

digital

RK05J

Engineering Drawings

Digital Equipment Corporation

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CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

DRAWING DIRECTORY

MODULE UTILIZATION LIST
READ/WRITE
INDEX & SECTOR
CYLINDER ADDRESS & DIFFERENCE
CONTROL & INTERLOCK
POSITION SERVO PREAMP
SERVO POWER AMP CIRCUIT
SERVO POWER AMP
CONTROL PANEL CIRCUIT
CONTROL PANEL
RELAY BOARD CIRCUIT
DECPACK MOTOR RELAYS
CHASSIS WIRING
ACCESSORY LIST
POWER SUPPLY (H743)
WIRE LIST

SEQUENCE

B-DD-RK05J-0
SHEET #1 ONLY
C-MU-RK05-0-2
D-CS-G180-0-1
D-CS-M7680-0-1
D-CS-M7681-0-1
D-CS-M7701-0-1
D-CS-G938-0-1
D-CS-H604-0-1
E-UA-H604-0-0
D-CS-5409698-0-1
E-IA-5409698-0-0
D-CS-5409574-0-1
E-IA-5409574-0-0
D-BD-RK05-0-1
A-AL-RK05-0-17
B-DD-H743-0
K-WL-RK05-0-3

SEQUENCE

MFG. PRINT SET
MODULE UTILIZATION (PL)
RK05J TESTER
DECPACK ASSY
DECPACK ASSY (PL)
WIRED ASSY
LINEAR POSITIONER ASSY
LINEAR POSITIONER ASSY (PL)
H743 POWER SUPPLY
REVISION STATUS
SPACER

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
B-MD-7419064-0-0

UNIT VARIATIONS		PRINT SET	
VAR	TITLE	RK05J-0	
RK05J-AA	DECPACK 115V 60HZ	X	
RK05J-AB	DECPACK 230V 60HZ	X	
RK05J-BA	DECPACK 115V 50HZ	X	
RK05J-BB	DECPACK 230V 50HZ	X	
RK05J-CA	RK05J-AA W.BEZEL FOR H9500	X	
	CAB 115V 60HZ	X	
RK05J-CB	RK05J-AB W.BEZEL FOR H9500		
	CAB 230V 60HZ	X	
RK05J-CC	RK05J-BA W.BEZEL FOR H9500		
	CAB 115V 50HZ	X	
RK05J-CD	RK05J-BB W.BEZEL FOR H9500		
	CAB 230V 50HZ	X	
RK05J-DE	RK05J-AA H960 861 PWR CONTROL		
RK05J-DF	RK05J-AB H960 861		
RK05J-DH	RK05J-BA H960 861		
RK05J-DJ	RK05J-BB H960 861		

DATE	CHG. NO.	REV
A.V.	RK05-69	AL
DWG WAS	RK05-0	
A.V.	RK05J-3	1AM
A.V.	RK05J-4	1AN
A.V.	RK05J-5	1AP
A.V.	RK05J-6	1AR
A.V.	RK05J-7	1AS
A.V.	RK05J-8	1AT
7-77	RK05J-9	1AU
8-77	RK05J-10	1AV
12-77	RK05J-11	1AW
3-78	RK05J-12	1AY
1-79	RK05J-13	1AZ

USED ON OPTION/MODEL		DRN.	DATE	TITLE			
RK05J		J. FLEMING	1/72	DECPACK ASSY			
		CHK'D.	DATE				
		J. FLEMING	5/72				
		PROJ ENG.	DATE				
		A. KARLSBERG	5/72				
		PROD.	DATE	SIZE	CODE	NUMBER	REV
		A. KARLSBERG	5/72	B	DD	RK05J 0	AZ
		FIELD SERV.	DATE	DIST			
		J. WALSH	5/72				
SHEET		OF					
1		5					

SECRET-2650-91-VI-28010-03

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NOTE:
TERMINATOR OR DISK BUS CABLE CONNECTOR MAY BE INTERCHANGED BETWEEN SLOTS 7 AND 8.

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

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

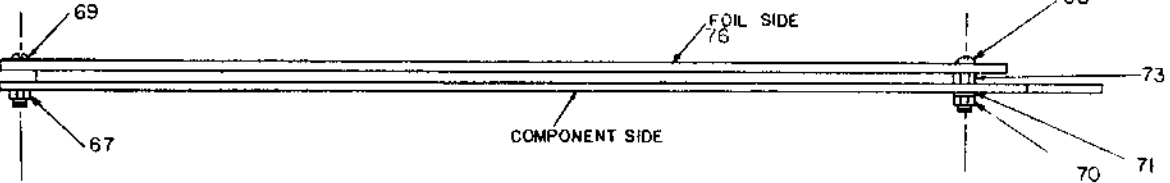
REV.	CHG	CHANGE NO.	REV.
A		RK05-00002	
B		RK05-00006/6A	
C		RK05-00023	
D		RK05-00040	
E		RK05-00007	
		RK05-00008	
		RK05-00009	
		RK05-00010	
		RK05-00011	
		RK05-00012	
		RK05-00013	
		RK05-00014	
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		RK05-00016	
		RK05-00017	
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		RK05-00093	
		RK05-00094	
		RK05-00095	
		RK05-00096	
		RK05-00097	
		RK05-00098	
		RK05-00099	
		RK05-00100	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN <i>Dickert</i>	DATE 11-2-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
DECIMALS - ANGLES		CHK'D <i>J.P. Perry</i>	DATE 11-9-71	
XXX - .005 XX - .02 X - .1		ENG. <i>J.P. Perry</i>	DATE 2-11-71	TITLE MODULE UTILIZATION
REMOVE BURRS AND BREAK SHARP EDGES SURFACE QUALITY		PROJ. ENG. <i>J.P. Perry</i>	DATE 11-29-71	
MATERIAL		PROD. <i>J.P. Perry</i>	DATE 11-11-71	SIZE CODE NUMBER REV.
FINISH		NEXT HIGHER ASSY.		
		B-DD-RK05-0	C MU	RK05-0-2
		SCALE NONE		E
		SHEET OF		

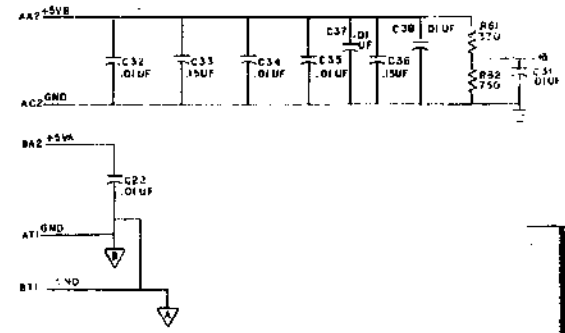
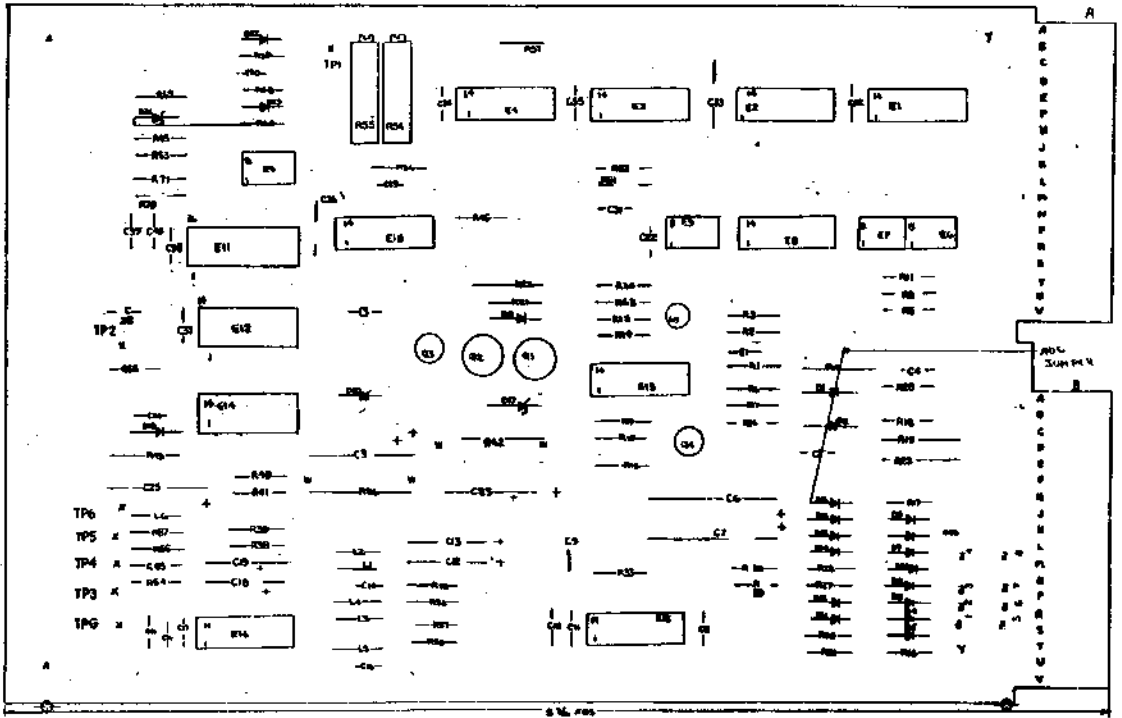
C MU RK05-0-2

1. READING AND SPECIFICATIONS, REFER TO THE CITY OF MILWAUKEE EQUIPMENT CORPORATION FOR SMALL OR INFORMATION OR REFER TO THE CITY OF MILWAUKEE FOR THE MANUFACTURE OR SALE OF A PRODUCT UNDER THE TRADE NAME OF "MILWAUKEE EQUIPMENT CORPORATION". TRADE # 61374

NOTES:



NOTE: DO NOT INSERT HANDLE HOLE EYELETS IN OUTSIDE HANDLE HOLES: 12 PLCS!



