



RK05J

Engineering Drawings

Digital Equipment Corporation

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THIS IS PRINT SET ☒ ☐ ☐

27

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

[illegible]

REVISIONS			
DATE	CHG. NO.	REV	
A V	RK0F-69	AL	
TWC VAS RK0F-0			
A V	RK05J-3	AM	
	RK05J-4	AN	
	RK05J-5	AP	
	RK05J-6	AR	
	RK05J-7	AS	
	RK05J-8	AT	

USED ON OPTION/MODEL		DRN.	DATE	TITLE				
		CHK'D	DATE	DECKPACK ASSY				
		PROJ ENG	DATE					
		PROD	DATE	SIZE	CODE	NUMBER		REV
		FIELD SERV	DATE	B	DD			A T
SHEET	OF			DIST				

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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	M933	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 (BC1114),
M930 IS USED IN THE LAST DRIVE
ON THE BUS.

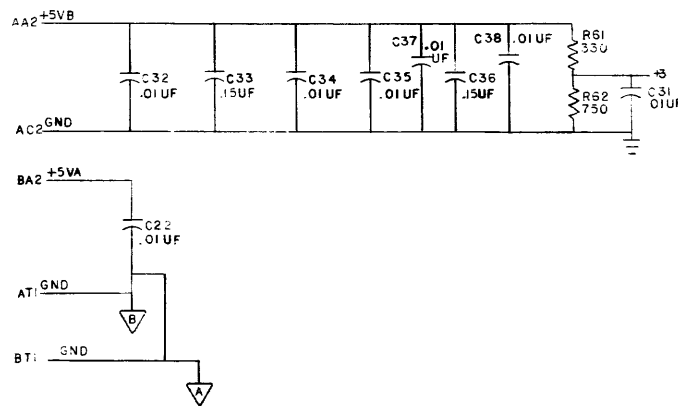
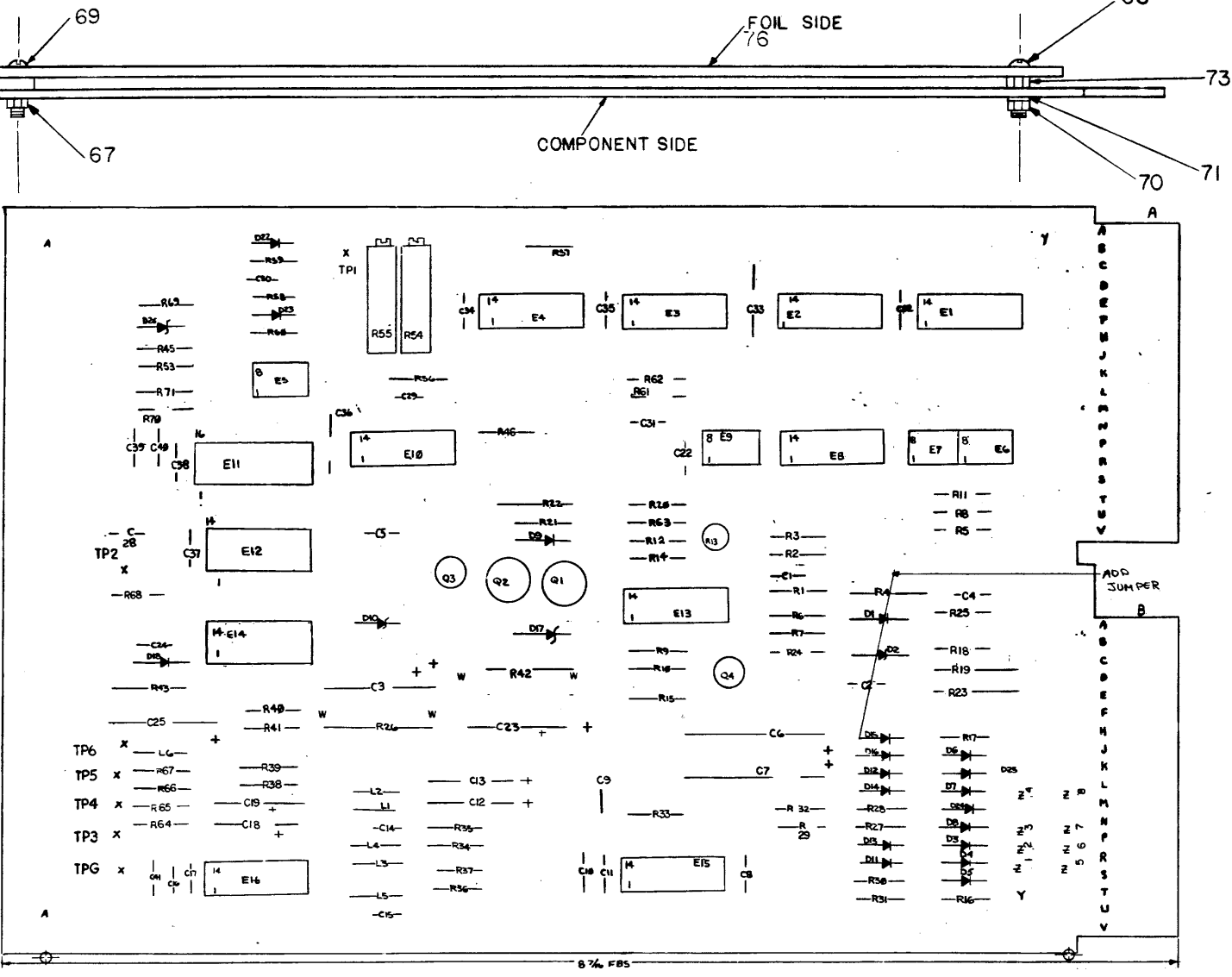
REV.	CHG.	NO.	REV.
1	1	RK05-00002	A
2	2	D JENSEN	
3	3	1166 Jensen 11-72	
4	4	RK05-000066A	B
5	5	D JENSEN	
6	6	1166 Jensen 11-72	
7	7	RK05-00023	C
8	8	1166 Jensen 11-72	
9	9	G SCHNEIDER	
10	10	RK05-00040	D
11	11	E. Allen 7-7-73	
12	12	G SCHNEIDER	
13	13	RK05J-00007	E
14	14	B. Chissem 12 Jan. 77	
15	15	S. RADOFF	
16	16	S. RADOFF	
17	17	11/3/77	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX - .005	± 0.30	11-7-71	TITLE MODULE UTILIZATION	
.XX - .02		11-2-71	SIZE CODE C MU	
X - 1		11-24-71	NUMBER RK05-0-2	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		11-1-71	ITEM NO.	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	B-DD-RK05-0			
SHEET	SCALE NONE			
	OF			

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NOTES:

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



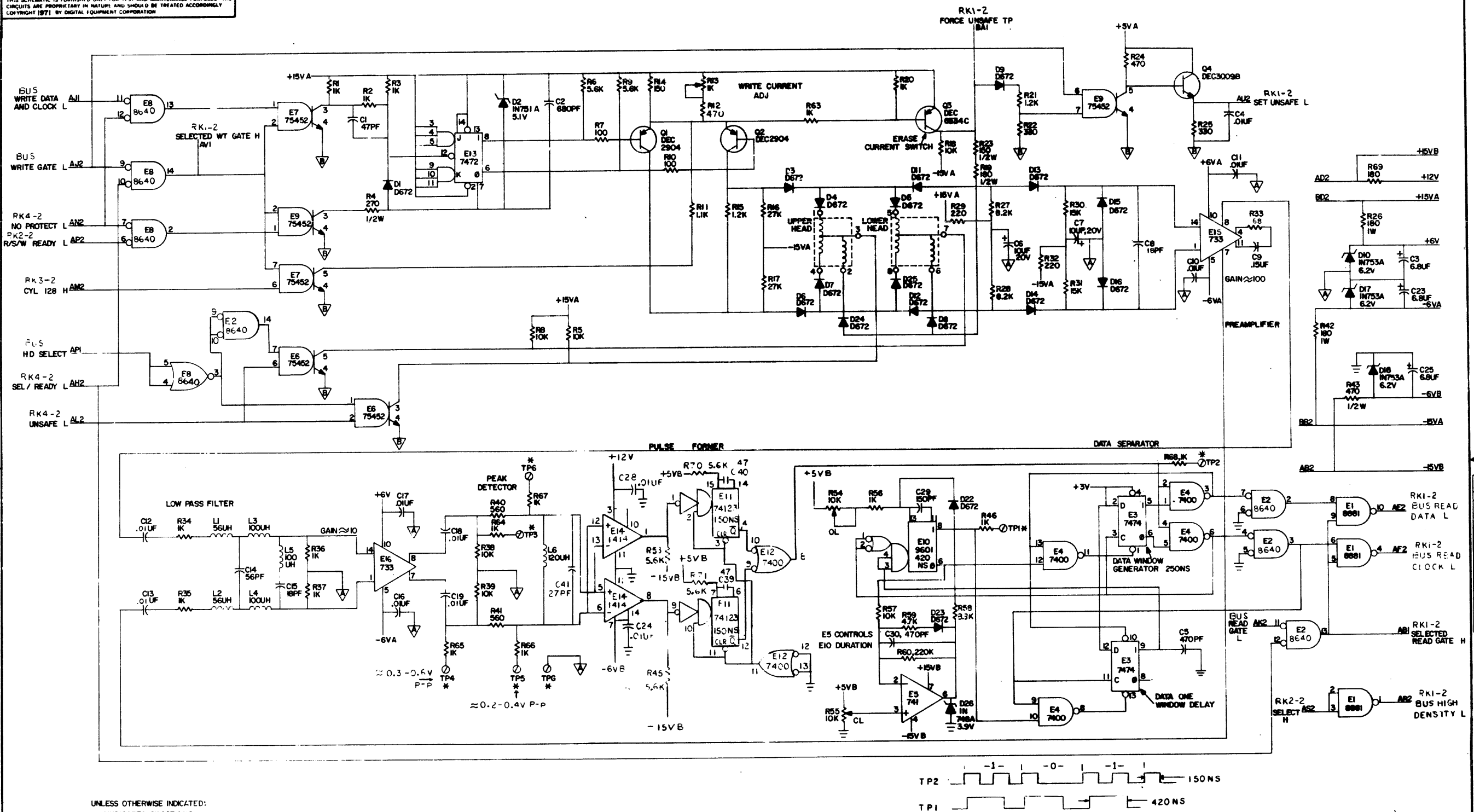
DEC 8E40	1	8
DEC 75-52	4	8
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

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	9007263	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	9006002-1	68
2		KEP NUT 4/40	9006557	67

1	DALE JENSON	11-27-75	N
2	DALE JENSON	11-27-75	N
3	DALE JENSON	11-27-75	N
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99	DALE JENSON	11-27-75	N
100	DALE JENSON	11-27-75	N

3	E6,E7,E9	I.C. DEC 75452	1910645	67
2	E15,E16	I.C. DEC 733	1910644	65
1	E14	I.C. DEC 1414	1910337	64
1	E5	I.C. DEC 741	1910298	63
1	E1	I.C. DEC 8881	1909705	62
2	E2,E8	I.C. DEC 8640	1911463	61
1	E10	I.C. DEC 9601	1909373	60
1	E13	I.C. DEC 7472	1905588	59
2	E4,E12	I.C. DEC 7400	1905575	58
1	E3	I.C. DEC 7474	1905547	57
1	L6	INDUCTOR 120UH	1610663	56
2	L1,L2	INDUCTOR 56UH	1610661	55
3	L3,L4,L5	INDUCTOR 100UH	1610662	54
1	Q3	TRANSISTOR DEC 6534C	1503409-02	53
1	Q4	TRANSISTOR DEC 3009B	1503100	52
2	Q1,Q2	TRANSISTOR 2N2904	1501742	51
1	R13	POT 1K 1/2W 20% 62PR	1309150-03	50
2	R54,R55	POT 10K 3/4W 10% 78PR	1309143-10	49
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%	1301590	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	I.C. DEC. 74123	1910436	34
16	R1,R2,R3,R20,R34-37	RES. 1K 1/4W 5%	1300565	33
2	R24,R12	RES. 470 1/4W 5%	1300316	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	1-8	GOLD WIREWRAP PINS	9009217	22
18	D1,D3-9,D11-16,D22-25	DIODE D672	1105275	21
1	D2	DIODE IN 751A (5.1V ZENER)	1110994	20
3	D10,D17,D18	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.	1002688	16
4	C12,C13,C18,C19	CAP. 01UF 50V AXIAL	1001610-00	15
14	C40,C11,C16,C22,24,25,31	CAP. 01UF 100V 20% DISC	1001610-01	14
2	C6,C7	CAP. 10UF 35V 20% S.TANT	1000069	13
3	C3,C23,C25	CAP. 6.8UF 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
		ETCHED CIRCUIT BOARD	5009743	4
		MODULE ECO HISTORY	B-MH-G180-0-1	3
		ASSY/DRILLING HOLE LAYOUT	E-AH-G180-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-180-0-4	1

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV. L				
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
2N2904	2N2118A	IN746A	SAME	
DEC 3009B	2N30C9	IN753A	SAME	
DEC 6534C	MPS6534	D672	IN3653	
TITLE DEC PACK READ/ WRITE				
NEXT HIGHER ASSY				
SCALE				
SHEET 1 OF 2				
DISTRIBUTION				
REV. N				



UNLESS OTHERWISE INDICATED:

* INDICATES SWAGE LUG

▽ ANALOG GND "A" BTI

▽ ANALOG GND "B" AT1

⊥ DIGITAL GND AC2

----- COMPONENTS NOT MOUNTED ON BOARD

ALL TIMES INDICATED ARE NOMINAL

REVISIONS	DATE	BY	CHKD
1	10/10/71	W. J. HALL	
2	11/1/71	W. J. HALL	
3	11/1/71	W. J. HALL	
4	11/1/71	W. J. HALL	

DATE	BY	CHKD
10/10/71	W. J. HALL	
11/1/71	W. J. HALL	
11/1/71	W. J. HALL	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EA	DEC	EA
2N3055	2N3055	2N3055	2N3055
2N3055	2N3055	2N3055	2N3055
2N3055	2N3055	2N3055	2N3055

EQUIPMENT CORPORATION	
MADE IN U.S.A.	MADE IN U.S.A.
MADE IN U.S.A.	MADE IN U.S.A.
MADE IN U.S.A.	MADE IN U.S.A.

