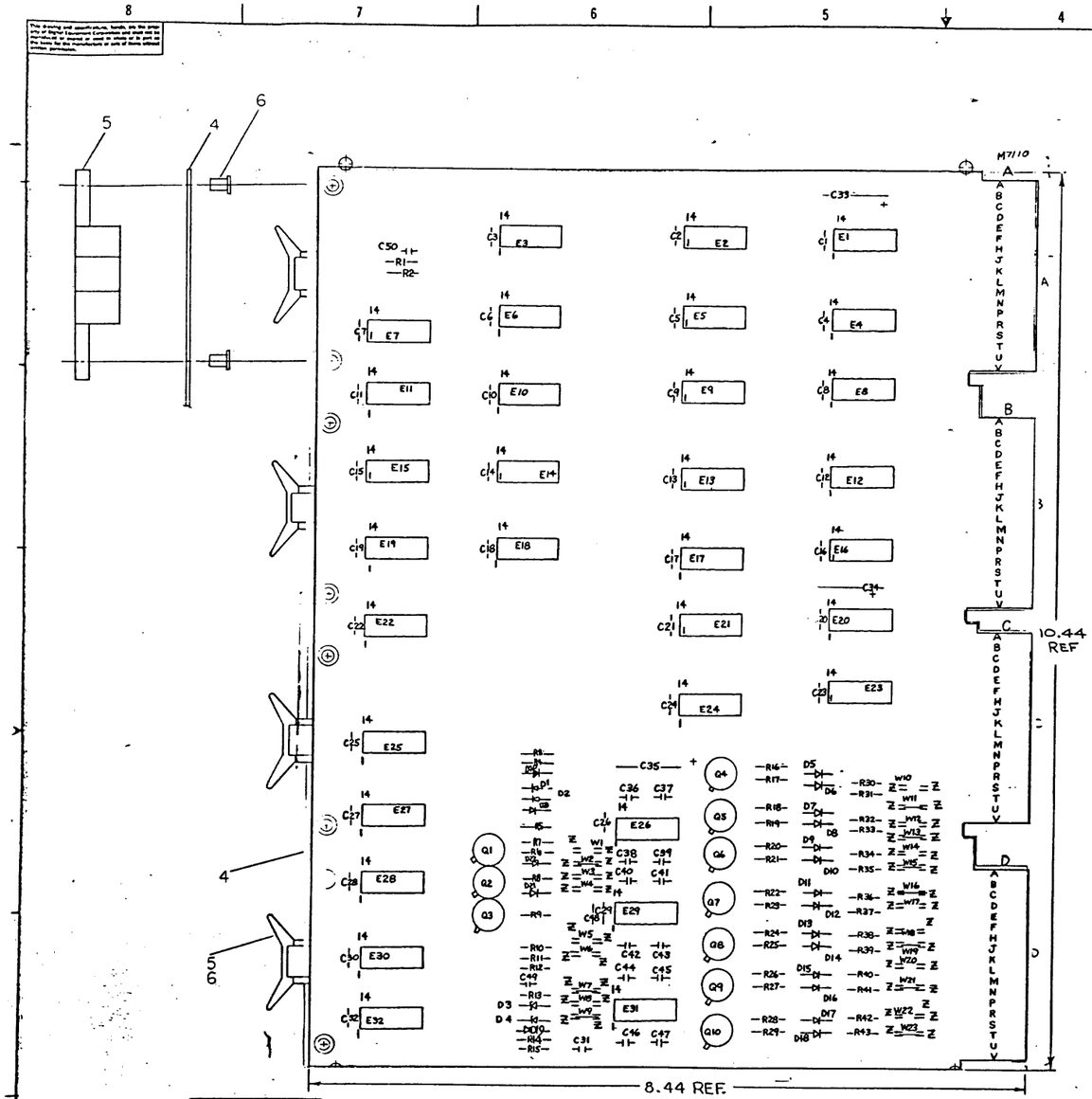

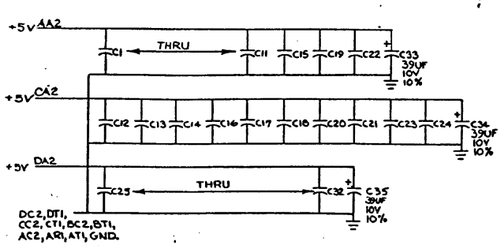

34	22	W23	W23	
34	22	W22	W22	*
34	22	W21	W21	
34	22	W20	W20	*
34	22	W19	W19	
34	22	W18	W18	*
34	22	W17	W17	*
34	22	W16	W16	
34	22	W15	W15	
34	22	W14	W14	*
34	22	W13	W13	
34	22	W12	W12	*
34	22	W11	W11	
34	22	W10	W10	*
34	22	W9	W9	
34	22	W8	W8	*
34	22	W7	W7	
34	22	W6	W6	*
34	22	W5	W5	*
34	22	W4	W4	*
34	22	W3	W3	*
34	22	W2	W2	
34	22	W1	W1	*