QTY	REV.	DESCRIPTION	DESCRIPTION	PART NO.	ITEM NO.
1	D28	DIODE IN753A (3.0V ZENER)	DIODE IN 753A (3.0V ZENER)	100122	18
1	R69	RES 180 1/4W 5%	RES 180 1/4W 5%	130122	17
2	R7,R10	RES 100 1/4W 5%	RES 100 1/4W 5%	130029	16
1		NOISE SHIELD	NOISE SHIELD	300993	15
1		HANDLE FLIP CHIP-GREEN	HANDLE FLIP CHIP-GREEN	300837-01	14
1		TPG,TP4 THRU TP6	TPG,TP4 THRU TP6	300773	13
1		HEX NUT NYLON *2-56	HEX NUT NYLON *2-56	300726	12
1		EYELET *684-7	EYELET *684-7	3006732	11
1		INTERNAL LOCK WASHER *2-56	INTERNAL LOCK WASHER *2-56	3006631	10
2		HEX NUT *2-56	HEX NUT *2-56	3006555	9
2		SCREW 4*20X3/8	SCREW 4*20X3/8	300601-4	8
2		SCREW PAN HD *2-56X1/8	SCREW PAN HD *2-56X1/8	3006002-1	7
2		KEP NUT 4740	KEP NUT 4740	3008557	6

QTY	REV.	DESCRIPTION	DESCRIPTION	PART NO.	ITEM NO.
1	E6-E7E9	I.C. DEC 75452	I.C. DEC 75452	130645	5
2	E15,16	I.C. DEC 733	I.C. DEC 733	130644	4
1	E14	I.C. DEC 1414	I.C. DEC 1414	130643	3
1	E13	I.C. DEC 741	I.C. DEC 741	130642	2
1	E1	I.C. DEC 8881	I.C. DEC 8881	130641	1
2	E2,E8	I.C. DEC 8840	I.C. DEC 8840	130640	6
1	E10	I.C. DEC 9801	I.C. DEC 9801	130639	5
1	E11	I.C. DEC 7478	I.C. DEC 7478	130638	4
2	E4,E12	I.C. DEC 7400	I.C. DEC 7400	130637	3
1	E3	I.C. DEC 7474	I.C. DEC 7474	130636	2
1	L6	INDUCTOR 100UH	INDUCTOR 100UH	130635	1
2	L1,L2	INDUCTOR 56UH	INDUCTOR 56UH	130634	2
3	L3,L4,L5	INDUCTOR 100UH	INDUCTOR 100UH	130633	3
1	Q3	TRANSISTOR DEC 6834C	TRANSISTOR DEC 6834C	1303408-02	54
1	Q4	TRANSISTOR DEC 3009B	TRANSISTOR DEC 3009B	1303400	53
2	Q1,Q2	TRANSISTOR 2N2904	TRANSISTOR 2N2904	1301742	51
1	R13	RES 1K 1/4W 20% 62PP	RES 1K 1/4W 20% 62PP	130930-03	50
2	R14,R5	RES 10K 1/4W 10% 76PP	RES 10K 1/4W 10% 76PP	1309143-10	49
2	R16,R7	RES 3.3K 1/4W 5%	RES 3.3K 1/4W 5%	1309346	48
2	R17,R8	RES 2.2K 1/4W 5%	RES 2.2K 1/4W 5%	1309178	47
1	R60	RES 220K 1/4W 5%	RES 220K 1/4W 5%	1307082	45
1	R4	RES 270 1/2W 5%	RES 270 1/2W 5%	1309265	44
2	R40,R41	RES 200 1/4W 5%	RES 200 1/4W 5%	131490	43
4	R6,9,42,53,70,71	RES 5.6K 1/4W 5%	RES 5.6K 1/4W 5%	1309874	42
1	R1	RES 1.1K 1/4W 5%	RES 1.1K 1/4W 5%	1301475	41
1	R59	RES 3.3K 1/4W 5%	RES 3.3K 1/4W 5%	1300438	40
1	R82	RES 150 1/4W 5%	RES 150 1/4W 5%	1301401	39
2	R18,R21	RES 1.8K 1/4W 5%	RES 1.8K 1/4W 5%	1301380	38
2	R30,R31	RES 1.8K 1/4W 5%	RES 1.8K 1/4W 5%	1300498	37
6	R5,18,58,59,57	RES 10K 1/4W 5%	RES 10K 1/4W 5%	1300478	36
1	R52	RES 4.7K 1/4W 5%	RES 4.7K 1/4W 5%	1300447	35
1	R54	I.C. DEC 7413	I.C. DEC 7413	760438	34
10	R1,R2,R3,R40,R34-37	RES 1K 1/4W 5%	RES 1K 1/4W 5%	1300393	33
2	R45,R55,R63-69	RES 470 1/4W 5%	RES 470 1/4W 5%	1300316	31
1	R43	RES 470 1/2W 5%	RES 470 1/2W 5%	1300516	30
3	R22,R25,R61	RES 330 1/4W 5%	RES 330 1/4W 5%	1300192	29
1	R29,R82	RES 220 1/4W 5%	RES 220 1/4W 5%	1300271	28
2	R26,R42	RES 180 1/4W 5%	RES 180 1/4W 5%	1300862	27
1	R19	RES 180 1/2W 5%	RES 180 1/2W 5%	1300280	26
1	R14	RES 150 1/4W 5%	RES 150 1/4W 5%	1300280	25
1	R23	RES 150 1/2W 5%	RES 150 1/2W 5%	1300849	24
1	R32	RES 150 1/4W 5%	RES 150 1/4W 5%	1300729	23
1	I-8	GOLD WIREMAP PINS	GOLD WIREMAP PINS	9009217	22
10	D1,D3-8,D11-16,D22-25	DIODE D672	DIODE D672	1002875	21
1	D2	DIODE IN 751A (3.0V ZENER)	DIODE IN 751A (3.0V ZENER)	1102824	20
3	D10,D17,D18	DIODE IN 753A (3.0V ZENER)	DIODE IN 753A (3.0V ZENER)	1102421	19
13	C1,C23,C36	CAP 150UF 50V 10% TAN CARBO	CAP 150UF 50V 10% TAN CARBO	1006031	17
1	C35	CAP 100UF 50V 10% TAN	CAP 100UF 50V 10% TAN	1006031	16
4	C18,C19,C10	CAP 0.1UF 50V 5% NIAL	CAP 0.1UF 50V 5% NIAL	1004610-00	15
14	C40,D11,D12,24,25,31,32,34,38,37,35	CAP 0.1UF 100V 20% DISC	CAP 0.1UF 100V 20% DISC	1004610-01	14
2	C8,C7	CAP 10UF 35V 20% S TANT	CAP 10UF 35V 20% S TANT	1000068	13
3	C3,C23,C25	CAP 68UF 35V 20% S TANT	CAP 68UF 35V 20% S TANT	1000647	12
1	C2	CAP 680PF 100V 5% D.M.	CAP 680PF 100V 5% D.M.	1000501	11
2	C5,C10	CAP 470PF 100V 5% D.M.	CAP 470PF 100V 5% D.M.	1000074	10
1	C9	CAP 150PF 100V 5% D.M.	CAP 150PF 100V 5% D.M.	1000018	9
1	C41	CAP 17PF 100V 5% D.M.	CAP 17PF 100V 5% D.M.	1001738	8
1	C14	CAP 56PF 100V 5% D.M.	CAP 56PF 100V 5% D.M.	1000018	7
2	C1,C36,C40	CAP 47PF 100V 5% D.M.	CAP 47PF 100V 5% D.M.	1000001	6
2	C4,C5	CAP 18PF 100V 5% D.M.	CAP 18PF 100V 5% D.M.	1002608	5
1		ETONG CIRCUIT BOARD	ETONG CIRCUIT BOARD	900974	4
1		MODULE PCB MOUNT	MODULE PCB MOUNT	9-AN-G180-0-4	3
1		ASSY DRILLING HOLE LAYOUT	ASSY DRILLING HOLE LAYOUT	9-AN-G180-0-3	2
1		X-Y COORDINATE HOLE LOCATION	X-Y COORDINATE HOLE LOCATION	9-AN-G180-0-4	1

SEMICONDUCTOR CONVERSION CHART		PARTS LIST	
DEC NO.	ISA NO.	DEC NO.	ISA NO.
2N2904	2N2118A	IN746A	SAME
DEC 3009B	2N3009	IN753A	SAME
DEC 6534C	MP96534	IN751A	SAME
		D672	IN3653

