

digital

211

RK05J

Engineering Drawings

Digital Equipment Corporation

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SEQUENCE

A-PL-RK05-0-2
B-DD-RK05J-T
D-UA-RK05J-0-0
A-PL-RK05J-0-0
D-AD-7008696-0-0
D-AD-7008702-0-0
A-PL-7008702-0-0
B-DD-H743-0
A-WT-7008696-0

PRINT SET

[illegible]

REVISIONS		USED ON OPTION/MODEL		DRN.	DATE	TITLE			
DATE	CHG. NO.	REV							
A.V.	RK05-69	AL		CHK'D	DATE	DECPACK ASSY			
DWG VAS RK05-0									
A.V.	RK05J-3	AM		PROJ ENG	DATE	SIZE	CODE	NUMBER	REV
/	RK05J-4	AN		PROD.	DATE	B	DD	RK05J-3	A T
	RK05J-5	AP							
	RK05J-6	AR		FIELD SERV.	DATE				
	RK05J-7	AS							
	RK05J-8	AT							
SHEET OF									

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NOTE:

TERMINATOR OR DISKBUS CABLE CONNECTOR MAY BE INTERCHANGED BETWEEN SLOTS 7 AND 8.

	1	2	3	4	5	6	7	8
	G180	M7680	M7681	M7701	G938	M983	M930 *	M929
USAGE	2	2	2	2	2	2	2	2
	READ/ WRITE	INDEX & SECTOR	CYLINDER ADDRESS & DIFFERENCE	CONTROL & INTERLOCK	POSITION SERVO PREAMP	CHASSIS CONNECTOR	TERMINATOR	DISKBUS CABLE CONNECTOR
USAGE								

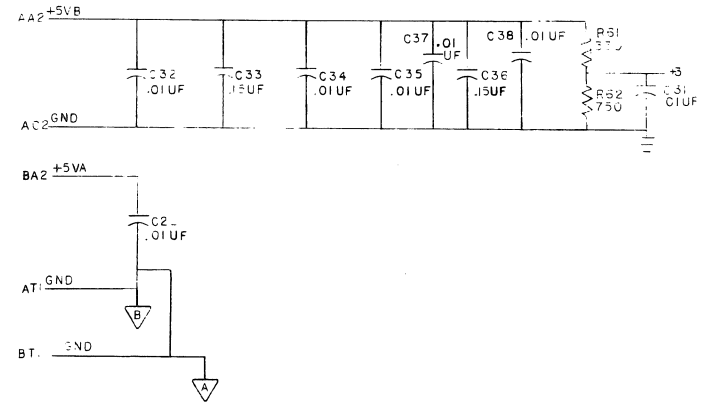
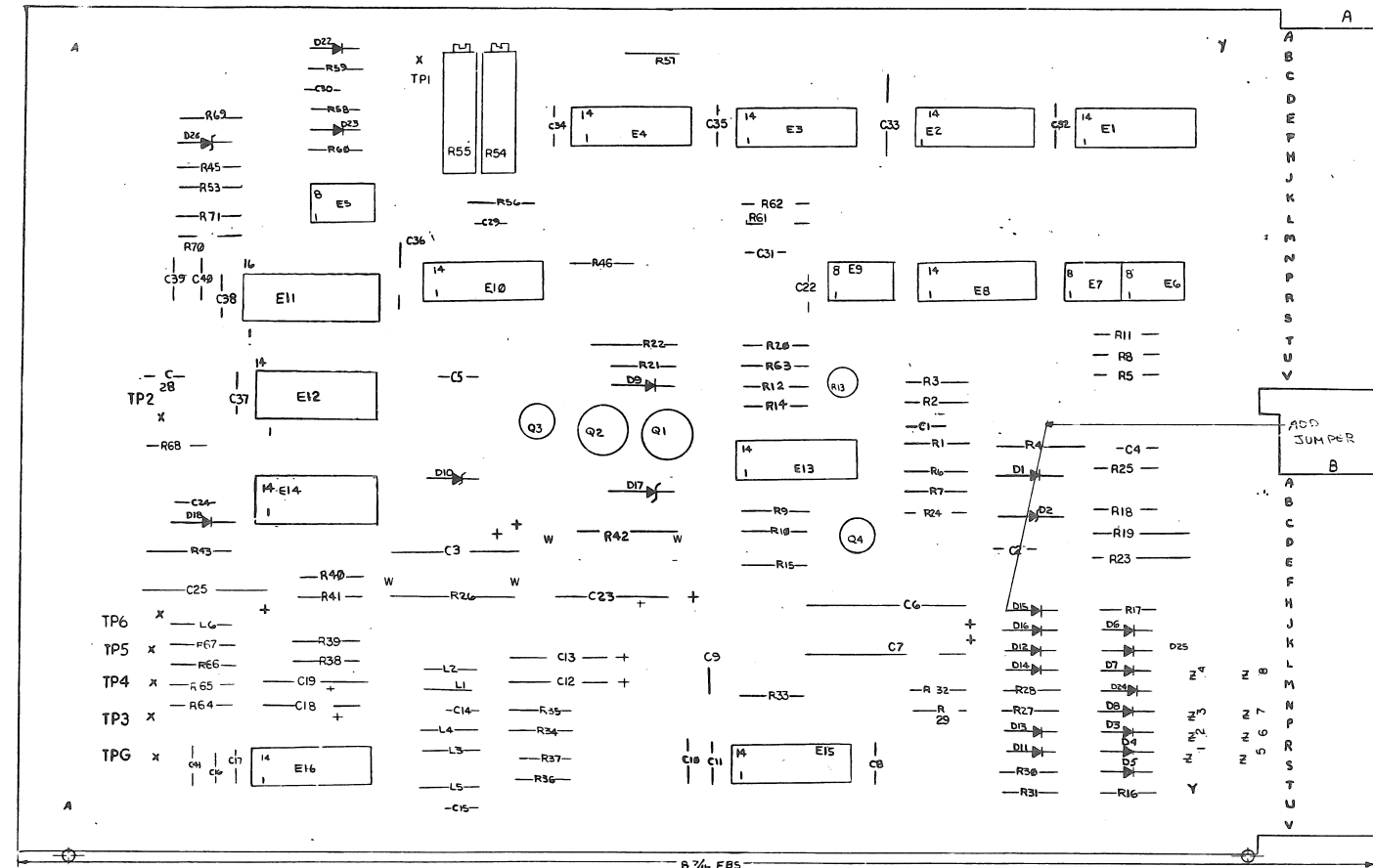
* IF MORE THAN ONE DRIVE IS USED, M930 IS REPLACED BY M929 (BC11A), M93C IS USED IN THE LAST DRIVE ON THE BUS.

REVISONS		
CHK	CHANGE NO.	REV.
1	RK05-00002	A
2 11-72		
DJENSEN		
1 11-72		
2	RK05-00003	B
11-72		
JENSEN		
11-72		
2	RK05-00023	C
11-72		
G.SCHNEIDER		
11-72		
2	RK05-00040	D
11-72		
E. ALLAIN 7-7-73		
G. SCHNEIDER		
11-72		
2	RK05J-00007	E
11-72		
D. Johnson 12 Jan. 77		
S. RADOFF		
11-72		

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NOTES:

NOTE:
DO NOT INSERT
HANDLE HOLE EYELETS
ON OUTSIDE HANDLE
HOLES: (2 PLCS)



DEC 6440	1	6
DEC 75452	4	8
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

1 D26	DIODE IN748A (3.9V ZENER)	1100122	79
1 R69	RES 180 1/4W 5%	1301322	78
2 R7,R10	RES 100 1/4W 5%	1300229	77
1	NOISE SHIELD	5009893	76
2	HANDLE, FLIP CHIP-GREEN	9008337-01	75
7 TP6, TP1 THRU TP6	SWAGE LUG	9007791	74
2	HEX NUT, NYLON #2-56	9007763	73
2	EYELET #6S4-7	9006732	72
2	INTERNAL LOCK WASHER #2-56	9006631	71
2	HEX NUT #2-56	9006555	70
2	SCREW 4-40X3/8	9006011-4	69
2	SCREW PAN HD #2-56X5/16	9006003-1	68
2	KEP NUT 4/40	9006557	67

1	2N2904	2N2118A	IN746A	SAME
2	DEC 3009B	2N3009	IN753A	SAME
2	DEC 6534C	MPS6534	IN751A	SAME
2	DEC 6534C	D672	IN3653	

3	E6,E7,E9	IC DEC 75452	1910645	65
2	E15,E16	IC DEC 733	1910644	64
1	E14	IC DEC 1414	1910337	63
1	E5	IC DEC 741	1910298	62
1	E1	IC DEC 8881	1909705	61
2	E2,E8	IC DEC 8640	1911463	60
1	E10	IC DEC 9601	1909373	59
1	E13	IC DEC 7472	1905588	58
2	E4,E12	IC DEC 7400	1905575	57
1	E3	IC DEC 7474	1905547	56
1	L6	INDUCTOR 120UH	1610663	55
2	L1,L2	INDUCTOR 56UH	1610661	54
3	L3,L4,L5	INDUCTOR 100UH	1610662	53
1	Q3	TRANSISTOR DEC 6534C	1503409-01	52
1	Q4	TRANSISTOR DEC 3009B	1503100	51
2	Q1,Q2	TRANSISTOR 2N2904	1501742	50
1	R13	POT 1K 1/2W 20% 62PR	1309150-03	49
2	R54,R55	POT 10K 3/4W 10% 78PR	1309143-10	48
2	R16,R17	RES 27K 1/4W 5%	1305346	47
2	R27,R28	RES 8.2K 1/4W 5%	1303179	46
1	R60	RES 220K 1/4W 5%	1302092	45
1	R4	RES 270 1/2W 5%	1300285	44
2	R40,R41	RES 560 1/4W 5%	1301490	43
6	R6,9,45,53,70,71	RES 5.6K 1/4W 5%	1301974	42
1	R11	RES 1.1K 1/4W 5%	1301475	41
1	R58	RES 3.3K 1/4W 5%	1300439	40
1	R62	RES 750 1/4W 5%	1301401	39
2	R15,R21	RES 1.2K 1/4W 5%	1301320	38
2	R30,R31	RES 15K 1/4W 5%	1300496	37
6	R5,8,18,38,39,57	RES 10K 1/4W 5%	1300479	36
1	R59	RES 4.7K 1/4W 5%	1300447	35
1	E11	IC DEC 74123	1910436	34
16	R1,R2,R3,R20,R34-37	RES 1K 1/4W 5%	1300365	33
2	R24,R12	RES 470 1/4W 5%	1300318	31
1	R43	RES 470 1/2W 5%	1300315	30
3	R22,R25,R61	RES 330 1/4W 5%	1300295	29
2	R29,R32	RES 220 1/4 5%	1300271	28
2	R26,R42	RES 180 1W 5%	1300262	27
1	R19	RES 180 1/2W 5%	1300260	26
1	R14	RES 150 1/4W 5%	1300250	25
1	R23	RES 150 1/2W 5%	1300249	24
1	R33	RES 68 1/4W 5%	1300219	23
8	I-8	GOLD WIREWAP PINS	9009217	22
18	D1,D3-9,D11-16,D22-25	DIODE D672	1105275	21
1	D2	DIODE IN 751A (5.1V ZENER)	1109994	20
3	D10,D17,C18	DIODE IN 753A (5.1V ZENER)	1102421	19
13	C9,C33,C36	CAP 15UF 50V 10% POLYCARBONATE	1010031	17
1	C15	CAP 18PF 100V 5% D.M.	1002508	16
4	C12,C13,C18,C19	CAP .01UF 50V AXIAL	1001610-00	15
14	C40,C11,C16,C17,C22-24,31	CAP .01UF 100V 20% DISC	1001610-01	14
2	C6,C7	CAP 10UF 35V 20% S.TANT	1000069	13
3	C3,C23,C25	CAP 68UF 35V 20% S.TANT	1000067	12
1	C2	CAP 680PF 100V 5% D.M.	1000026	11
2	C5,C30	CAP 470PF 100V 5% D.M.	1000024	10
1	C29	CAP 150PF 100V 5% D.M.	1000019	9
1	C41	CAP 27PF 100V 5% D.M.	1001739	8
1	C14	CAP 56PF 100V 5% D.M.	1000012	7
3	C1,C39,C40	CAP 47PF 100V 5% D.M.	1000011	6
2	C8,C15	CAP 18 PF 100V 5% D.M.	1002608	5
1		ETCHED CIRCUIT BOARD	5009743	4
1		MODULE ECO HISTORY	B-MH-G180-0-6	3
1		ASSEMBLY DRILLING HOLE LOCATION	E-AH-G180-0-5	2
1		X-Y COORDINATE HOLE LOCATION	K-CO-G180-0-4	1

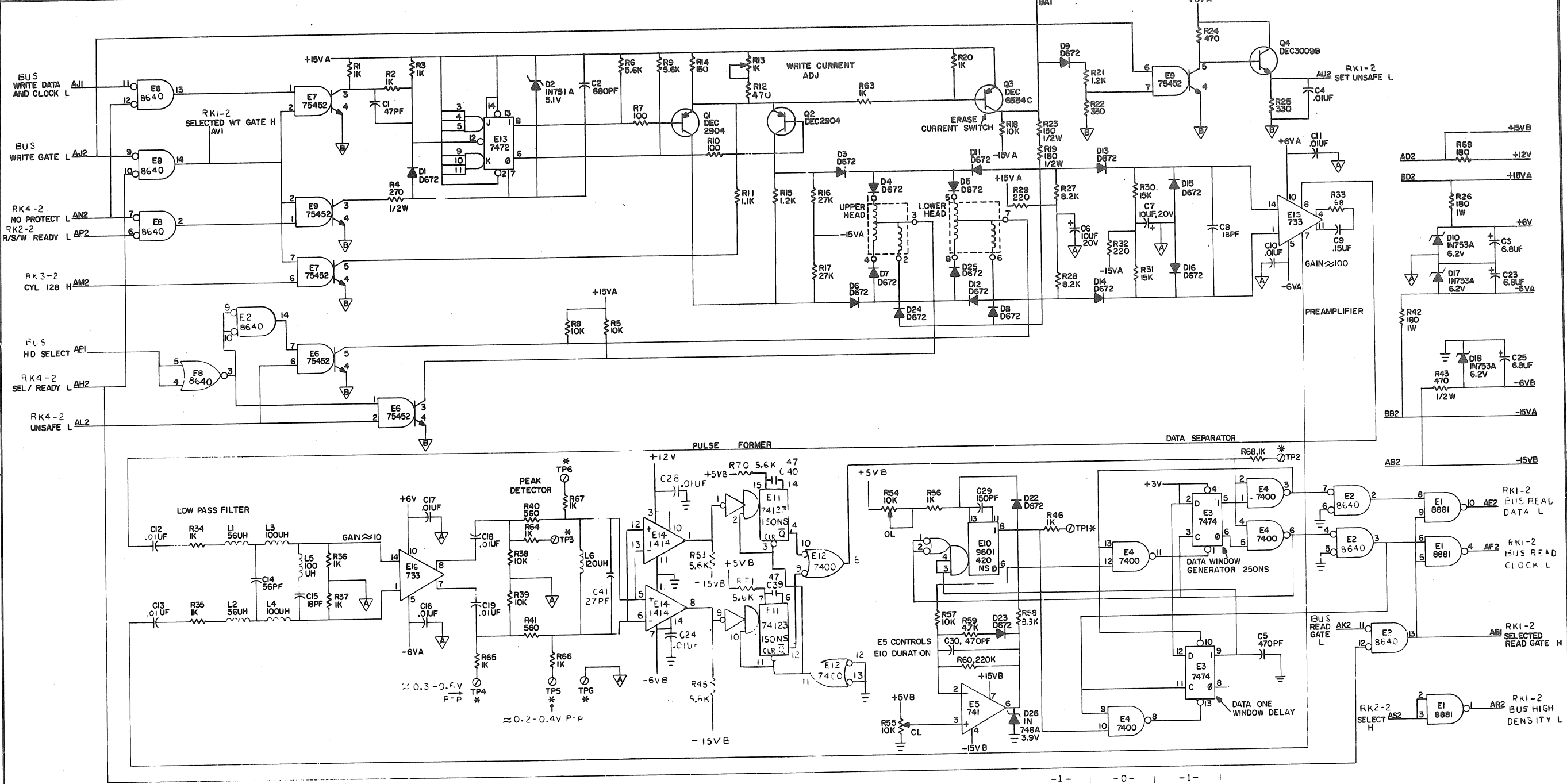
PARTS LIST			
QTY	REF. DESIGNATION	DESCRIPTION	PART NO.
ETCH BOARD REV.			
DRN.	R. DOUCETTE	DATE	10-22-71
CHK'D.	NANCY MOORE	DATE	11-30-71
ENG.	DALE JENSEN	DATE	1-22-72
PROJ. ENG.	A. KARLSBERG	DATE	1-22-72
PROD.		DATE	
NEXT HIGHER ASSY			
SCALE	D 1/8"	NUMBER	G180-0-1
SHEET	1 OF 2	DIST.	