* SEE NOTE 2

ITEM NO	AWG	FROM PT	TO PT

JUMPER LIST

MC1488	PIN 1	7	PIN 14
IC TYPE	+9.4V	GND	+9V

GND AND 9V ARE USUALLY PIN 7 AND 14 RESPECTFULLY, EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

NOTES:

1. UNLESS OTHERWISE NOTED:
   CAPACITORS ARE 100V 20%
   RESISTORS ARE ¼W 5%
2. * INDICATES OPTIONAL JUMPERS SEE NOTE ON SHEET 3

QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
A/R		WIRE, #22 AWG SOLID BUS	3107260-01	34
46		SPLIT LUGS	9006735	33
2	E26, 31	IC MC1489 L	1910323	32
1	E2.3	IC MC1488L	1910322	31
2	E10, 14	IC DEC 3001	1909514	30
7	E2,5,9,13,22,27	IC DEC 1075-H74	1910552	29
2	E7, 18	IC DEC 1074-H11	1910465	28
5	E3,13,27,30,32	IC DEC 7450	1905580	27
4	E6,11,25,28	IC DEC 7404	1909886	26
7	E7,8,12,16,20,23	IC DEC 97401	1909973	25
2	E15,21	IC DEC 7400	1905275	24
10	Q1-Q10	TRANS. DEC 3009 B	1903100	23
1	R2	RES. 330, ¼W, 5%	1300295	22
1	R1	RES. 750, ¼W, 5%	1300401	21
7	R30,32,34,36,38,40,42	RES. 68K, ¼W, 5%	1301327	20
7	R6,18,20,22,24,26,28	RES. 15K, ¼W, 5%	1300496	19
10	R5,12,14,31,33,35,37,39,41,43	RES. 1.5K, ¼W, 5%	1300391	18
7	R3,7,8,9,14,15	RES. 220, ¼W, 5%	1300271	17
7	R13,17,21,23,25,27,29	RES. 100, ¼W, 5%	1300229	16
3	R4,10,11	RES. 39, ¼W, 5%	1302377	15
2	D19,20	DIODE DEC G72	1105275	14
4	D1-D4	DIODE IN750A	1100124	13
10	D6,8,10,12,14,16,18,21,22,23	DIODE DEC G64	1100114	12
7	D5,7,9,11,13,15,17	DIODE DEC G62	1100113	11
33	C1-C32, C48, 49, 50	CAP. .01UF, 100V, 20% DC.	1001610	10
3	C33-C35	CAP. 39UF, 10V, 10% STANT	1000076	9
4	C36, 40, 42, 43	CAP. 330PF, 100V, 5% D.M.	1000023	8
8	C37, 38, 39, 41, 44, 45, 46, 47	CAP. 470PF, 100V, 5% D.M.	1000024	7
8		EYELET 654-1 E.B. STIMPSON	9000732	6
4		HANDLE FLIP CHIP-MAGENTA	9008337-006	5
1		ETCHED CIRCUIT BOARD	3009621	4
REF		MODULE HISTORY	D-MH-M7110-0-6	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M7110-0-5	2
REF		X-Y COORDINATE HOLE LOC.	X-CO-M7110-0-4	1

PARTS LIST

ETCH BOARD REV D

REV.	REVISIONS	CHANGE NO.	DATE
D	B. HALLION 11/6/74		
C	J. MILO 11/6/74		
B	ORIGINATED	MILO-00001	
A			

DEC 30098	2N3009
DG72	IN3653
IN750A	SAME
DG64	IN3036
DG62	IN645
DEC NO	EIA NO

SEMICONDUCTOR CONVERS. CHART

DRN.		DATE
CHK'D		DATE
ENG.		DATE
PROJ. ENG.		DATE
MGR.		DATE

NEXT USED ON DS11

SCALE — / 1 SHEET — OF 3

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE SYNCHRONOUS MODEM INTERFACE MODULE FOR DS11

SIZE CODE NUMBER REV.
A M7110-0-1

M7110-0-1