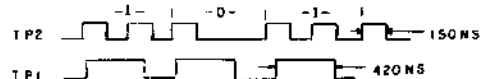
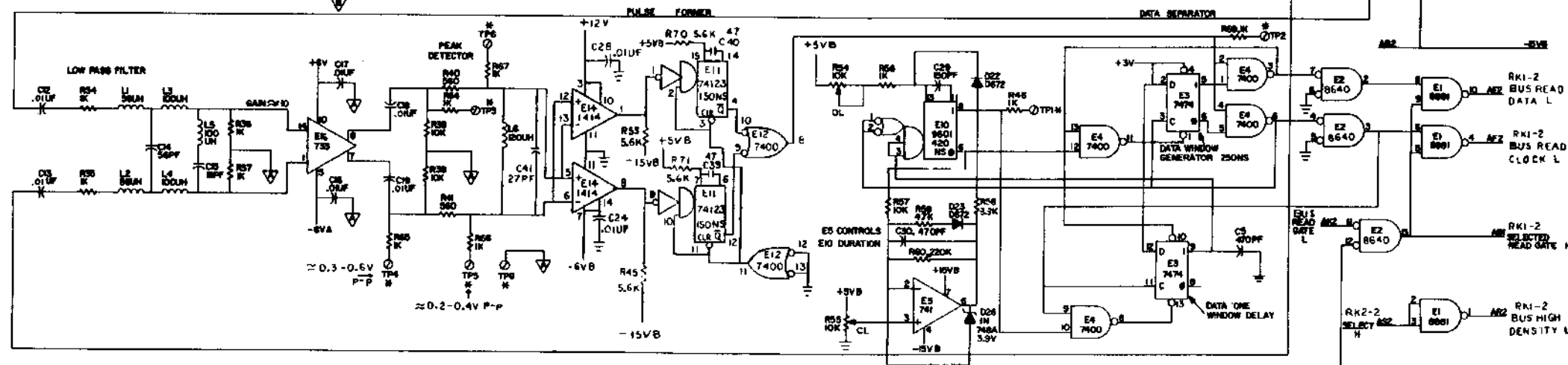
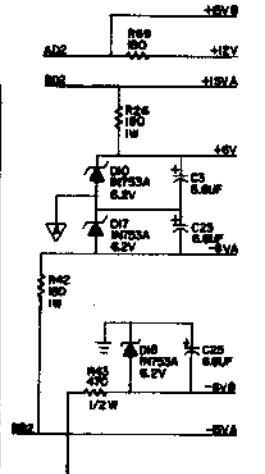
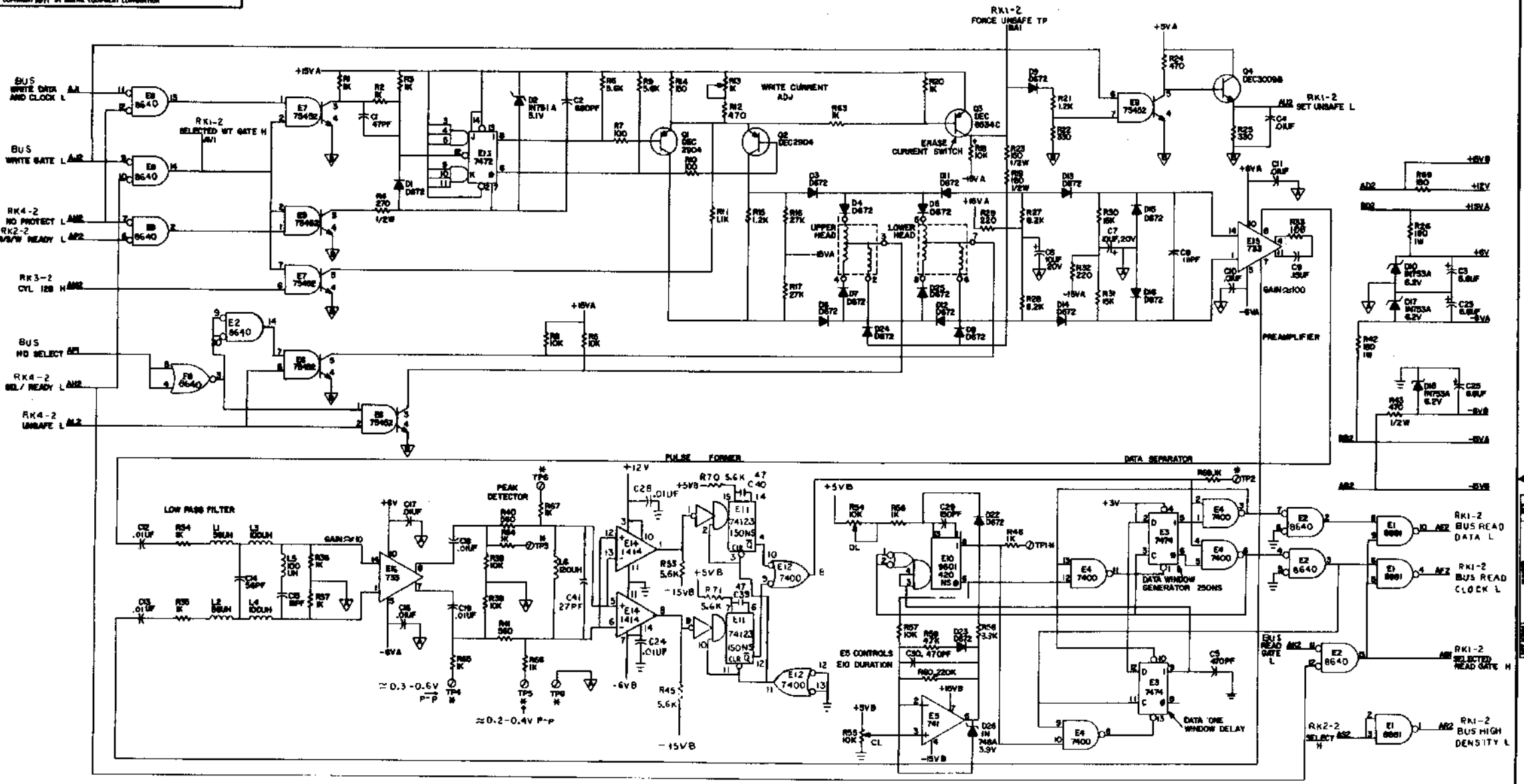
DEC NO.	ISA NO.	DEC NO.	ISA NO.
DEC 864L			
DEC 75-52			

100000

DEC PACK READ/ WRITE

9-AN-G180-0-1

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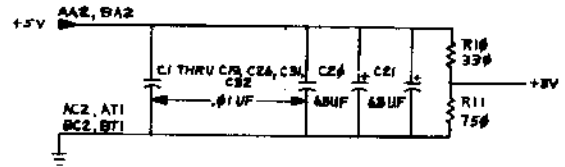
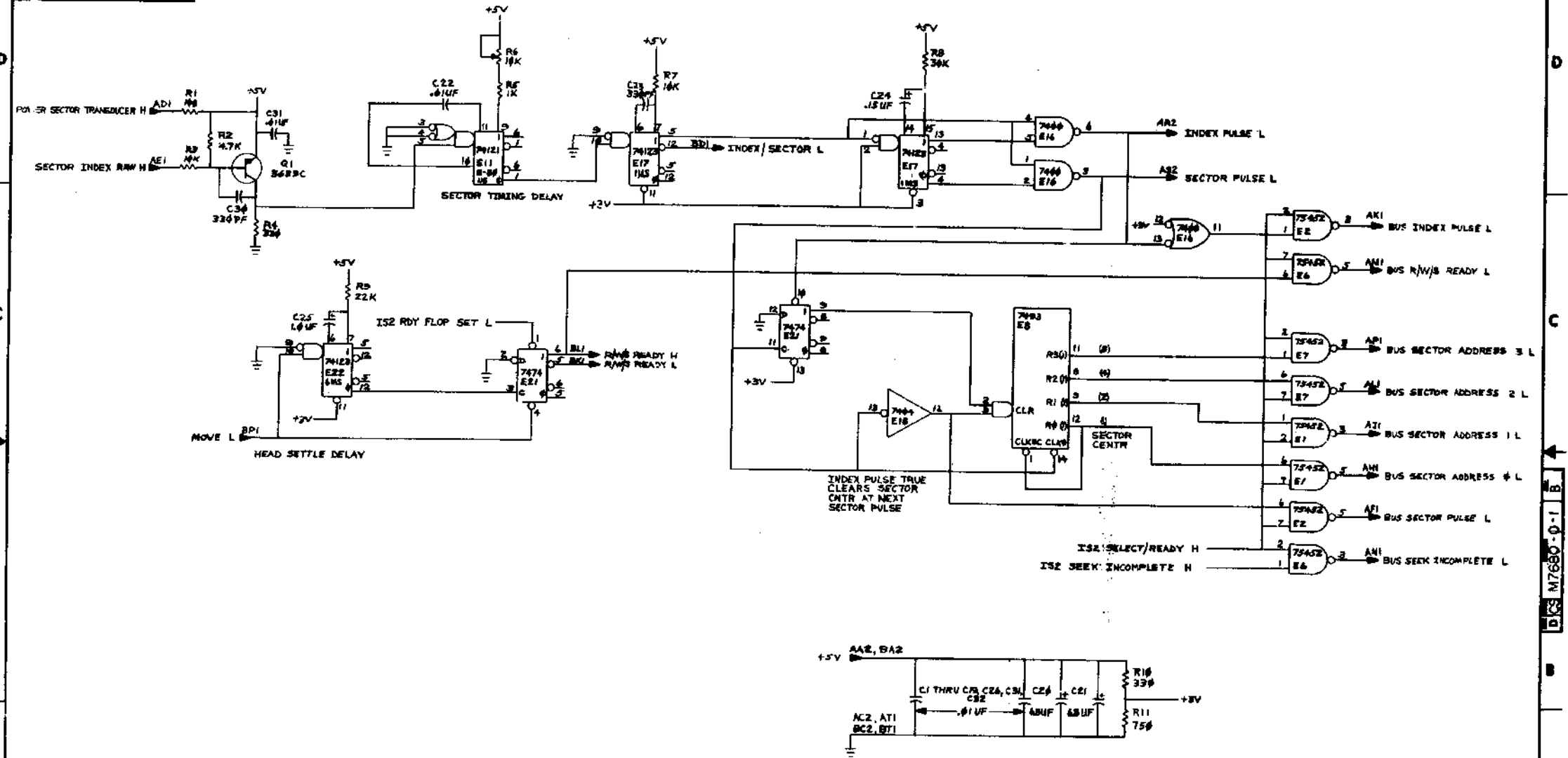


UNLESS OTHERWISE INDICATED:
 * INDICATES SHUNT LOAD
 ▽ - ANALOG GND "A" BT1
 ▽ - ANALOG GND "B" BT1
 ⊥ - DIGITAL GND AC2
 —•— COMPONENTS NOT MOUNTED ON BOARD
 ALL TIMES INDICATED ARE NOMINAL

TRANSISTOR & DIODE CONNECTION CHART		EQUIPMENT CORPORATION	
QCC	QDA	QDC	QDM
Q1	Q2	Q3	Q4
Q5	Q6	Q7	Q8
Q9	Q10	Q11	Q12
Q13	Q14	Q15	Q16
Q17	Q18	Q19	Q20
Q21	Q22	Q23	Q24
Q25	Q26	Q27	Q28
Q29	Q30	Q31	Q32
Q33	Q34	Q35	Q36
Q37	Q38	Q39	Q40
Q41	Q42	Q43	Q44
Q45	Q46	Q47	Q48
Q49	Q50	Q51	Q52
Q53	Q54	Q55	Q56
Q57	Q58	Q59	Q60
Q61	Q62	Q63	Q64
Q65	Q66	Q67	Q68
Q69	Q70	Q71	Q72
Q73	Q74	Q75	Q76
Q77	Q78	Q79	Q80
Q81	Q82	Q83	Q84
Q85	Q86	Q87	Q88
Q89	Q90	Q91	Q92
Q93	Q94	Q95	Q96
Q97	Q98	Q99	Q100

