP .047UF 16 V 15-20%	1009678	12
9	9	9	9	C3 C43-48, C62, C63	CAP 6.8UF 35V 20% TANT	1000067	11
1	1	1	1	C16	CAP 330PF 100V 5%	1000023	10
2	2	2	2	C20, C53	CAP 100PF 100V 5%	1000016	9
1	1	1	1	C54	CAP 68PF 100V 5%	1000014	8
1	1	1	1	C24	CAP 47PF 100V 5%	1000011	7
2	2	2	2	C34, C52	CAP 33PF 100V 5%	1000009	6
3	3	3	3	C50, 51, C59	CAP 10PF 100V 5%	1000006	5
1	1	1	1		ETCHED CIRCUIT BOARD	5009776	4
REF	REF	REF	REF		MODULE HISTORY LIST	BMH-M8652-0-6	3
REF	REF	REF	REF		ASSY/DRILLING HOLE LAYOUT	DRH-M8652-0-5	2
REF	REF	REF	REF		X-Y COORDINATE HOLE LOC.	XCO-M8652-0-0	

PARTS LIST

ETCH BOARD REV B

IC TYPE	GND	+5V
DEC 5314	1	8
DEC 5380	1	8
DEC 5384	1	8
DEC 74173	8	16

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

ITEM NO	AWG	FROM PT	TO PT
70	22	W12-A	W12-A
		W11-A	W11-A
		W10-A	W10-A
		W9-A	W9-A
		W8-A	W8-A
		W7-A	W7-A
		W6-A	W6-A
		W5-A	W5-A
		W4-A	W4-A
		W3-A	W3-A
		W2-A	W2-A
70	22	W1-A	W1-A

JUMPER LIST

DEC NO.	EIA NO.
DEC 6534 D	MPS6534-C
DEC 3009B	2N3009B
1N4742	
1N4733A	
1N4736A	
D664	1N3606
D662	1N645

SEMICONDUCTOR CONVERSION CHART

REV.	ECO NO.	
H	M8652-00007	R. REGAN 6/19/73
F	M8652-00005	J. KIRK 5-22-73
E	M8652-00003	J. KIRK 4/2/73
D	M8652-00004	E. CLARK 7-12-72
C	M8652-00003	J. KIRK
B	M8652-00001	E. CLARK 2/25/72
A		NANCY MOORE 2-11-72