SEMICONDUCTOR CONVERSION CHART

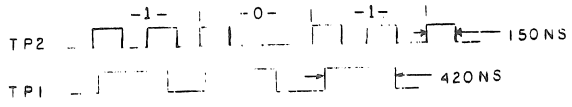


TITLE
DEC PACK READ/
WRITE

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UNLESS OTHERWISE INDICATED:
* INDICATES SWAGE LUG
▽ = ANALOG GND "A" BTI
▽ = ANALOG GND "B" ATI
⊥ = DIGITAL GND AC2
----- COMPONENTS NOT MOUNTED ON BOARD
ALL TIMES INDICATED ARE NOMINAL



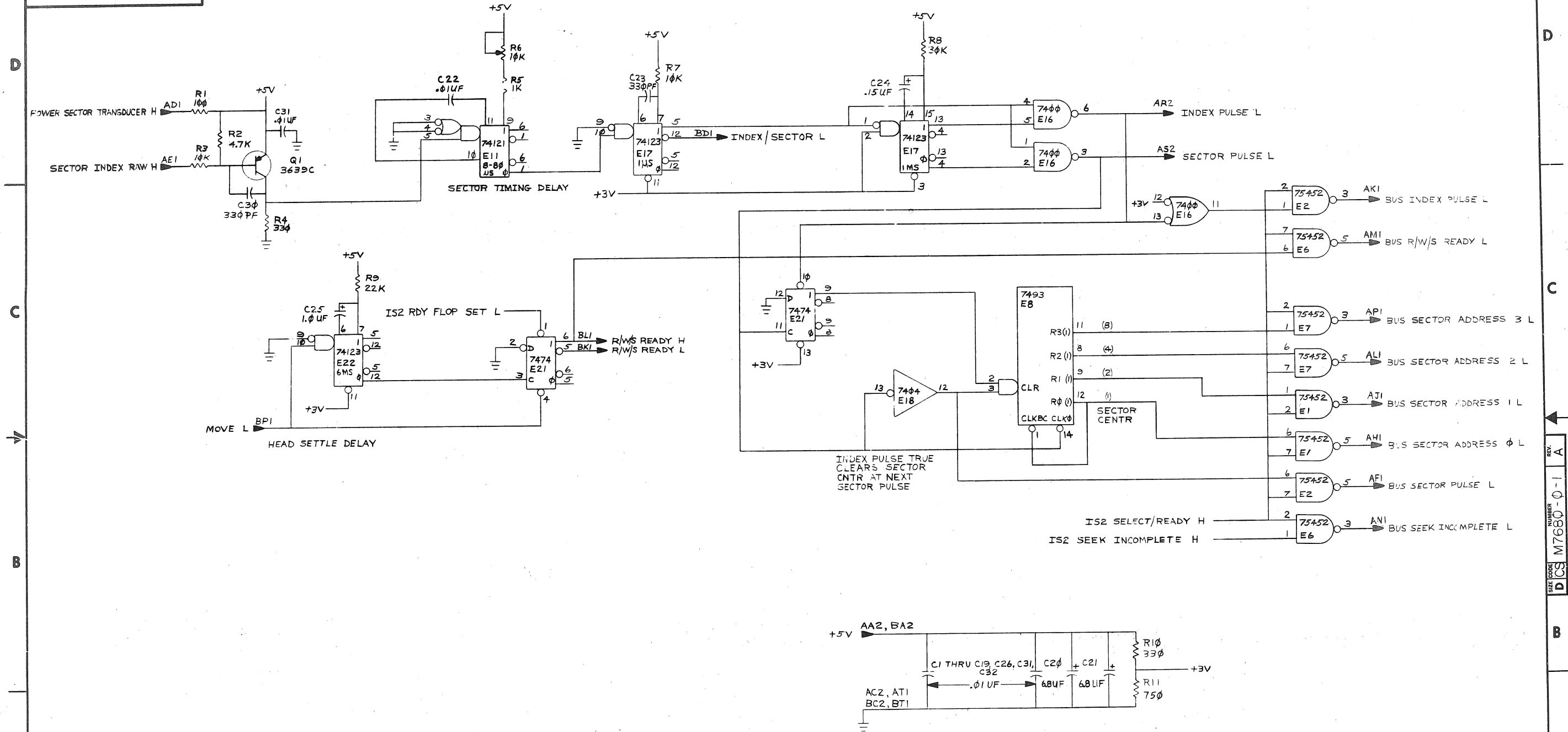
SLOT -1

TRANSISTOR & DIODE CONVERSION CHART				TITLE			
DEC	EIA	DEC	EIA	DEC	EIA	DEC	EIA
DEC6534C	2N3009	DEC3009B	2N3009	DEC6534C	2N3009	DEC3009B	2N3009
DEC2904	2N2108A	DEC2904	2N2108A	DEC2904	2N2108A	DEC2904	2N2108A
DEC2904	2N2108A	DEC2904	2N2108A	DEC2904	2N2108A	DEC2904	2N2108A

DATE	10/11/71	DATE	10/11/71	DATE	10/11/71	DATE	10/11/71
CHKD	W. H. H.	CHKD	W. H. H.	CHKD	W. H. H.	CHKD	W. H. H.
ENG	W. H. H.	ENG	W. H. H.	ENG	W. H. H.	ENG	W. H. H.
PROD	W. H. H.	PROD	W. H. H.	PROD	W. H. H.	PROD	W. H. H.

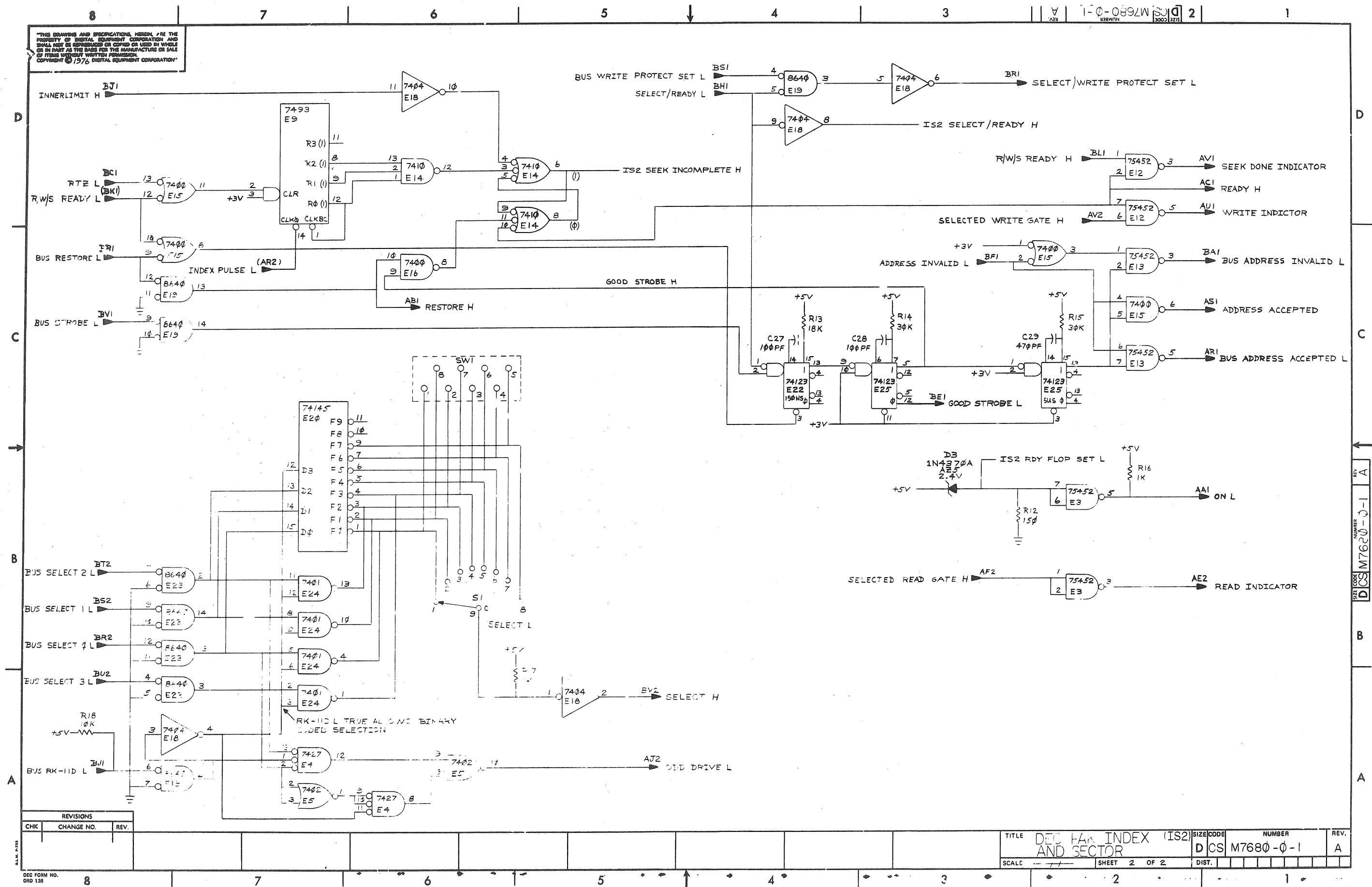
digital EQUIPMENT CORPORATION		TITLE DEC PACK READ/WRITE RK1-2	
SIZE D	CODE CS	NUMBER G187-0-1	REV N
PRINTED CIRCUIT REV. L		SHEET 2 OF 2	

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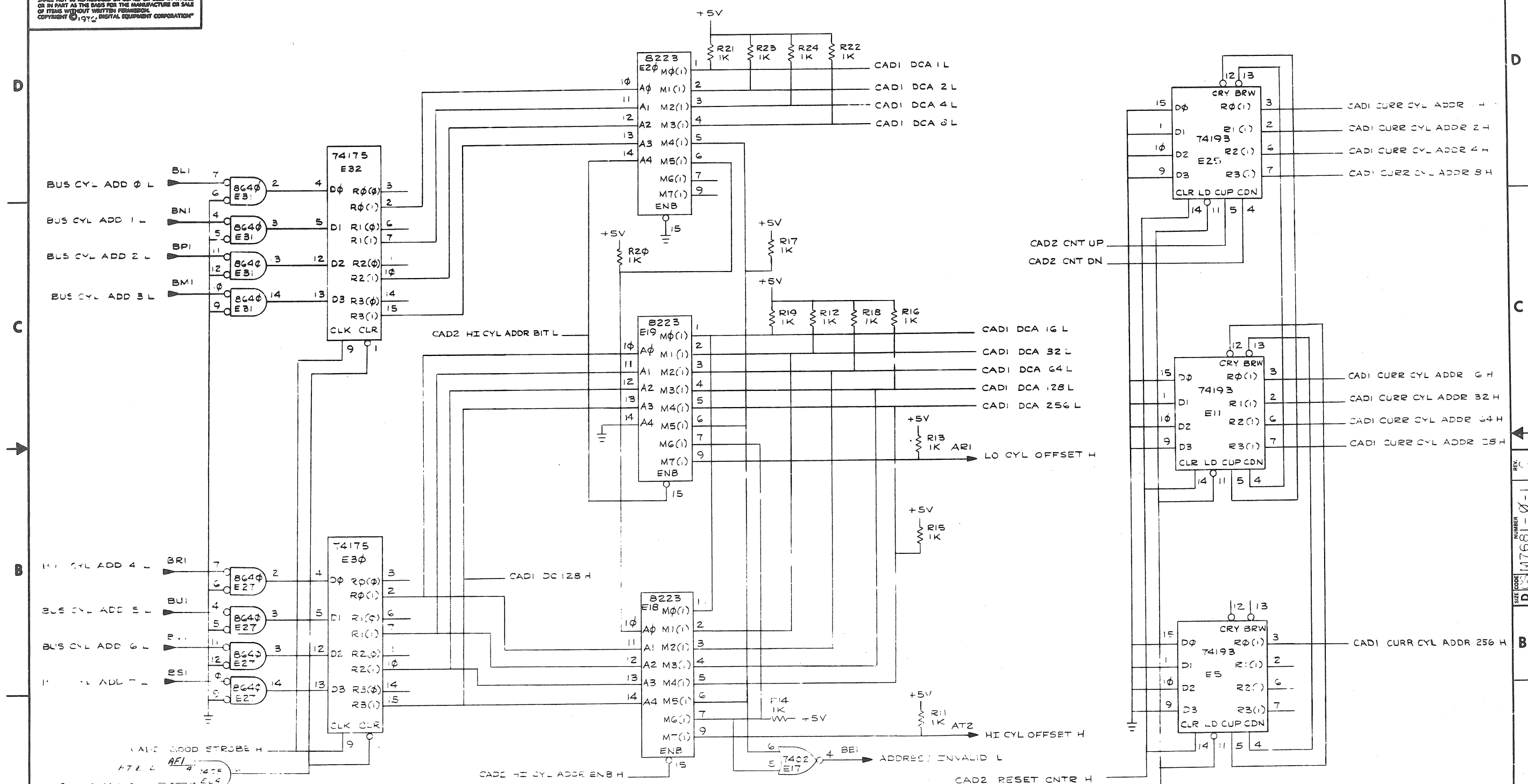


REV.	CHANGE NO.
1	1

DRN. <i>[Signature]</i>	22 JAN 76	FIRST USED ON	digital
CHK'D <i>[Signature]</i>	3 FEB 76	TITLE	DEC PAK INDEX AND SECTOR (ISI)
ENG. <i>[Signature]</i>		SIZE	D
PROJ. ENGR. <i>[Signature]</i>		CODE	CS
PROD. <i>[Signature]</i>	25 FEB 76	NUMBER	M7680-0-1
NEXT HIGHER ASSY.		REVISION	A
D-UA-M7680-0-0		SCALE	
SHEET 1 OF 2		DIST.	



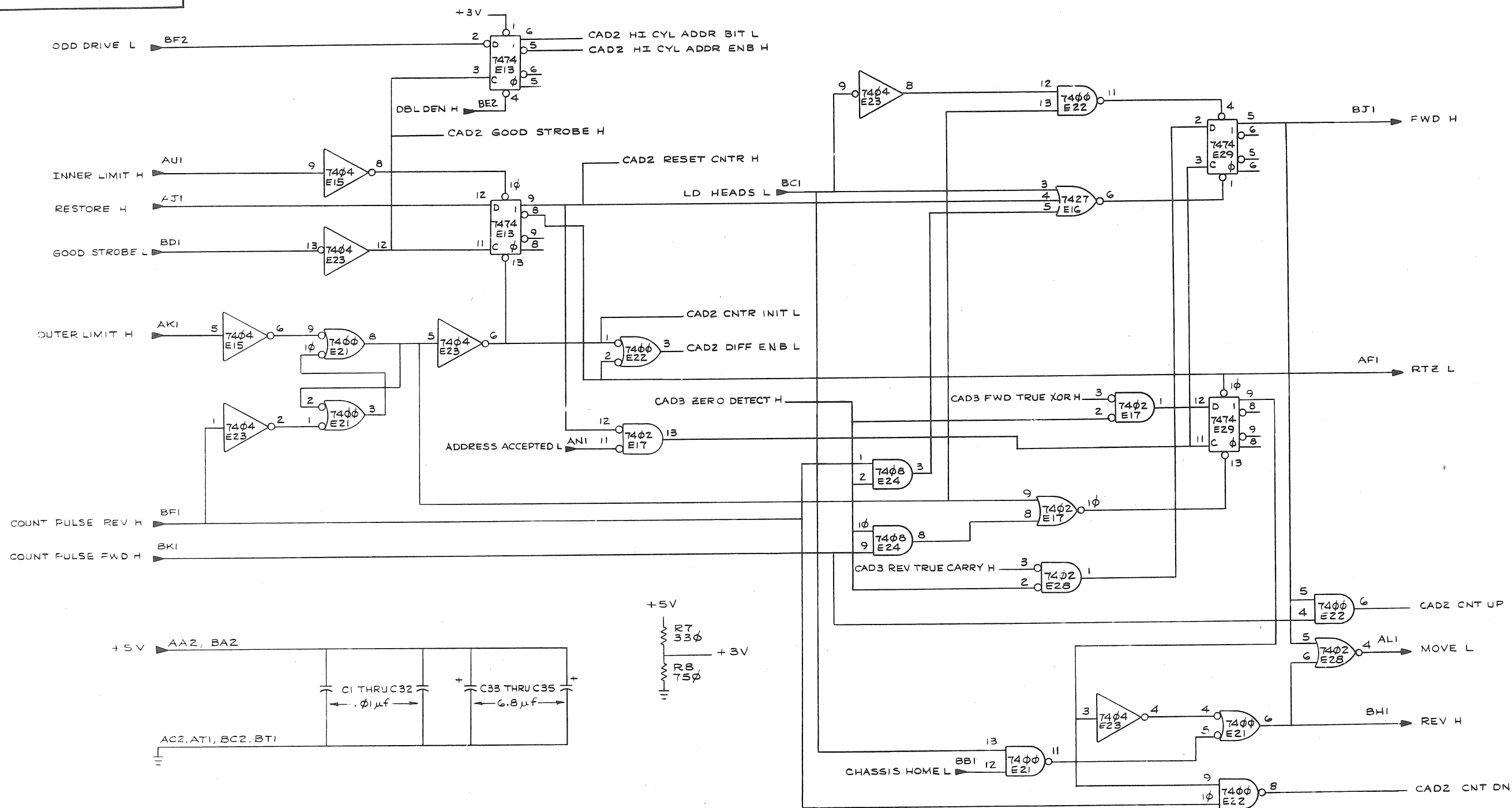
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REV.	CHG.	NO.	DATE	BY	CHK.
1			1/21/76	W. J. M.	
2			2/2/76	W. J. M.	
3			2/2/76	W. J. M.	
4			2/2/76	W. J. M.	
5			2/2/76	W. J. M.	
6			2/2/76	W. J. M.	
7			2/2/76	W. J. M.	
8			2/2/76	W. J. M.	