DEC PACK READ/WRITE
 EQUIPMENT CORPORATION
 MODEL 885-0-1
 SHEET 2 OF 2

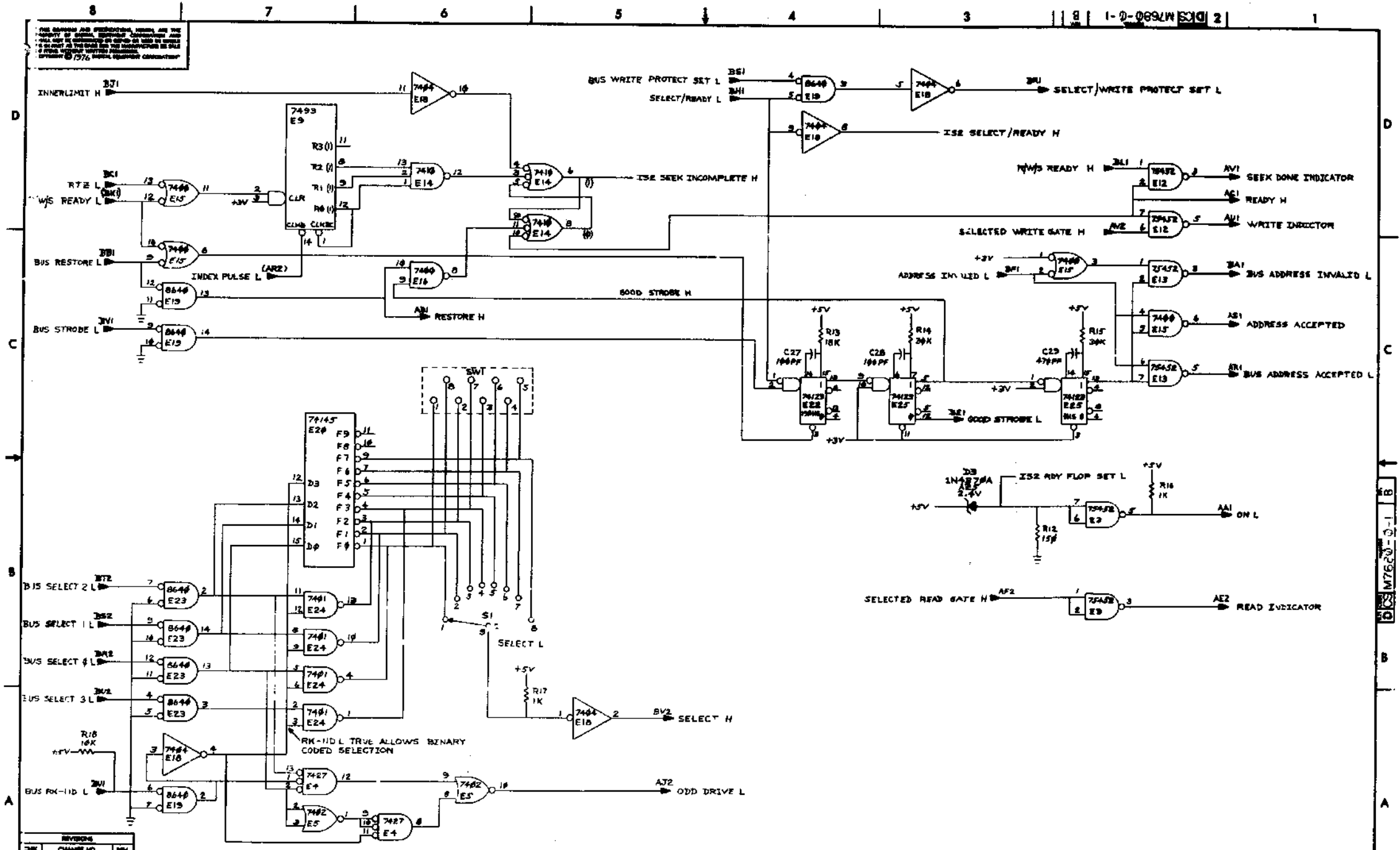
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REV	DATE	BY	CHKD
1	10-27-77
2	11-17-77

DATE	10-27-77	PRINTED ON	20-00-00
CHKD	...	TITLE	DEC PACK INDEX AND SECTOR (IS1)
ENGR	...	SCALE	1 OF 2
PROJ. ENG.	...	NO. OF SHEETS	1
PROJ. MGR.	...	REV.	B
DESIGNER	...	DATE	10-27-77

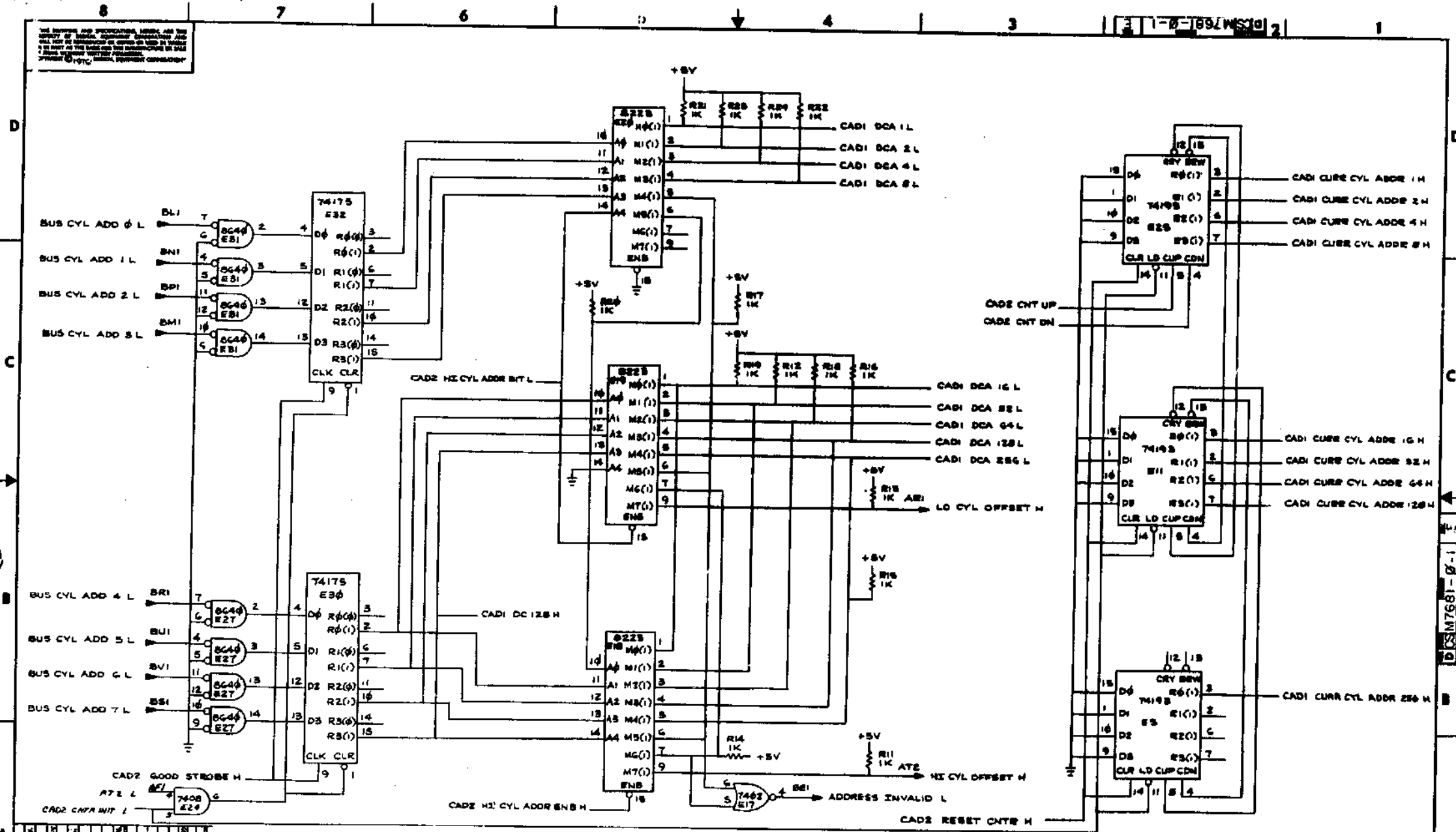
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REVISIONS		
CHK	CHANGE NO.	REV.

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3 1-0-189/MS10 2



REV	DATE	BY	CHKD
1	11/17/78	J. RINALDIS	J. RINALDIS
2	12/15/78	J. RINALDIS	J. RINALDIS
3	1/17/79	J. RINALDIS	J. RINALDIS
4	2/2/79	J. RINALDIS	J. RINALDIS
5	2/2/79	J. RINALDIS	J. RINALDIS
6	2/2/79	J. RINALDIS	J. RINALDIS
7	2/2/79	J. RINALDIS	J. RINALDIS
8	2/2/79	J. RINALDIS	J. RINALDIS

ETCH REV D

DATE	REV	BY	CHKD
11/17/78	1	J. RINALDIS	J. RINALDIS
12/15/78	2	J. RINALDIS	J. RINALDIS
1/17/79	3	J. RINALDIS	J. RINALDIS
2/2/79	4	J. RINALDIS	J. RINALDIS
2/2/79	5	J. RINALDIS	J. RINALDIS
2/2/79	6	J. RINALDIS	J. RINALDIS
2/2/79	7	J. RINALDIS	J. RINALDIS
2/2/79	8	J. RINALDIS	J. RINALDIS

