

MASTER DRAWING LIST

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DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE
A-PL-DR8-EA-0	C	1	12 BIT DIGITAL I/O (DR8-EA)
E-CS-M863-0-1	#	2	12 BIT BUFFERED DIGITAL I/O
A-SP-DR8-EA-1	REF	12	ENGINEERING SPECIFICATIONS
A-SP-DR8-EA-2	REF	6	ACCEPTANCE SPECIFICATIONS
A-AL-DR8-EA-3		1	ACCESSORY LIST (DR8-EA)

REVISIONS				DRN.	DATE	digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>									
REV.	DATE	CHG. NO.	APP'D.	D.	CRABBE			4/7/71							
A	5/71	DR8E-1	G.B.	CHK'D	<i>G. Crabee</i>			4-28-71							
B	11/71	DR8E-2	A.W.	ENG.	<i>G. Crabee</i>			4-28-71							
C	11/71	DR8E-3	A.W.	PRD. ENG.	<i>J. Partridge</i>			4-29-71							
D	1/72	LAB8E-13	G.B.	PROD.	<i>G. Crabee</i>	1-15-72									
				FIRST USED ON											
					LAB8-E										
				SCALE	A	ML									
				SHEET 1	OF 1	DIST.									
				TITLE: 12 BIT DIGITAL I/O (DR8-EA) <table style="float: right; margin-top: 10px;"> <tr> <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>A</td> <td>ML</td> <td>DR8-EA</td> <td>D</td> </tr> </table>				SIZE	CODE	NUMBER	REV.	A	ML	DR8-EA	D
SIZE	CODE	NUMBER	REV.												
A	ML	DR8-EA	D												

DIGITAL EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS
PARTS LIST

QUANTITY / VARIATION

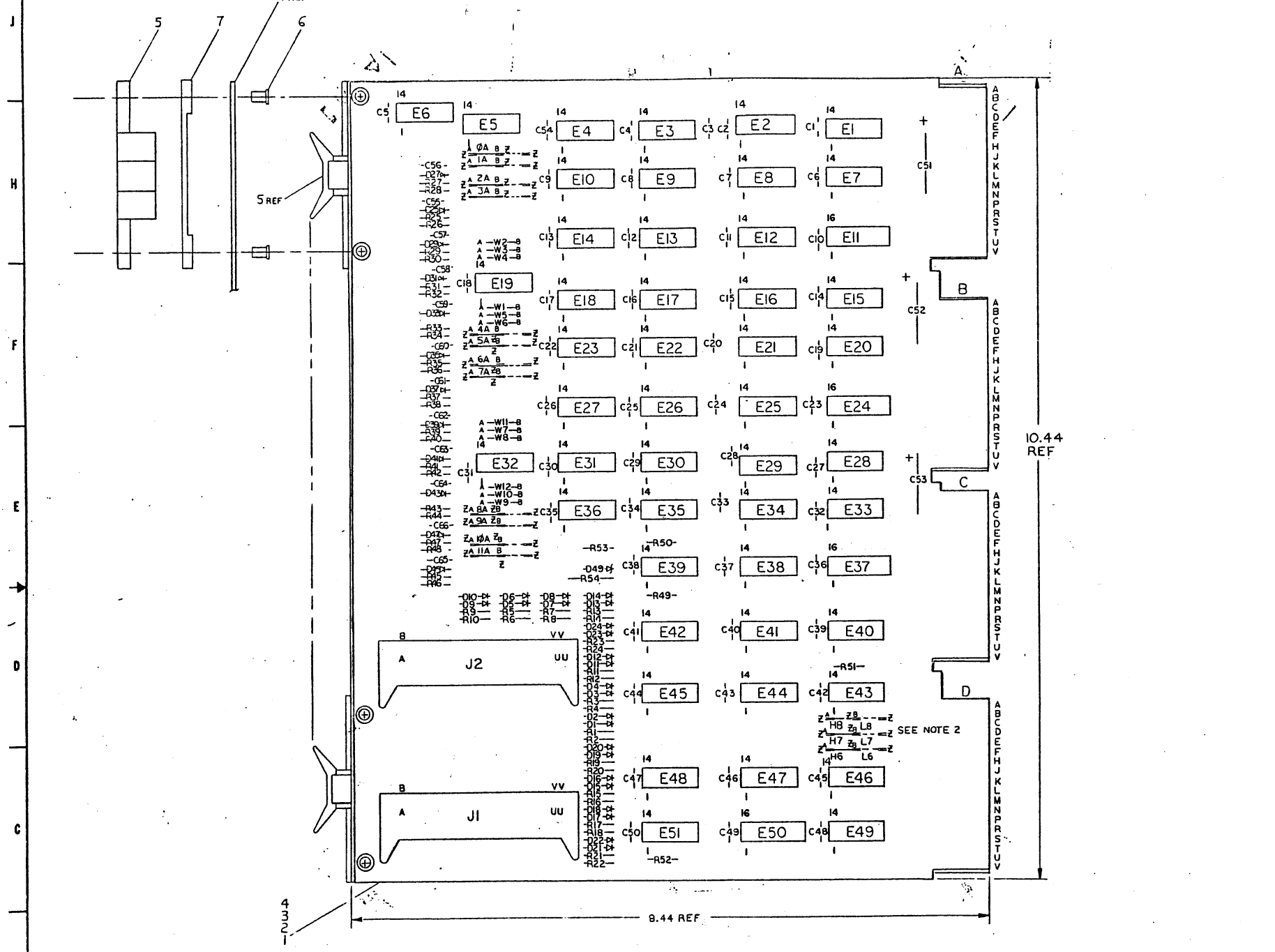
MADE BY	D.K. CRABBE	CHECKED	D.K. CRABBE	SECTION
DATE	4/7/71	DATE	4/28/71	1
ENG	D.K. CRABBE	PROD	P. FAZIO	ISSUED SECT.
DATE	4/28/71	DATE	5/3/71	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
1	M863	12 BIT BUFFERED DIGITAL I/O
2	C-IA-7008418-0-0	I/O CABLE ASSY. (BC08S DIAG. JUMPER)
3	BC08J-10	I/O CABLE ASSY.