DRN. 1176-01-001		FIRST USED ON		RK05F	
CHK'D BY W. J. M.		2/2/76		TITLE CYLINDER ADDRESS AND DIFFERENCE (CADI)	
ENG. W. J. M.				SIZE CODE NUMBER REV.	
PROJ. ENG. W. J. M.				D CS M7681-0-1	
PROD. W. J. M.					
NEXT HIGHER ASSY. RK05F					
T-UP-M7681-0-0					
SCALE 1 OF 3					
SHEET 1 OF 3					

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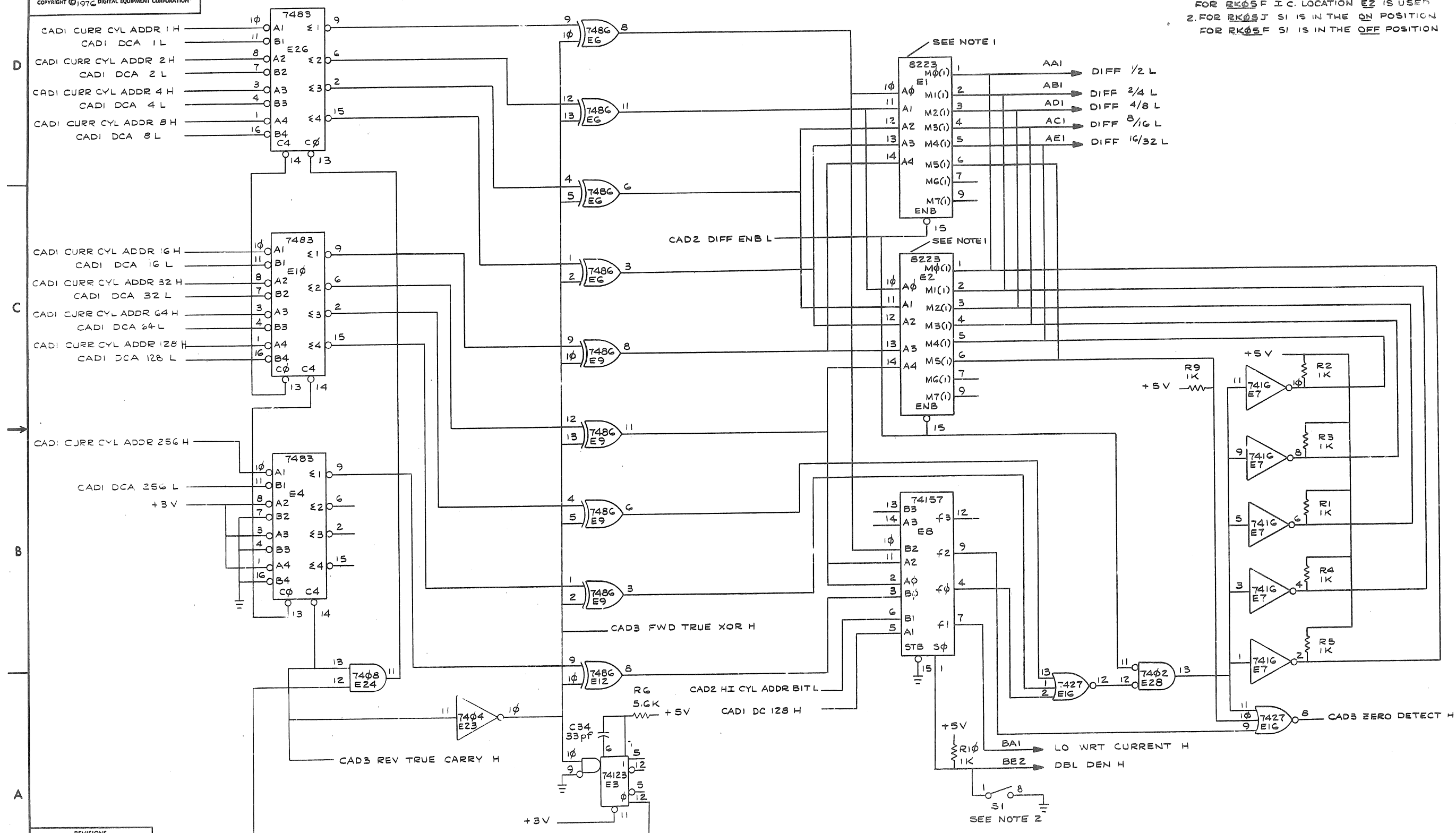
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
CYLINDER ADDRESS AND DIFFERENCE (CAD2)		D CS	M7681-0-1	C
SCALE		SHEET 2 OF 3		

REV. C
NUMBER M7681-0-1
SIZE CODE DCS

NOTE:

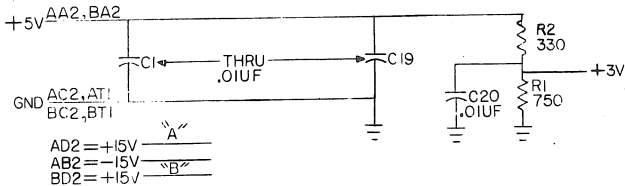
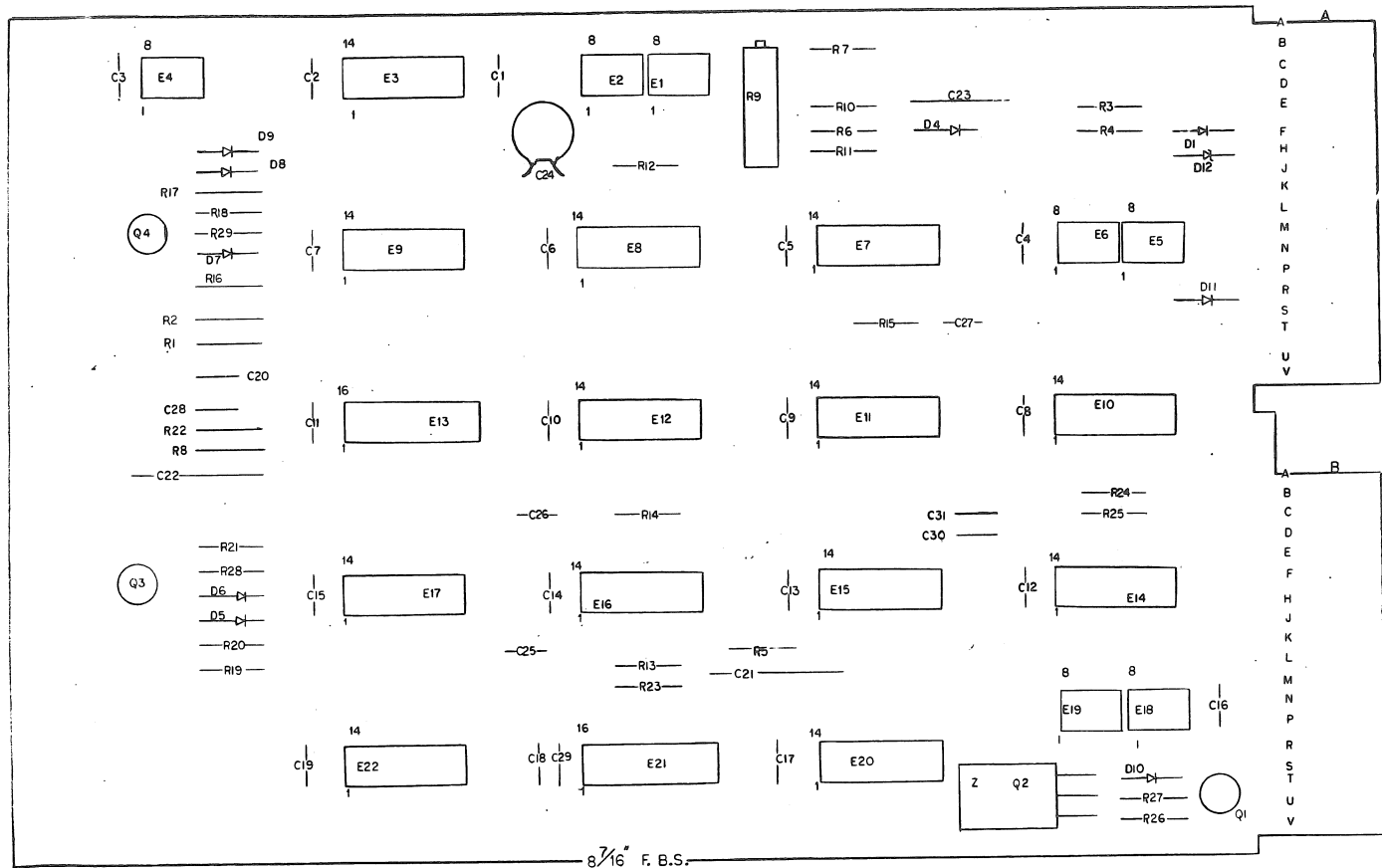
1. FOR RK05J I.C. LOCATION E1 IS USED
FOR RK05F I.C. LOCATION E2 IS USED
2. FOR RK05J SI IS IN THE ON POSITION
FOR RK05F SI IS IN THE OFF POSITION



REVISIONS		
CHK	CHANGE NO.	REV.

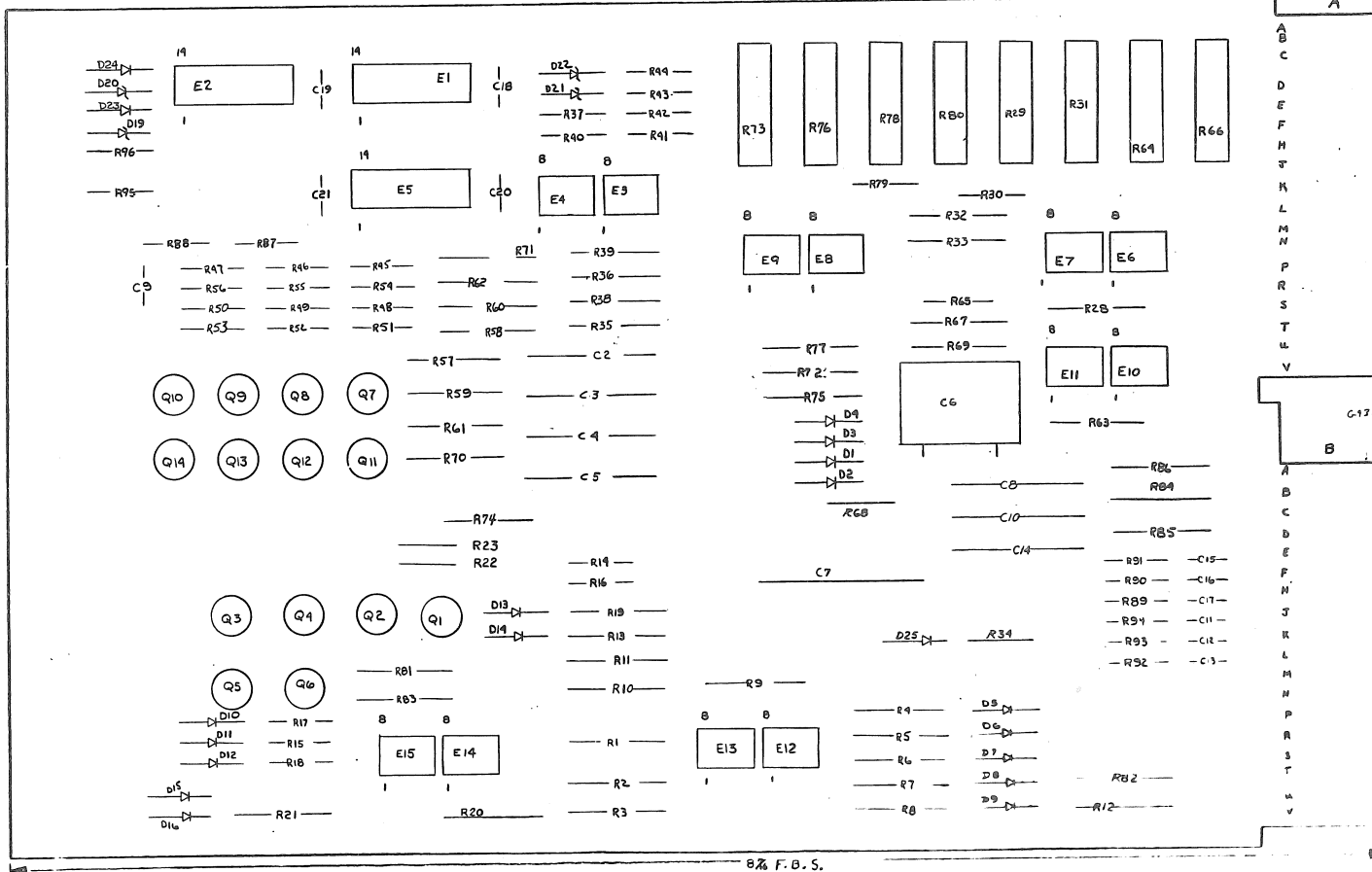
TITLE CYLINDER ADDRESS AND DIFFERENCE (CAD3)		SIZE CODE DCS	NUMBER M7681-Ø-1		REVISION
SCALE	SHEET 3 OF 3	DIST.			

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REV	CHK	CHANGE NO.	REV	CHK	CHANGE NO.	REV	CHK	CHANGE NO.	REV	CHK	CHANGE NO.

NOTES:



4	8	Q1,THRU Q4,Q11,THRU,Q14	TRANSISTOR 2N5245	1509681	49	REF	REF	X-Y COORDINATE HOLE LOCATION	K-CO-6938-O-4	1	
6	6	Q5 THRU Q10	TRANSISTOR DEC 6534D	1503409-00	50	REF	REF	ASSY/DRILLING HOLE LAYOUT	E-AH-6938-O-5	2	
1	1	E1	I.C. DEC 7404	1909686	51	REF	REF	MODULE ECO HISTORY	B-MH-6938-O-6	3	
1	1	E2	I.C. DEC 7413	1909989	52	1	1	ETCHED CIRCUIT BOARD	5009388	4	
2	2	E3,E4	I.C. DEC 301	1910282	53	4	4	C2,C3,C4,C5	CAR .015 UF 50V 2% POLY CARB	5	
1	1	E5	I.C. DEC 7400	1905575	54	1	1	C6	CAR 8200 PF 100V MICA	1000061	6
7	7	E7,E8,E11,THRU E15	I.C. DEC 72741	1910298-00	55	1	1	C7	CAR .022 UF 100V 10% MYLAR	1002323	7
4	4		EYELET *654-7	9006732	56	3	3	C8,C10,C14	CAR .15UF 20V 10% S. TANT	1004812	8
2	2		HANDLE, FLIP CHIP GREEN	9008337-01	57	11	11	C9,C11,C12,C13,C15 THRU C20	CAR .01UF 100V 20% DISC.	1001610-01	9
A/R	A/R		GRIPLET	1210244-0	58	7	7	D1 THRU D4,D23 THRU D25	DIODE D662	1100113	10
1	—	R22	RES 200K, 1/8W, 1%	1305336	59	10	10	D5 THRU D14	DIODE D664	1100114	11
1	—	R23	RES 137K, 1/8W, 1%	1305442	60	2	2	D15, D16	DIODE IN758A 10V	1100125	12
2	—	R13,R19	RES 9.09K, 1/8W, 1%	1304855	61	4	4	D19 THRU D22	DIODE IN746A	1104860	13
1	—	R74	RES 2.94K, 1/8W, 1%	1301981	62	7	7	R1,R15,R17,R46,R49,R52,R55	RES. 15K 1/4 W 5%	1300496	14
3	3	E6,E9,E10	IC DEC 72741	1910298-01	63	1	1	R2	RES 13.3K 1/4 W 1% MF	1312565	15