40000

RK05F

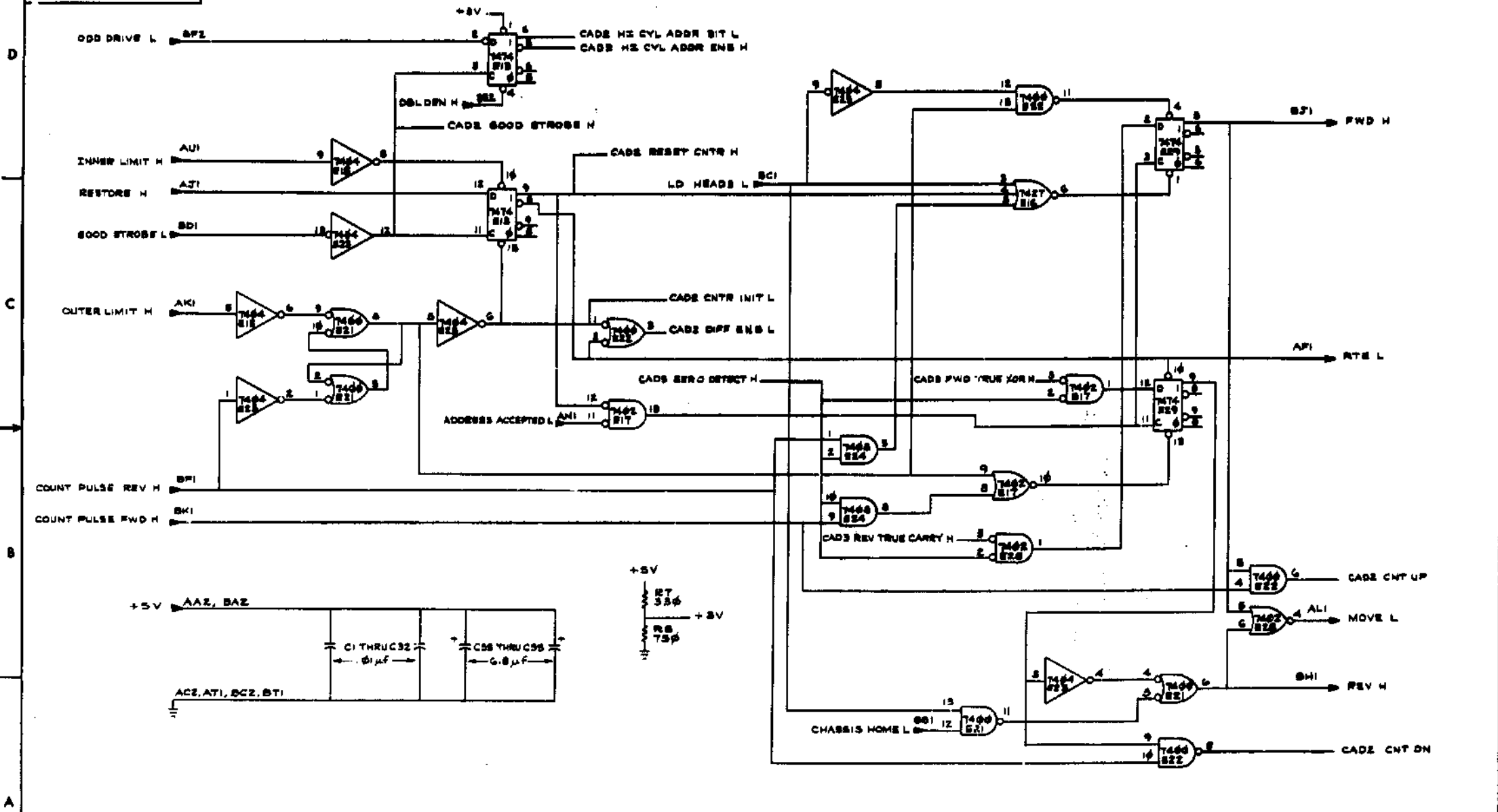
CYLINDER ADDRESS AND DIFFERENCE (CADI)

D-WA-M7681-0-1

D CS M7681-0-1

SHEET 1 OF 3

USE SHOWN AS INDICATED LEVEL OF THE
 7400 SERIES LOGIC DEVICES. THE
 7400 SERIES LOGIC DEVICES ARE
 AVAILABLE IN PLASTIC DIP AND
 DIP-16 PACKAGES. THE 7400
 SERIES LOGIC DEVICES ARE
 AVAILABLE IN PLASTIC DIP AND
 DIP-16 PACKAGES.



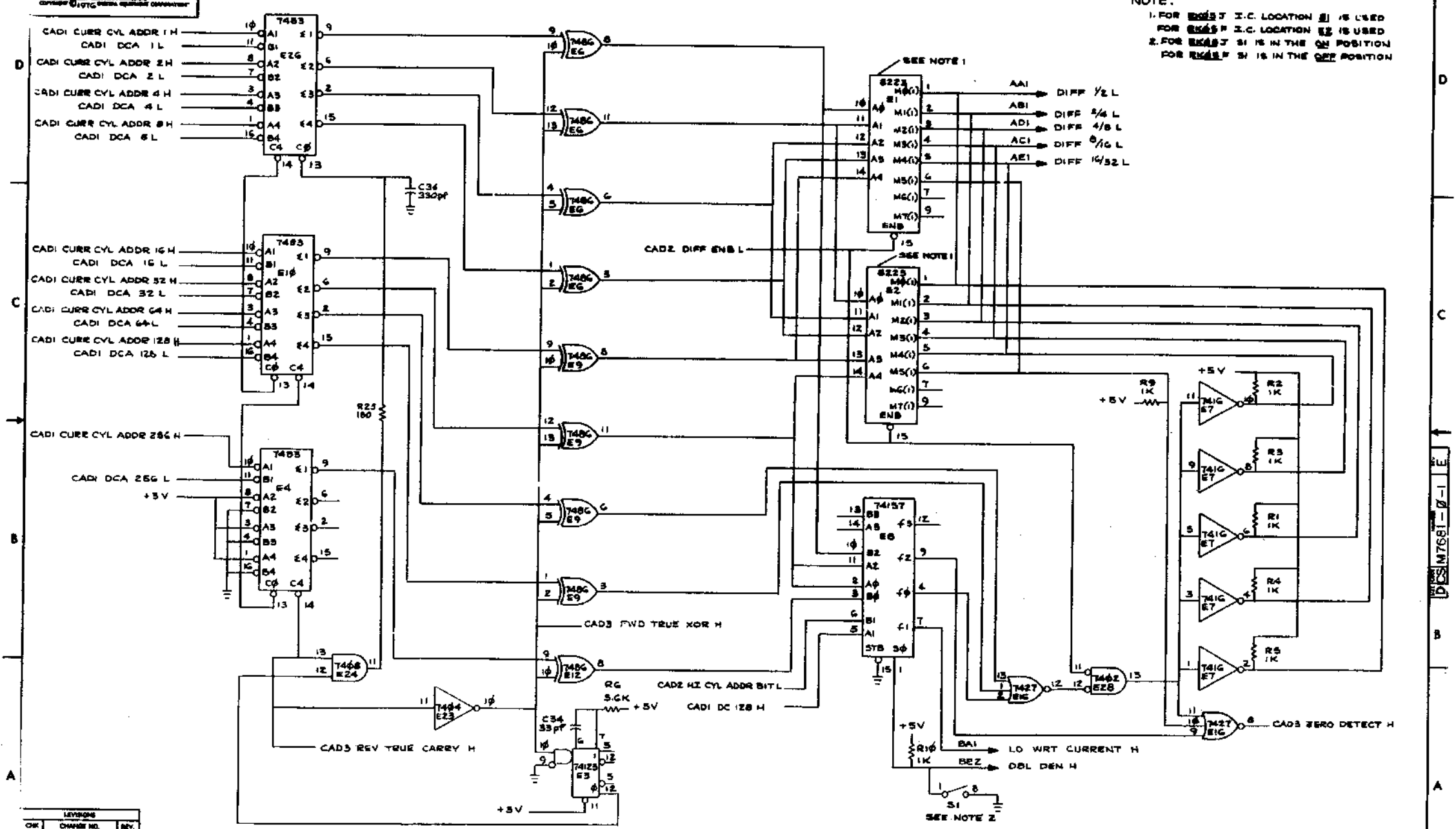
REVISIONS		
NO.	CHANGE NO.	REV.

DCS M7681-0-1 E

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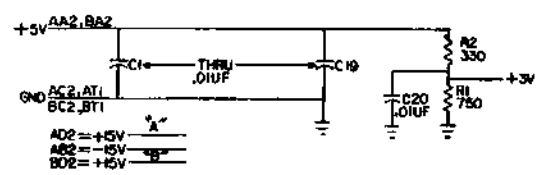
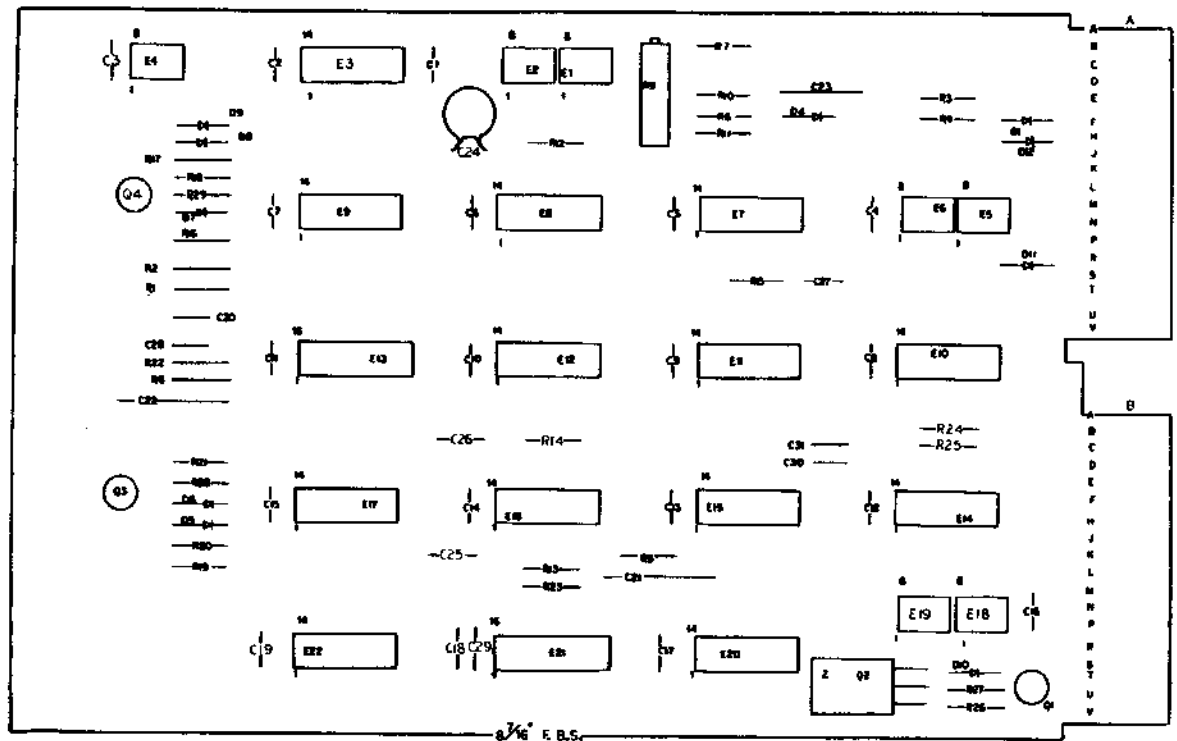
17-0-1892 [2] 2

NOTE:
 1. FOR **EX23** I.C. LOCATION **EE** IS USED
 FOR **EX23** I.C. LOCATION **EE** IS USED
 2. FOR **EX27** SI IS IN THE **ON** POSITION
 FOR **EX27** SI IS IN THE **OFF** POSITION



REVISIONS		
CHK	CHANGE NO.	REV.