TITLE 12 BIT DIGITAL I/O (DR8-EA)	ASSY NO.	SIZE	CODE	NUMBER DR8-EA-0	REV. C	ECO NO. LABBE- 00013
	SHEET 1 OF 1	A	PL			

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NOTES:
1. UNLESS OTHERWISE NOTED: CAPACITORS ARE .01µF, 100V, 20% DISC. DIODES ARE D664. RESISTORS ARE 1/4W 5%.
2. JUMPERS LG, L7 AND L8 ARE OPTIONAL.



REV	DESCRIPTION	DATE	BY	CHECKED	DATE	BY
45	SPLIT LUGS	9006735				
12	C55 THRU C66	CAP 820PF 100V 5% DM	1000027			
AR		WIRE BUSSING #22 AWG	9107560-01			
2	J1, J2	CONNECTOR 40PIN BERG	1209941			
AR		TEF-ON TUBING	9107265			
D1 THRU D25, D27, D29	D1033, D35, D37, D39 THRU	DIODE D664	1100114			
D41, D43, D45, D47						
D45	DIODE 1N746A 3.3V 5%	1104860				
C1 THRU C50, C54	CAP .01µF 100V 20% DISC	1001610				
C51, C52, C53	CAP 6.8µF 35V 10%	1005306				
R2, R4, R6, R8, R10, R12, R14, R16	R18, R20, R22, R24, R26, R28	RES 47 1/4W 10%	1300204			
R30, R32, R34, R36, R38, R40	R42, R44, R46, R48					
R54	RES 82 1/2W 10%	1300225				
R49, R50, R51, R52	RES 1K 1/4W 5%	1300365				
R25, R27, R29, R31, R33, R35	R37, R39, R41, R43, R45, R47, R49	RES 3.3K 1/4W 5%	1300439			
R1, R3, R5, R7, R9, R11, R13	R15, R17, R19, R21, R23	RES 470 1/4W, 5%	1300316			
E1, E3, E5, E7, E9, E11, E13	E15, E17, E19, E21, E23, E25, E27, E29, E31, E33	IC DEC 7474	1905547			
E2, E4, E6, E8, E10, E12, E14, E16, E18, E20, E22, E24, E26, E28, E30, E32, E34, E36, E38, E40, E42, E44, E46, E48, E50, E52	E3, E5, E7, E9, E11, E13, E15, E17, E19, E21, E23, E25, E27, E29, E31, E33, E35, E37, E39, E41, E43, E45, E47, E49	IC DEC 7400	1905575			
E3, E9, E17, E25, E33, E41		IC DEC 7402	1909004			
E2, E8, E14, E20, E26, E32, E38, E44, E50		IC DEC 380	1909485			
E50		IC DEC 8251	1909594			
E13, E14, E26, E27, E39, E44		IC DEC 7404	1909686			
E46		IC DEC 314	1909704			
E45, E46		IC DEC 8981	1909705			
E5, E6		IC DEC 7416	1909928			
E19, E32		IC DEC 7405	1909930			
E11, E24, E37		IC DEC 8235	1909935			
45	SPLIT LUGS	9006735				
4	SPACER (CABLE CLAMP)	1202704				
8	EYELET 654-11 STIMPSON	9006750				
4	CHARCLE (FLIP CHIP) MAGENTA	9008337-06				
1	ETCHED CIRCUIT BOARD	5009339				
REF	MODULE ECO HISTORY	B*MM-MB63-0-4				
REF	ASSY/DRILLING HOLE LAYOUT	D*MM-MB63-0-5				
REF	X-Y COORDINATE HOLE LOC	K*CO-MB63-0-1				