1	1	R2	RES. 13.3K 1/4W 1% MF	1312565	15
1	1	R3	RES. 9.09K 1/8W 1% MF	1304855	16
1	-	R4	RES. 34.8K 1/8W 1% MF	1303156	17
-	1	R4	RES. 68.1K 1/8W 1% MF	1305252	18
1	-	R5	RES. 34.8K 1/8W 1% MF	1303156	19
1	-	R5	RES. 21.5K 1/8W 1% MF	1303155	20
1	-	R6	RES. 11.5K 1/8W 1% MF	1309415	21
-	1	R6	RES. 21.5K 1/8W 1% MF	1303155	22
1	-	R7	RES. 5.62K 1/8W 1% MF	1305128	23
-	1	R7	RES. 11.5K 1/8W 1% MF	1309415	24
1	-	R8	RES. 2.74K 1/8W 1%	1304868	25
-	1	R8	RES. 5.62K 1/8W 1%	1305128	26
5	5	R9, R57, R59, R61, R70	RES. 10K 1/8W 1% MF	1303312	27
12	12	R10, R1, R32, R33, R35, R36, R38, R39, R67, R69, R84, R83.	RES. 19.6K 1/8W 1% MF	1309419	28
2	2	R12, R72	RES. 6.81K 1/8W 1% MF	1304870	29
-	2	R13, R19	RES. 4.64K 1/8W 1% MF	1304856	30
9	9	R14, R16, R43, R44, R45, R48, R51, R54, R68	RES. 1.5K 1/4W 5%	1300391	31
5	5	R18, R47, R50, R53, R56	RES. 3.9K 1/4W 5%	1300444	32
1	1	R20	RES. 200K 1/8W 1% MF	1305336	33
1	1	R21	RES. 3.83K 1/8W 1% MF	1309413	34
-	1	R22	RES. 100K 1/4W 5%	1302466	35
5	6	R23, R30, R41, R42, R65, R79	RES. 75K 1/4W 5%	1304841	36
5	5	R29, R64, R73, R76, R78	POT. 10K 3/4W 20% 76 PR	1309143-10	37
3	3	R31, R66, R80	POT. 2K 3/4W 10% 76 PR	1309143-08	38
3	3	R37, R40, R87	RES. 330 1/4W 5%	1300295	39
5	5	R58, R60, R62, R71, R82	RES. 511 1/8W 1% MF	1302411	40
1	1	R75	RES. 24.3K 1/8W 1% MF	1309418	41
2	2	R84, R85	RES. 10 3/2W 5%	1300168	42
1	1	R86	RES. 2.7 3/2W 10%	1309444	43
6	6	R89, THRU R99	RES. 22 3/4W 5%	1301969	44
1	1	R88	RES. 750 3/4W 5%	1301401	45
3	3	R20, R63, R77	RES. 1.96K 3/8W 1% MF	1304833	46
-	1	R74	RES. 1.47K 1/8W 1% MF	1305108	47
3	3	R34, R95, R96	RES. 10K 3/4W 5%	1300479	48

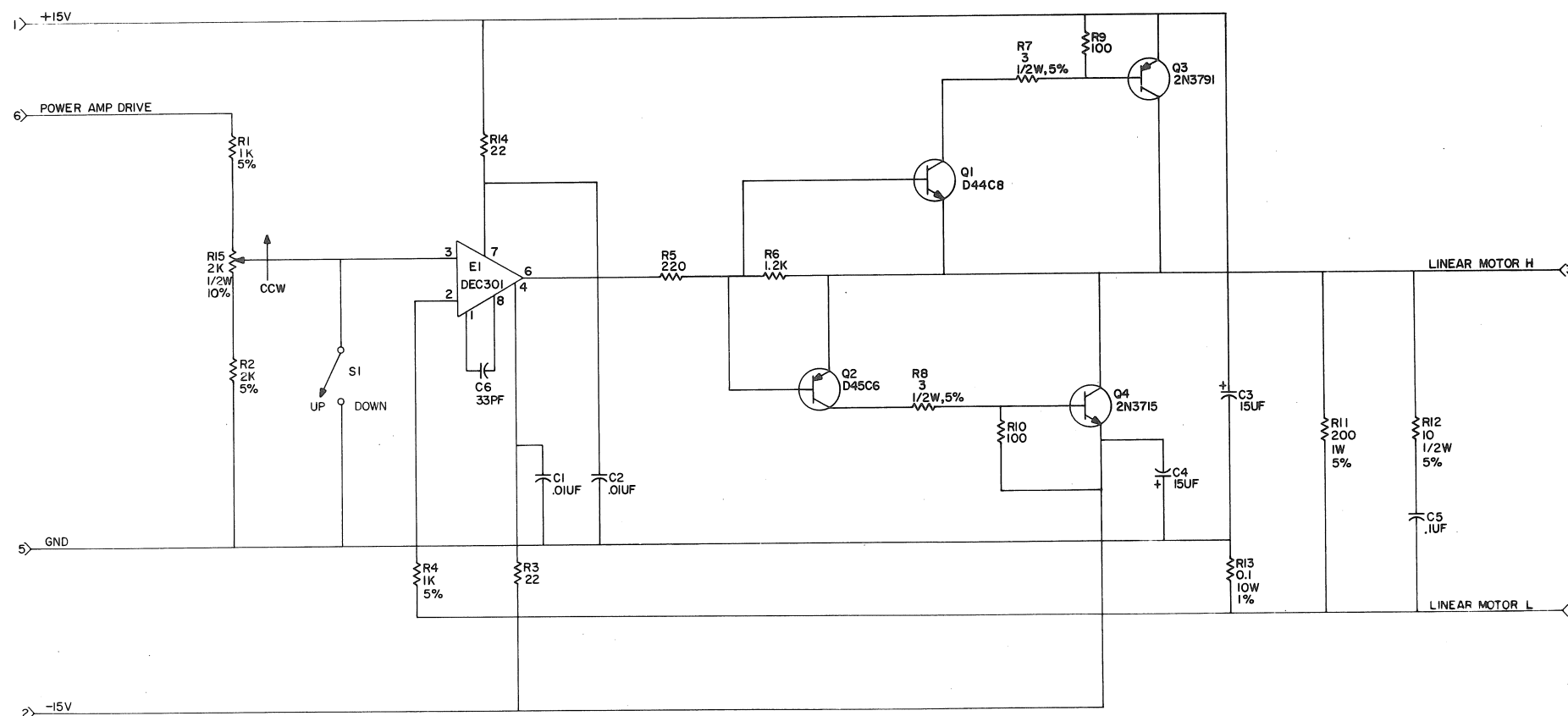
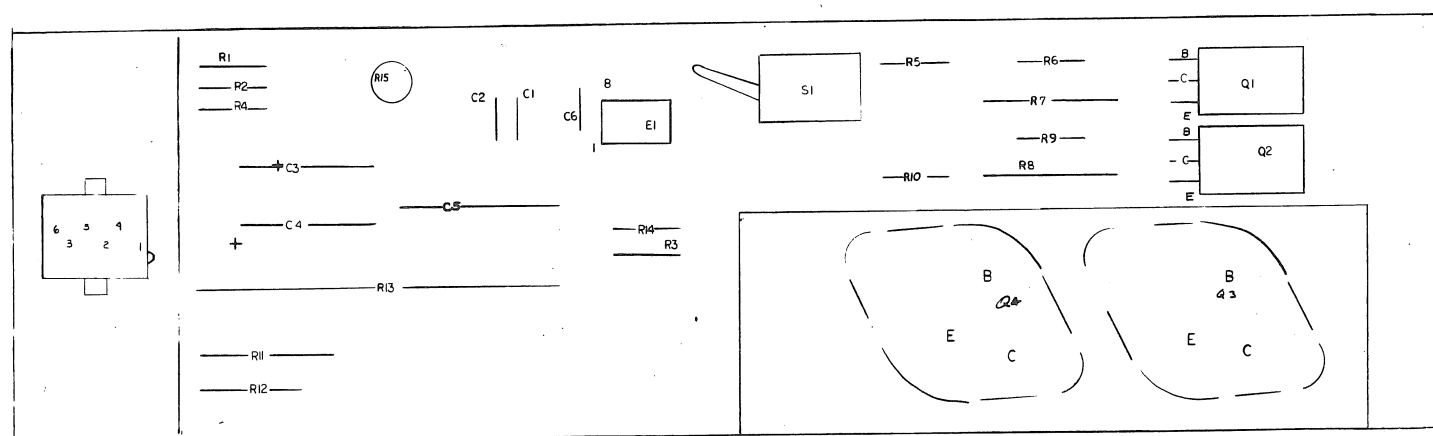
72741	SEE SHT 2	
LM301	SEE SHT 2	
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

G		QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.	
FIRST USED ON OPTION MODEL						PARTS LIST					
ETCH BOARD REV.						K					
2340		NONE				DRN. R. DOUCETTE		DATE 12-9-71		digital	
2340						CHK'D. DEVALL		DATE 12-9-71			
2340		1845				ENG. D. JENSEN		DATE 12-30-71			
2340		N3606				PROJ. ENG. D. JENSEN		DATE 12-30-71			
17404		NAME				PROD. A. KARLSBERG		DATE 2-3-72			
						NEXT HIGHER ASSY					
DEC. NO.		EIA NO.		DEC. NO.		EIA NO.		SIZE D CODE		NUMBER G938-0-1	
								REV. S			

SCALE _____ OF 2

SHEET 1 OF 2

DIGITAL SEMICONDUCTOR CONVERSION CHART



UNLESS OTHERWISE INDICATED:
RES. ARE 1/4W, 10%
R13 IS A CURRENT SAMPLING RES.

REVIEWS	CHRG NO	REV
CHRG	00001	F
B. Jensen 2-14-72		
D. JENSEN		
CHRG	00002	H
B. Jensen 4-9-72		
D. JENSEN		
B. Jensen 5-13-72		
S. B. Jensen 1-13-73		
D. JENSEN		
B. Jensen 2-14-72		
00004 K		
JENSEN 2-14-72		
J. RINALDI		
S. M. Jensen 2-14-72		

DRM	DATE
B. Haile	11/30/74
CHK'D	DATE
	12-7-74
ENG	DATE
Dale J. Jensen	10 Jan 75
PROD	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
2N3715			
D45C6			
D44C8			

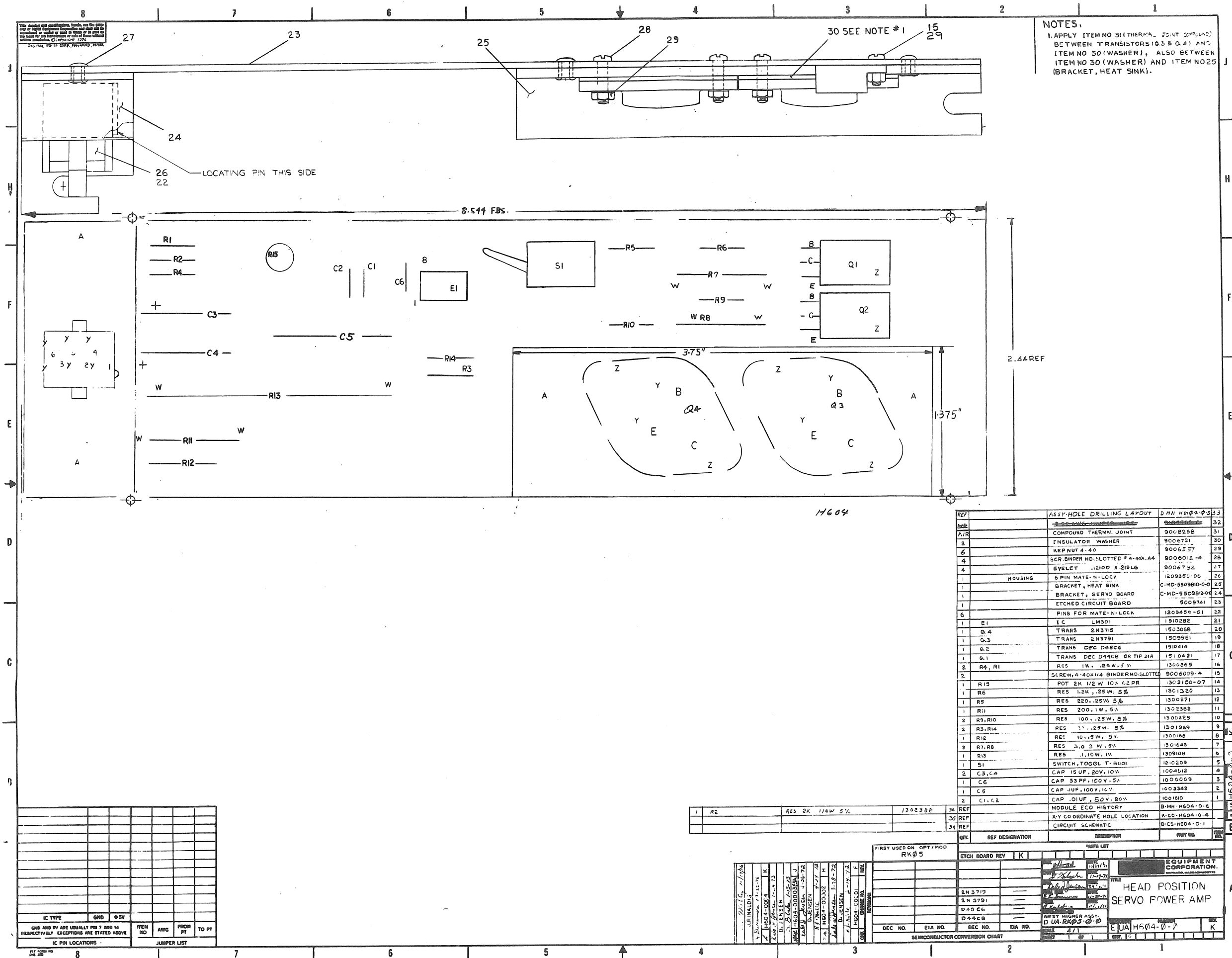
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE DECPAK HEAD POS.
SERVO PWR. AMP.

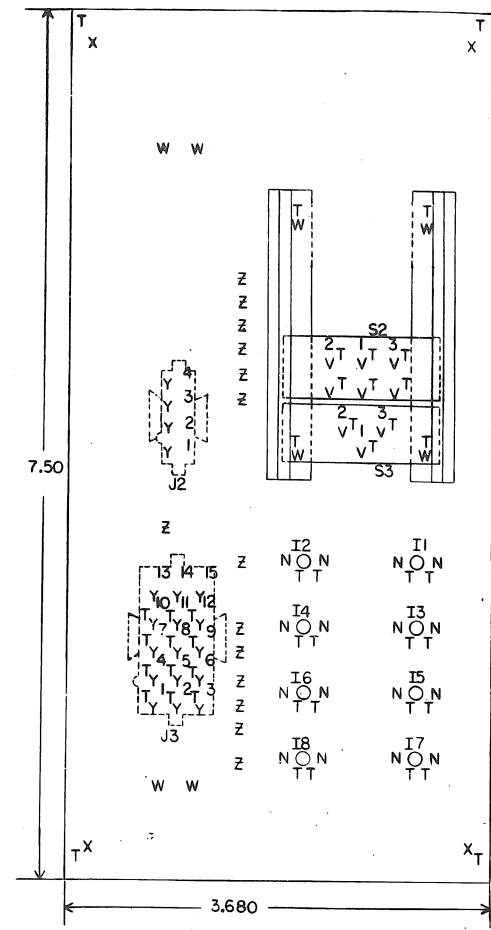
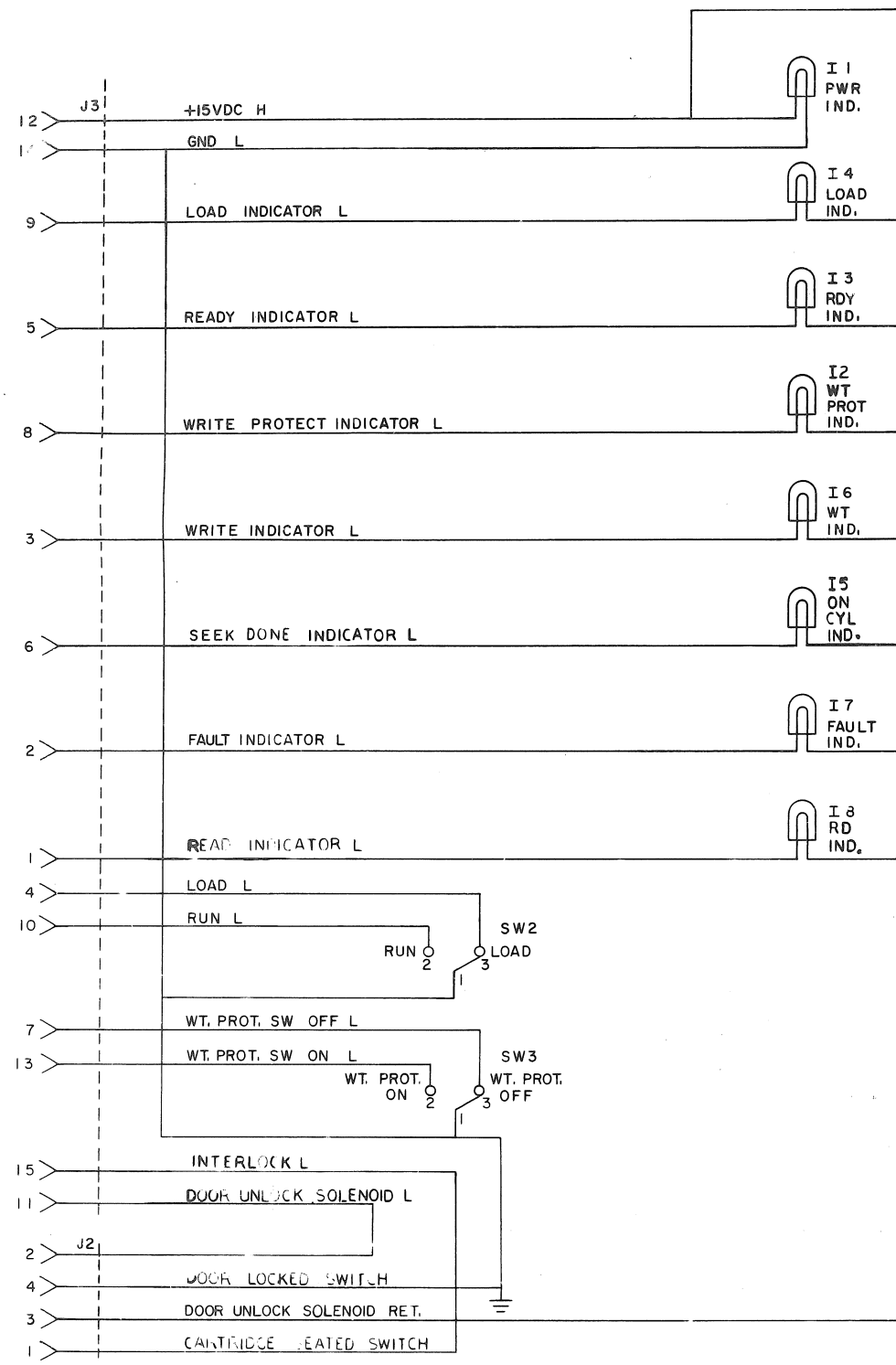
SIZE D	CODE CS	NUMBER H604-0-1
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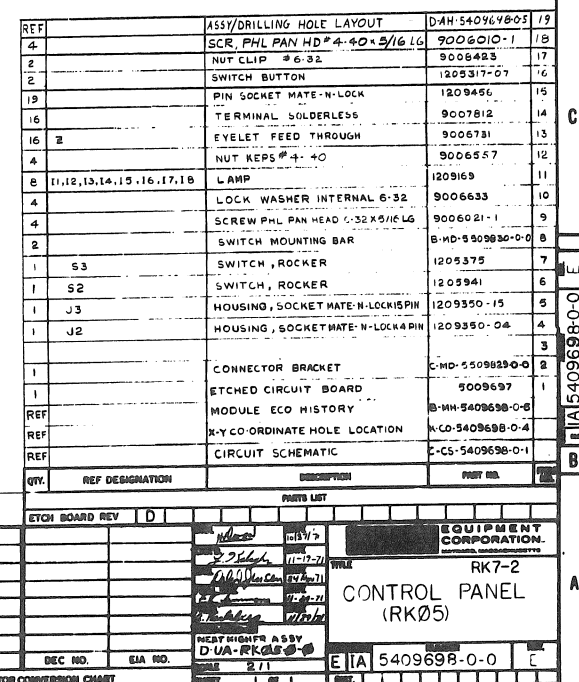
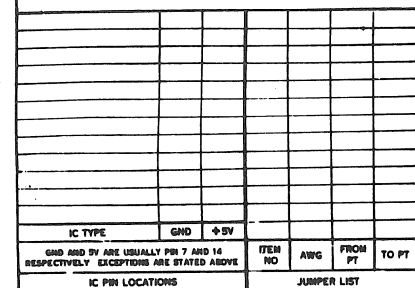
PRINTED CIRCUIT REV