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3.1	6-21-72
3.2	S. RADEFF
3.3	17
3.4	17701-0001
3.5	4-3-73
3.6	D. JENSEN
3.7	11-1-73
3.8	17701-0009
3.9	11-2-73
3.10	D. JENSEN
3.11	5-2-73
3.12	17701-0008
3.13	11-8-72
3.14	D. JENSEN
3.15	11-21-72
3.16	17701-0007
3.17	L
3.18	10-8-72
3.19	D. JENSEN
3.20	17701-0005
3.21	11-8-72
3.22	D. JENSEN
3.23	17701-0006
3.24	11-8-72
3.25	D. JENSEN
3.26	11-21-72
3.27	D. JENSEN
3.28	17701-0003
3.29	11-21-72
3.30	D. JENSEN
3.31	17701-0004
3.32	11-21-72
3.33	D. JENSEN
3.34	17701-0002
3.35	11-21-72
3.36	D. JENSEN
3.37	17701-0001
3.38	11-21-72
3.39	D. JENSEN
3.40	17701-0001
3.41	11-21-72
3.42	D. JENSEN
3.43	17701-0001
3.44	11-21-72
3.45	D. JENSEN
3.46	17701-0001
3.47	11-21-72
3.48	D. JENSEN
3.49	17701-0001
3.50	11-21-72
3.51	D. JENSEN
3.52	17701-0001
3.53	11-21-72
3.54	D. JENSEN
3.55	17701-0001
3.56	11-21-72
3.57	D. JENSEN
3.58	17701-0001
3.59	11-21-72
3.60	D. JENSEN
3.61	17701-0001
3.62	11-21-72
3.63	D. JENSEN
3.64	17701-0001
3.65	11-21-72
3.66	D. JENSEN
3.67	17701-0001
3.68	11-21-72
3.69	D. JENSEN
3.70	17701-0001
3.71	11-21-72
3.72	D. JENSEN
3.73	17701-0001
3.74	11-21-72
3.75	D. JENSEN
3.76	17701-0001
3.77	11-21-72
3.78	D. JENSEN
3.79	17701-0001
3.80	11-21-72
3.81	D. JENSEN
3.82	17701-0001
3.83	11-21-72
3.84	D. JENSEN
3.85	17701-0001
3.86	11-21-72
3.87	D. JENSEN
3.88	17701-0001
3.89	11-21-72
3.90	D. JENSEN
3.91	17701-0001
3.92	11-21-72
3.93	D. JENSEN
3.94	17701-0001
3.95	11-21-72
3.96	D. JENSEN
3.97	17701-0001
3.98	11-21-72
3.99	D. JENSEN
3.100	17701-0001
3.101	11-21-72
3.102	D. JENSEN
3.103	17701-0001
3.104	11-21-72
3.105	D. JENSEN
3.106	17701-0001
3.107	11-21-72
3.108	D. JENSEN
3.109	17701-0001
3.110	11-21-72

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV K				
1	W748 3.9V	SAME	DEC6534D	MP85534
1	W746A 3.3V	SAME	DEC44C3	
1	IN4001	SAME	IN759 S	SAME
1	D670	IN3653		
1	D664	IN3606		
1	DEC6531	MPS6534		
1	DEC2219	2N2219		
1	DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART				
REVISONS			TITLE DISK ENG. CONTROL + INTERLOCK	
DWT. 1 OF 3			NUMBER M7701-0-1	
SHEET			REV. P	

M7701-0-1 P

A

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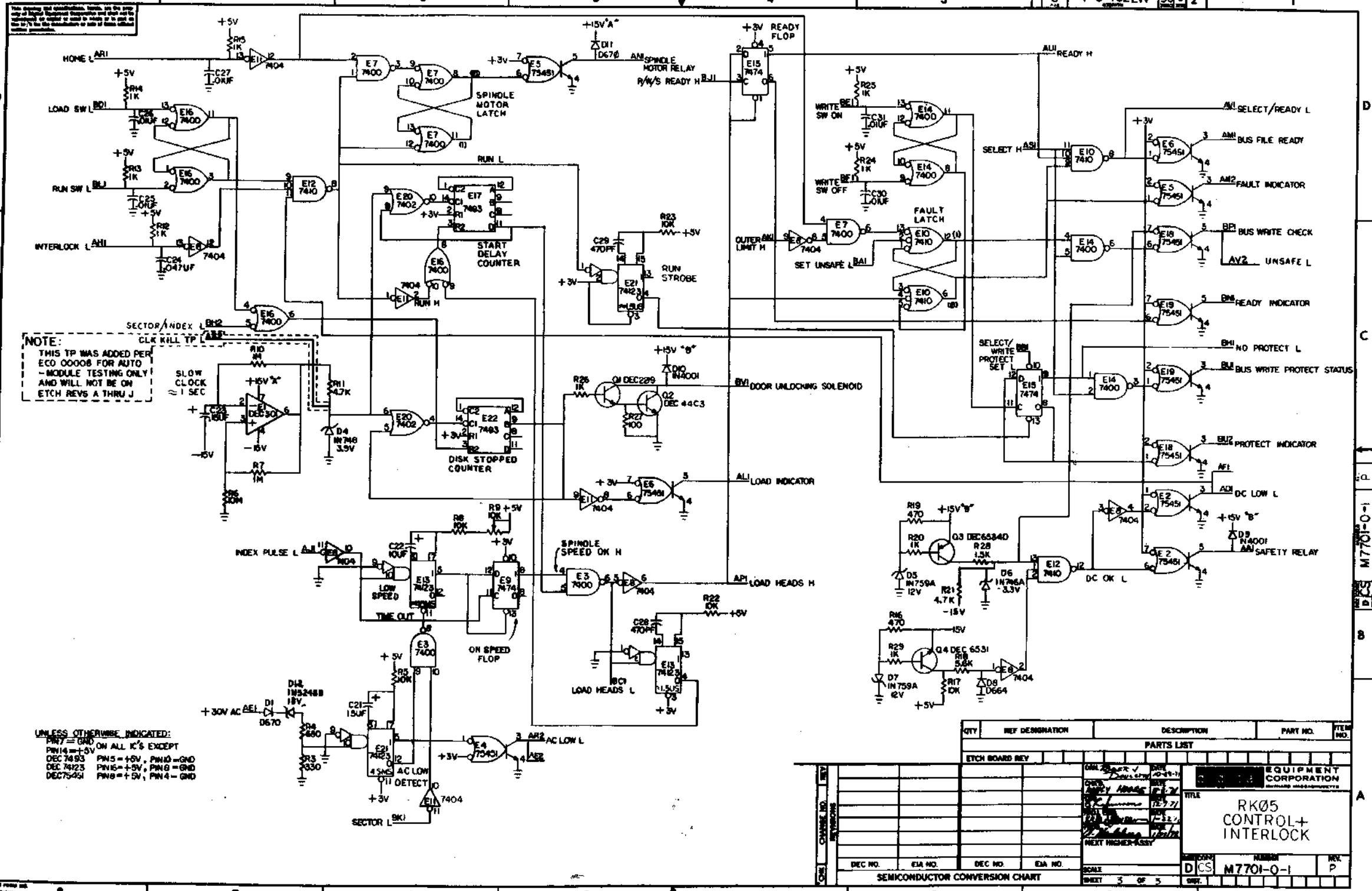
DCS M7701-0-1