DEC PACK READ/WRITE	
DEC	EA
DEC	EA
DEC	EA
DEC	EA

POWER SECTOR TRANSDUCER H

AD1 100

R2 4.7K

R3 10K

AE1

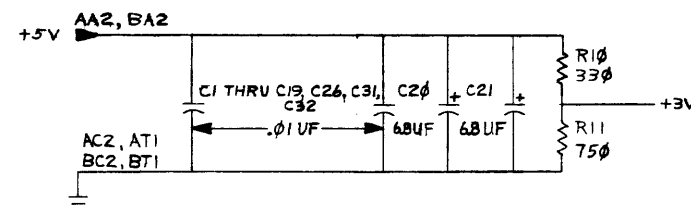
SECTOR INDEX RAW H

C31 0.1uF

Q1 3639C

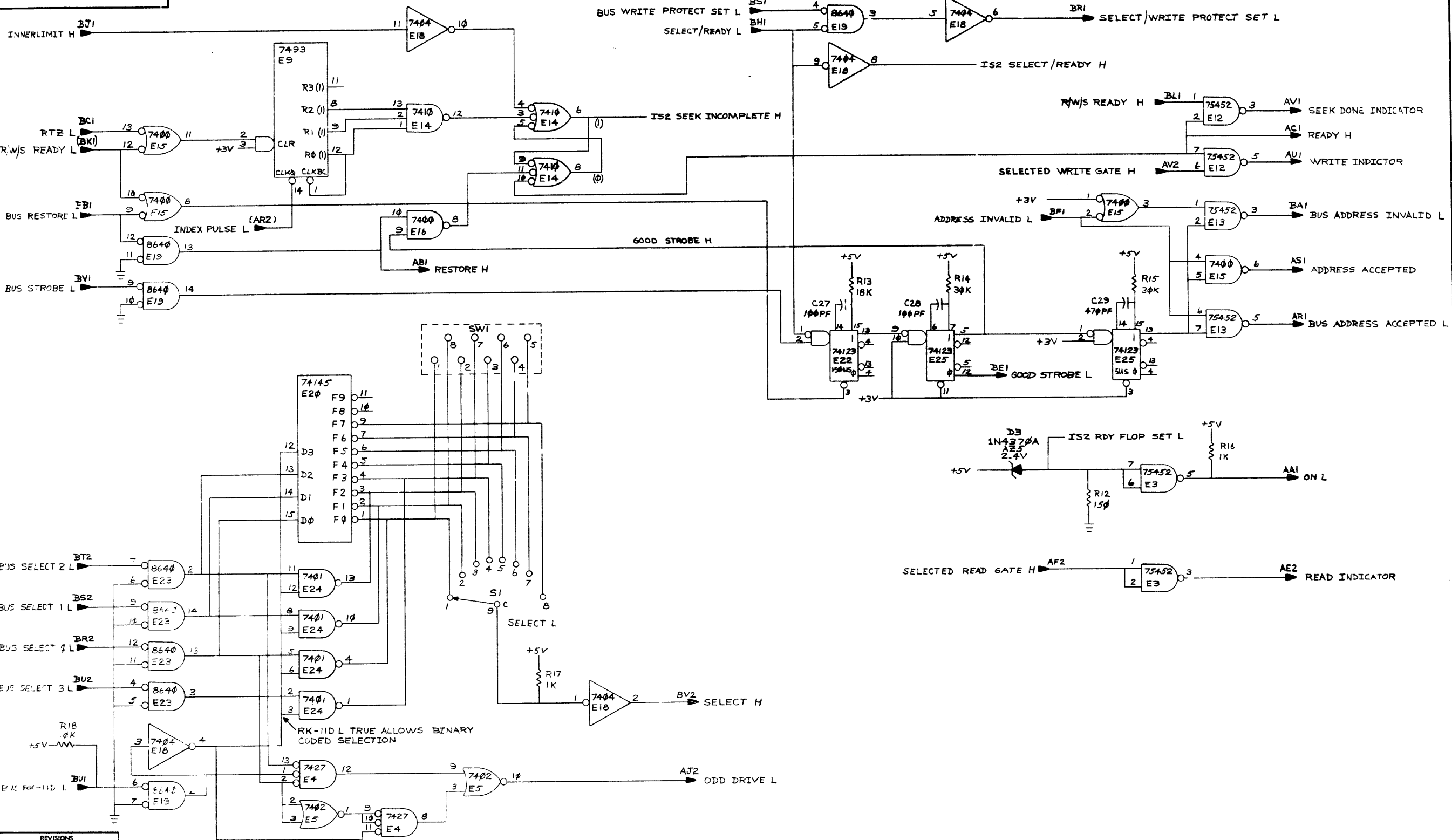
C3 330PF

R4 330



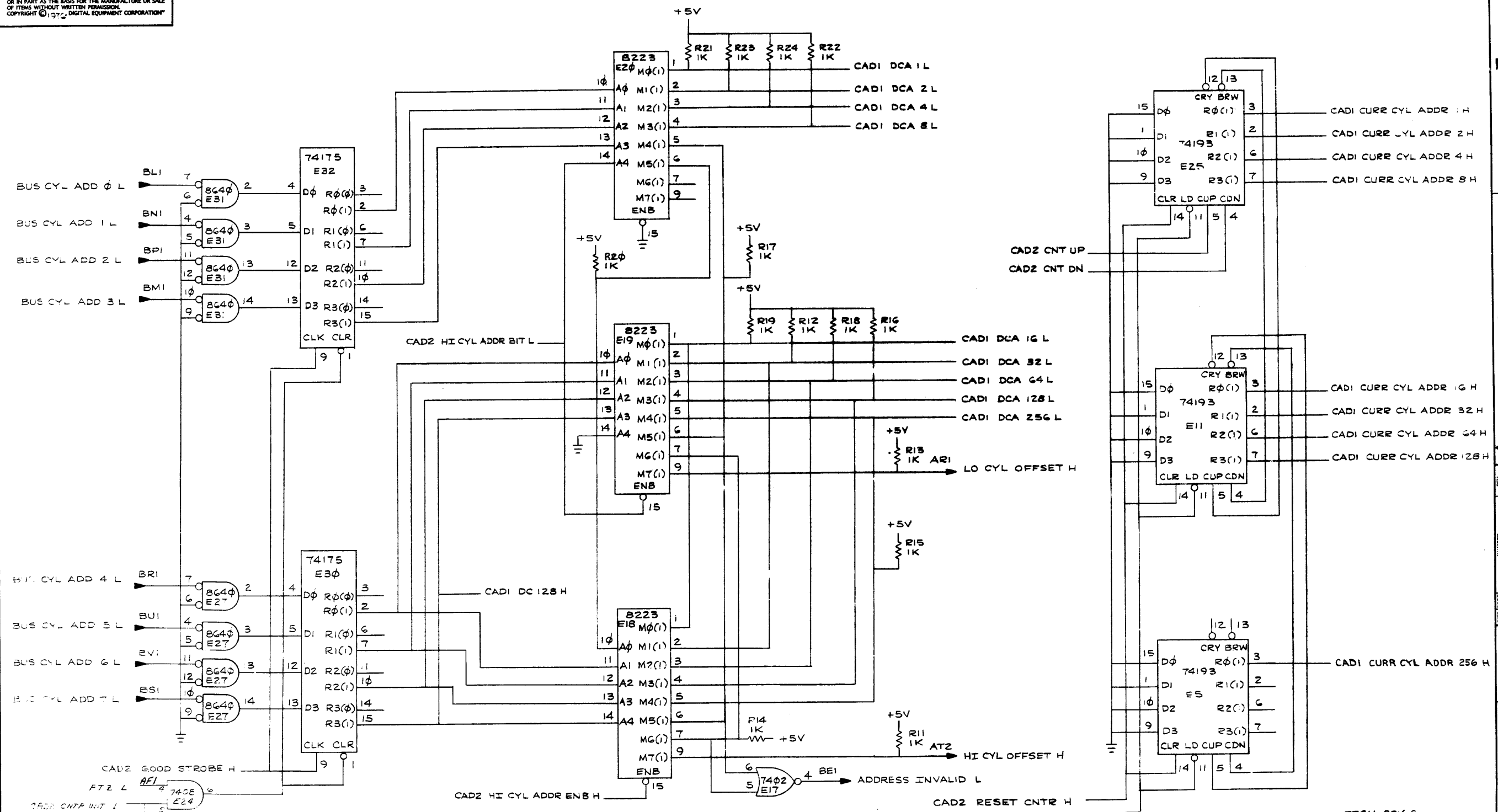
DRN. <i>H. H. H. H.</i>	22 JAN 76	FIRST USED ON		digit	
CHK'D <i>H. H. H. H.</i>	3 FEB 76	TITLE		(ISI)	
ENG. <i>H. H. H. H.</i>					
PROJ. ENG. <i>H. H. H. H.</i>		DEC PAK INDEX AND SECTOR			
PROD. <i>H. H. H. H.</i>	25 FEB 76				
NEXT HIGHER ASSY.					
D-UA-M7680-Q-Q		SIZE	CODE	NUMBER	REV
SCALE <i>1</i>		D	CS	M7680-Q-1	A
SHEET 1 OF 2					

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REVISIONS			TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.	DEC PAK INDEX (IS2) AND SECTOR		D CS		M7680-0-1		A	
			SCALE		SHEET 2 OF 2		DIST.			

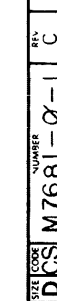
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REVISIONS		CHANGE NO.		REV.	
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8

ETCH REV C		RK05F		digital	
DRN	1-0-1892W	1/21/76	FIRST USED ON		
CHK'D	1/21/76	2/2/76	2/2/76		
ENG.	1/21/76	2/2/76	2/2/76		
PROJ. ENG.	1/21/76	2/2/76	2/2/76		
PROD. ENG.	1/21/76	2/2/76	2/2/76		
NEXT HIGHER ASSY. RK05F					
D-UA-M7681-0-0					
SCALE 1 OF 3					
SHEET 1 OF 3					

CYLINDER ADDRESS AND DIFFERENCE (CAD)			
SIZE	CODE	NUMBER	REV.
D	CS	M7681-0-1	1

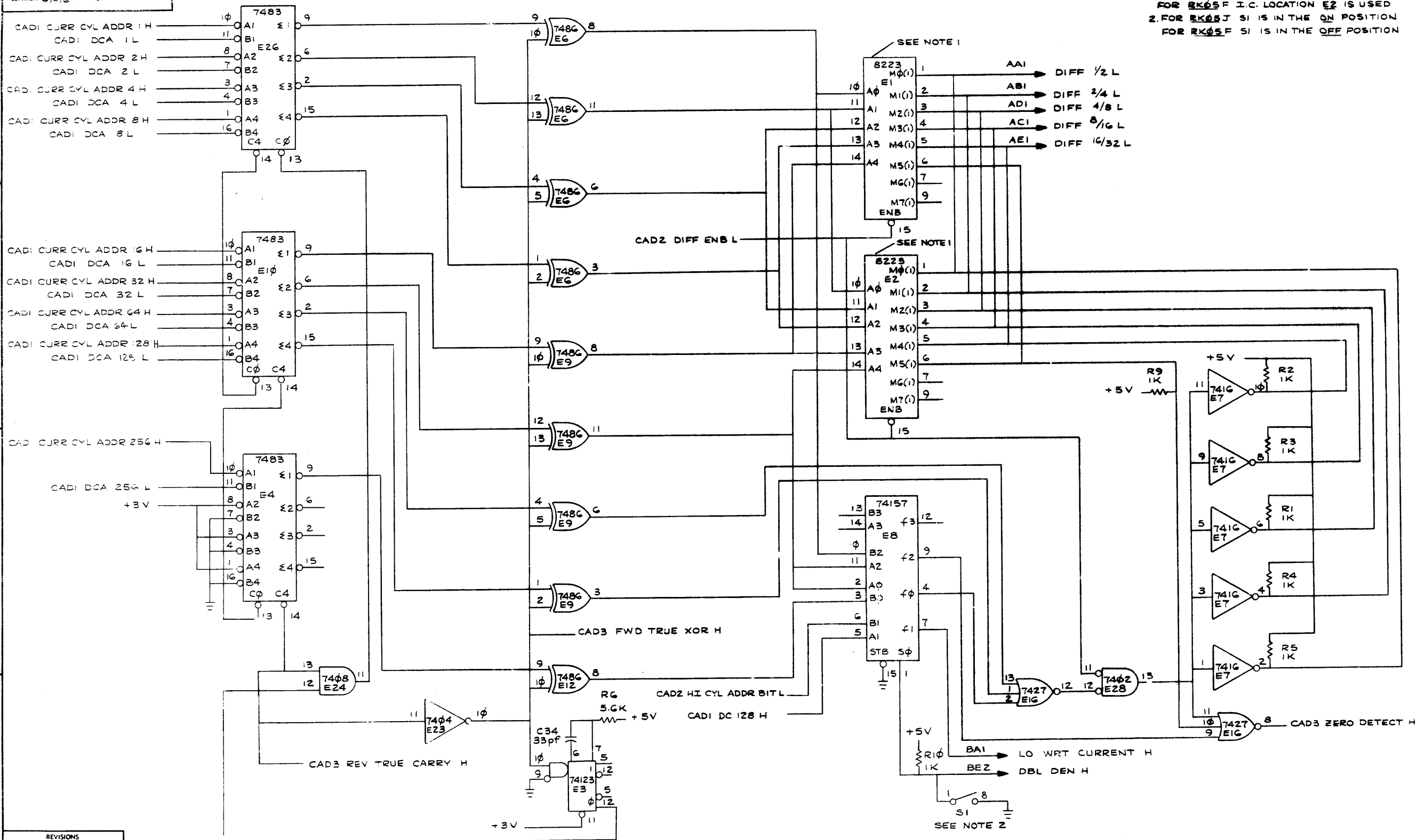


TITLE CYLINDER ADDRESS AND DIFFERENCE (CAD2)		SIZE D	CODE CS	NUMBER M 7681 - Ø - 1				REV. C
SCALE $\frac{1}{4}$	SHEET 2 OF 3	DIST.						

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NOTE:

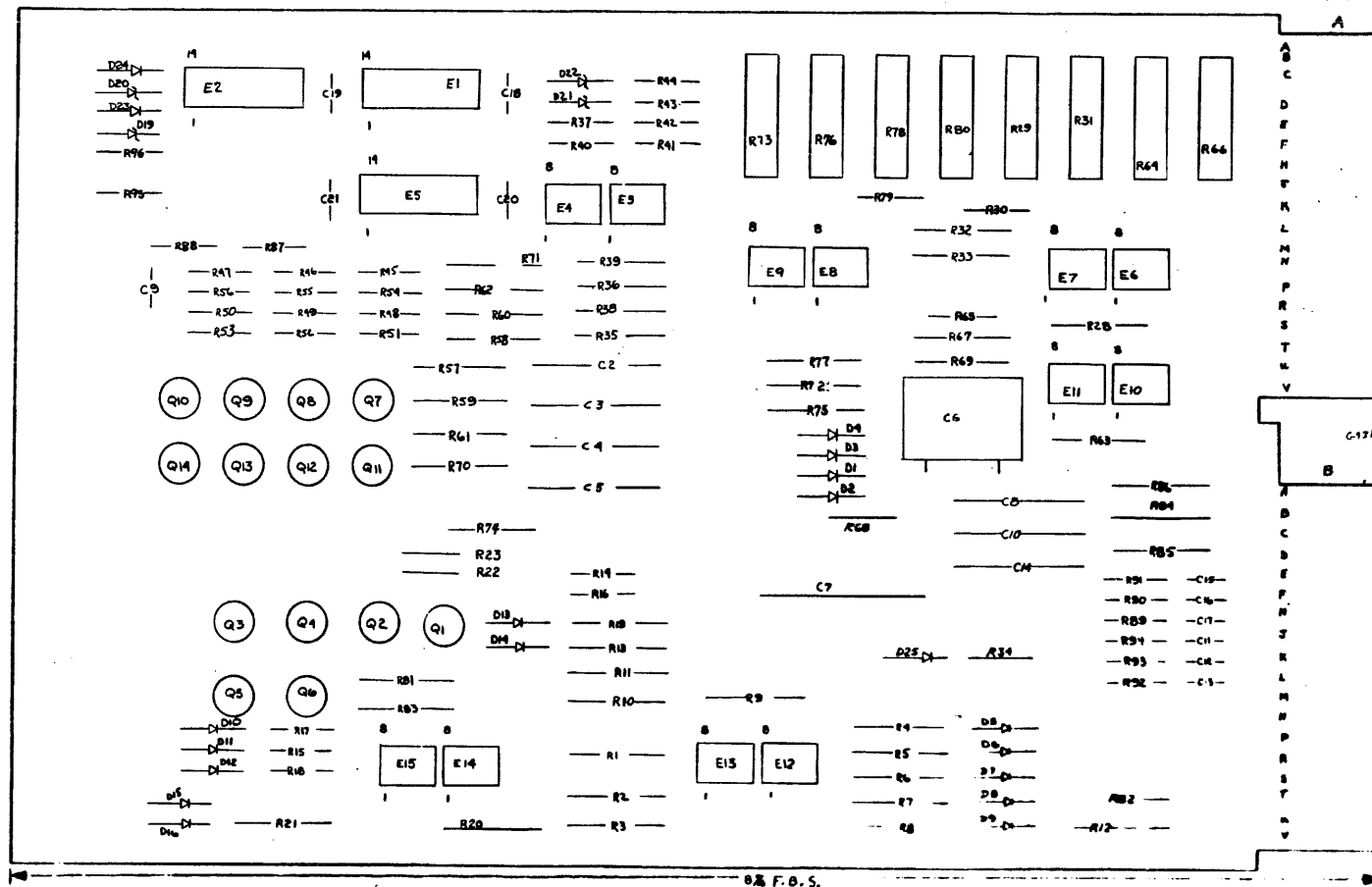
1. FOR **RK05J** I.C. LOCATION **E1** IS USED FOR **RK05F** I.C. LOCATION **E2** IS USED
2. FOR **RK05J** **SI** IS IN THE **ON** POSITION FOR **RK05F** **SI** IS IN THE **OFF** POSITION