K		
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THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1971 BY DIGITAL EQUIPMENT CORPORATION

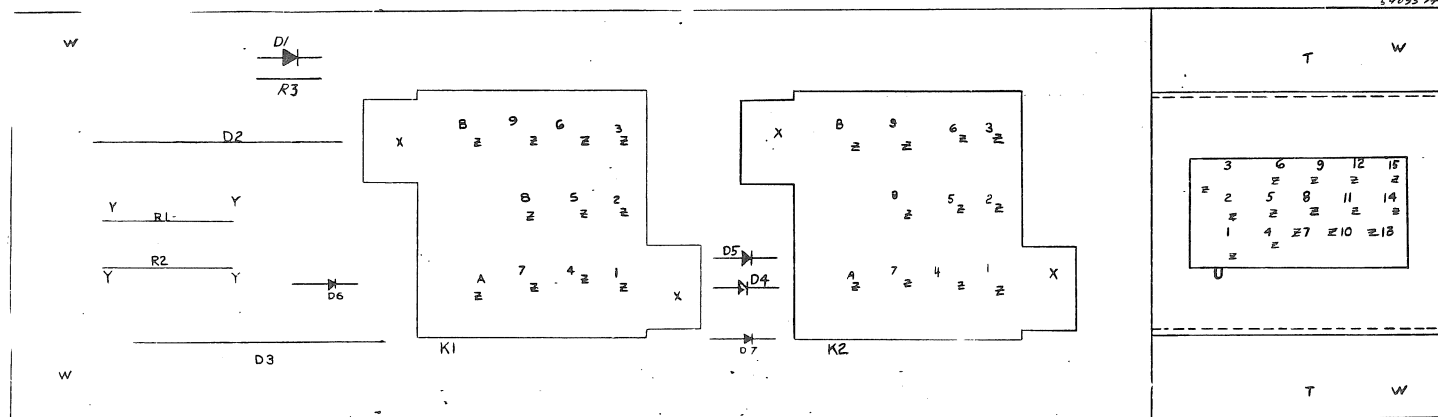
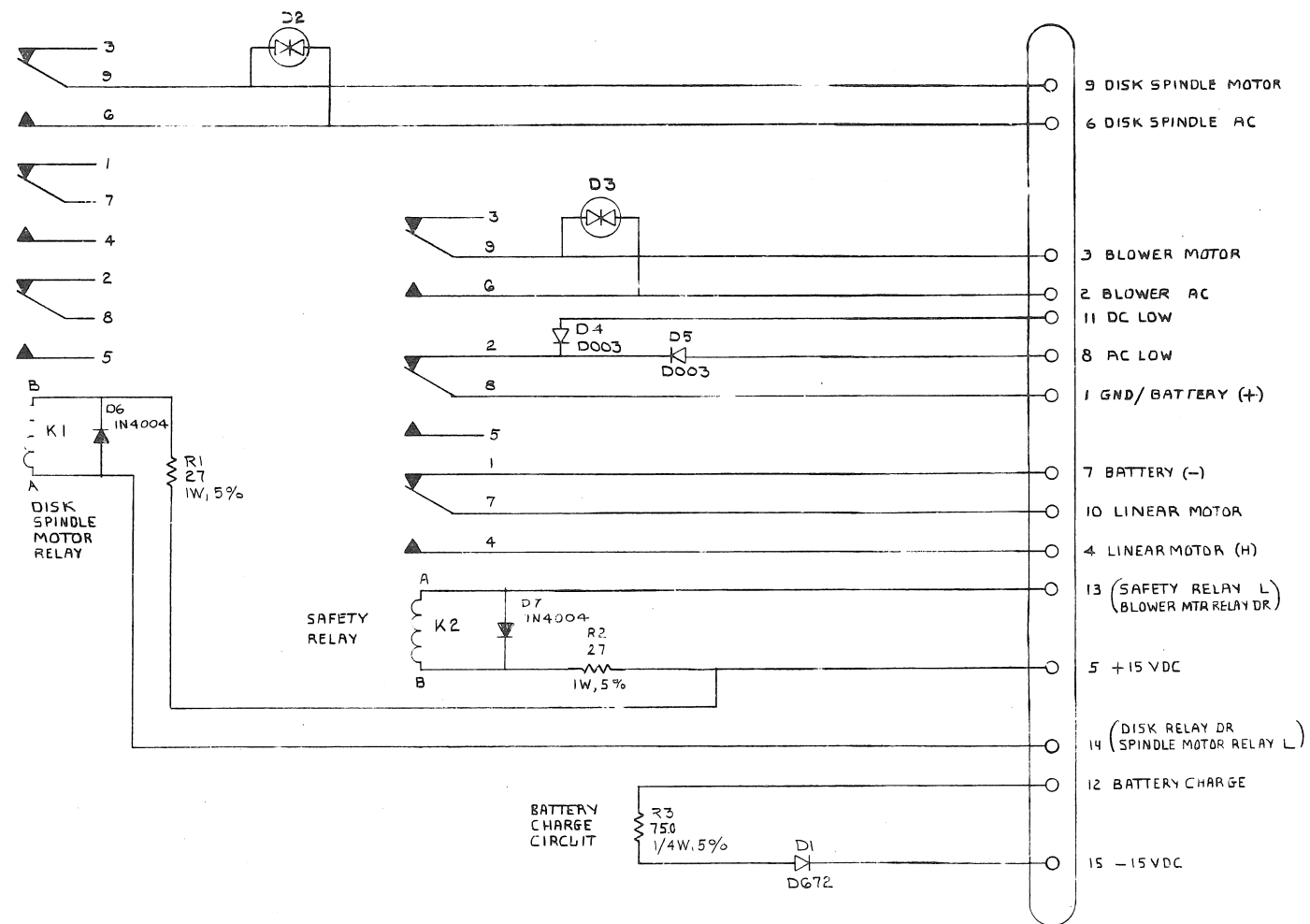




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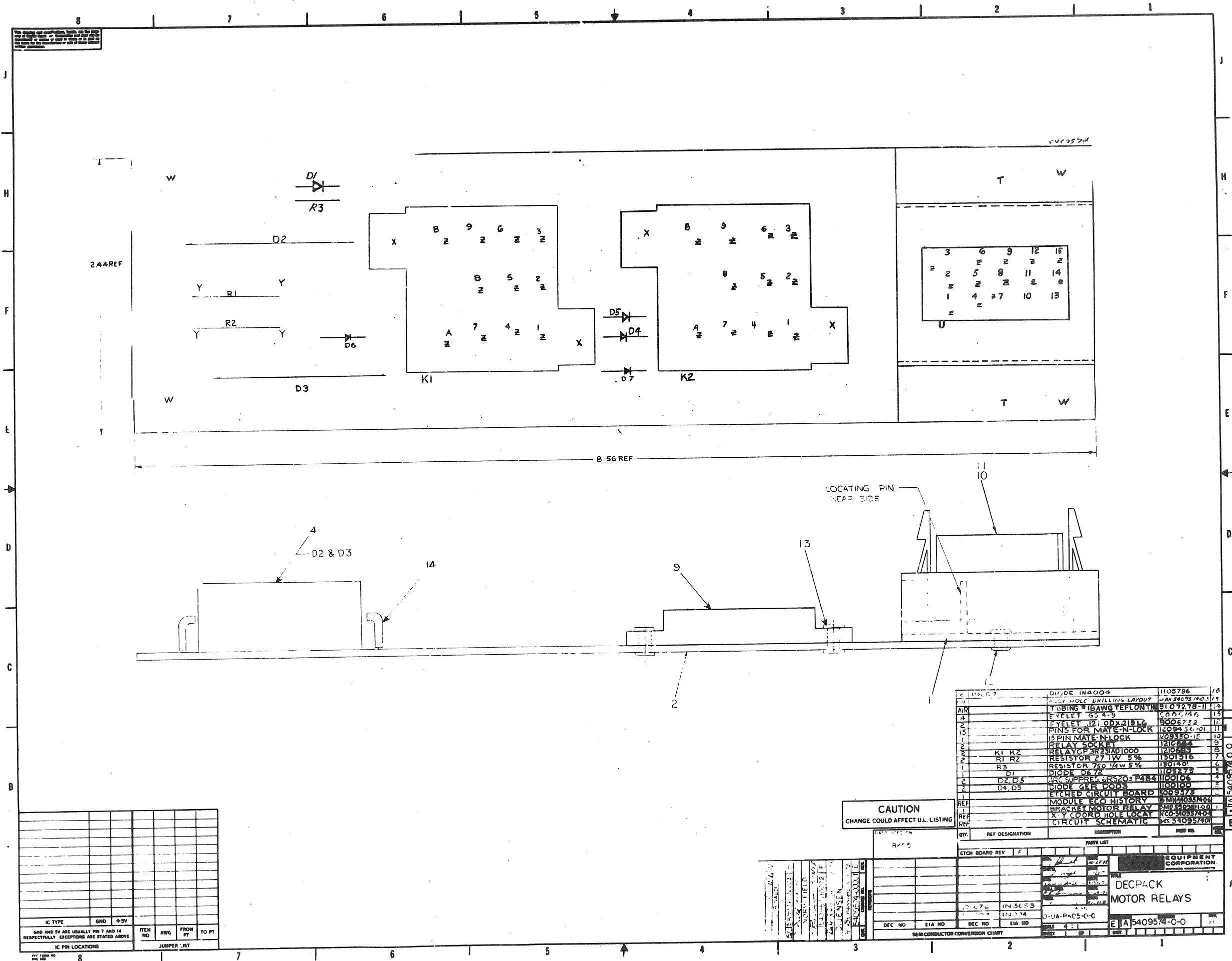
NOTE:

1. RELAY CONTACTS ARE SHOWN IN THE DE-ENERGIZED POSITIONS.
2. SAFETY RELAY L AND BLOWER MTR RELAY DR ARE THE SAME SIGNAL.
3. SPINDLE MOTOR RELAY L AND DISK RELAY DR ARE THE SAME SIGNAL.
4. THIS MODULE MUST BE UL APPROVED



3	6	9	12	15
2	5	8	11	14
1	4	7	10	13

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	F			
DRN. ROYCE J	DATE 12-9-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D. J. ROYCE	DATE 12-15-71			
ENG. J. ROYCE	DATE 12-15-71			
PROD. J. ROYCE	DATE 12-15-71			
NEXT HIGHER ASSY		TITLE DEC PACK MOTOR RELAYS		
DEC NO.	EIA NO.	DEC NO.	EIA NO.	REV.
SEMICONDUCTOR CONVERSION CHART				
SCALE	SHEET	OF	DIST.	



IC TYPE	END	SV	ITEM NO.	AWG	FROM PT	TO PT
END AND SV ARE USUALLY P1, 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.						
JUMPER LIST						
IC PIN LOCATIONS						

CAUTION
CHANGE COULD AFFECT U.L. LISTING

QTY.	REF. DESIGNATION	DESCRIPTION	PART NO.
2	D6, D7	DIODE IN4004	1105796
1		WELL HOLE DRILLING LAYOUT	1105796-1
1		TUBING 1/8" AWG TEFLON	1105796-2
4		EYELET .05 4-9	1105796-3
2		EYELET .05 2-18 1/2	1105796-4
2		PINS FOR MATE-N-LOCK	1105796-5
15		15 PIN MATE-N-LOCK	1105796-6
2		RELAY SOCKET	1105796-7
2	K1, K2	RELAY GP 3251AD1000	1105796-8
2	R1, R2	RESISTOR 27 1W 5%	1105796-9
1	R3	RESISTOR 750 1/4W 5%	1105796-10
1	D1	DIODE 1N4004	1105796-11
2	D2, D3	DIODE SUPPRESSOR RS205 P484	1105796-12
2	D4, D5	DIODE GER P003	1105796-13
1		ETCHED CIRCUIT BOARD	1105796-14
1		MODULE ECO HISTORY	1105796-15
1		BRACKET MOTOR RELAY	1105796-16
1		X-Y COORD HOLE LOCATOR	1105796-17
1		CIRCUIT SCHEMATIC	1105796-18

QTY.	REF. DESIGNATION	DESCRIPTION	PART NO.
1		ETCH BOARD REV F	1105796-19
1		ETCH BOARD REV F	1105796-20
1		ETCH BOARD REV F	1105796-21
1		ETCH BOARD REV F	1105796-22
1		ETCH BOARD REV F	1105796-23
1		ETCH BOARD REV F	1105796-24
1		ETCH BOARD REV F	1105796-25
1		ETCH BOARD REV F	1105796-26
1		ETCH BOARD REV F	1105796-27
1		ETCH BOARD REV F	1105796-28
1		ETCH BOARD REV F	1105796-29
1		ETCH BOARD REV F	1105796-30
1		ETCH BOARD REV F	1105796-31
1		ETCH BOARD REV F	1105796-32
1		ETCH BOARD REV F	1105796-33
1		ETCH BOARD REV F	1105796-34
1		ETCH BOARD REV F	1105796-35
1		ETCH BOARD REV F	1105796-36
1		ETCH BOARD REV F	1105796-37
1		ETCH BOARD REV F	1105796-38
1		ETCH BOARD REV F	1105796-39
1		ETCH BOARD REV F	1105796-40
1		ETCH BOARD REV F	1105796-41
1		ETCH BOARD REV F	1105796-42
1		ETCH BOARD REV F	1105796-43
1		ETCH BOARD REV F	1105796-44
1		ETCH BOARD REV F	1105796-45
1		ETCH BOARD REV F	1105796-46
1		ETCH BOARD REV F	1105796-47
1		ETCH BOARD REV F	1105796-48
1		ETCH BOARD REV F	1105796-49
1		ETCH BOARD REV F	1105796-50
1		ETCH BOARD REV F	1105796-51
1		ETCH BOARD REV F	1105796-52
1		ETCH BOARD REV F	1105796-53
1		ETCH BOARD REV F	1105796-54
1		ETCH BOARD REV F	1105796-55
1		ETCH BOARD REV F	1105796-56
1		ETCH BOARD REV F	1105796-57
1		ETCH BOARD REV F	1105796-58
1		ETCH BOARD REV F	1105796-59
1		ETCH BOARD REV F	1105796-60
1		ETCH BOARD REV F	1105796-61
1		ETCH BOARD REV F	1105796-62
1		ETCH BOARD REV F	1105796-63
1		ETCH BOARD REV F	1105796-64
1		ETCH BOARD REV F	1105796-65
1		ETCH BOARD REV F	1105796-66
1		ETCH BOARD REV F	1105796-67
1		ETCH BOARD REV F	1105796-68
1		ETCH BOARD REV F	1105796-69
1		ETCH BOARD REV F	1105796-70
1		ETCH BOARD REV F	1105796-71
1		ETCH BOARD REV F	1105796-72
1		ETCH BOARD REV F	1105796-73
1		ETCH BOARD REV F	1105796-74
1		ETCH BOARD REV F	1105796-75
1		ETCH BOARD REV F	1105796-76
1		ETCH BOARD REV F	1105796-77
1		ETCH BOARD REV F	1105796-78
1		ETCH BOARD REV F	1105796-79
1		ETCH BOARD REV F	1105796-80
1		ETCH BOARD REV F	1105796-81
1		ETCH BOARD REV F	1105796-82
1		ETCH BOARD REV F	1105796-83
1		ETCH BOARD REV F	1105796-84
1		ETCH BOARD REV F	1105796-85
1		ETCH BOARD REV F	1105796-86
1		ETCH BOARD REV F	1105796-87
1		ETCH BOARD REV F	1105796-88
1		ETCH BOARD REV F	1105796-89
1		ETCH BOARD REV F	1105796-90
1		ETCH BOARD REV F	1105796-91
1		ETCH BOARD REV F	1105796-92
1		ETCH BOARD REV F	1105796-93
1		ETCH BOARD REV F	1105796-94
1		ETCH BOARD REV F	1105796-95
1		ETCH BOARD REV F	1105796-96
1		ETCH BOARD REV F	1105796-97
1		ETCH BOARD REV F	1105796-98
1		ETCH BOARD REV F	1105796-99
1		ETCH BOARD REV F	1105796-100