D
C
B
A

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO
		K-T COORDINATE HOLE LOCATION	K-CO-M7701-0-4	1
		ASSY/DRILLING HOLE LAYOUT	E-M-M7701-0-5	2
		MOBILE ECD HISTORY	B-M-M7701-0-6	3
		ETCHED CIRCUIT BOARD	5008714	4
25	C1-C20, C25-C27, C30, C31	CAP. .01 UF, 100V, 205, D1SC	1001610	5
1	C21	CAP. .15 UF, 20V, 205, TANT	1004012	6
1	C22	CAP. .10 UF, 20V, 205, TANT	1004013	7
1	C23	CAP. .15 UF, 35V, 205, TANT	1002180	8
2	C28, C29	CAP. 470 PF, 100V, 55, DW	1006024	9
1	D8	DIODE, 0684	1100114	10
2	D1, D11	DIODE, 0670	1102162	11
2	D8, D10	DIODE, 1M4001	1102042	12
1	D8	DIODE, 1M748A, 3.3V	1104060	13
1	D4	DIODE, 1M748, 3.3V	1100121	14
2	D5, D7	DIODE, 1M7585, 12V	1110043	15
A/R		TRIPLETS	1210244-0	16
1	R27	RES. 100 OHMS, 1/4, 5%	1300220	17
2	R2, R3	RES. 330 OHMS, 1/4, 5%	1300295	18
2	R10, R19	RES. 470 OHMS, 1/4, 5%	1300316	19
1	R7	RES. 750 OHMS, 1/4, 5%	1301401	20
9	R12, R13, R15, R20, R24, R25, R26, R28, R14	RES. 1K, 1/4, 5%	1300305	21
1	R26	RES. 1.5K, 1/4, 5%	1300291	22
1	R4	RES. 800 OHMS, 1/4, 5%	1301424	23
2	R11, R21	RES. 47K, 1/4, 5%	1300447	24
1	R19	RES. 9.0K, 1/4, 5%	1301074	25
5	R9, R8, R17, R22, R23	RES. 10K, 1/4, 5%	1300470	26
				27
2	R7, R18	RES. 1M, 1/4, 5%	1300505	28
1	R0	RES. 10 M, 1/4, 5%	1302600	29
1	R9	RES. 10 K, 1/4, 10%, 70 PR	1300163-10	31
1	Q4	TRANSISTOR, DEC 8531	1500330	32
1	Q7	TRANSISTOR, DEC 2218	1501881	33
1	Q3	TRANSISTOR, DEC 85340	1502489-00	34
1	Q2	TRANSISTOR, DEC 4463	151071	35
4	E3, E7, E10, E14	I.C., DEC 7400	1005575	36
1	E29	I.C., DEC 7402	1000004	37
2	E11, E0	I.C., DEC 7404	1000000	38
2	E12, E10	I.C., DEC 7410	1005576	39
2	E9, E15	I.C., DEC 7474	1003547	40
2	E22, E17	I.C., DEC 7493	1000054	41
2	E21, E13	I.C., DEC 74123	1018430	42
6	E2, E4, E6, E5, E10, E19	I.C., DEC 75451	1010206	43
1	E1	I.C., DEC 301	1010202	44
4		EYELET #051-7	0000732	45
2		HAMBLE FLIP CHIP - MAGENTA	0000337-00	46
1		SCREW #4-40 X 5/16	0000010-1	47
1		NUT, KEP #4-40	0000357	48
1	D12	DIODE, 1N5248B, 18V, 55	1110706	49
1	C24	CAP. .047 UF, 18V, D1SC	1000670	50

D
C
B
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REV	CHK	CHANGE NO.	REV.



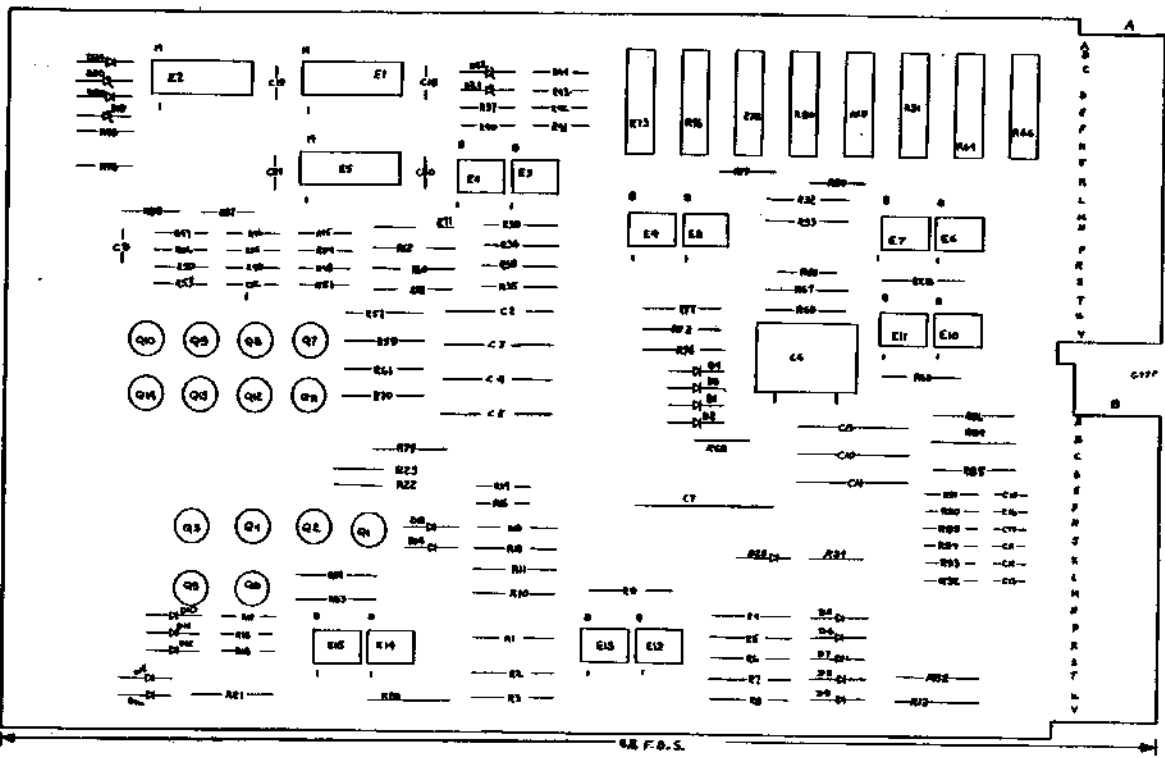
NOTE:
THIS TP WAS ADDED PER
ECO 0008 FOR AUTO
-MODULE TESTING ONLY
AND WILL NOT BE ON
ETCH REVS A THRU J

UNLESS OTHERWISE INDICATED:
PN7 = GND ON ALL IC'S EXCEPT
DEC 7493 PN14 = +5V, PN15 = +5V, PN16 = GND
DEC 7423 PN15 = +5V, PN16 = GND
DEC 7451 PN16 = +5V, PN14 = GND

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV				
EQUIPMENT CORPORATION MILWAUKEE, WISCONSIN				
RK05 CONTROL + INTERLOCK				
M7701-0-1				
REV P				
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE
				D/C S
SHEET 3 OF 5				

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NOTES:

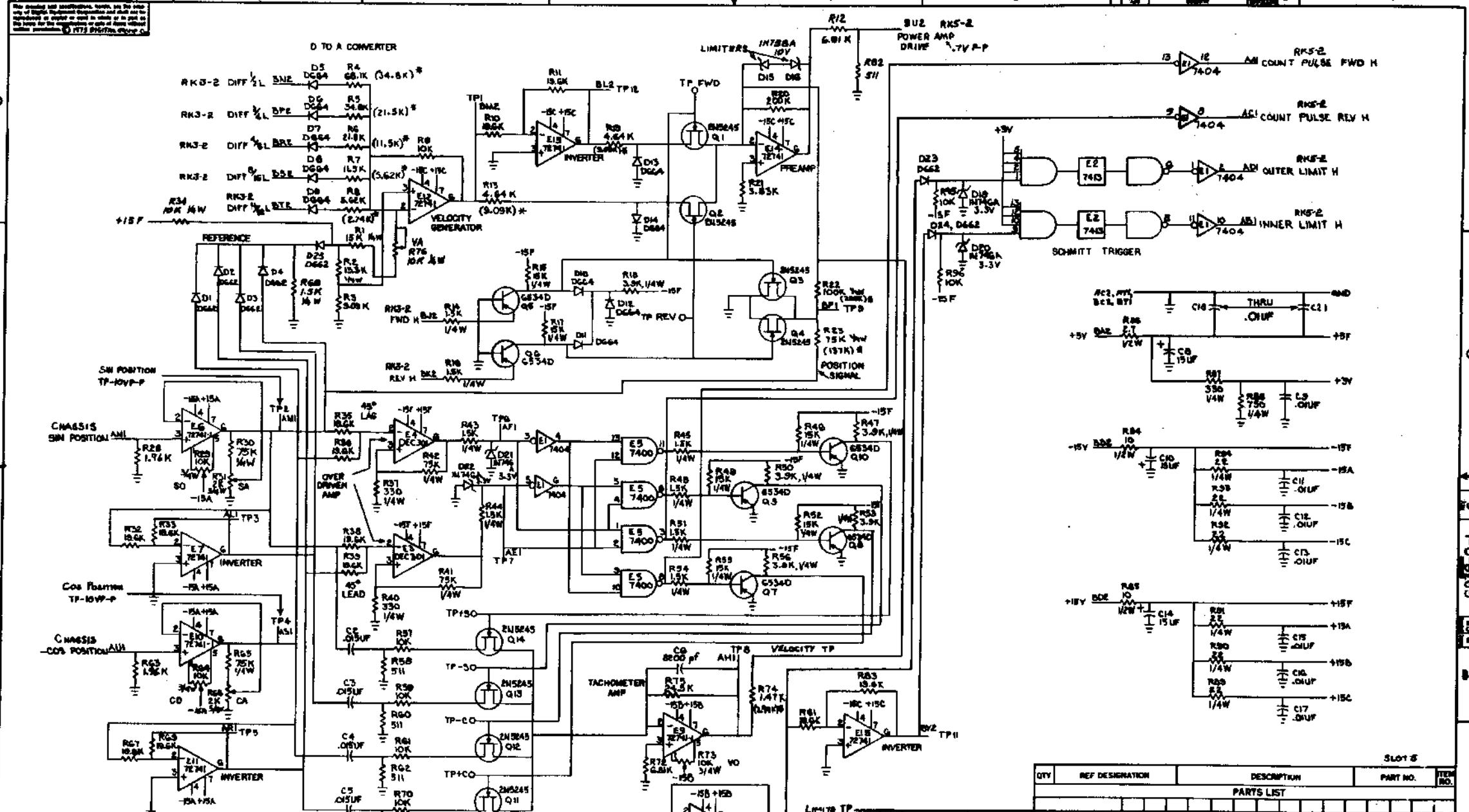


QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
8	B	Q1 THRU Q4, Q1 THRU Q4	TRANSISTOR 2N5295	1509681
6	G	Q5 THRU Q10	TRANSISTOR DEC 6534D	1503409-00
1	E1	I.C. DEC 7404	1509686	51
1	E2	I.C. DEC 7413	1509989	52
2	E3, E4	I.C. DEC 301	1510282	53
1	E5	I.C. DEC 7400	1505575	54
7	E7, E8, E11 THRU E15	I.C. DEC 72741	1510298-00	55
4	A	EYELET # 654-7	9006732	56
2	Z	HANDLE, FLIP CHIP GREEN	9008777-01	57
AIR	A/R	GRIPLET	1210244-0	58
1	R22	RES 200K, 1/4W, 1%	1305336	59
1	R23	RES 137K, 1/4W, 1%	1305442	60
2	R13, R19	RES 509K, 1/4W, 1%	1304855	61
1	R74	RES 2.24K, 1/4W, 1%	1301981	62
3	E6, E9, E10	IC DEC 72741	1510298-01	63