A

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NOTES:



8	8	Q1 THRU Q4, Q11 THRU Q14	TRANSISTOR 2N5245	1509681	49	REF	REF	X-Y COORDINATE HOLE LOCATION	K-CO-6938-0-4	1
6	6	Q5 THRU Q10	TRANSISTOR DEC 6534D	1503409-00	50	REF	REF	ASSY/DRILLING HOLE LAYOUT	E-AH-5938-0-5	2
1	1	E1	I.C. DEC 7404	1909686	51	REF	REF	MODULE ECO HISTORY	B-M-5938-0-6	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	CAP. .015 UF 50V 2% POLY CARB	1010646	5
1	1	E5	I.C. DEC 7400	1905575	54	1	1	CAP 8200 PF 100V MICA	1000001	6
7	7	E7, E8, E11 THRU E15	I.C. DEC 72741	1910298-00	53	1	1	CAP. .022 UF 100V 10% MYLAR	1002323	7
4	4		EYELET #GS4-7	9006732	56	3	3	CAP. 15UF 20V 10% S. TANT	1004812	8
2	2		HANDLE, FLIP CHIP GREEN	9008337-01	57	11	11	CAP. .01UF 100V 20% DISC.	1007610-01	9
A/R	A/R		GRIPLET	1210244-0	58	7	7	DIODE D662	1100113	10
1	1	R22	RES 200K, 1/8W, 1%	1305336	59	10	10	DIODE D664	1100114	11
1	1	R23	RES 137K, 1/8W, 1%	1305442	60	2	2	DIODE IN758A 10V	1100125	12
2	2	R13, R19	RES 9.09K, 1/8W, 1%	1304855	61	4	4	DIODE IN746A	1104860	13
1	1	R74	RES 2.94K, 1/8W, 1%	1301981	62	7	7	RES. 15K 1/4W 5%	1300496	14
3	3	E6, E9, E10	IC DEC 72741	1910298-01	63			RES. 13.3K 1/4W 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	1	R4	RES. 34.8K 1/8W 1% MF	1303156	17		
1	1	R5	RES. 68.1K 1/8W 1% MF	1305252	18		
1	1	R6	RES. 34.8K 1/8W 1% MF	1303156	19		
1	1	R7	RES. 21.5K 1/8W 1% MF	1303155	20		
1	1	R8	RES. 11.5K 1/8W 1% MF	1309415	21		
1	1	R9	RES. 21.5K 1/8W 1% MF	1303155	22		
1	1	R10	RES. 5.62K 1/8W 1% MF	1305128	23		
1	1	R11	RES. 11.5K 1/8W 1% MF	1309415	24		
1	1	R12	RES. 2.74K 1/8W 1% MF	1304868	25		
1	1	R13	RES. 5.62K 1/8W 1% MF	1305128	26		
5	5	R14, R15, R16, R17, R18	RES. 10K 1/8W 1% MF	1303312	27		
12	12	R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96	RES. 19.6K 1/8W 1% MF	1309419	28		
2	2	R97, R98	RES. 6.81K 1/8W 1% MF	1304870	29		
1	1	R99, R100	RES. 4.64K 1/8W 1% MF	1304856	30		
9	9	R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200	RES. 1.5K 1/4W 5%	1300391	31		
5	5	R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300	RES. 3.9K 1/4W 5%	1300444	32		
1	1	R301, R302	RES. 200K 1/8W 1% MF	1305336	33		
1	1	R303	RES. 3.83K 1/8W 1% MF	1309413	34		
1	1	R304	RES. 100K 1/4W 5%	1302466	35		
5	5	R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400	RES. 75K 1/4W 5%	1304841	36		
5	5	R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500	POT. 10K 3/4W 20% 76 PR	1309143-10	37		
3	3	R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600	POT. 2K 3/4W 10% 76 PR	1309143-08	38		
3	3	R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700	RES. 330 1/4W 5%	1300295	39		
5	5	R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800	RES. 511 1/8W 1% MF	1302411	40		
1	1	R801, R802	RES. 2.43K 1/8W 1% MF	1309418	41		
2	2	R803, R804	RES. 10 1/2W 5%	1300168	42		
1	1	R805	RES. 2.7 1/2W 10%	1309444	43		
6	6	R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900	RES. 22 1/4W 5%	1301969	44		
1	1	R901, R902	RES. 750 1/4W 5%	1301401	45		
3	3	R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000	RES. 1.96K 1/8W 1% MF	1304833	46		
1	1	R999, R1000	RES. 1.47K 1/8W 1% MF	1305108	47		
3	3	R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R1078, R1079, R1080, R1081, R1082, R1083, R1084, R1085, R1086, R1087, R1088, R1089, R1090, R1091, R1092, R1093, R1094, R1095, R1096, R1097, R1098, R1099, R1100	RES. 10K 1/4W 5%	1300479	48		

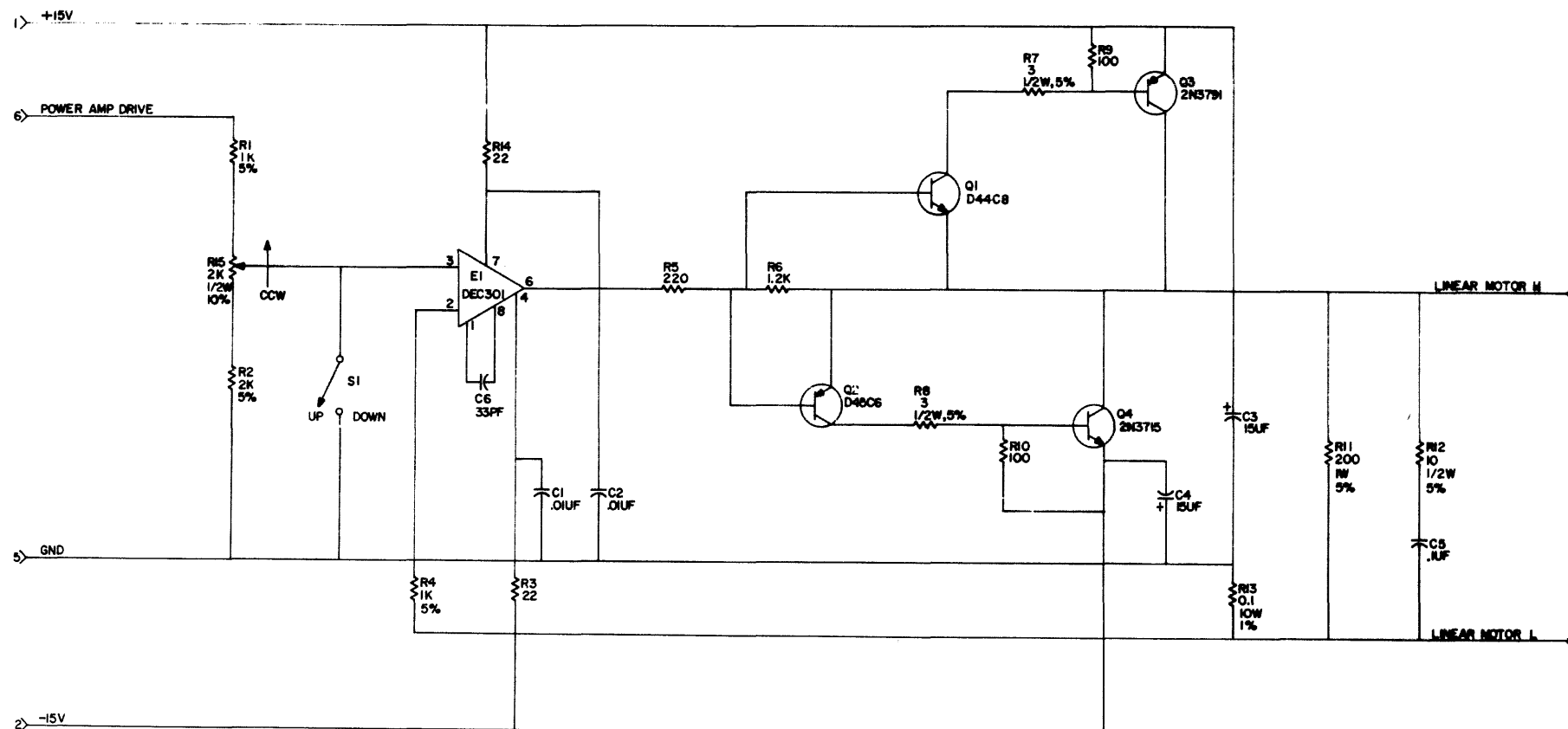
741	SEE SMT 2
M541	SEE SMT 2
IC TYPE	GND +5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE	
IC PIN LOCATIONS	

741	SEE SMT 2
M541	SEE SMT 2
IC TYPE	GND +5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE	
IC PIN LOCATIONS	

FIRST USED ON OPTION MODEL		PARTS LIST	
ETCH BOARD REV.	K	DATE	2-9-71
DRN.	R. DOUCETTE	DATE	2-9-71
CHK'D.	DEVAL	DATE	2-30-71
ENG.	D. JENSEN	DATE	2-30-71
PROJ. ENG.	D. JENSEN	DATE	2-30-71
PROD.	A. KARLSBERG	DATE	2-3-72
NEXT HIGHER ASSY		SCALE	1 OF 2
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			
SIZE	CODE	NUMBER	REV.
D	CS	6938-2-1	S

12

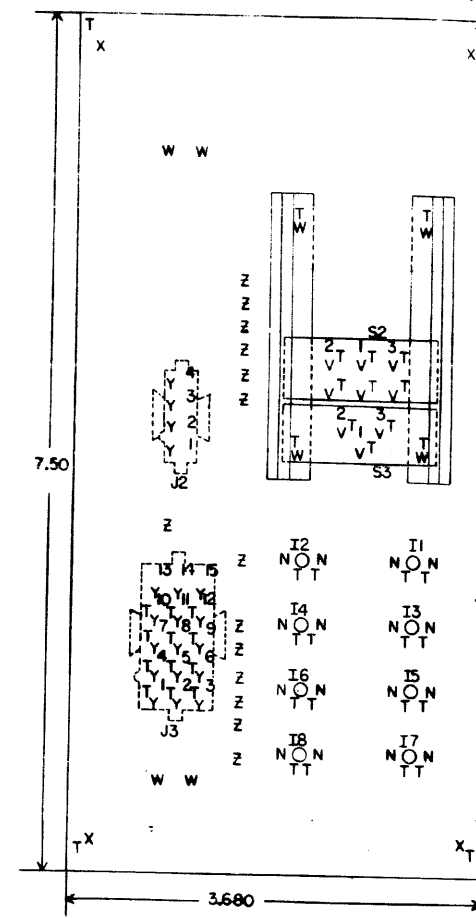
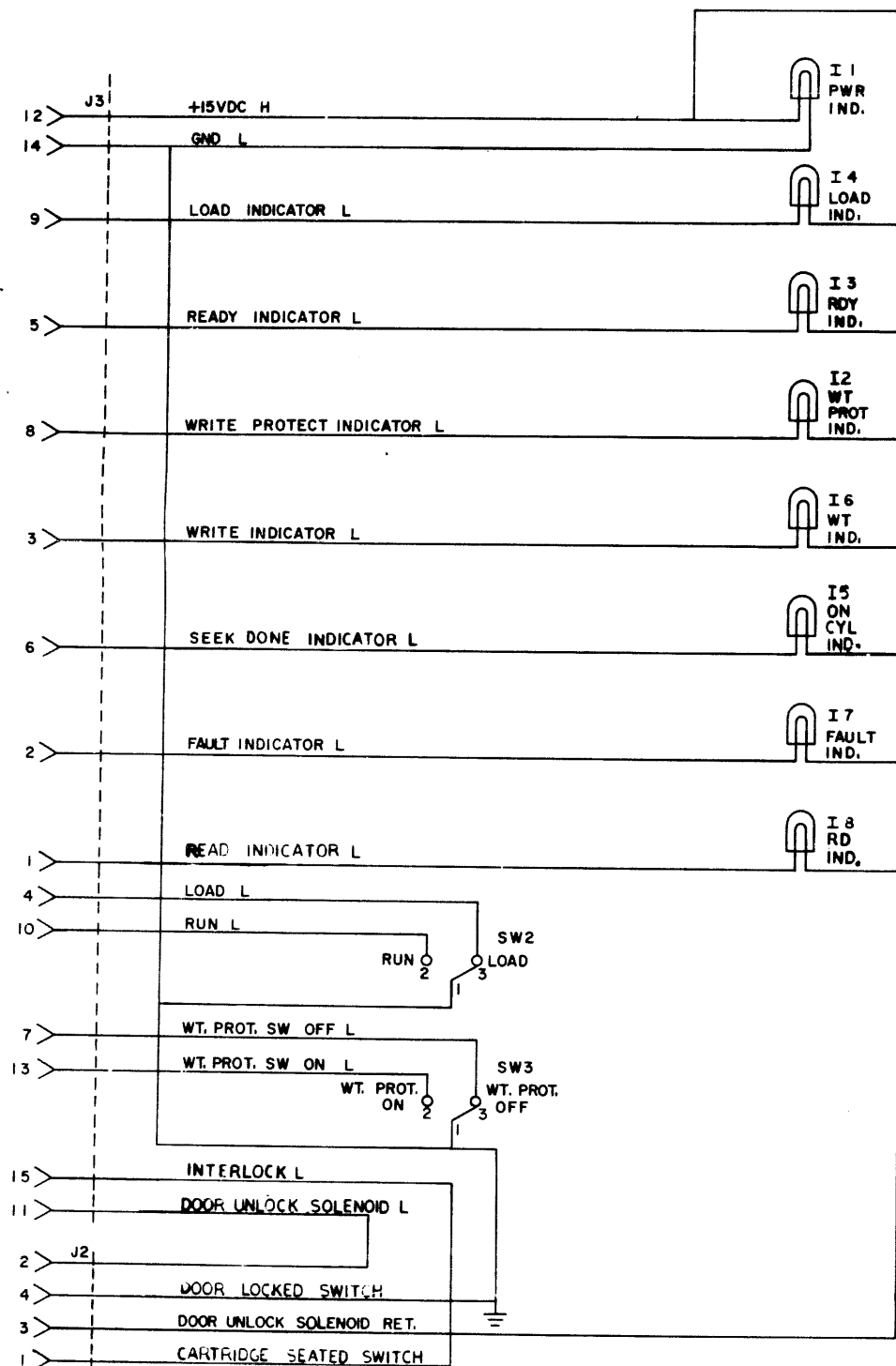




SIZE	CODE	NUMBER	SIV
D	CS	H604-0-1	K

TITLE		DECPAK HEAD POS. SERVO PWR. AMP.	
DATE	CODE	NUMBER	REVISION
D	CS	H604-0-1	1

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REVISIONS	
CHK	CHG NO. [REV.]
<i>DL</i>	00001 B
<i>D</i>	TENSEN
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	00001 C
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	D. JENSEN
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	00001 D
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	00001 E
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	<i>DL Jensen</i>
<i>DL</i>	JRNAL DIS
<i>DL</i>	<i>DL Jensen</i>

DEC FORM NO.