REVISIONS

DIGITAL EQUIPMENT CORPORATION

TITLE DOUBLE BUFFERED ASYN. INTER

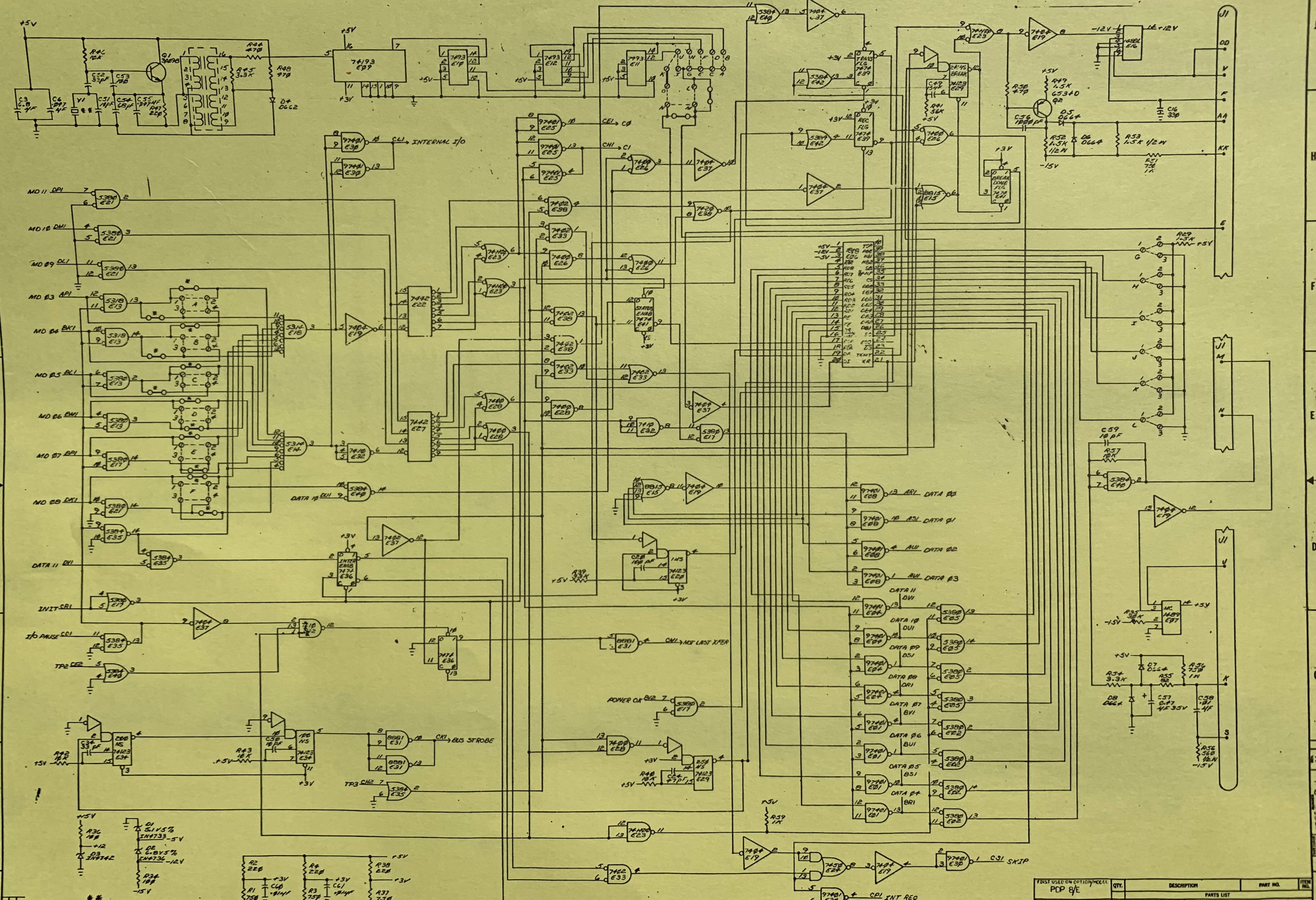
FIRST USED ON A-FL-KLB-F-0

SCALE 1/1

SHEET 1 OF 2

SIZE E CODE CS NUMBER M8652-0-1 REV H

ECO No. M8652-00007 Sheet 3 of 3



+5V
Q1 3639B
R46 47Ø
R48 47Ø
D4 D662
Y1
74193 E97
74193 E12
7493 E11
7493 E19
CLI INTERNAL I/O
CEL C0
CHL C1
MD 11 DPI
MD 10 DHI
MD 09 DLI
MD 03 API
MD 04 BKI
MD 05 BLI
MD 06 BMI
MD 07 BPI
MD 08 DKI
DATA 11 DVI
DATA 10 DUI
INIT CRI
I/O PAUSE CCI
TP2 CE2
TP3 CH2
POWER OK BV2
7442 E22
7442 E27
STATUS ENAB 7474 E41
INTER ENAB 7474 E36
REC FLG 7474 E39
XMIT FLG 7474 E39
BREAK DONE FLG 7474 E41
BREAK 74123 E29
1488 E16
MC 1489 E97
CKI BUS STROBE
CM1 NOT LAST XFER
ARI DATA Ø0
ASI DATA Ø1
AUI DATA Ø2
AVI DATA Ø3
DATA 11 DVI
DATA 10 DUI
DATA Ø9 DSI
DATA Ø8 DRI
DATA Ø7 BVI
DATA Ø6 BUI
DATA Ø5 BSI
DATA Ø4 BRI
CSI SKIP
CPI INT REQ
J1
DD
V
F
AA
KK
E
M
N
U
K
S
-12V
+12V
-15V
D1 5.1V5% 1N4733
D2 6.8V5% 1N4736
D3 1N4742
R34 10Ø
R2 22Ø
R4 22Ø
R38 22Ø
R1 75Ø
R3 75Ø
R37 75Ø
C60 .01μF
C61 .01μF
+3V

**

MODULE NUM.	Y1
M8652	14.418 MHZ
M8652 YA	19.661 MHZ
M8652 YB	17.629 MHZ
M8652 YC	14.762 MHZ

* MACHINE INSERTED JUMPERS

REVISIONS
CHANGE NO.
REV.
CHK

FIRST USED ON OPTION/MODEL
PDP 8/E

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

DRN. DATE
CHK'D. DATE
ENG. DATE
PROJ. ENG. DATE
PROD. DATE
NEXT HIGHER ASSY
SCALE NONE
SHEET 2 OF -

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE
DOUBLE-BUFFERED
ASYN. INTEP.

SIZE	CODE	NUMBER	REV.
E	S	M8652-0-1	H

DIST.