30831	22	W3-A	W3-B	30831	22	W12-A	W12-B
30831	22	W3-A	W3-B	30831	22	W12-A	W12-B
30831	22	W2-A	W2-B				
30831	22	W1-A	W1-B				
30	22	H8-A	H8-B				
		H7-A	H7-B				
		H6-A	H6-B				
		H4-A	H4-B				
		H2-A	H2-B				
		W4-A	W4-B				
DEC 380	8	4A-A	4A-B				
DEC 8251	8	3A-A	3A-B				
DEC 314	8	2A-A	2A-B				
DEC 8235	8	1A-A	1A-B				
IC TYPE	GND	+5V		30831	22	W4-A	W4-B

30831	22	W1-A	W1-B	30831	22	W10-A	W10-B
30831	22	W1-A	W1-B	30831	22	W10-A	W10-B
		W2-A	W2-B				
		W3-A	W3-B				
		W4-A	W4-B				
		W5-A	W5-B				
		W6-A	W6-B				
		W7-A	W7-B				
		W8-A	W8-B				

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

10 E48 CP1

SEMICONDUCTOR CONVERSION CHART

LIBRARY	MANUFACTURER	DESCRIPTION	LIBRARY	MANUFACTURER	DESCRIPTION
WALLACK	WALLACK	D664	TI	TI	TIN3606
MM	MM	M83-00001	EIA	EIA	EIA NO.

FIRST USED ON OPTION/MOD. QTY.

ETCH BOARD REV	E	DESCRIPTION	PART NO.	ITEM NO.