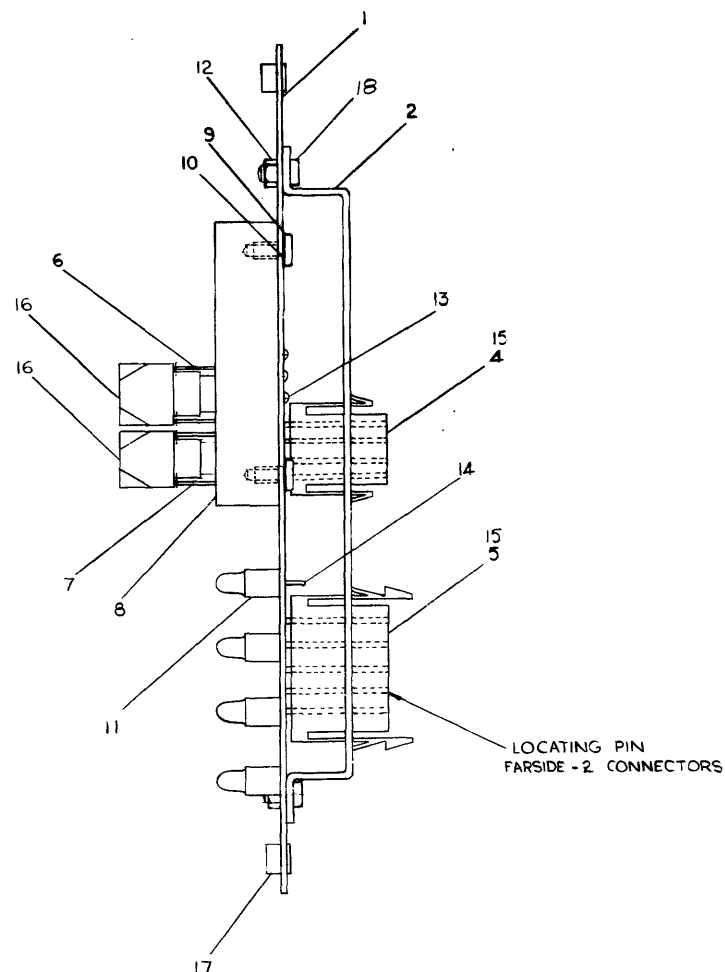
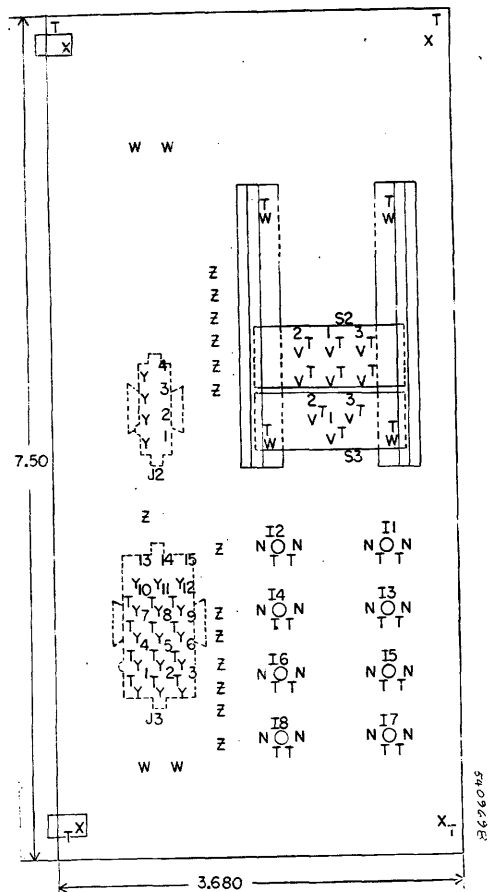
DRN. S. COOPER	DATE 11-20-71
CHK'D	DATE
ENG [Signature]	DATE 19 Dec 71
PRCD.	DATE

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE		RK7-1	
RK05 CONTROL PANEL			
SIZE	CODE	NUMBER	REV
C	CS	5409698-0-1	
PRINTED CIRCUIT REV			

SIZE CODE	NUMBER	REV.
C CS	5409698-0-	F



REF	ASSY/DRILLING HOLE LAYOUT	DAH 5409698-01
4	SCR. PHL PAN HD #4 40x5/16-10	9006010-1
2	NUT CLIP #6-32	9006488
2	SWITCH BUTTON	1205317-01
19	PIN SOCKET MATE-N-LOCK	1205451
16	TERMINAL SOLDERLESS	9007812
16	EYELET FEED THROUGH	9006781
4	NUT KEPS #4-40	9006517
6	11,12,13,14,15,16,17,18	1205463
4	LOCK WASHER INTERNAL 6-32	9006633
4	SCREW PHL PAN HEAD 1/4x5/16-10	9006021-1
2	SWITCH MOUNTING BAR	8 HD-5409698-01
1	SWITCH, ROCKER	1205375
1	SWITCH, ROCKER	1205341
1	HOUSING, SOCKET MATE-N-LOCK 4PIN	1205350-15
1	HOUSING, SOCKET MATE-N-LOCK 4PIN	1205350-04
1	CONNECTOR BRACKET	8 HD-5409698-01
1	ETCHED CIRCUIT BOARD	9006497
REF	MODULE ECO HISTORY	8 HD-5409698-01
REF	W-Y-CO ORDNATE HOLE LOCATION	8 HD-5409698-01
REF	CIRCUIT SCHEMATIC	2-5409698-01
REF	REF DESIGNATION	DESCRIPTION

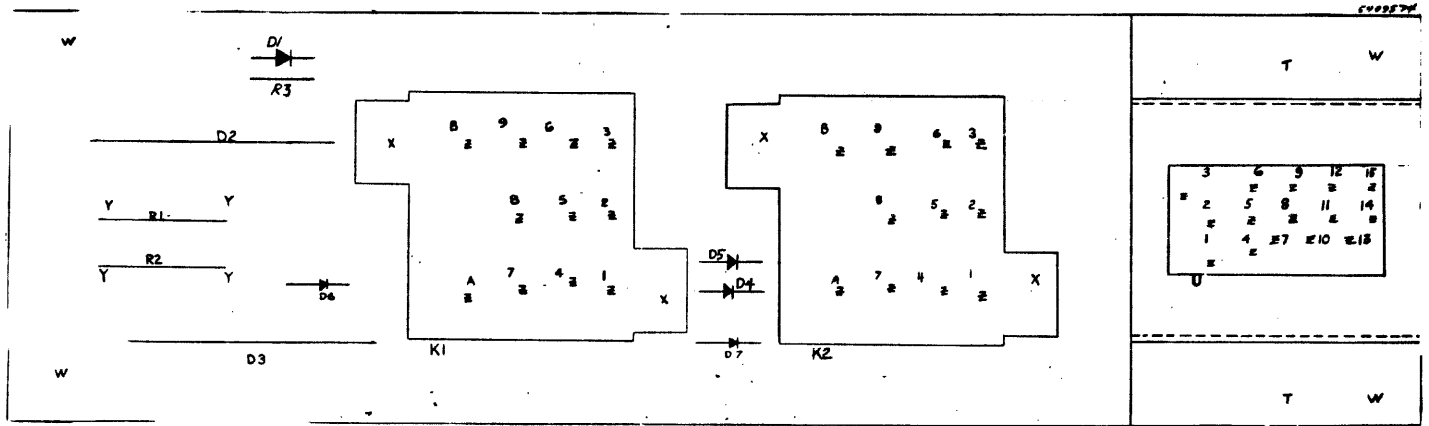
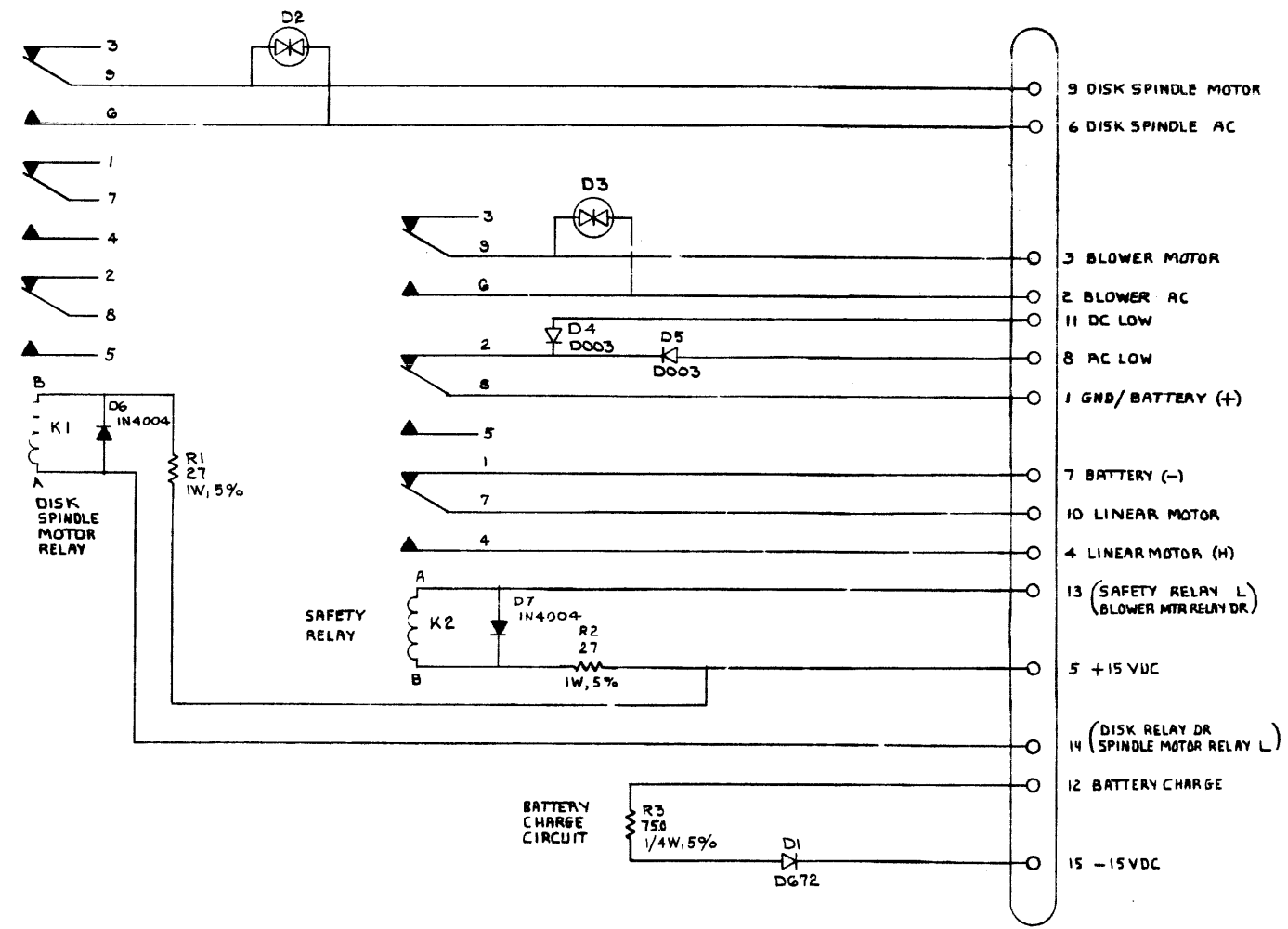
IC TYPE	QND	±5V	ITEM NO	AWG	FROM PT	TO PT
JUMPER LIST						
IC PIN LOCATIONS						
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE						

SEC NO	EDA NO	SEC NO	EDA NO
EQUIPMENT CORPORATION			
RK7-2			
CONTROL PANEL (RK25)			
EIA 5409698-0-0			

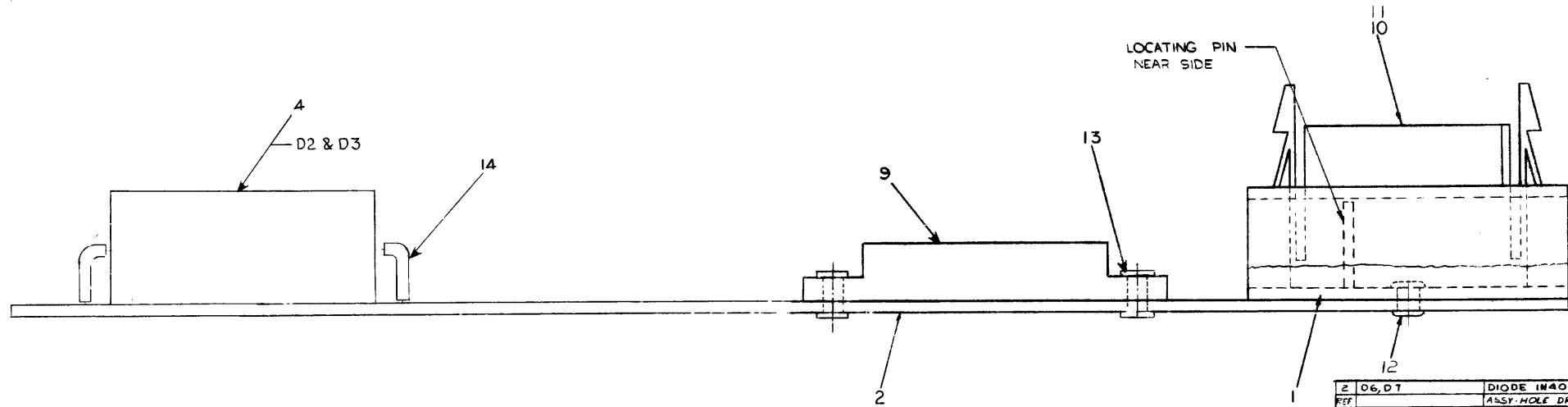
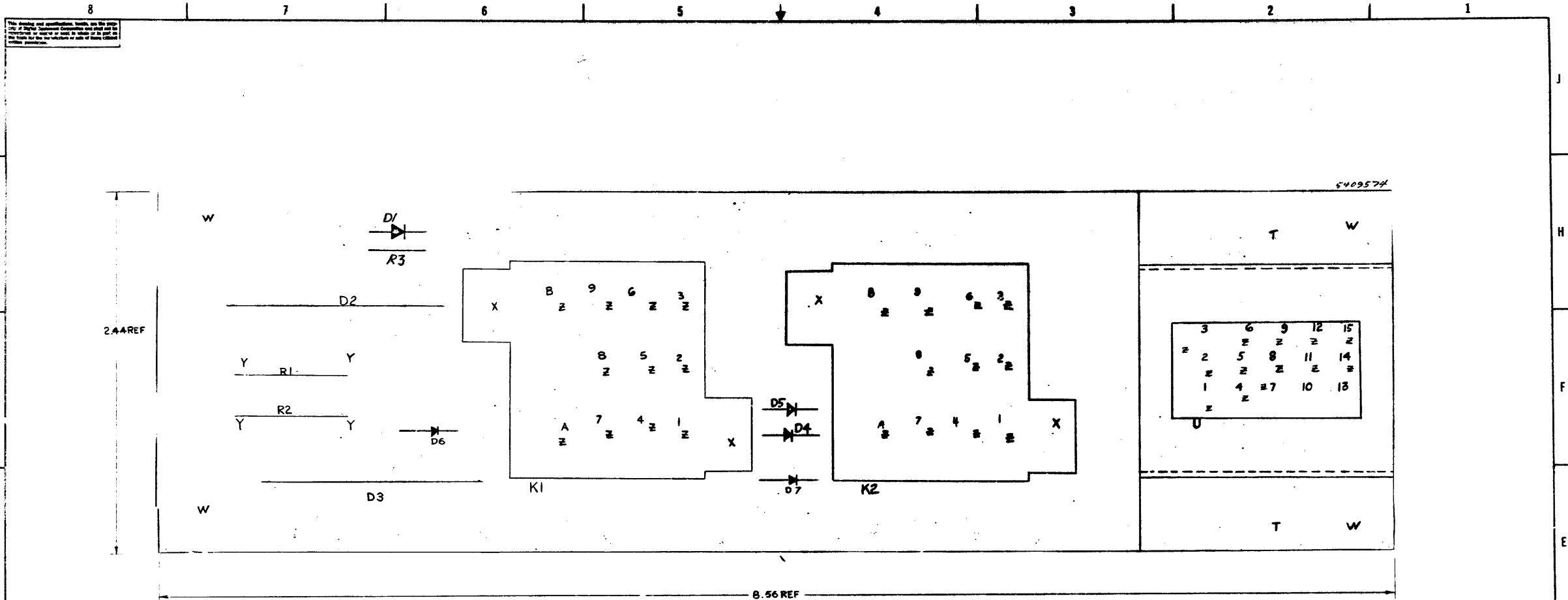
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NOTE:

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



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	F			
D003	IN994			
D672	IN3653			
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
REVISIONS				
CHK	CHANGE NO.	REV		
TITLE				
DEC PACK MOTOR RELAYS				
NUMBER				
5409574-0-1				
REV.				
H				



IC TYPE	QW	±5V	ITEM NO.	AWG	FROM PT	TO PT
IC PIN LOCATIONS						
JUMPER LIST						

CAUTION
CHANGE COULD AFFECT U.L. LISTING

FIRST USED ON
RK05

REV	DATE	DESCRIPTION
1	11/17/75	INITIALS
2	11/17/75	INITIALS
3	11/17/75	INITIALS
4	11/17/75	INITIALS
5	11/17/75	INITIALS
6	11/17/75	INITIALS
7	11/17/75	INITIALS
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85	11/17/75	INITIALS
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99	11/17/75	INITIALS
100	11/17/75	INITIALS

REV	DATE	DESCRIPTION
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97	11/17/75	INITIALS
98	11/17/75	INITIALS
99	11/17/75	INITIALS
100	11/17/75	INITIALS

DECPACK
MOTOR RELAYS

EIA 5409574-0-0

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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 3-5 L
- STROBE
- 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

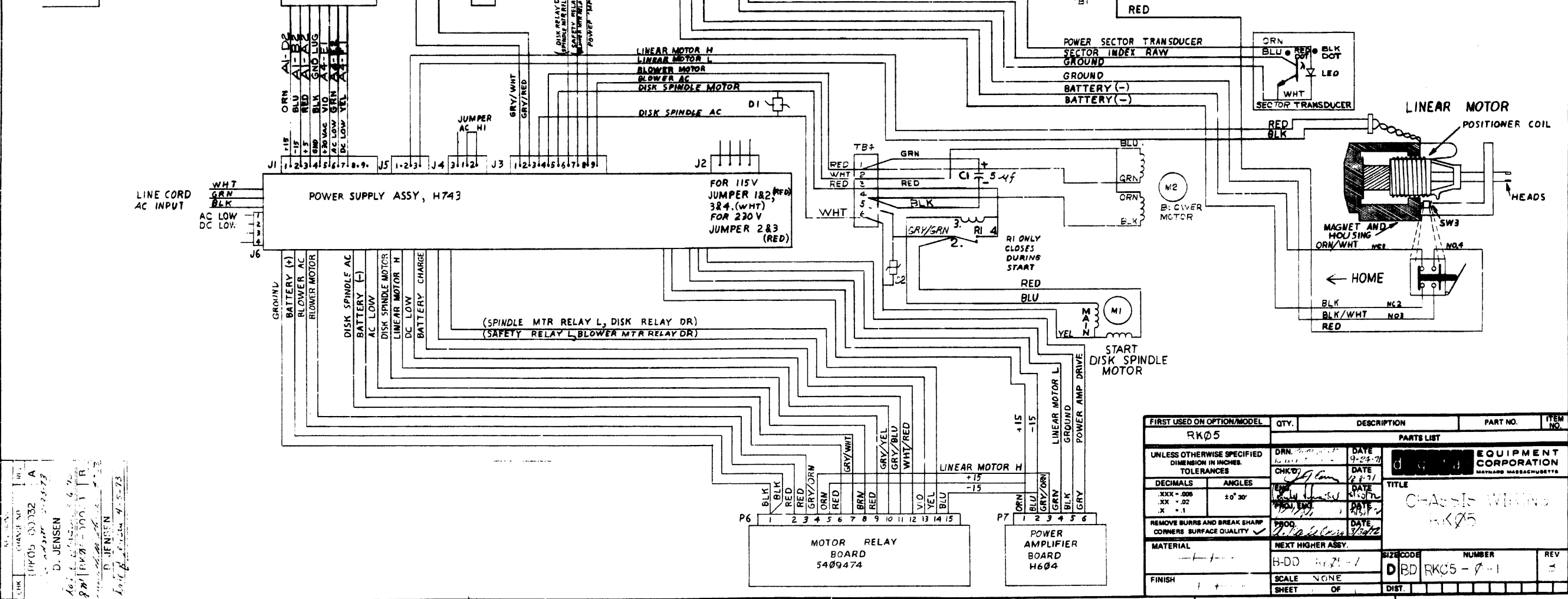
- A06 J1
- A06 H1
- A06 E1
- A06 K1
- A06 F1
- A06 N1
- A06 C1
- A06 A1
- A06 L1
- A06 P1
- A06 S1
- A06 M1
- A06 T1
- A06 R1
- B06 B1
- B06 E1
- B06 D1
- B06 J1
- B06 H1
- B06 S1
- B06 F1
- B06 A1
- B06 C1
- B06 K1
- B06 L1
- B06 T1
- B06 M1
- B06 N1
- B06 P1

- 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

- 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

- CONTROL PANEL
- J3
- J2

- 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.



APPROVED: D. JENSEN
DATE: 10-1-73
REV: 1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK05				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. DATE 9-23-71	DATE 12-7-71	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS ANGLES	CHK'D	DATE 12-7-71		
XXX - .005 XX - .02 X - .1	DATE 12-7-71	DATE 12-7-71	TITLE CHASSIS WIRING RK05	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 12-7-71	DATE 12-7-71		
MATERIAL	NEXT HIGHER ASSY.	DATE 12-7-71	SIZE CODE	NUMBER
FINISH	H-DD	DATE 12-7-71	SCALE NONE	REV
	SHEET OF	DIST.		

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY
DATE G. Schneider

CHECKED *[Signature]*
DATE 8/17/72

SECTION

ENG *[Signature]*
DATE 8/17/72

PROD *[Signature]*
DATE 8/17/72

ISSUED SECT.

LEGEND

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

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION											KIT CHECK		INSTALLATION CHECK	
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		ECONO RK05J 00006	
	SHEET 1 OF 1		DIST.											

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE

SEQUENCE

DRAWING DIRECTORY
 CIRCUIT SCHEMATIC
~~45V~~ REGULATOR
 CIRCUIT SCHEMATIC
 $\pm 15V$ REGULATOR
 CIRCUIT SCHEMATIC

-TB-DD-H743-~~1~~ SHEET #1 ONLY
-D-CS-H743-~~1~~
-(E-1A-5409503-0-0) D-1A-5409503-0-0
-D-CS-5409503-0-1
~(E-1A-5409484-0-0) D-1A-5409484-0-0
-D-CS-5409484-0-1

MFG PRINTS

POWER SUPPLY
POWER SUPPLY (PL)
DRAWING DIRECTORY
PACKAGING INSTRUCTION

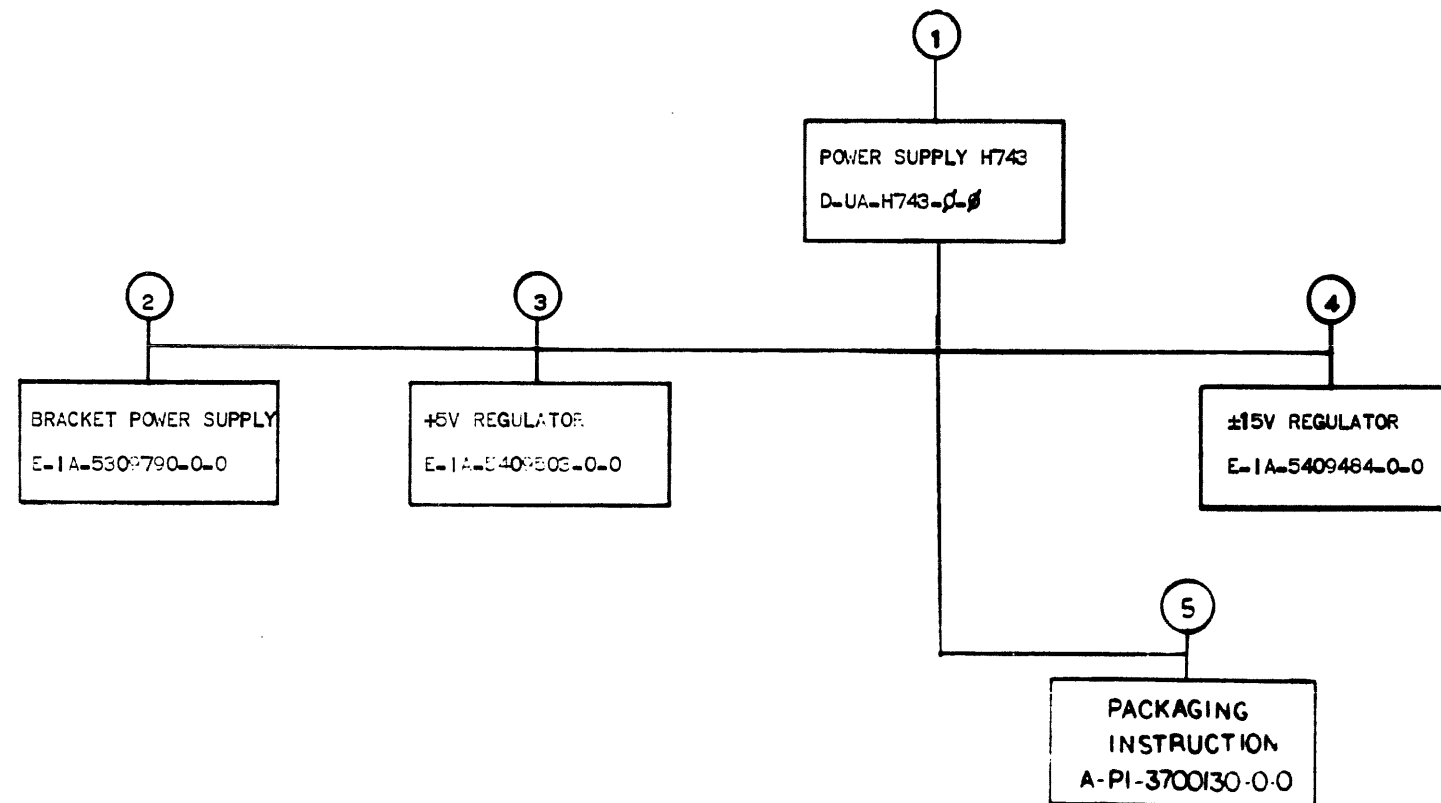
1 - UA-H743-0-0
 A-PL-H743-0-0
 B-DD-H743-0
 A-PI-3700130-0-0

UNIT VARIATIONS

PRINT SET TYPE

[illegible]

REVISIONS				USED ON OPTION MODEL	DRN	DATE	TITLE			
DATE	CHG. NO.	REV					CHK'D	DATE	SIZE	CODE
6/1/74	H743-1	A				1-1-74	B	DD	H743-1	
6/1/74	H743-2	B				1-1-74				
6/1/74	H743-3	C				1-1-74				
6/1/74	H743-4	D				1-1-74				
6/1/74	H743-5	E				1-1-74				
6/1/74	H743-6	F				1-1-74				
6/1/74	H743-7	G				1-1-74				
6/1/74	H743-8	H				1-1-74				
6/1/74	H743-9	I				1-1-74				
6/1/74	H743-10	J				1-1-74				
6/1/74	H743-11	K				1-1-74				
6/1/74	H743-12	L				1-1-74				
6/1/74	H743-13	M				1-1-74				
6/1/74	H743-14	N				1-1-74				
6/1/74	H743-15	O				1-1-74				
6/1/74	H743-16	P				1-1-74				
6/1/74	H743-17	Q				1-1-74				
6/1/74	H743-18	R				1-1-74				
6/1/74	H743-19	S				1-1-74				
6/1/74	H743-20	T				1-1-74				
6/1/74	H743-21	U				1-1-74				
6/1/74	H743-22	V				1-1-74				
6/1/74	H743-23	W				1-1-74				
6/1/74	H743-24	X				1-1-74				
6/1/74	H743-25	Y				1-1-74				
6/1/74	H743-26	Z				1-1-74				
6/1/74	H743-27	AA				1-1-74				
6/1/74	H743-28	AB				1-1-74				
6/1/74	H743-29	AC				1-1-74				
6/1/74	H743-30	AD				1-1-74				
6/1/74	H743-31	AE				1-1-74				
6/1/74	H743-32	AF				1-1-74				
6/1/74	H743-33	AG				1-1-74				
6/1/74	H743-34	AH				1-1-74				
6/1/74	H743-35	AI				1-1-74				
6/1/74	H743-36	AJ				1-1-74				
6/1/74	H743-37	AK				1-1-74				
6/1/74	H743-38	AL				1-1-74				
6/1/74	H743-39	AM				1-1-74				
6/1/74	H743-40	AN				1-1-74				
6/1/74	H743-41	AO				1-1-74				
6/1/74	H743-42	AP				1-1-74				
6/1/74	H743-43	AQ				1-1-74				
6/1/74	H743-44	AR				1-1-74				
6/1/74	H743-45	AS				1-1-74				
6/1/74	H743-46	AT				1-1-74				
6/1/74	H743-47	AU				1-1-74				
6/1/74	H743-48	AV				1-1-74				
6/1/74	H743-49	AW				1-1-74				
6/1/74	H743-50	AX				1-1-74				
6/1/74	H743-51	AY				1-1-74				
6/1/74	H743-52	AZ				1-1-74				
6/1/74	H743-53	BA				1-1-74				
6/1/74	H743-54	BB				1-1-74				
6/1/74	H743-55	BC				1-1-74				
6/1/74	H743-56	BD				1-1-74				
6/1/74	H743-57	BE				1-1-74				
6/1/74	H743-58	BF				1-1-74				
6/1/74	H743-59	BG				1-1-74				
6/1/74	H743-60	BH				1-1-74				
6/1/74	H743-61	BI				1-1-74				
6/1/74	H743-62	BJ				1-1-74				
6/1/74	H743-63	BK				1-1-74				
6/1/74	H743-64	BL				1-1-74				
6/1/74	H743-65	BM				1-1-74				
6/1/74	H743-66	BN				1-1-74				
6/1/74	H743-67	BO				1-1-74				
6/1/74	H743-68	BP				1-1-74				
6/1/74	H743-69	BQ				1-1-74				
6/1/74	H743-70	BR				1-1-74				
6/1/74	H743-71	BS				1-1-74				
6/1/74	H743-72	BT				1-1-74				
6/1/74	H743-73	BU				1-1-74				
6/1/74	H743-74	BV				1-1-74				
6/1/74	H743-75	BW				1-1-74				
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6/1/74	H743-78	BZ				1-1-74				
6/1/74	H743-79	CA				1-1-74				
6/1/74	H743-80	CB				1-1-74				
6/1/74	H743-81	CC				1-1-74				
6/1/74	H743-82	CD				1-1-74				
6/1/74	H743-83	CE				1-1-74				
6/1/74	H743-84	CF				1-1-74				
6/1/74	H743-85	CG				1-1-74				
6/1/74	H743-86	CH				1-1-74				
6/1/74	H743-87	CI				1-1-74				
6/1/74	H743-88	CJ				1-1-74				
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6/1/74	H743-90	CL				1-1-74				
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6/1/74	H743-93	CO				1-1-74				
6/1/74	H743-94	CP				1-1-74				
6/1/74	H743-95	CQ				1-1-74				
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6/1/74	H743-97	CS				1-1-74				
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6/1/74	H743-120	DP				1-1-74				
6/1/74	H743-121	DQ				1-1-74				
6/1/74	H743-122	DR				1-1-74				
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6/1/74	H743-124	DT				1-1-74				
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6/1/74	H743-126	DV				1-1-74				
6/1/74	H743-127	DW				1-1-74				
6/1/74	H743-128	DX				1-1-74				
6/1/74	H743-129	DY				1-1-74				
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6/1/74	H743-137	EG				1-1-74				
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6/1/74	H743-139	EI				1-1-74				
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6/1/74	H743-143	EM				1-1-74				
6/1/74	H743-144	EN				1-1-74				
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6/1/74	H743-146	EP				1-1-74				
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6/1/74	H743-152	EV				1-1-74				
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6/1/74	H743-154	EX				1-1-74				
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6/1/74	H743-159	FC				1-1-74				
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6/1/74	H743-161	FE				1-1-74				
6/1/74	H743-162	FF				1-1-74				
6/1/74	H743-163	FG				1-1-74				
6/1/74	H743-164	FH				1-1-74				
6/1/74	H743-165	FI				1-1-74				
6/1/74	H743-166	FJ				1-1-74				
6/1/74	H743-167	FK				1-1-74				
6/1/74	H743-168	FL				1-1-74				
6/1/74	H743-169	FM				1-1-74				
6/1/74	H743-170	FN				1-1-74				
6/1/74	H743-171	FO				1-1-74				
6/1/74	H743-172	FP				1-1-74				