EQUIPMENT CORPORATION
DECPACK
MOTOR RELAYS

EIA 5409574-C-0

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INTERFACE CABLE

FILE READY
HEAD SELECT L
WRITE PROTECT STATUS L
ERASE GATE
WRITE CHECK L
SEEK INCOMPLETE
R/W/S READY L
WRITE GATE L
STROBE L
SELECT 0 L
ADDRESS INVALID
SELECT 1 L
ADDRESS ACCEPTED L
SELECT 2 L
READ CLOCK
READ DATA
SELECT 3 L
WRITE DATA AND CLOCK L
SECTOR PULSE L
CYLINDER ADDRESS 0 L
CYLINDER ADDRESS 1 L
CYLINDER ADDRESS 2 L
CYLINDER ADDRESS 3 L
CYLINDER ADDRESS 4 L
CYLINDER ADDRESS 5 L
CYLINDER ADDRESS 6 L
CYLINDER ADDRESS 7 L
INDEX PULSE L
SECTOR ADDRESS 0 L
SECTOR ADDRESS 1 L
SECTOR ADDRESS 2 L
SECTOR ADDRESS 3 L
WRITE PROTECT SET L
RESTORE L
READ GATE L
AC LOW
DC LOW
HIGH DENSITY L

E08-N1
E08-M2
B08-P1
E08-K1
A08-S2
A08-M2
B08-L2
B08-H1
A08-J2
A08-T2
A08-K2
A08-R2
A08-L2
B08-S1
B08-S2
A08-M2
A08-F2
B08-N2
A08-K1
A08-D1
A08-L1
A08-C1
A08-F1
A08-J1
A08-S1
A08-H1
B08-M1
B08-L1
A08-F2
B08-K2
B08-J1
B08-F2
A08-M1
B08-K1
B08-F1
B08-F2
B08-P2

A06 J1
A06 H1
A06 E1
A06 K1
A06 B1
A06 F1
A06 NI
A06 CI
A06 LI
A06 PI
A06 DI
A06 MI
A06 TI
A06 RI
B06 B1
B06 E1
B06 DI
B06 J1
B06 H1
B06 S1
B06 FI
B06 AI
B06 CI

B06 K1 GRN/BLK
B06 L1 GRN/WHT
B06 T1 WHT/BLK
B06 M1 BLU
B06 N1 BLU/BLK
B06 P1 BLU/WHT
BLK
BLK
BLK

GRN
ORN/BLK
RED/WHT
GRN/BLK
BLK/WHT
ORN
BLU/BLK
RED
BLK
GRN/WHT
BLU/WHT
RED/BLK
BLU
WHT/BLK
WHT
BLK/WHT
RED/WHT
RED/BLK
GRN
ORN/BLK
WHT
ORN
BLK
RED

ORN
BLU
WHT
GRY
VIO
YEL
BLK/WHT
ORN/WHT
BLK

READ IND
FAULT IND
WRITE IND
LOAD SW L
READY IND
SEEK DONE (ONCYL)
WRITE PROT SW OFF
WRITE PROT IND
LOAD IND
RUN SW L
DOOR UNLOCK SOLENOID L
+15V
WRITE PROT SW ON
GND
INTERLOCK L

DOOR UNLOCK SOLENOID
WHT
WHT
GRY/ORN
GRY/YEL
COS H
COS L
SIN H
SIN L
LIMIT
LIMIT L
HOMEL
+5 BULB
GND

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

J3
CONTROL PANEL

J2
LINEAR TRANSDUCER

POWER SECTOR TRANSDUCER
SECTOR INDEX RAW
GROUND
GROUND
BATTERY (-)
BATTERY (-)

RED
RED
BLK
WHT
RED
BLK
WHT
RED

RED
BLK
WHT
RED
BLK
WHT
RED
BLK
WHT
RED

- NOTES:
1. SAFETY RELAY AND BLOWER MTR RELAY DR ARE THE SAME SIGNAL.
 2. SPINDLE MOTOR RELAY L AND DISK RELAY DR ARE THE SAME SIGNAL.

REV	DATE	BY	CHK
1	10-24-73	D. JENSEN	
2	11-14-73	D. JENSEN	
3	12-14-73	D. JENSEN	
4	1-14-74	D. JENSEN	
5	2-14-74	D. JENSEN	
6	3-14-74	D. JENSEN	
7	4-14-74	D. JENSEN	
8	5-14-74	D. JENSEN	

ULC FORM NO. 100-102-B

POWER SUPPLY ASSY, H743

GROUND
BATTERY (+)
BATTERY (-)
BLOWER MOTOR
DISK SPINDLE AC
BATTERY (-)
AC LOW
DISK SPINDLE MOTOR
LINEAR MOTOR H
DC LOW
BATTERY CHARGE

(SPINDLE MTR RELAY L, DISK RELAY DR)
(SAFETY RELAY L, BLOWER MTR RELAY DR)

FOR 115V
JUMPER 182 (RED)
384 (WHT)
FOR 230V
JUMPER 283 (RED)

MOTOR RELAY BOARD
5409474

POWER AMPLIFIER BOARD
H604

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK05				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. DATE 11-24-73	CHK'D. DATE 12-21-73	ENG. DATE 12-21-73	PROD. DATE 12-21-73
DECIMALS .005 XX .02 X .1	ANGLES 10° 30'	TITLE C-4-15-10-10 -175		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	MATERIAL NEXT HIGHER ASSY. B-DD-RK05-7			
FINISH	SCALE NONE	SHEET 1 OF 1	DIST.	REV. 1

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY / VARIATION														
ACCESSORY LIST			D DOCUMENT DN DOCUMENT CHANGE NOTICE PA PAPER TAPE ASCII PB PAPER TAPE BINARY PM PAPER TAPE READ-IN-MODE																
MADE BY DATE G. Schneider		CHECKED <i>[Signature]</i> DATE 8/17/72		SECTION															
ENG <i>[Signature]</i> DATE 8/17/72		PROD <i>[Signature]</i> DATE 8/17/72		ISSUED SECT.															
ITEM NO.	DWG NO. / PART NO.		DESCRIPTION																
1	RK05-0		Customer Print Set (B-DD-RK05-0 Sheet one only)			1	1												
2	DEC-RK05-TPB-1		ILLUSTRATED PARTS BREAK DOWN FOR RK05			1	1												
3	DEC-00-RK05JF-DA		Maintenance Manual			1	1												
*** 4	BC 11A-08		Unibus Cable 8 feet			1	1												
5	2200007		Head Cleaning Kit			1	1												
6	3010350-00		Disk Cartridge 12 Sector			1	0												
7	3010350-02		Disk Cartridge 16 Sector			0	1												
8*	A-AD-7009276-0-0		Mounting Hardware KIT			1	1												
9*	1209152-0-2 REF		Slide Chassis (Use set that was issued to Assy Line)			1	1												
	NOTE: The following items are additionally required when unit is shipped in a rack.																		
10	749691-1		Shipping Bracket (Left Hand)			1	1												
11	749691-2		Shipping Bracket (Right Hand)			1	1												
12**	3611382		Drive Identification Numbers			1	1												
	*NOTE: If unit is shipped in a rack, Items 8 and 9 are mounted to the rack.																		
	**NOTE: Attach the drive identification number set to the instruction sheet #DEC-16-(379)-1094-N573 using transparent adhesive tape. Insert sheet behind front cover of maintenance manual																		
	*** NOTE: MAXIMUM TOTAL UNIBUS CABLE LENGTH = 50 FEET																		
TITLE DECpack Assembly				ASSY. NO.		SIZE CODE A AL		NUMBER RK05-0-17				REV. F		ECO NO RK05J 00006					
SHEET 1 OF 1				DIST.															

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

DRAWING DIRECTORY
 CIRCUIT SCHEMATIC
 +5V REGULATOR
 CIRCUIT SCHEMATIC
 ±15V REGULATOR
 CIRCUIT SCHEMATIC

SEQUENCE

TB-DD-H743-1 SHEET #1 ONLY

D-CS-H743-1
E-1A-5409503-0-0
D-CS-5409503-0-1
E-1A-5409484-0-0
D-CS-5409484-0-1

SEQUENCE

MFG PRINTS

POWER SUPPLY
POWER SUPPLY (PL)
DRAWING DIRECTORY
PACKAGING INSTRUCTION

E-UA-H743-0-0
A-PL-H743-0-0
B-DD-H743-~~0~~
A-PI-3700130-0-0

UNIT VARIATIONS

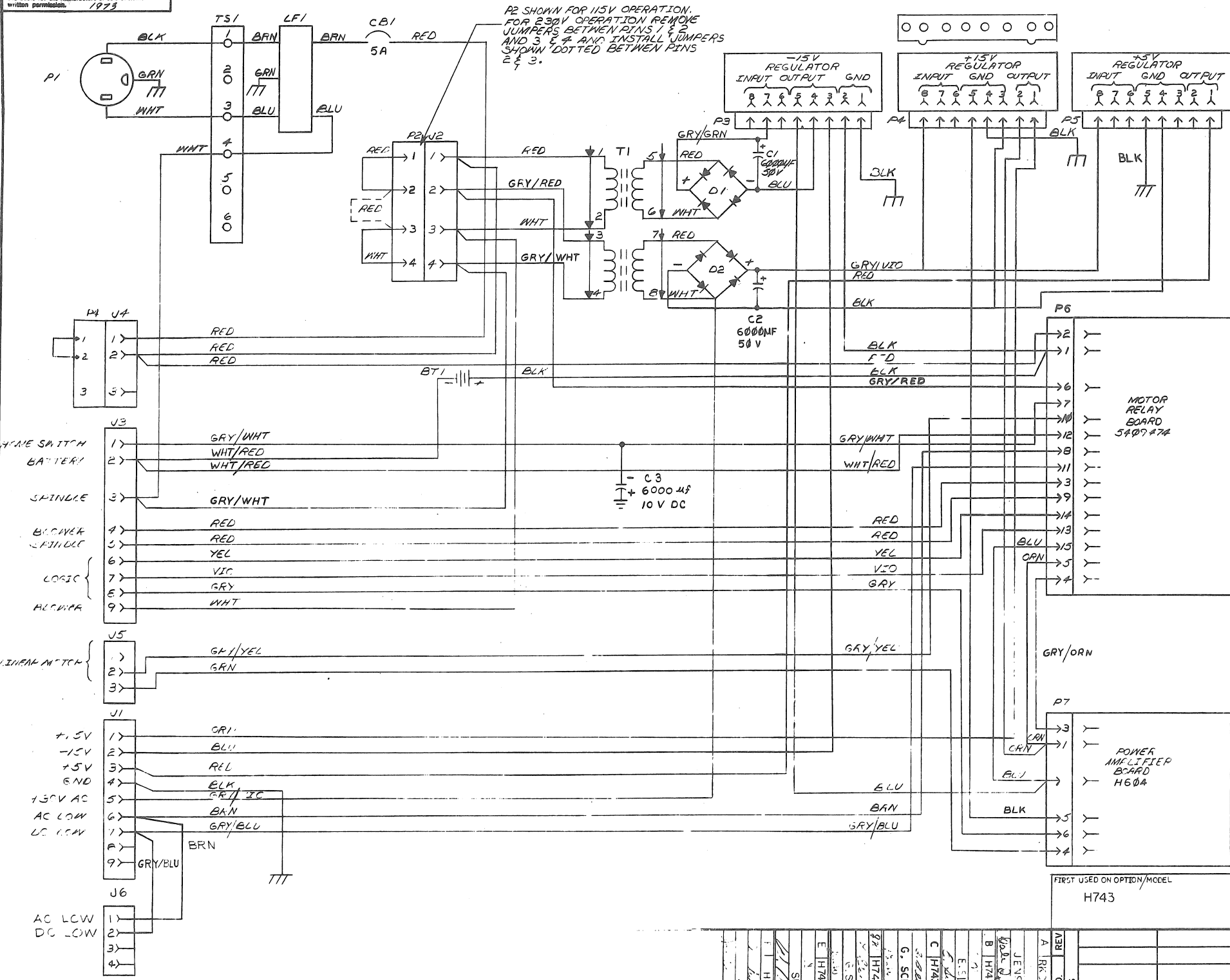
PRINT SET TYPE

[illegible]

REVISIONS			REV
DATE	CHG. NO.		
08/72	KK05-15		A
8/72	H743-1		B
2-13-73	H743-2		C
	H743-3		D
	H743-4		E
	H743-5		F
7/74	H743-6		H
8-74	H743-7		J
	4		
5-75	H743-11		L
7-75	H743-12		M
7-75	H743-13		N
7-75	H743-14		O
7-75	H743-15		P
7-75	H743-16		Q
7-75	H743-17		R
7-75	H743-18		S
7-75	H743-19		T
7-75	H743-20		U
7-75	H743-21		V
7-75	H743-22		W
7-75	H743-23		X
7-75	H743-24		Y
7-75	H743-25		Z

USED ON OPTION/MODEL		DRN.	DATE	TITLE AIR SUPPLY (H743)			
		CHK D.	DATE				
		PROJ ENG	DATE				
		PROD.	DATE				
		FIELD SERV.	DATE	SIZE	CODE	NUMBER	REV
				B	DD	H743-5	
		SHEET 1 OF 3		DIST			

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1	P1	POWER CORD 230V	1700016-09	22
1	C3	CAP 6000µF 10VDC	1010704	21
1	P4	JUMPER AC HI	B-1A-7008729-30	20
1	P2	JUMPER 230V	B-1A-7008729-20	19
1	P2	JUMPER 115V	B-1A-7008729-10	18
3	P3, P4, P5	CONN, MATE-N-LOCK, 8PIN	1209346-01	17
1	TS1	TERMINAL STRIP (6POS)	9006906	16
1	T1	TRANSFORMER	1010511	15
1	BT1	ELAPSED TIME INDICATOR, 12000 HRS	1210781	14
1	P7	CONN, MATE-N-LOCK, 6 PIN	1209351-06	13
1	P6	CONN, MATE-N-LOCK, 15 PIN	1209351-15	12
1		+5V REGULATOR	E-1A-5409503-00	11
2		± 15V REGULATOR	E-1A-5409484-00	10
1	BT1	BATTERY	1210641	9
1	P1	POWER CORD 115V	1700006-09	8
2	J4, J5	CONN, MATE-N-LOCK, 3PIN	1209350-03	7
2	J2, J6	CONN, MATE-N-LOCK, 4PIN	1209350-04	6
2	J1, J3	CONN, MATE-N-LOCK, 9PIN	1209350-09	5
1	LF1	LINE FILTER	1212877-01	4
2	C1, C2	CAP 6000µF, 50V	1010510	3
2	D1, D2	RECTIFIER (MDA990-3)	1110051	2
1	CB1	CIRCUIT BREAKER 5A	1205293	1

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV				
DRN. DATE 11/2/77				
CHKD. DATE 11-5-77				
ENG. DATE 2-24-77				
PROJ. ENG. DATE 11-24-77				
PROD. DATE 3/30/77				
NEXT HIGHER ASSY B-DD-H743-0				
SCALE 1:1				
SHEET 1 OF 1				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE CIRCUIT SCHEMATIC H743				
SIZE CODE NUMBER REV. DCS H743-0-1 E				
DIST.				