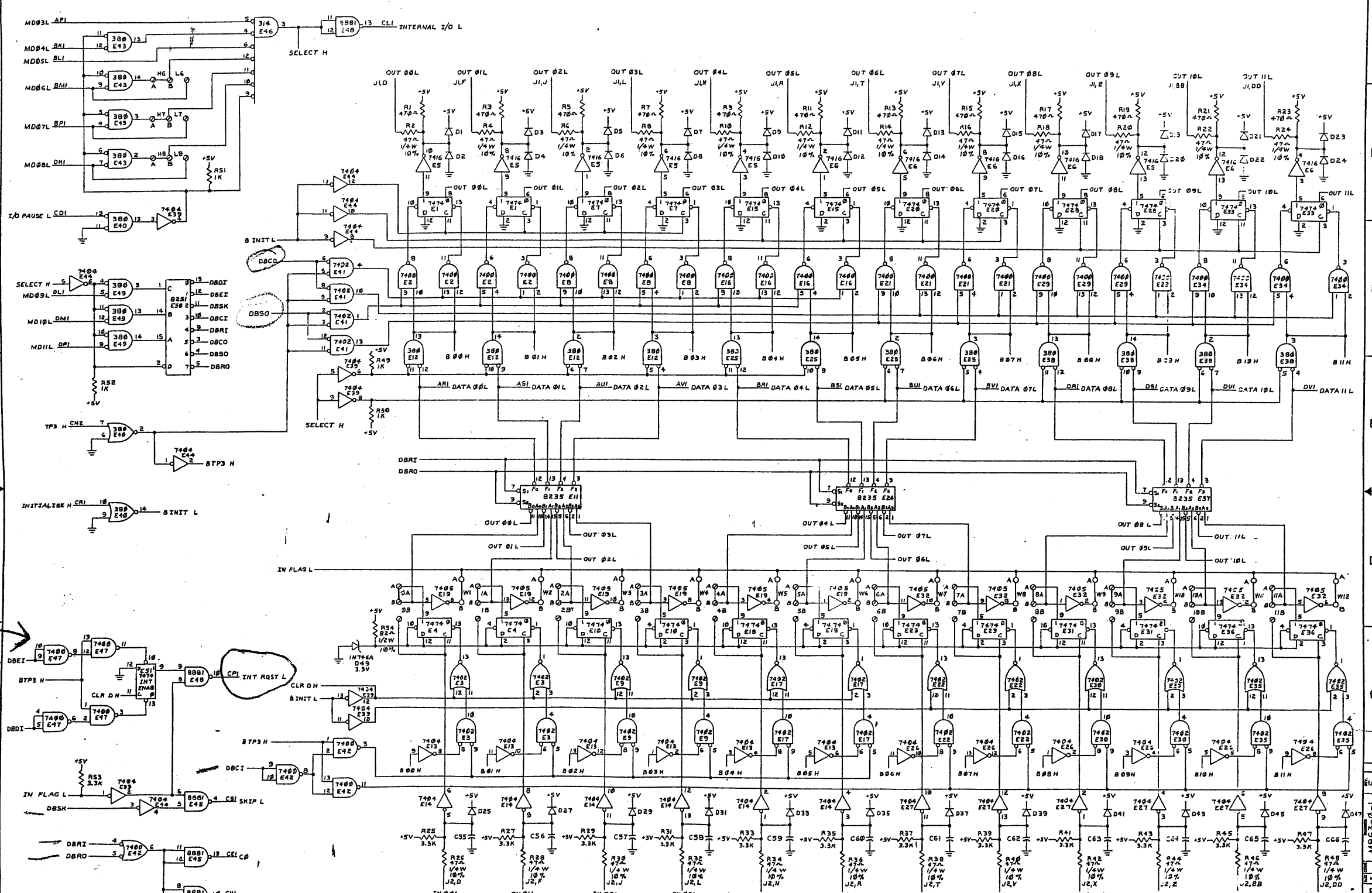
EQUIPMENT CORPORATION

TITLE: 12 CHANNEL BUFFERED I/O DR8-EA

REV: D664 TIN3606
DEC NO: DEC NO
EIA NO: EIA NO

SCALE: 2/1
SHEET: 1 OF 1

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2nd on top side

QTY.	DESCRIPTION	PART NO.	ITEM NO.
FIRST USED ON OPTION PDP-8/E			
UNLESS OTHERWISE SPECIFIED			
DRAWING BY: <i>Billie</i> DATE: 1-13-71			
CHECKED BY: <i>Billie</i> DATE: 7-1-71			
DESIGNED BY: <i>Billie</i> DATE: 1-13-71			
PART SURFACE QUALITY: <i>Billie</i> DATE: 1-13-71			
MATERIAL: <i>Billie</i> DATE: 1-13-71			
FINISH: <i>Billie</i> DATE: 1-13-71			
SCALE: NONE			
E123 3663-1			

DIGITAL EQUIPMENT CORPORATION
12 CHANNEL BUFFERED I/O
DR8-EA

DIGITAL EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

ACCESSORY LIST

LEGEND
D DOCUMENT
DN DOCUMENT CHANGE NOTICE
PA PAPER TAPE ASCII
PB PAPER TAPE BINARY
PM PAPER TAPE READ-IN-MODE

QUANTITY/VARIATION

MADE BY K.Symes	CHECKED <i>M. Lawrence</i>	SECTION
DATE 12-17-71	DATE 12/21/71	
ENG <i>J. Erdman</i>	PROD <i>P. K. Myers</i>	ISSUED SECT.
DATE 12-17-71	DATE 1/4/72	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QTY	UNIT	PRICE	EXT. PRICE	DATE	BY
1	M863	12 Channel Digital I/O Module	1					
2	BC08S-1	1 foot I/O Cable	1					
3	BC08J-10	10 foot Cable	2					
4	DR8-EA	DR8-EA Print Set	1					
5	LAB8-E	LAB8-E Print set	1					
6	MAINDEC 8E-D00A-AB	DR8-EA Diagnostic - Binary Tape	1					
7	MAINDEC 8E-D00A-DL	DR8-EA Diagnostic - Document	1					
8	DEC-LB-HRZA-D	LAB8-E User's Handbook	1					
9	DEC-LB-HXZA-D	LAP8-E Maintenance Manual	1					
		NOTE: When item 8 or 9 is temporarily waived,						
		ship the following:						
	A-SP-DR8EA-1	DR8E Engineering Specification	1					
	A-SP-DR8EA-2	DR8E Acceptance Procedure	1					

KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE

TITLE DR8-EA Accessory List	ASSY. NO.	SIZE CODE A AL	NUMBER DR8-EA-3	REV.	ECO NO
SHEET 1 OF 1		DIST.			