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
POWER SUPPLY (H743)		B DD	H743-0	

DPB 108
DEC 16-(325)-1062-2B-R972

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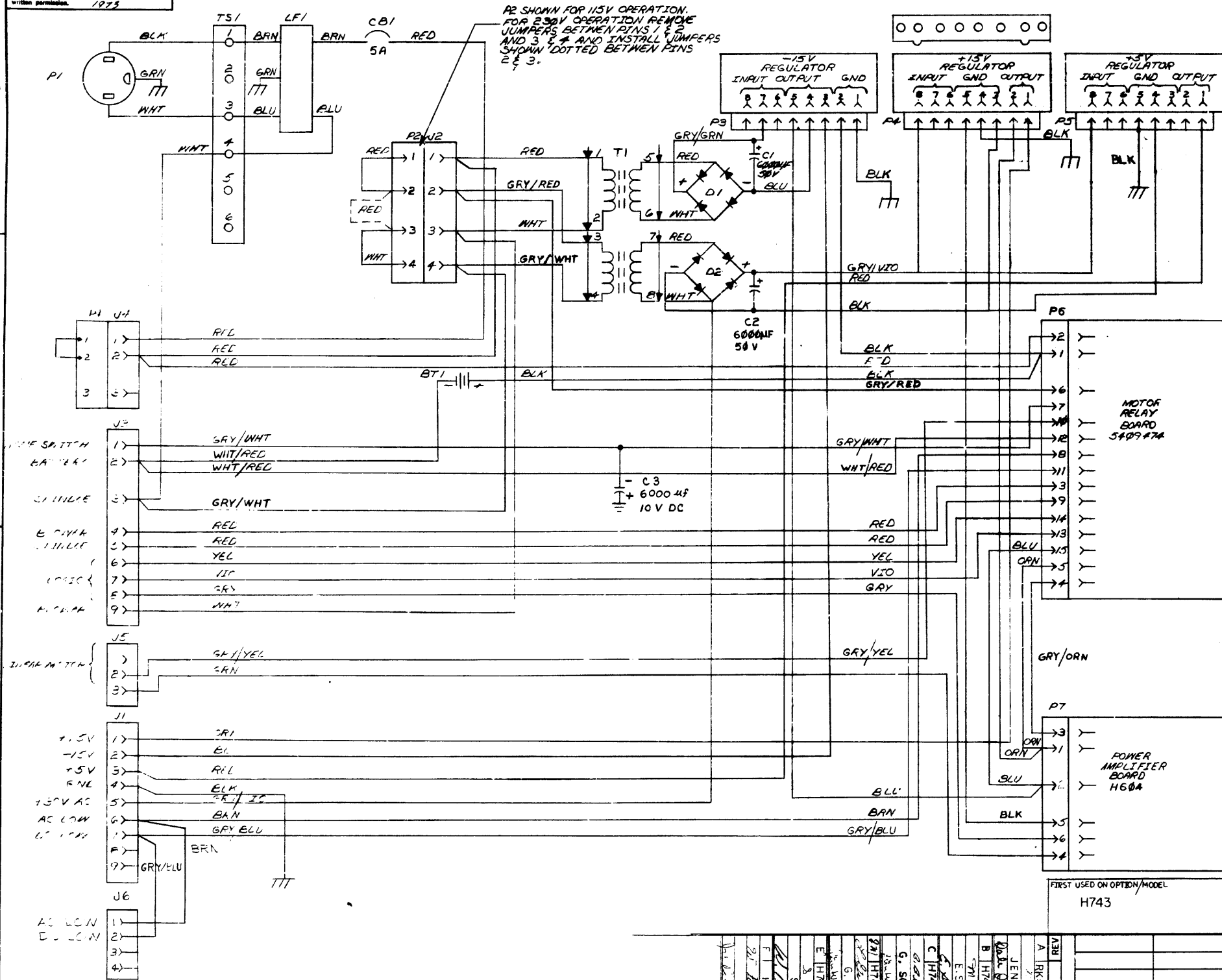
D

C

B

A

P2 SHOWN FOR 115V OPERATION.
FOR 230V OPERATION REMOVE
JUMPERS BETWEEN PINS 1 & 2
AND 3 & 4 AND INSTALL JUMPERS
SHOWN DOTTED BETWEEN PINS
2 & 3.



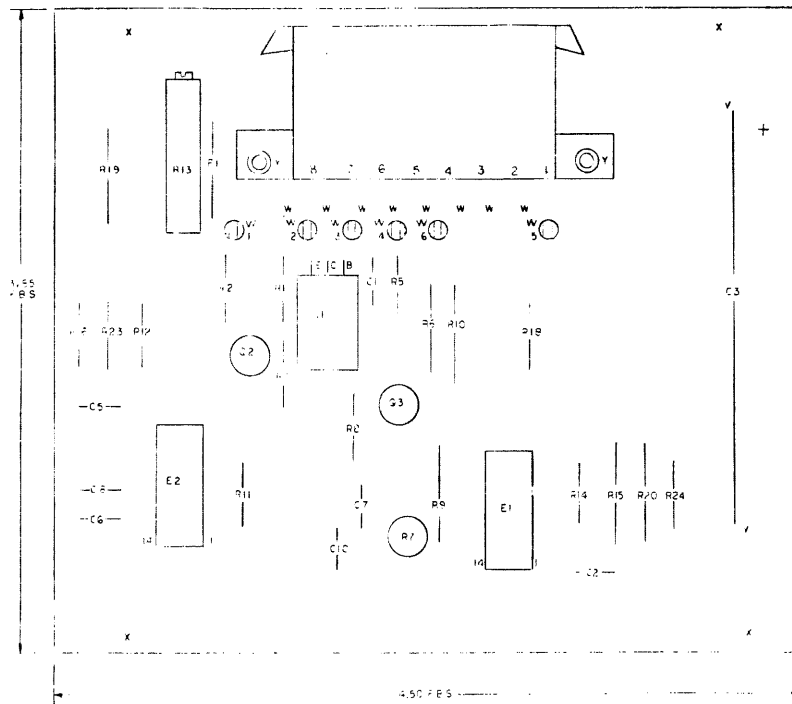
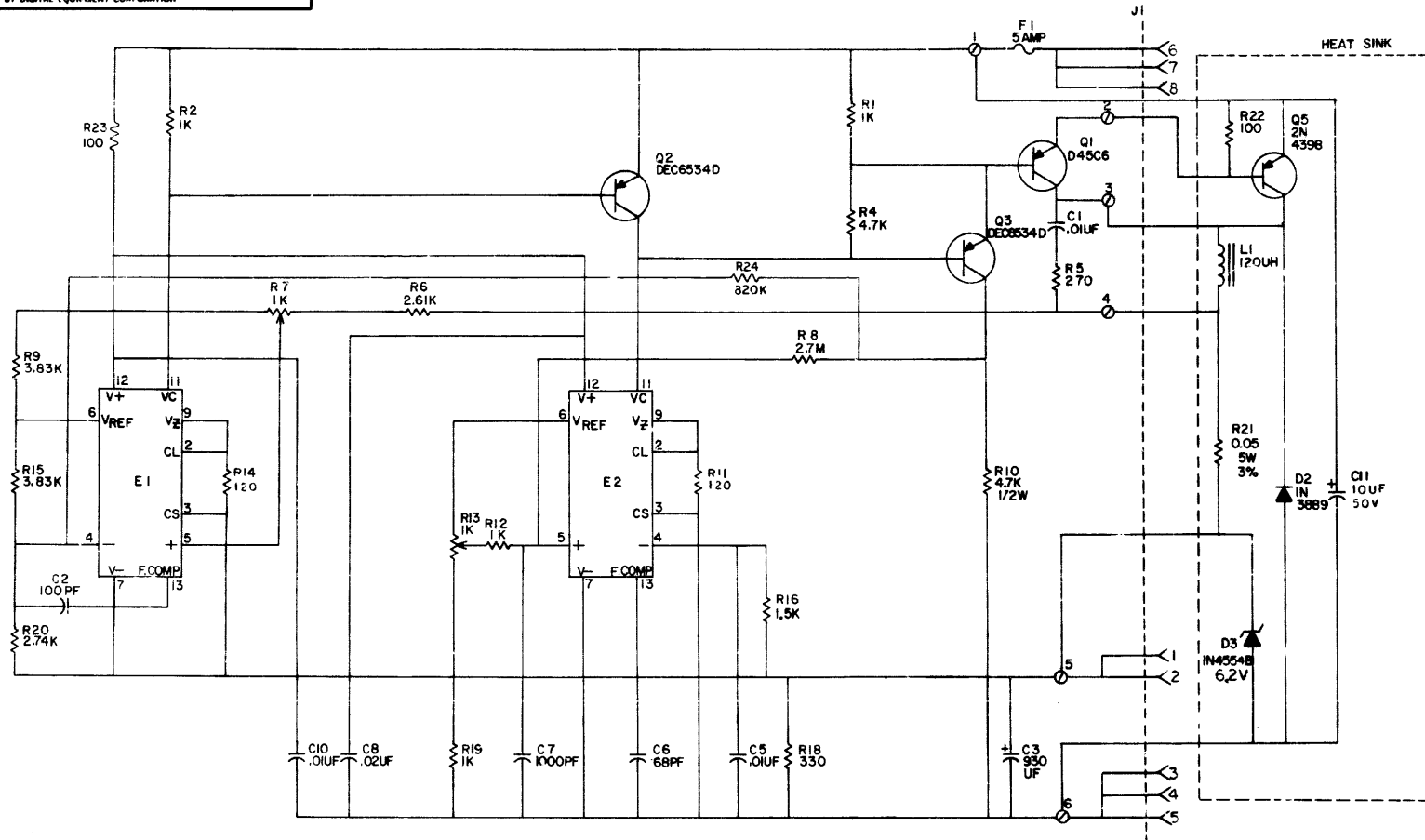
1	PI	POWER CORD 230V	1700016-09	22
1	C3	CAP 6000 μ F 10VDC	1010704	21
1	P4	JUMPER AC HI	B-1A-7008729-30	20
1	P2	JUMPER 230V	B-1A-7008729-20	19
1	P2	JUMPER 115V	B-1A-7008729-10	18
3	P3, P4, P6	CONN, MATE-N-LOCK, 8PIN	1209340-01	17
1	TS1	TERMINAL STRIP (6POS)	9006906	16
1	T1	TRANSFORMER	1610511	15
1	BT1	BATTERY	1210784	14
1	P7	CONN, MATE-N-LOCK, 6PIN	1209351-06	13
1	P6	CONN, MATE-N-LOCK, 15PIN	1209351-15	12
1		+5V REGULATOR	E-1A-5409503-00	11
2		$\pm$ 15V REGULATOR	E-1A-5409484-00	10
1	BT1	BATTERY	1210641	9
1	PI	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 6000 μ F, 50V	1010510	3
2	D1, D2	RECTIFIER (MDA990-3)	1110051	2
1	CBI	CIRCUIT BREAKER 5A	1209283	1

FIRST USED ON OPTION/MODEL
H743

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV				
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D.	DATE	TITLE		
APP'D.	DATE	CIRCUIT SCHEMATIC		
PRO'D.	DATE	H743		
REV.	DATE	NEXT HIGHER ASSY		
REV.	DATE	B-DD-H743-0		
SCALE	DATE	SIZE CODE	NUMBER	REV.
SHEET	OF	DIST.		

SEMICONDUCTOR CONVERSION CHART

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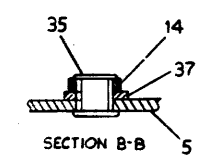
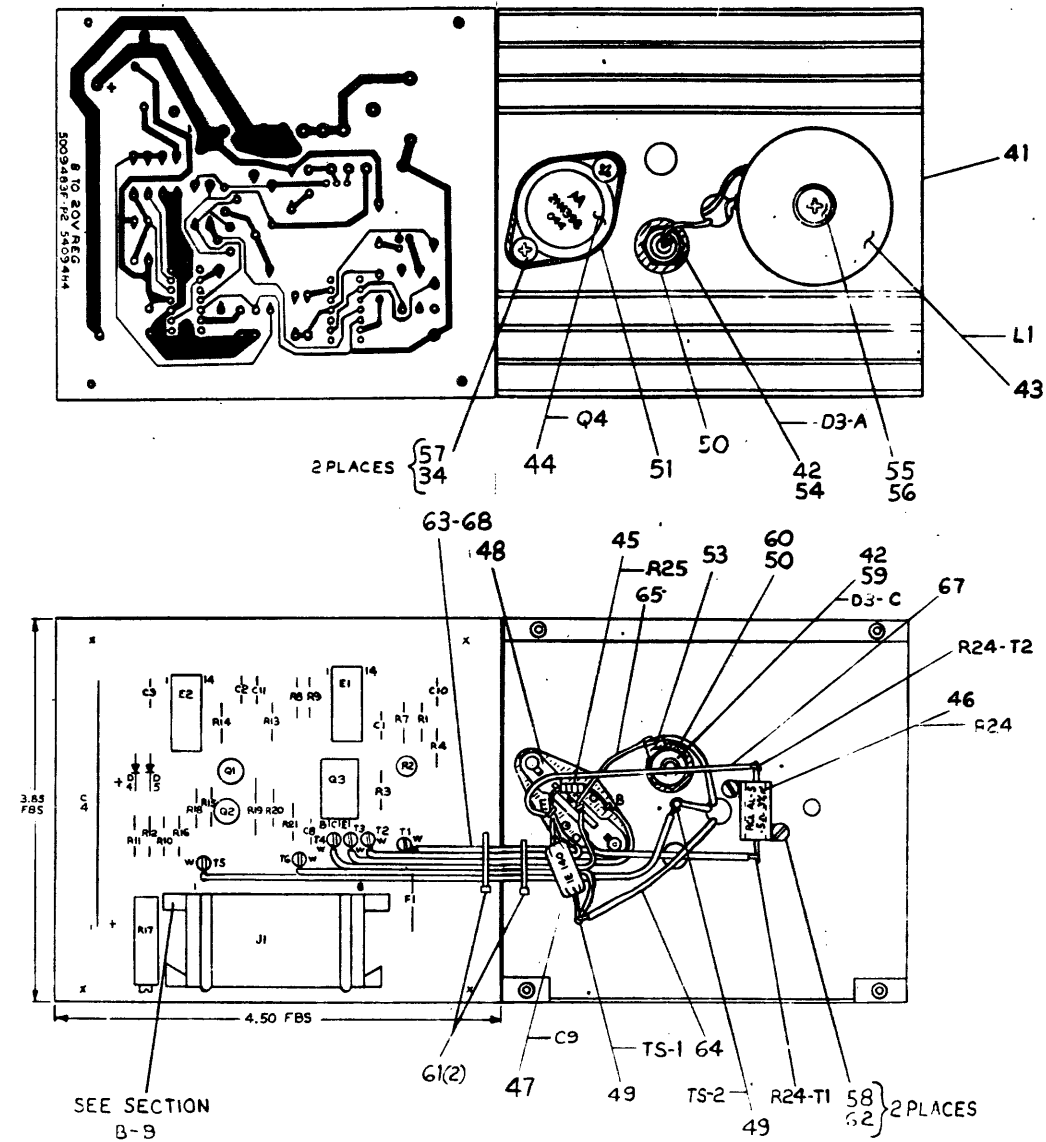


QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R1	RES 1K 1/4W 5%	1300445	21
1	R2	RES 1K 1/4W 5%	1301972	20
1	R3	RES 4.7K 1/4W 5%	1300447	19
3	R1, R2, R12	RES 1K 1/4W 5%	1300365	18
1	R18	RES 330 1/4W 5%	1300295	17
1	R24	RES 820K 1/4W 10%	1303187	15
8	J1	CONNECTOR PIN	1209456	15
1	F1	FUSE 5A	1209400	14
1	D3	DIODE IN4554B 6.2V	1112122	2
1	C8	CAP.02UF 100V -0+20% DISC	1000004	11
1	C3	CAP 930UF 30V -10+75% ELEC.	1010509	10
3	C1, C5, C10	CAP.01UF 100V 20% DISC	1001610	9
1	C7	CAP 100PF 100V 5% MICA	1000042	8
1	C2	CAP 100 PF 100V 5% DM	1000016	7
1	C6	CAP 68PF 100V 5% DM	1000014	6
1		ETCH CIRCUIT BOARD	5009502	5
1		MODULE ECO HISTORY	B-MH-540503-0-1	4
		ASSY/DRILLING HOLE LAYOUT	D-AH-54035030-5	3
		X-Y COORDINATE HOLE LOCATION	K-CO-54095030-4	2
		+5V REGULATOR	D-IA-5105030-0-0	1

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R10	RES 4.7K 1/2W 5%	1300445	21
1	R5	RES 270 1/4W 5%	1301972	20
1	R4	RES 4.7K 1/4W 5%	1300447	19
3	R1, R2, R12	RES 1K 1/4W 5%	1300365	18
1	R18	RES 330 1/4W 5%	1300295	17
1	R24	RES 820K 1/4W 10%	1303187	15
8	J1	CONNECTOR PIN	1209456	15
1	F1	FUSE 5A	1209400	14
1	D3	DIODE IN4554B 6.2V	1112122	2
1	C8	CAP.02UF 100V -0+20% DISC	1000004	11
1	C3	CAP 930UF 30V -10+75% ELEC.	1010509	10
3	C1, C5, C10	CAP.01UF 100V 20% DISC	1001610	9
1	C7	CAP 100PF 100V 5% MICA	1000042	8
1	C2	CAP 100 PF 100V 5% DM	1000016	7
1	C6	CAP 68PF 100V 5% DM	1000014	6
1		ETCH CIRCUIT BOARD	5009502	5
1		MODULE ECO HISTORY	B-MH-540503-0-1	4
		ASSY/DRILLING HOLE LAYOUT	D-AH-54035030-5	3
		X-Y COORDINATE HOLE LOCATION	K-CO-54095030-4	2
		+5V REGULATOR	D-IA-5105030-0-0	1

WIRE TABLE							EXTERNAL COMPONENTS						
ITEM NO.	DESCRIPTION	LENGTH INCHES ± 1/8	STRIP LENGTH X	STRIP LENGTH Y	CONNECTIONS FROM	TO	ITEM NO.	LENGTH	DESCRIPTION	POL	CONNECTIONS FROM	TO	POL
43	—	BLK	2 1/8	—	1/2	L1	45	SEE NOTE 2	RES 100Ω 1/4W 5%	—	Q4-E	Q4-B	—
43	—	BLK	2 1/8	—	1/2	L1	47	SEE NOTE 3	CAP 10μF 50V 10%	+	Q4-E	TS-1	—
65	18	BLU	2 1/4	1/2	1/2	Q4-C							
67	18	GRY	3 5/8	1/2	1/2	Q4-E							
64	18	GRN	4 1/2	1/2	1/2	D3-ANODE							
68	18	WHT	5 7/8	1/2	1/2	SPLIT LUG							
67	18	GRY	4 7/8	1/2	1/2	*2							
66	18	VIO	5 1/8	1/2	1/2	*3							
65	18	BLU	5 1/8	1/2	1/2	*4							
64	18	GRN	5 1/2	1/2	1/2	*5							
63	18	YEL	6 7/8	1/2	1/2	SPLIT LUG							

SEE NOTE 5



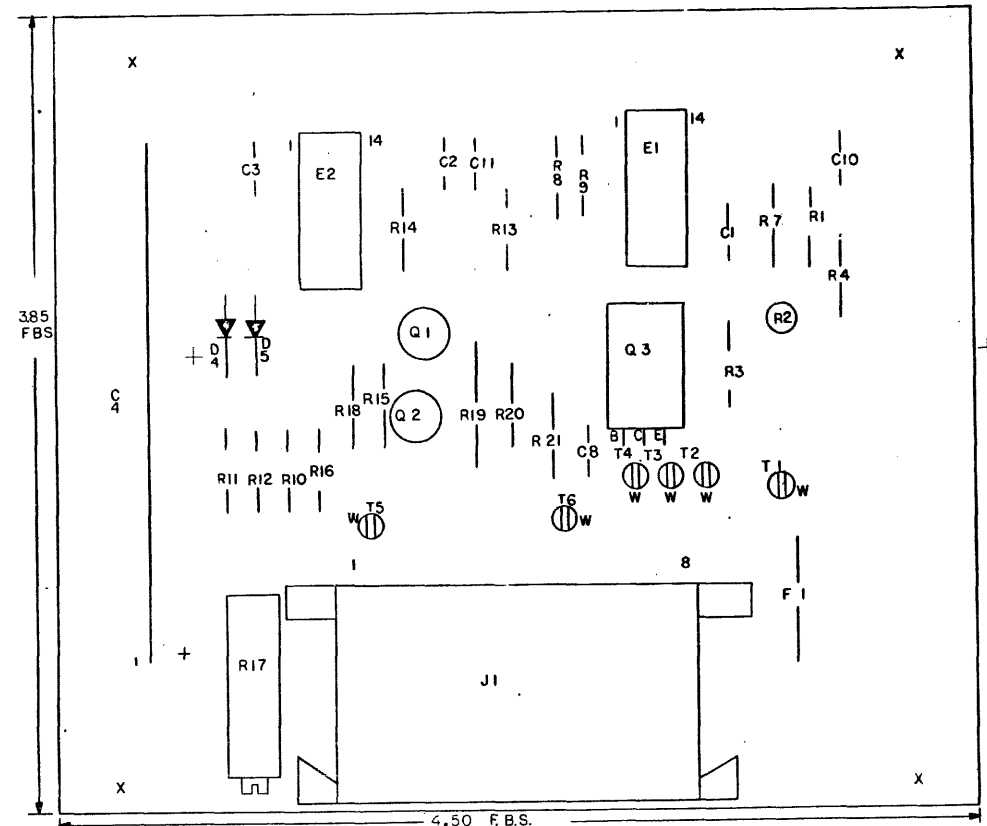
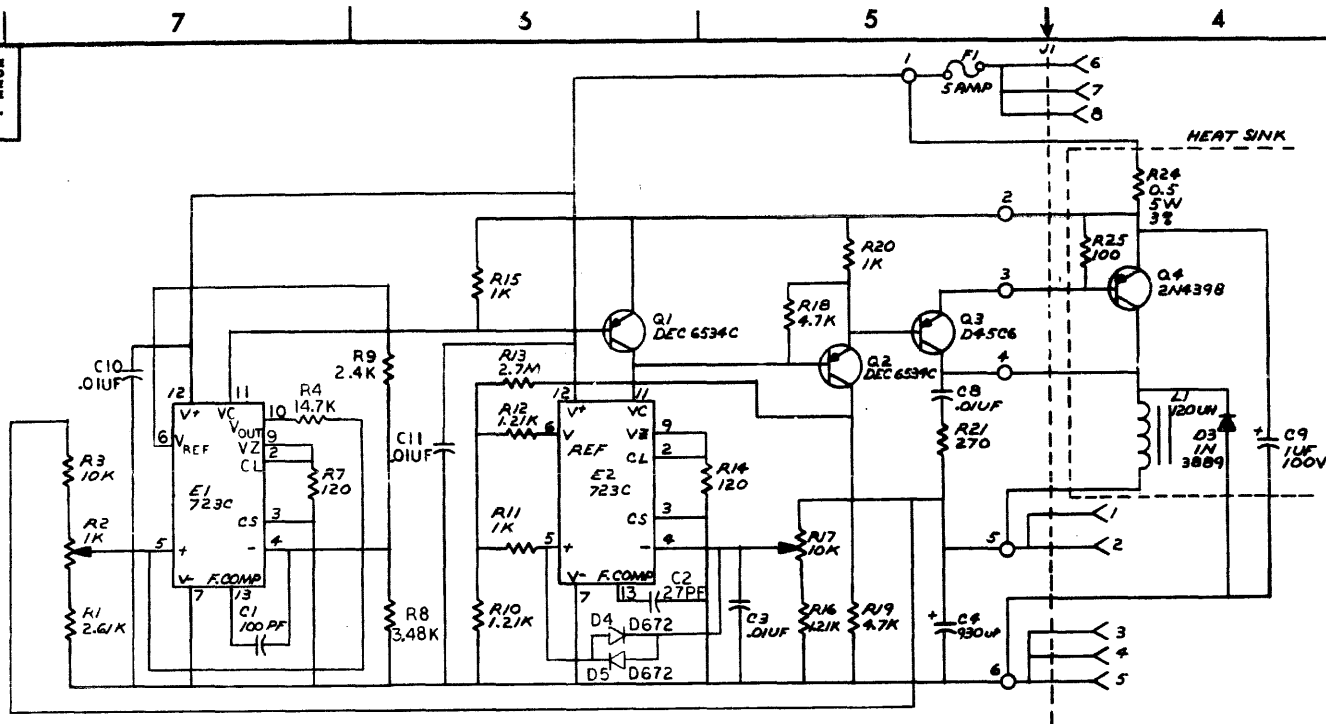
- NOTES:
- R17 IS USED FOR OUTPUT VOLTAGE ADJUSTMENT. R2 IS USED FOR OUTPUT POWER ADJUSTMENT.
 - CUT LEADS OF RES. (R25) SO THERE IS 3/8" OF A LEAD LEFT AT BOTH ENDS.
 - CUT LEADS OF CAP.(C9) SO THERE IS 1/2" OF A LEAD LEFT AT BOTH ENDS.
 - THERMAL COMPOUND (ITEM *39) IS TO BE APPLIED TO BOTH SIDES OF 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.
 - 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.

QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
ETCH BOARD REV				
DRN. T. GULLIN DATE 7.1.71				
CHK'D. J. FLEMING DATE 8.1.71				
ENG. P. SVENDSEN DATE 8.1.71				
PROJ. ENG. P. SVENDSEN DATE 8.1.71				
PROD. P. FAZL DATE 9.1.71				
NEXT HIGHER ASSY				
D-UA-H737-C-1				
SCALE NONE				
SHEET 1 OF 1				
DIST.				
REV. K				

SEMICONDUCTOR CONVERSION CHART

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

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QTY	REF DESIGNATION	DESCRIPTION	PART NO.	REV.
1	WASHER, LOCK SPRING		9007801	69
A/R	WIRE #18 AWG STD (WHT)		9107360-99	1
A/R	WIRE #18 AWG STD (GRY)		9107360-88	1
A/R	WIRE #18 AWG STD (VIO)		9107360-77	66
A/R	WIRE #18 AWG STD (BLU)		9107360-66	45
A/R	WIRE #18 AWG STD (GRN)		9107360-55	4
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	6/32 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		9008450	53
4	#6-20 x 3/8" SELF TAPPING SCREW		9008407-01	52
1	THERMAL INSULATOR		9008419	51
2	THERMAL INSULATOR		9008424	50
2	TS-1, TS-2		9009060	49
1	TRANSISTOR SOCKET		1210130	48
1	CAP 100V 100V		1005307	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	Z1	120V CHOK	1402573	43
1	D3	DIODE 1N3889	1110491	42
1	HEAT SINK		0-38-3809543-0-0	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
				30
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%	1309443-10	26
1	R13	RES. 2.7M 1/4W 5%	1309480	25
3	R11,15,20	RES 1K 1/4W 5%	1300365	24
3	R10,12,16	RES 1.2K 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
				20
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	1303312	17
1	R2	RES VARIABLE 1K 1/2W	130950-03	16
1	R1	RES 2.61K 1/8W 1% MF	1303303	15
1	J1	AMP 8 PIN CONNECTOR	1209340-00	14
2	D4,D5	DIODE D672	1105275	13
				12
				11
				10
1	C4	CAP. 930UF 30V -10+75%	100509	9
4	C3, 8,10,11	CAP. .01UF 100V 20% AXIAL	1004610	8
1	C2	CAP 27 PF 100V 5% MICA	1001731	7
1	C1	CAP 100PF 100V 5% DM.	1000016	6
1		ETCHED CIRCUIT BOARD	5009483	5
		MODULE ECO HISTORY	8-MH-5409483-06	4
		ASSY DRILLING HOLE LAYOUT	8-AH-540-1840-5	3
		X-Y COORDINATE HOLE LOCATION	8-CO-5407840-0-4	2
		B TO 20V REGULATOR	8-20-5407840-0-0	1

CHK	CHANGE NO.	REV.	DATE	BY	APP
1	00005	1	5/10/75	J. RINALDIS	
2	00006	1	5/10/75	J. RINALDIS	
3	00007	1	5/10/75	J. RINALDIS	

DRWG NO

REVLTR

K-WL-RK05-0-3

C

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	RK05-00014	7/1/72	Ed
B	RK05-00031	2/73	Ed
C	RK05J-00005	4/76	gml

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

PK25.C	APP2RR.V34(62)-1	31-Jul-75	2-Jun-76	8156	PAGE 1											
RUN NAME	A/P	PIN NAME	ORDER PIN	PAY - ORDER	Q	ORAX	FV	WG	Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	RUN NUMBER
+15VDC	H	AM5D2		1-01 *			D05-9				1			0-4/8		1
+15VDC	H	AM6D1		1-02 *			D05-9									1
+15VDC	H			1										0-4/8		1
+5VDC BULK	H	AM6A1		1-01 *			D05-9				1			0-4/8		2
+5VDC BULK	H	AM6A2		1-02 *			D05-9									2
+5VDC BULK	H			1										0-4/8		2
128	H	AM1N2		1-01 *			D05-1				1			2-5/8		3
128	H	AM3A1		1-02 *			D05-1									3
128	H			1										2-5/8		3
AC LOW	H	AM4R2		1-01 *			D05-8				1			2-7/8		4
AC LOW	H	AM7F1		1-02 *			D05-8				2			1		4
AC LOW	H	AM7F1		1-03 *			D05-8									4
AC LOW	H			1										3-7/8		4
ADDR ACCEPTED	L	AM2S1		1-01 *			D05-5				1			1-2/8		5
ADDR ACCEPTED	L	AM3N1		1-02 *			D05-5									5
ADDR ACCEPTED	L			1										1-2/8		5
ADDRESS INVALID	L	AM2F1		1-01 *			D05-2				1			0-5/8		6
ADDRESS INVALID	L	AM3F1		1-02 *			D05-2									6
ADDRESS INVALID	L			1										0-5/8		6
BLOWER MTR RELAY DR	H	AM4A1		1-01 *			D05-9				1			5-5/8		7
BLOWER MTR RELAY DR	H	AM6N1		1-02 *			D05-9									7
BLOWER MTR RELAY DR	H			1										5-5/8		7
BUS ADDR ACCEPTED	L	AM2R1		1-01 *			D05-4				1			3-2/8		8
BUS ADDR ACCEPTED	L	AM7R2		1-02 *			D05-4				2			1		8
BUS ADDR ACCEPTED	L	AM8R2		1-03 *			D05-4									8
BUS ADDR ACCEPTED	L			1										4-2/8		8
BUS ADDR INVALID	L	AM8T2		1-01 *			D05-4				2			1		9
BUS ADDR INVALID	L	AM7T2		1-02 *			D05-4				1			4-1/8		9
BUS ADDR INVALID	L	AM2A1		1-03 *			D05-4									9
BUS ADDR INVALID	L			1										5-1/8		9
BUS FILE READY	L	AM4M1		1-01 *			D05-7				1			4-6/8		10
BUS FILE READY	L	AM8N1		1-02 *			D05-7				2			1		10
BUS FILE READY	L	AM7N1		1-03 *			D05-7									10
BUS FILE READY	L			1										5-6/8		10
BUS INDEX PUL	L	AM2K1		1-01 *			D05-3				1			4-6/8		11
BUS INDEX PUL	L	AM8M1		1-02 *			D05-3				2			1		11
BUS INDEX PUL	L	AM7M1		1-03 *			D05-3									11
BUS INDEX PUL	L			1										5-6/8		11
BUS P/W/S READY	L	AM2M1		1-01 *			D05-4				1			3-5/8		12
BUS P/W/S READY	L	AM7H2		1-02 *			D05-4				2			1		12
BUS P/W/S READY	L	AM8H2		1-03 *			D05-4									12
BUS P/W/S READY	L			1										4-5/8		12