FIRST USED ON OPTION/MODEL
H743

REV	CHANGE NO.	REVISIONS
1	1	ORIGINAL
2	2	REVISION
3	3	REVISION
4	4	REVISION
5	5	REVISION
6	6	REVISION
7	7	REVISION
8	8	REVISION
9	9	REVISION
10	10	REVISION
11	11	REVISION
12	12	REVISION
13	13	REVISION
14	14	REVISION
15	15	REVISION
16	16	REVISION
17	17	REVISION
18	18	REVISION
19	19	REVISION
20	20	REVISION
21	21	REVISION
22	22	REVISION

WIRE TABLE							EXTERNAL COMPONENTS						
ITEM	DESCRIPTION	LENGTH	STRIP	STRIP	CONNECTIONS		ITEM	LENGTH	DESCRIPTION	POL	CONNECTIONS		POL
NO.	AWG	COLOR	IN. ± 1/8"	LENGTH-X	LENGTH-Y	FROM	TO	NO.			FROM	TO	
42	—	BLK	2 1/8"	—	1/2"	L1	CATHODE D2 — LUG	45	NOTE #2	RES. 100 OHMS	Q5-E	Q5-B	
42	—	BLK	2 1/8"	—	1/2"	L1	R21-T2	46	NOTE #3	CAP. 10UF 50V	Q5-E	D3 — LUG	—
68	18	VIO	2 3/4"	1/2"	1/2"	Q5-C	CATHODE D3 — LUG						
66		GRN	4 1/4"	1/2"	1/2"	D2 ANODE	D3 ANODE LUG						
65		YEL	4 1/8"	1/2"	1/2"	D3 CATHODE	R21-T1						
70		WHT	4 3/8"	1/2"	1/2"	SPLIT LUG #1	Q5-E						
69		GRY	5 1/4"	1/2"	1/2"	SPLIT LUG #2	Q5-B						
68		VIO	5 1/4"	1/2"	1/2"	SPLIT LUG #3	Q5-C						
67		BLU	8"	1/2"	1/2"	SPLIT LUG #4	R21-T2						
66		GRN	5 3/4"	1/2"	1/2"	SPLIT LUG #6	D3 ANODE LUG						
65	18	YEL	8 1/4"	1/2"	1/2"	SPLIT LUG #8	R21-T1						

SEE NOTE #5

2 PLACES

40 Q5

54 12

D3-C

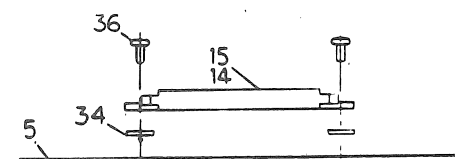
NOTES:

1. R13 IS USED FOR OUTPUT VOLTAGE ADJUSTMENT.
R7 IS USED FOR OUTPUT CURRENT ADJUSTMENT.
2. CUT LEADS OF RES. (R22) SO THERE IS $\frac{3}{8}$ " OF A
LEAD LEFT ON BOTH ENDS. — R22 —

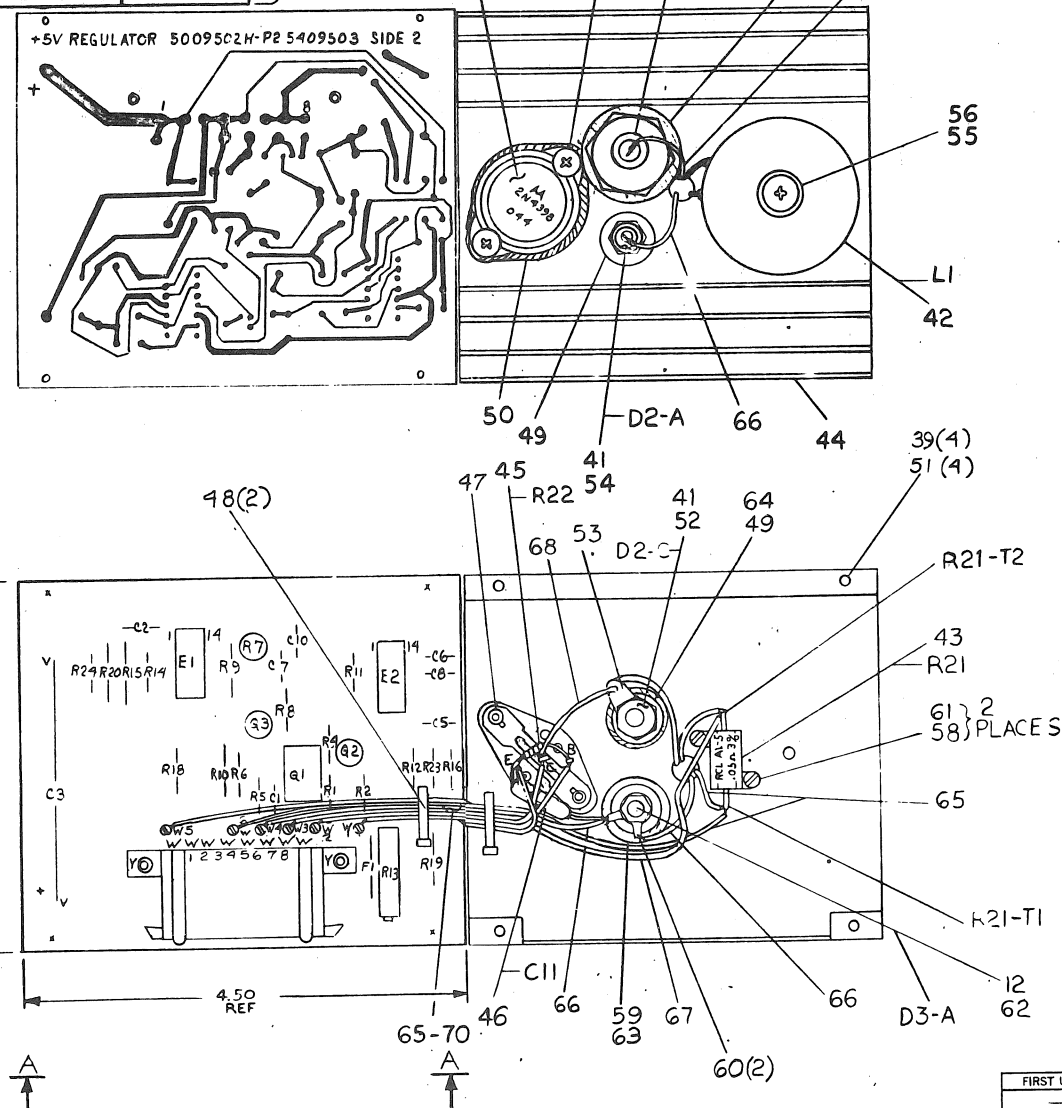
3. CUT LEADS OF CAP. (CII) SO THERE IS $\frac{1}{2}$ " OF A LEAD LEFT ON BOTH ENDS. CII

4. THERMAL COMPOUND (ITEM 31) IS TO BE APPLIED TO BOTH SIDES OF ALL THERMAL INSULATORS (ITEM 49,50 & 63). BOTH SIDES OF EACH INSULATOR SHOULD BE COVERED, LEAVING NO VOIDS WHEN INSTALLED. CARE MUST BE EXERCISED SO THAT NO EXTRA COMPOUND INTERFERES WITH ANY ELECTRICAL CONNECTION MADE TO ANY DEVICE.

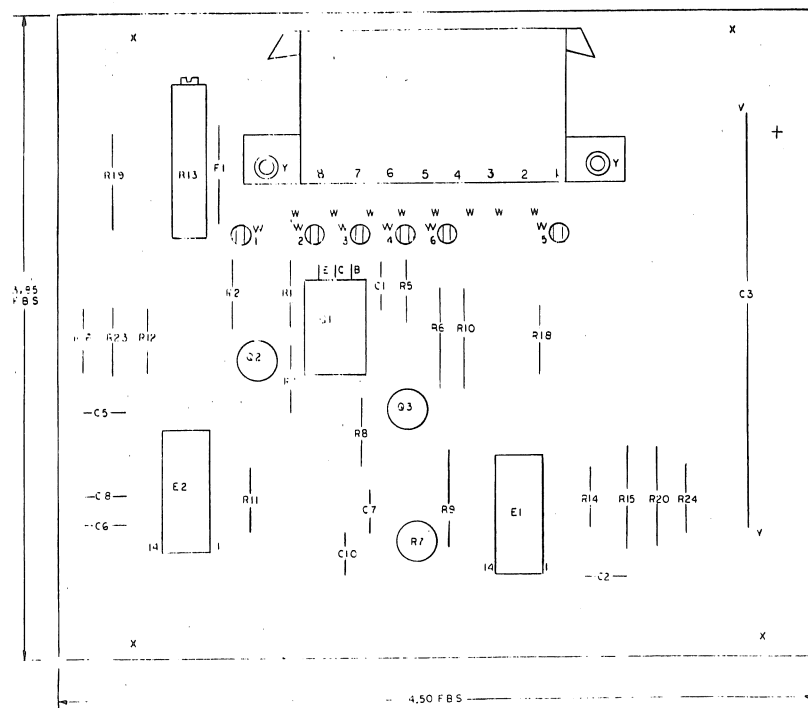
5. WHEN ASSEMBLING THE WIRES FROM THE CIRCUIT BOARD TO THE HEAT SINK, PLACE THE MODULE AGAINST THE HEAT SINK, WIRE AS SHOWN BY THE WIRE LIST AND MAKE A SERVICE LOOP AT THE CONNECTIONS ON THE HEAT SINK TO TAKE UP ANY EXCESS WIRE THAT MIGHT BE AVAILABLE.



VIEW A-A
SCALE: NONE

[illegible]

QTY	REF DESIGNATION	DESCRIPTION	PART NO.
PARTS LIST			
ETCH BOARD REV	H		
IN 3859	SAME	DRN. 8-21-71	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
2N 1398	+	CHK'D. 8-27-71	
D4526	+	ENG. 8-8-71	
2N 4441	+	PROJ. ENG. 8-8-71	
DEC 6534 D	MPS 6534	PROD. 8-9-71	
IN 752 A	SAME	PF4ZIO	
DEC NO.	EIA NO.	NEXT HIGHER ASSY	
		+	
SCALE NONE		SIZE CODE	NUMBER
SHEET 1 OF 1		DIA	5409503-0-0
		DIST.	
R CONVERSION CHART			REV. R



SIZE	NUMBER	RFV
D	5409503-0-1	R
CS		

TE	TRANSISTOR & DIODE CONVERSION CHART				TITLE			
2-7	DEC		EIA		digital		15 VOLT REGULATOR	
7-7	DEC		EIA		EQUIPMENT		SIZE	CODE
7	D4C534C		MP36934		IN752A		NUMBER	
7	D4C53C		3B89		SAME		CS	
7	2N4441		2N4398		SAME		5409503-0-1	
7	2N4398						REV	
					HARTARD, MASSACHUSETTS			
					PRINTED CIRCUIT REV.			

BRUNING 40-007 15866

DEC FORM NO
DRD-115

A

B

C

D

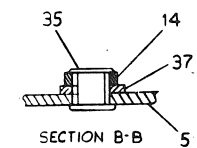
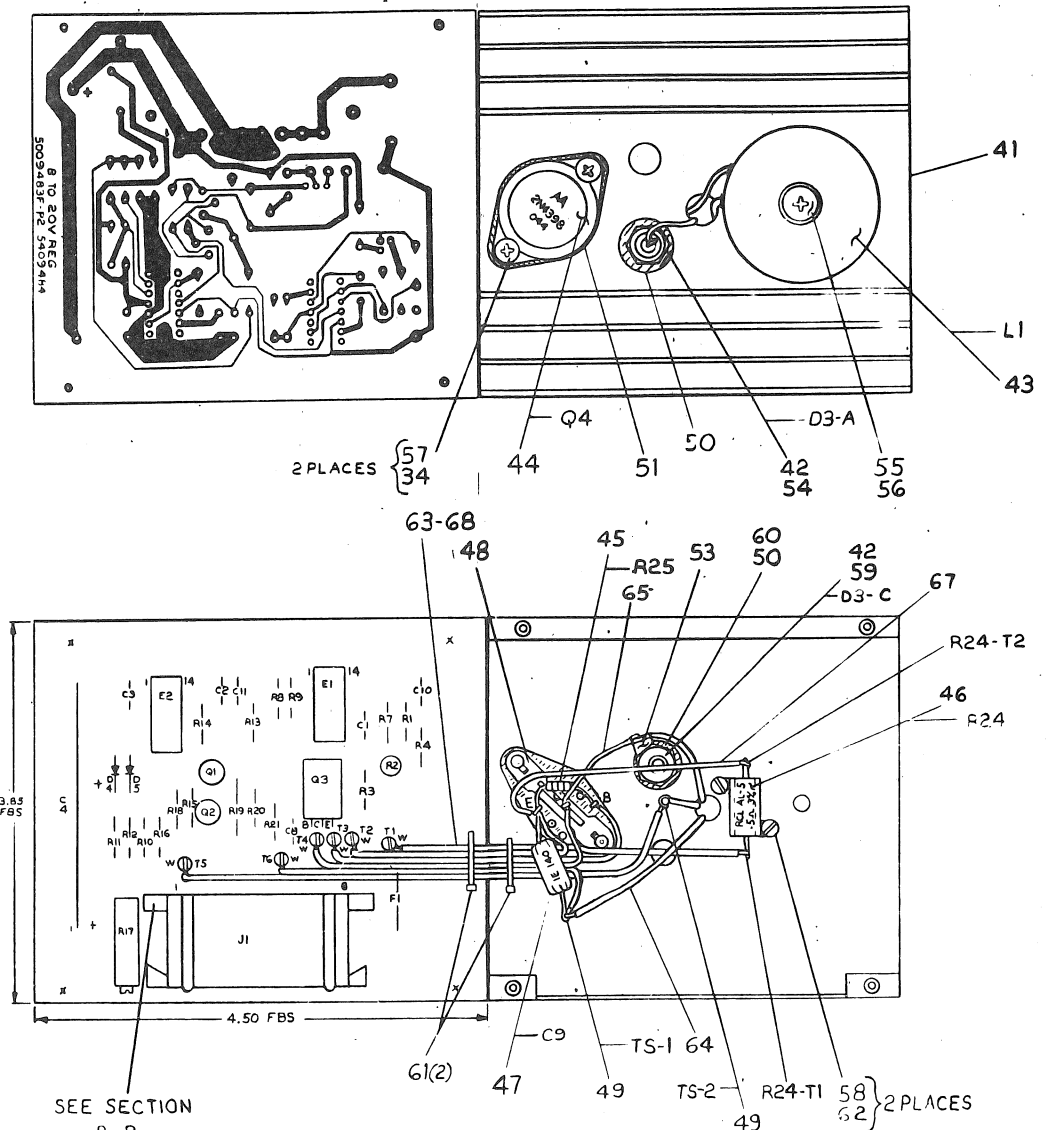
8 7 6 5 4 3 2 1

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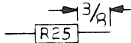
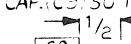
WIRE TABLE						
ITEM NO.	AWG	COLOR	LENGTH INCHES ± 1/8	STRIP LENGTH X	STRIP LENGTH Y	CONNECTIONS FROM TO
43	—	BLK	2 1/8	—	1/2	L1 D3-LUG (CATHODE)
43	—	BLK	2 1/8	—	1/2	L1 TS-2
65	18	BLU	2 1/4	1/2	1/2	Q4-C D3-LUG (CATHODE)
67	18	GRY	3 5/8	1/2	1/2	Q4-E R24-T2
64	18	GRN	4 1/2	1/2	1/2	D3-ANODE TS-1
68	18	WHT	5 7/8	1/2	1/2	SPLIT LUG#1 R24-T1
67	18	GRY	4 7/8	1/2	1/2	Q4-E
66	18	VIO	5 1/8	1/2	1/2	Q4-B
65	18	BLU	5 1/8	1/2	1/2	Q4-C
64	18	GRN	5 1/2	1/2	1/2	TS-1
63	18	YEL	6 7/8	1/2	1/2	SPLIT LUG#5 TS-2

EXTERNAL COMPONENTS						
ITEM NO.	LENGTH	DESCRIPTION	POL	CONNECTIONS		POL
				FROM	TO	
45	SEE NOTE 2	RES 100 Ω 1/4W 5%		Q4-E	Q4-B	
47	SEE NOTE 3	CAP 10 μ F 50V 10%	+	Q4-E	TS-1	-

SEE NOTE 5



NOTES:

1. R17 IS USED FOR OUTPUT VOLTAGE ADJUSTMENT. R2 IS USED FOR OUTPUT POWER ADJUSTMENT.
2. CUT LEADS OF RES. (R25) SO THERE IS 3/8" OF A LEAD LEFT AT BOTH ENDS. 
3. CUT LEADS OF CAP. (C3) SO THERE IS 1/2" OF A LEAD LEFT AT BOTH ENDS. 
4. THERMAL COMPOUND (ITEM #53) IS TO BE APPLIED TO BOTH SIDES OF ALL THERMAL INSULATORS (ITEM #50+51) BOTH SIDES OF EACH INSULATOR SHOULD BE COMPLETELY COVERED, LEAVING NO VOIDS WHEN INSTALLED. CARE MUST BE EXERCISED SO THAT NO EXTRA COMPOUND INTERFERES WITH ANY ELECTRICAL CONNECTION MADE TO ANY DEVICE.
5. WHEN ASSEMBLING THE WIRES FROM THE CIRCUIT BOARD TO THE HEAT SINK, PLACE THE MODULE AGAINST THE HEAT SINK. WIRE AS SHOWN BY THE WIRE LIST AND MAKE A SERVICE LOOP AT THE CONNECTIONS ON THE HEAT SINK TO TAKE UP ANY EXCESS WIRE THAT MIGHT BE AVAILABLE.