PK25.C	APP2RR.V34(62)-1	31-JUL-75	2-JUN-76	8156	PAGE 2									
RUN NAME	A/P	PIN NAME	ORDER PIN	PAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	RUN NUMBER
BUS SECTOR ADDR	L	AM2H1		1-01 *			D05-3		1			4-7/8		13
BUS SECTOR ADDR	L	AM8L1		1-02 *			D05-3		2			1		13
BUS SECTOR ADDR	L	AM7L1		1-03 *			D05-3							13
BUS SECTOR ADDR	L			1								5-7/8		13
BUS SECTOR ADDR 1	L	AM2J1		1-01 *			D05-4		1			3-5/8		14
BUS SECTOR ADDR 1	L	AM7P2		1-02 *			D05-4		2			1		14
BUS SECTOR ADDR 1	L	AM8P2		1-03 *			D05-4							14
BUS SECTOR ADDR 1	L			1								4-5/8		14
BUS SECTOR ADDR 2	L	AM2L1		1-01 *			D05-4		1			4-1/8		15
BUS SECTOR ADDR 2	L	AM7K2		1-02 *			D05-4		2			1		15
BUS SECTOR ADDR 2	L	AM8K2		1-03 *			D05-4							15
BUS SECTOR ADDR 2	L			1								5-1/8		15
BUS SECTOR ADDR 3	L	AM2P1		1-01 *			D05-4		1			4-1/8		16
BUS SECTOR ADDR 3	L	AM7J1		1-02 *			D05-4		2			1		16
BUS SECTOR ADDR 3	L	AM8J1		1-03 *			D05-4							16
BUS SECTOR ADDR 3	L			1								5-1/8		16
BUS SECTOR PULSE	L	AM2F1		1-01 *			D05-3		1			5-2/8		17
BUS SECTOR PULSE	L	AM8N2		1-02 *			D05-3		2			1		17
BUS SECTOR PULSE	L	AM7N2		1-03 *			D05-3							17
BUS SECTOR PULSE	L			1								6-2/8		17
BUS SEEK INCOMPLETE	L	AM2N1		1-01 *			D05-4		1			3-3/8		18
BUS SEEK INCOMPLETE	L	AM7S2		1-02 *			D05-4		2			1		18
BUS SEEK INCOMPLETE	L	AM8S2		1-03 *			D05-4							18
BUS SEEK INCOMPLETE	L			1								4-3/8		18
BUS WR PROTECT STATUS	H	AM4U1		1-01 *			D05-8		1			2-3/8		19
BUS WR PROTECT STATUS	H	AM7P1		1-02 *			D05-8		2			1		19
BUS WR PROTECT STATUS	H	AM8P1		1-03 *			D05-8							19
BUS WR PROTECT STATUS	H			1								3-3/8		19
BUS WRITE CK	H	AM4P1		1-01 *			D05-8		1			2-3/8		20
BUS WRITE CK	H	AM7K1		1-02 *			D05-8		2			1		20
BUS WRITE CK	H	AM8K1		1-03 *			D05-8							20
BUS WRITE CK	H			1								3-3/8		20
COS POSITION	H	AM5U1		1-01 *			D05-9		1			1-5/8		21
COS POSITION	H	AM6U1		1-02 *			D05-9							21
COS POSITION	H			1								1-5/8		21
COUNT PULSE FWD	H	AM5A1		1-01 *			D05-5		1			5-1/8		22
COUNT PULSE FWD	H	AM3K1		1-02 *			D05-5							22
COUNT PULSE FWD	H			1								5-1/8		22
COUNT PULSE REV	H	AM5C1		1-01 *			D05-5		1			4-3/8		23
COUNT PULSE REV	H	AM3F1		1-02 *			D05-5							23
COUNT PULSE REV	H			1								4-3/8		23
CYC ADDR 1	L	AM7K1		1-01 *			D05-5		2			1		24
CYC ADDR 2	L	AM8K1		1-02 *			D05-5		1			4-4/8		24
CYC ADDR 3	L	AM3L1		1-03 *			D05-5							24
CYC ADDR 4	L			1								5-4/8		24

RR25.C RUN NAME	APP268.V34(62)-1 A/P PIN NAME	31-JUL-75 ORDER PIN ORDER	31-JUL-75 HAY - OPT	2-JUN-76 REMARKS	8:56 DC LENGTH EXCEPTIONS FLAG	PAGE 3 RUN NUMBER
CYC ADDR 1	L A07D1	1-01 *		D05-6	2	25
CYC ADDR 1	L A08D1	1-02 *		D05-6	1	25
CYC ADDR 1	L A03N1	1-03 *		D05-6		25
CYC ADDR 1	L	1				25
CYC ADDR 2	L A08L1	1-01 *		D05-6	2	26
CYC ADDR 2	L A07L1	1-02 *		D05-6	1	26
CYC ADDR 2	L A03P1	1-03 *		D05-6		26
CYC ADDR 2	L	1				26
CYC ADDR 3	L A07C1	1-01 *		D05-6	2	27
CYC ADDR 3	L A08C1	1-02 *		D05-6	1	27
CYC ADDR 3	L A03M1	1-03 *		D05-6		27
CYC ADDR 3	L	1				27
CYC ADDR 4	L A07F1	1-01 *		D05-6	2	28
CYC ADDR 4	L A08F1	1-02 *		D05-6	1	28
CYC ADDR 4	L A03R1	1-03 *		D05-6		28
CYC ADDR 4	L	1				28
CYC ADDR 5	L A07J1	1-01 *		D05-6	2	29
CYC ADDR 5	L A08J1	1-02 *		D05-6	1	29
CYC ADDR 5	L A03U1	1-03 *		D05-6		29
CYC ADDR 5	L	1				29
CYC ADDR 6	L A08F1	1-01 *		D05-6	2	30
CYC ADDR 6	L A07F1	1-02 *		D05-6	1	30
CYC ADDR 6	L A03V1	1-03 *		D05-6		30
CYC ADDR 6	L	1				30
CYC ADDR 7	L A07H1	1-01 *		D05-6	2	31
CYC ADDR 7	L A08H1	1-02 *		D05-6	1	31
CYC ADDR 7	L A03S1	1-03 *		D05-6		31
CYC ADDR 7	L	1				31
DC LOW	H A04D1	1-01 *		D05-8	1	32
DC LOW	H A08F2	1-02 *		D05-8	2	32
DC LOW	H A07F2	1-03 *		D05-8		32
DC LOW	H	1				32
DIFF 1	L A03A1	1-01 *		D05-7	1	33
DIFF 1	L A05N2	1-02 *		D05-7		33
DIFF 1	L	1				33
DIFF 16	L A03E1	1-01 *		D05-7	1	34
DIFF 16	L A05T2	1-02 *		D05-7		34
DIFF 16	L	1				34
DIFF 2	L A03B1	1-01 *		D05-7	1	35
DIFF 2	L A05P2	1-02 *		D05-7		35
DIFF 2	L	1				35
DIFF 4	L A03D1	1-01 *		D05-7	1	36
DIFF 4	L A05P2	1-02 *		D05-7		36
DIFF 4	L	1				36

PK05.C RUN NAME	WRP2HR.V34(62)-1 A/P PIN NAME	31-JUL-75 ORDER PIN ORDER	Q	DAY - OPT	RV RG Y	X	Z	REMARKS	2-JUN-76 8156 NC LENGTH EXCEPTIONS FLAG	PAGE 4 RUN NUMBER
DIFF R	L	A03C1	1-01 *		005-7		1		5-7/8	37
DIFF R	L	R05S2	1-02 *		005-7				5-7/8	37
DIFF R	L		1							37
DISK RELAY DR	H	A04N1	1-01 *		005-8		1		4-1/8	38
DISK RELAY DR	H	R06P1	1-02 *		005-8				4-1/8	38
DISK RELAY DP	H		1							38
DR UNLOCKING SOLENOID	L	A06P1	1-01 *		005-8		1		4-5/8	39
DR UNLOCKING SOLENOID	L	R04V1	1-02 *		005-8				4-5/8	39
DR UNLOCKING SOLENOID	L		1							39
FAULT IND	H	A04N2	1-01 *		005-8		1		1-3/8	40
FAULT IND	H	A06H1	1-02 *		005-8				1-3/8	40
FAULT IND	H		1							40
FWD	H	R03J1	1-01 *		005-5		1		1-6/8	41
FWD	H	R05J2	1-02 *		005-5				1-6/8	41
FWD	H		1							41
GND 01		A01C2	1-01 *				1		2-1/8	42
GND 01		A01T1	1-02 *				2		1-5/8	42
GND 01		R01C2	1-03 *				1		2-1/8	42
GND 01		R01T1	1-04 *						5-7/8	42
GND 01			1							42
GND 02		A02C2	1-01 *				1		2-1/8	43
GND 02		A02T1	1-02 *				2		1-5/8	43
GND 02		R02C2	1-03 *				1		2-1/8	43
GND 02		R02T1	1-04 *						5-7/8	43
GND 02			1							43
GND 03		A03C2	1-01 *				1		2-1/8	44
GND 03		A03T1	1-02 *				2		1-5/8	44
GND 03		R03C2	1-03 *				1		2-1/8	44
GND 03		R03T1	1-04 *						5-7/8	44
GND 03			1							44
GND 04		A04C2	1-01 *				1		2-1/8	45
GND 04		A04T1	1-02 *				2		1-5/8	45
GND 04		R04C2	1-03 *				1		2-1/8	45
GND 04		R04T1	1-04 *						5-7/8	45
GND 04			1							45
GND 05		A05C2	1-01 *				1		2-1/8	46
GND 05		A05T1	1-02 *				2		1-5/8	46
GND 05		R05C2	1-03 *				1		2-1/8	46
GND 05		R05T1	1-04 *						5-7/8	46
GND 05			1							46

PKMS,C RUN NAME	WFF288,V34(62)-1 31-JUL-75										2-JUN-76	8156	PAGE 9			RUN
	A/P	PIN NAME	ORDER PIN	RAY - ORDER	Q	OPAR	RV	PG	Y	X	Z	REMARKS	NO FLAG	LENGTH	EXCEPTIONS	NUMBER
SELECT 3	L	APR12		1-A1 *			D05-3				2		1			91
SELECT 3	L	AP7L2		1-A2 *			D05-3				1		5-7/8			91
SELECT 3	L	AP2T2		1-A3 *			D05-3									91
SELECT 3	L			1									6-7/8			91
SELECT 4	L	APRM2		1-A1 *			D05-3				2		1			92
SELECT 4	L	AP7M2		1-A2 *			D05-3				1		5			92
SELECT 4	L	AP2H2		1-A3 *			D05-3									92
SELECT 4	L			1									6-8/8			92
SELECT/READY	L	AP1H2		1-A1 *			D05-1				1		2-3/8			93
SELECT/READY	L	AP4V1		1-A2 *							2		2-2/8			93
SELECT/READY	L	AP2H1		1-A3 *			D05-1									93
SELECT/READY	L			1									3-5/8			93
SELECTED READ GATE	H	AP1R1		1-A1 *			D05-9				1		1-3/8			94
SELECTED READ GATE	H	AP2F2		1-A2 *			D05-9									94
SELECTED READ GATE	H			1									1-3/8			94
SELECTED WRITE GATE	H	AP1V1		1-A1 *			D05-1				1		1-2/8			95
SELECTED WRITE GATE	H	AP2V2		1-A2 *			D05-1									95
SELECTED WRITE GATE	H			1									1-2/8			95
SET UNSAFE	L	AP1U2		1-A1 *			D05-1				1		2-2/8			96
SET UNSAFE	L	AP4A1		1-A2 *			D05-1									96
SET UNSAFE	L			1									2-2/8			96
SIN POSITION	H	AP5M1		1-A1 *			D05-9				1		2-5/8			97
SIN POSITION	H	AP6D1		1-A2 *			D05-9									97
SIN POSITION	H			1									2-5/8			97
STORE	L	AP2V1		1-A1 *			D05-2				1		4-1/8			98
STORE	L	AP7H1		1-A2 *			D05-2				2		1			98
STORE	L	AP8H1		1-A3 *			D05-2									98
STORE	L			1									5-1/8			98
UNSAFE	L	AP1L2		1-A1 *			D05-1				1		2-5/8			99
UNSAFE	L	AP4V2		1-A2 *			D05-1									99
UNSAFE	L			1									2-5/8			99
WRITE DATA + CLK	H	AP1J1		1-A1 *			D05-1				1		3-7/8			100
WRITE DATA + CLK	H	AP7F2		1-A2 *			D05-1				2		1			100
WRITE DATA + CLK	H	AP8F2		1-A3 *			D05-1									100
WRITE DATA + CLK	H			1									4-7/8			100
WRITE GATE	L	AP1J2		1-A1 *			D05-1				1		4-6/8			101
WRITE GATE	L	AP7L2		1-A2 *			D05-1				2		1			101
WRITE GATE	L	AP8L2		1-A3 *			D05-1									101
WRITE GATE	L			1									5-6/8			101
WRITE PROTECT SET	L	AP2S1		1-A1 *			D05-3				1		3-3/8			102
WRITE PROTECT SET	L	AP7R2		1-A2 *			D05-3				2		1			102
WRITE PROTECT SET	L	AP8R2		1-A3 *			D05-3									102
WRITE PROTECT SET	L			1									4-3/8			102

PKMS,C RUN NAME	WFF288,V34(62)-1 31-JUL-75										2-JUN-76	8156	PAGE 10			RUN
	A/P	PIN NAME	ORDER PIN	RAY - ORDER	Q	OPAR	RV	PG	Y	X	Z	REMARKS	NO FLAG	LENGTH	EXCEPTIONS	NUMBER
WRITE SA OFF	L	AP6M1		1-A1 *			D05-7				1		3-3/8			103
WRITE SA OFF	L	AP4F1		1-A2 *			D05-7									103
WRITE SA OFF	L			1									3-3/8			103
WRITE SA ON	L	AP6M1		1-A1 *			D05-7				1		3-3/8			104
WRITE SA ON	L	AP4F1		1-A2 *			D05-7									104
WRITE SA ON	L			1									3-3/8			104
WRITING IND	H	AP2H1		1-A1 *			D05-5				1		3-2/8			105
WRITING IND	H	AP6F1		1-A2 *			D05-5									105
WRITING IND	H			1									3-2/8			105