DRN. T. GULLIN	DATE 7.8.71		TITLE 8 T. 2V REGULATOR
CHK'D. J. FLEMING	DATE 8.2.71		
ENG. P. SVENDSEN	DATE 8.2.71		
PROJ. ENG. P. SVENDSEN	DATE 8.2.71		
PROD. P. FAZI	DATE 8.2.71		
NEXT HIGHER ASSY D-UA-H737-0-0		SIZE CODE DIA 54094-4-0-0	NUMBER REV. K
SCALE NONE		SHEET 1 OF 1	DIST.

SEMICONDUCTOR CONVERSION CHART

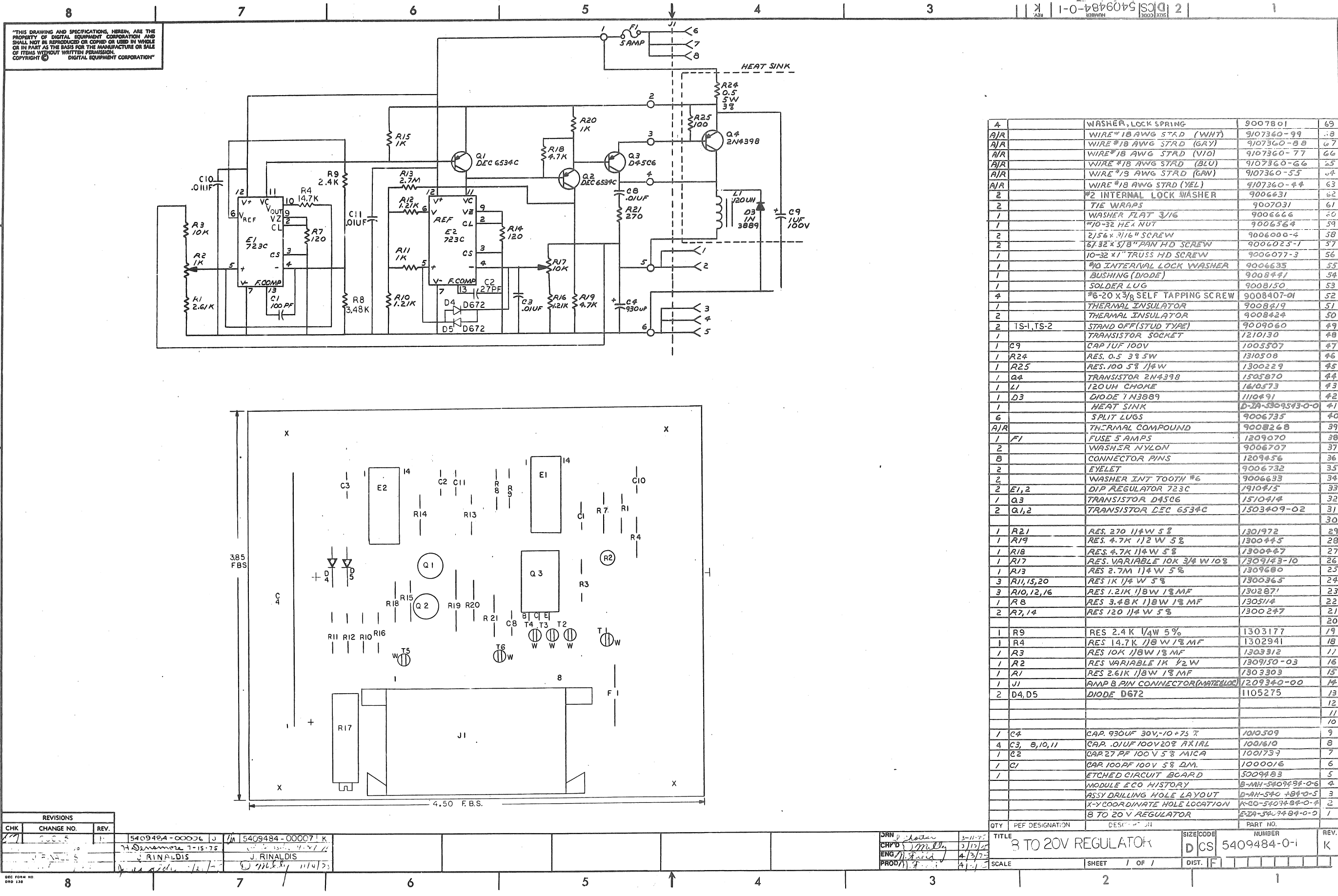
A

B

K

C

D



4	WASHER, LOCK SPRING	9007801	69
A/R	WIRE #18 AWG STD (WHT)	9107360-99	68
A/R	WIRE #18 AWG STD (GRY)	9107360-88	67
A/R	WIRE #18 AWG STD (VIO)	9107360-77	66
A/R	WIRE #18 AWG STD (BLU)	9107360-66	65
A/R	WIRE #18 AWG STD (GRN)	9107360-55	64
A/R	WIRE #18 AWG STD (YEL)	9107360-44	63
2	#2 INTERNAL LOCK WASHER	9006631	62
2	TIE WRAPS	9007031	61
1	WASHER FLAT 3/16	9006666	60
1	#10-32 HEX NUT	9006564	59
2	2/56 x 3/16" SCREW	9006000-4	58
2	5/32 x 3/8" PAN HD SCREW	9006025-1	57
1	10-32 x 1" TRUSS HD SCREW	9006077-3	56
1	#10 INTERNAL LOCK WASHER	9006635	55
1	BUSHING (DIODE)	9008441	54
1	SOLDER LUG	9008150	53
4	#6-20 x 3/8 SELF TAPPING SCREW	9008407-01	52
1	THERMAL INSULATOR	9008419	51
2	THERMAL INSULATOR	9008424	50
2	1S-1, TS-2 STAND OFF (STUD TYPE)	9009060	49
1	TRANSISTOR SOCKET	1210130	48
1	C9 CAP 1UF 100V	1005507	47
1	R24 RES. 0.5 3% 5W	1310508	46
1	R25 RES. 100 5% 1/4W	1300229	45
1	Q4 TRANSISTOR 2N4398	1505870	44
1	L1 120UH CHOK	1610573	43
1	D3 DIODE 1N3889	1110491	42
1	HEAT SINK	0-2A-3309543-0-0	41
6	SPLIT LUGS	9006735	40
A/R	THERMAL COMPOUND	9008268	39
1	F1 FUSE 5 AMPS	1209070	38
2	WASHER NYLON	9006707	37
8	CONNECTOR PINS	1209456	36
2	EYELET	9006732	35
2	WASHER INT TOOTH #6	9006633	34
2	E1,2 DIP REGULATOR 723C	1910415	33
1	Q3 TRANSISTOR D4506	1510414	32
2	Q1,2 TRANSISTOR DEC 6534C	1503409-02	31
1	R21 RES. 270 1/4W 5%	1301972	29
1	R19 RES. 4.7K 1/2W 5%	1300445	28
1	R18 RES. 4.7K 1/4W 5%	1300447	27
1	R17 RES. VARIABLE 10K 3/4W 10%	1309143-10	26
1	R13 RES. 2.7M 1/4W 5%	1309680	25
3	R11,15,20 RES 1K 1/4W 5%	1300365	24
3	R10,12,16 RES 1.21K 1/8W 1% MF	1302871	23
1	R8 RES 3.48K 1/8W 1% MF	1305114	22
2	R7,14 RES 120 1/4W 5%	1300247	21
1	R9 RES 2.4K 1/4W 5%	1303177	19
1	R4 RES 14.7K 1/8W 1% MF	1302941	18
1	R3 RES 10K 1/8W 1% MF	1303912	17
1	R2 RES VARIABLE 1K 1/2W	1309150-03	16
1	R1 RES 2.61K 1/8W 1% MF	1303303	15
1	J1 AMP B PIN CONNECTOR (WATERLOC)	1209340-00	14
2	D4,D5 DIODE D672	1105275	13
			12
			11
			10
1	C4 CAP. 930UF 30V, -10+75%	1010509	9
4	C3, 8,10,11 CAP. .01UF 100V20% AXIAL	1001610	8
1	C2 CAP. 27 PF 100V 5% MICA	1001739	7
1	C1 CAP. 100PF 100V 5% DM.	1000016	6
1	ETCHED CIRCUIT BOARD	5009483	5
	MODULE ECO HISTORY	0-MH-5409483-0-0	4
	ASSY DRILLING HOLE LAYOUT	0-AH-540-084-0-0	3
	X-Y COORDINATE HOLE LOCATION	X-00-5409484-0-0	2
	B TO 20V REGULATOR	0-2A-5409484-0-0	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.

3 TO 20V REGULATOR	SIZE CODE DCS	NUMBER 5409484-0-1	REV. K
SCALE	SHEET 1 OF 1	DIST. F	

DRWG NO

K-WL-RKØ5-Ø-3

REV LTR

C

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	RK05-00014	7/72	Red
B	RK05-00031	2/73	Red
C	RK05J-00005	4/76	Red

DRAWN <i>RE Hellen</i>	DATE 11/8/71	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE WIRE LIST (RK05)			
CHECKED <i>[Signature]</i>	DATE 11-1-71		FOR TAPE # FILE *			
ENG <i>[Signature]</i>	DATE 24 Nov 71		SIZE K	CODE WL	DWG. NO. RK05-0-3	REV LTR C
PROJ ENG <i>[Signature]</i>	DATE 11-24-71		ASSY NO D-AD-7008696-0-0			
PROD <i>[Signature]</i>	DATE 11/24/71	SCALE NONE	SHEET 1	OF 1	DIST.	[] [] [] [] [] [] [] [] [] []

PKT5.C	8156	PAGE 1	8156	2-JUN-76	REMARKS	NC LENGTH EXCEPTIONS	RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	PAY ORDER	Q DRAW	FV RG Y X Z	NUMBER
					OPT	FLAG	
+15VDC	H	A05D2		1-01 *		005-9	1
+15VDC	H	A06D1		1-02 *		005-9	1
+15VDC	H			1			1
+5VDC BULB	H	B06A1		1-01 *		005-9	1
+5VDC BULB	H	B06A2		1-02 *		005-9	2
+5VDC BULB	H			1			2
128	H	A01M2		1-01 *		005-1	3
128	H	B03A1		1-02 *		005-1	3
128	H			1			3
AC LOW	H	A04R2		1-01 *		005-8	4
AC LOW	H	B08F1		1-02 *		005-8	4
AC LOW	H	B07F1		1-03 *		005-8	4
AC LOW	H			1			4
ADDR ACCEPTED	L	A02S1		1-01 *		005-5	5
ADDR ACCEPTED	L	A03M1		1-02 *		005-5	5
ADDR ACCEPTED	L			1			5
ADDRESS INVALID	L	B02F1		1-01 *		005-2	6
ADDRESS INVALID	L	B03E1		1-02 *		005-2	6
ADDRESS INVALID	L			1			6
BLOWER MTR RELAY DR	H	A04A1		1-01 *		005-9	7
BLOWER MTR RELAY DR	H	B06M1		1-02 *		005-9	7
BLOWER MTR RELAY DR	H			1			7
RUS ADDR ACCEPTED	L	A02R1		1-01 *		005-4	8
RUS ADDR ACCEPTED	L	A07R2		1-02 *		005-4	8
RUS ADDR ACCEPTED	L	A08R2		1-03 *		005-4	8
RUS ADDR ACCEPTED	L			1			8
RUS ADDR INVALID	L	A08T2		1-01 *		005-4	9
RUS ADDR INVALID	L	A07T2		1-02 *		005-4	9
RUS ADDR INVALID	L	B02A1		1-03 *		005-4	9
RUS ADDR INVALID	L			1			9
RUS FILE READY	L	A04M1		1-01 *		005-7	10
RUS FILE READY	L	B07M1		1-02 *		005-7	10
RUS FILE READY	L	B07N1		1-03 *		005-7	10
RUS FILE READY	L			1			10
RUS INDEX PUL	L	A02M1		1-01 *		005-3	11
RUS INDEX PUL	L	B08M1		1-02 *		005-3	11
RUS INDEX PUL	L	B07M1		1-03 *		005-3	11
RUS INDEX PUL	L			1			11
RUS P/W/S READY	L	A02M1		1-01 *		005-4	12
RUS P/W/S READY	L	B07H2		1-02 *		005-4	12
RUS P/W/S READY	L	A08H2		1-03 *		005-4	12
RUS P/W/S READY	L			1			12

RKP28R_V34(62)-01 31-JUL-75														
PUN NAME		A/P	PIN NAME	ORDEP PIN	BAY ORDER	DRAW OPT	RV	RC	Y	X	Z	REMARKS	2-JUN-76	8:56
PAGE 2														
NC LENGTH EXCEPTIONS														
FLAG														
HUS SECTOR ADDR		L	A02H1		1-01 *		D05=3				1		4-7/8	13
HUS SECTOR ADDR		L	R08L1		1-02 *		D05=3				2		1	13
HUS SECTOR ADDR		L	R07L1		1-03 *		D05=3							13
HUS SFCTOR ADDR		L			1								5-7/8	13
HUS SFCIOR ADDR 1		L	A02J1		1-01 *		D05=4				1		3-5/8	14
HUS SFCIOR ADDR 1		L	A07P2		1-02 *		D05=4				2		1	14
HUS SFCIOR ADDR 1		L	A0AP2		1-03 *		D05=4						4-5/8	14
HUS SFCIOR ADDR 1		L			1									14
HUS SFCIOR ADDR 2		L	A02L1		1-01 *		D05=4				1		4-1/8	15
HUS SFCIOR ADDR 2		L	R07K2		1-02 *		D05=4				2		1	15
HUS SFCIOR ADDR 2		L	R0BK2		1-03 *		D05=4						5-1/8	15
HUS SFCIOR ADDR 2		L			1									15
HUS SFCIOR ADDR 3		L	A02P1		1-01 *		D05=4				1		4-1/8	16
HUS SFCIOR ADDR 3		L	R07J1		1-02 *		D05=4				2		1	16
HUS SFCIOR ADDR 3		L	R0RJ1		1-03 *		D05=4						5-1/8	16
HUS SFCIOR ADDR 3		L			1									16
HUS SECTOR PULSE		L	A02F1		1-01 *		D05=3				1		5-2/8	17
HUS SECTOR PULSE		L	R0RN2		1-02 *		D05=3				2		1	17
HUS SECTOR PULSE		L	R07N2		1-03 *		D05=3						6-2/8	17
HUS SECTOR PULSE		L			1									17
HUS SEEK INCOMPLETE		L	A02M1		1-01 *		D05=4				1		3-3/8	18
HUS SEEK INCOMPLETE		L	A07S2		1-02 *		D05=4				2		1	18
HUS SEEK INCOMPLETE		L	A0RS2		1-03 *		D05=4						4-3/8	18
HUS SEEK INCOMPLETE		L			1									18
HUS WR PROTECT STATUS		H	R04U1		1-01 *		D05=0				1		2-3/8	19
HUS WR PROTECT STATUS		H	R07P1		1-02 *		D05=0				2		1	19
HUS WR PROTECT STATUS		H	R0HP1		1-03 *		D05=0						3-3/8	19
HUS WR PROTECT STATUS		H			1									19
HUS WRITE CK		H	R04P1		1-01 *		D05=0				1		2-3/8	20
HUS WRITE CK		H	R07R1		1-02 *		D05=0				2		1	20
HUS WRITE CK		H	R0RK1		1-03 *		D05=0						3-3/8	20
HUS WRITE CK		H			1									20
COS POSITION		H	A05U1		1-01 *		D05=9				1		1-5/8	21
COS POSITION		H	R06B1		1-02 *		D05=9						1-5/8	21
COS POSITION		H			1									21
COUNT PULSE FWD		H	A05A1		1-01 *		D05=5				1		5-1/8	22
COUNT PULSE FWD		H	R03K1		1-02 *		D05=5						5-1/8	22
COUNT PULSE FWD		H			1									22
COUNT PULSE REV		H	A05C1		1-01 *		D05=5				1		4-3/8	23
COUNT PULSE PFV		H	R03F1		1-02 *		D05=5						4-3/8	23
COUNT PULSE REV		H			1									23
CYC ADDR 0		L	A07K1		1-01 *		D05=5				2		1	24
CYC ADDR 0		L	A0AK1		1-02 *		D05=5				1		4-4/8	24
CYC ADDR 0		L	R03L1		1-03 *		D05=5						5-4/8	24
CYC ADDR 0		L			1									24

[illegible][illegible]

MRP288.V34(62)-1 31-JUL-75										PAGE 7									
A/P P/J NAME ORDER PIN ORDER										PAGE 7									
DRAW RV PG Y X Z										PAGE 7									
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