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	X	COORDINATE HOLE LOCATION	KCO-6938-0-4	1
1	S	DRILLING HOLE LAYOUT	EAH-G938-0-5	2
1	E	MODULE ECO HISTORY	B-MH-G938-0-6	3
1	C	ETCHED CIRCUIT BOARD	5009388	4
1	C	CAP. 015 UF 50V 2% POLY CARB	1010646	5
1	C	CAP 8200 PF 100V MICA	1000061	6
1	C	CAP. 022 UF 100V 10% MYLAR	1002323	7
1	C	CAP 15 UF 20V 10% S. TANT	1004812	8
1	C	CAP. 01 UF 100V 20% DISC	1001610-01	9
1	D	DIODE D662	1100113	10
1	D	DIODE D664	1100114	11
2	D	DIODE IN758A 10V	1100125	12
2	D	DIODE IN746A	1104860	13
1	R	RES. 15K 1/4W 5%	1300496	14
1	R	RES. 13.3K 1/4W 5% MF	1312565	15
1	R	RES. 9.09K 1/8W 1% MF	1304855	16
1	R	RES. 34.8K 1/8W 1% MF	1303154	17
1	R	RES. 68.1K 1/8W 1% MF	1305252	18
1	R	RES. 34.8K 1/8W 1% MF	1303156	19
1	R	RES. 21.5K 1/8W 1% MF	1303155	20
1	R	RES. 11.5K 1/8W 1% MF	1304813	21
1	R	RES. 21.5K 1/8W 1% MF	1303155	22
1	R	RES. 5.62K 1/8W 1% MF	1303128	23
1	R	RES. 11.5K 1/8W 1% MF	1304815	24
1	R	RES. 2.74K 1/8W 1% MF	1304868	25
1	R	RES. 5.62K 1/8W 1% MF	1305128	26
1	R	RES. 10K 1/8W 1% MF	1303312	27
12	R	RES. 19.6K 1/8W 1% MF	1304179	28
2	R	RES. 6.81K 1/8W 1% MF	1304870	29
2	R	RES. 4.64K 1/8W 1% MF	1304856	30
9	R	RES. 1.5K 1/4W 5%	1300391	31
5	R	RES. 3.9K 1/4W 5%	1300444	32
1	R	RES. 200K 1/8W 1% MF	1305336	33
1	R	RES. 3.83K 1/8W 1% MF	1304473	34
1	R	RES. 100K 1/4W 5%	1302466	35
5	R	RES. 75K 1/4W 5%	1304841	36
5	R	POT. 10K 3/4W 20% 76 PR	1309143-10	37
3	R	POT. 2K 3/4W 10% 76 PR	1304143-08	38
3	R	RES. 330 1/4W 5%	1300295	39
5	R	RES. 511 1/8W 1% MF	1302411	40
1	R	RES. 24.3K 1/8W 1% MF	1304918	41
2	R	RES. 10 1/2W 5%	1300128	42
1	R	RES. 2.7 1/2W 10%	1304444	43
6	R	RES. 22 1/4W 5%	1301964	44
1	R	RES. 750 1/4W 5%	1301401	45
3	R	RES. 1.96K 1/8W 1% MF	1304838	46
1	R	RES. 147K 1/8W 1% MF	1305108	47
3	R	RES. 10K 1/4W 5%	1300479	48

72741	SEE SHT 2
LM301	SEE SHT 2
IC TYPE	QND +5V
QND AND BY ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT WHERE STATED ABOVE	
IC PIN LOCATIONS	

6534D	NONE	DATE: 8-8-71	
2N5245		DATE: 2-9-71	
D662	ING45	DATE: 2-30-71	
D664	IN3606	DATE: 2-30-71	
1746A	SAME	DATE: 2-3-72	
SEMICONDUCTOR CONVERSION CHART		TITLE: DEC PACK HEAD POSITION SERVO PREAMP RK5-1	
DEC. NO.	EIA NO.	DEC. NO.	EIA NO.
SCALE: 1/16		SHEET: 1 OF 2	
DRAWN: R. DOUCETTE		DATE: 8-8-71	
CHECKED: J. JENSEN		DATE: 2-9-71	
APPROVED: J. JENSEN		DATE: 2-30-71	
NEXT HIGHER ASSY:		DATE: 2-3-72	
DISTRIBUTION:		DATE: 2-3-72	

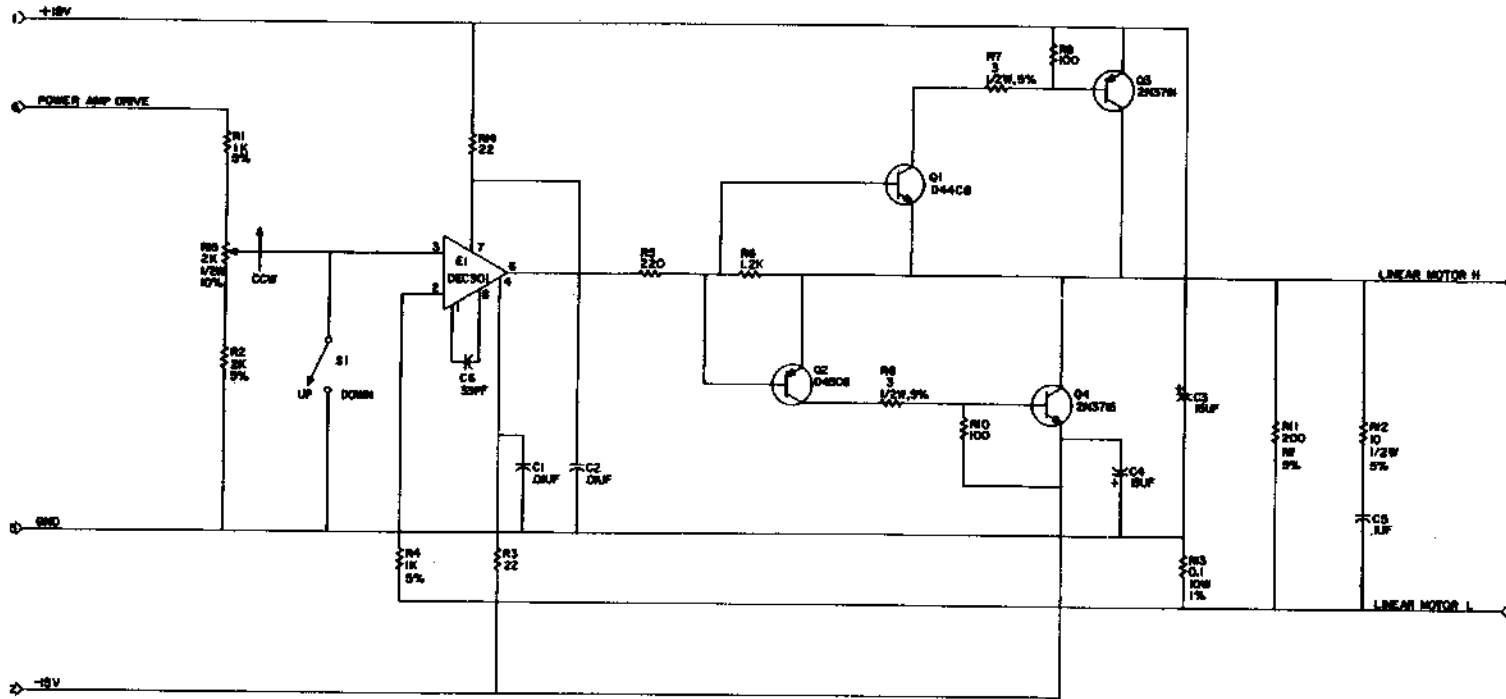
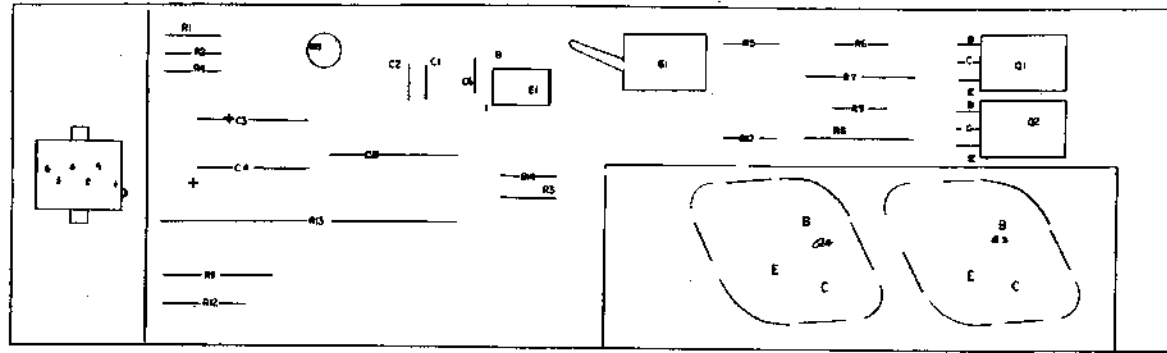


VALUES SHOWN IN PARENTHESIS IN LOCATIONS (R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14) ARE THE VALUES TO BE USED FOR THE 5000% VARIATION IN THE RKS5 DOUBLE DENSITY (RKS5F).

NOTE: UNLESS OTHERWISE INDICATED, RESISTORS ARE 1/4W.

ORDER	FWD	SEEK
1	Q13	Q1
2	Q1	Q14
3	Q14	Q12
4	Q12	

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
		RESISTOR		
		CAPACITOR		
		TRANSISTOR		
		IC		
		DIODE		
		INDUCTOR		
		RELAY		
		CONNECTOR		
		WIRE		
		MECHANICAL		



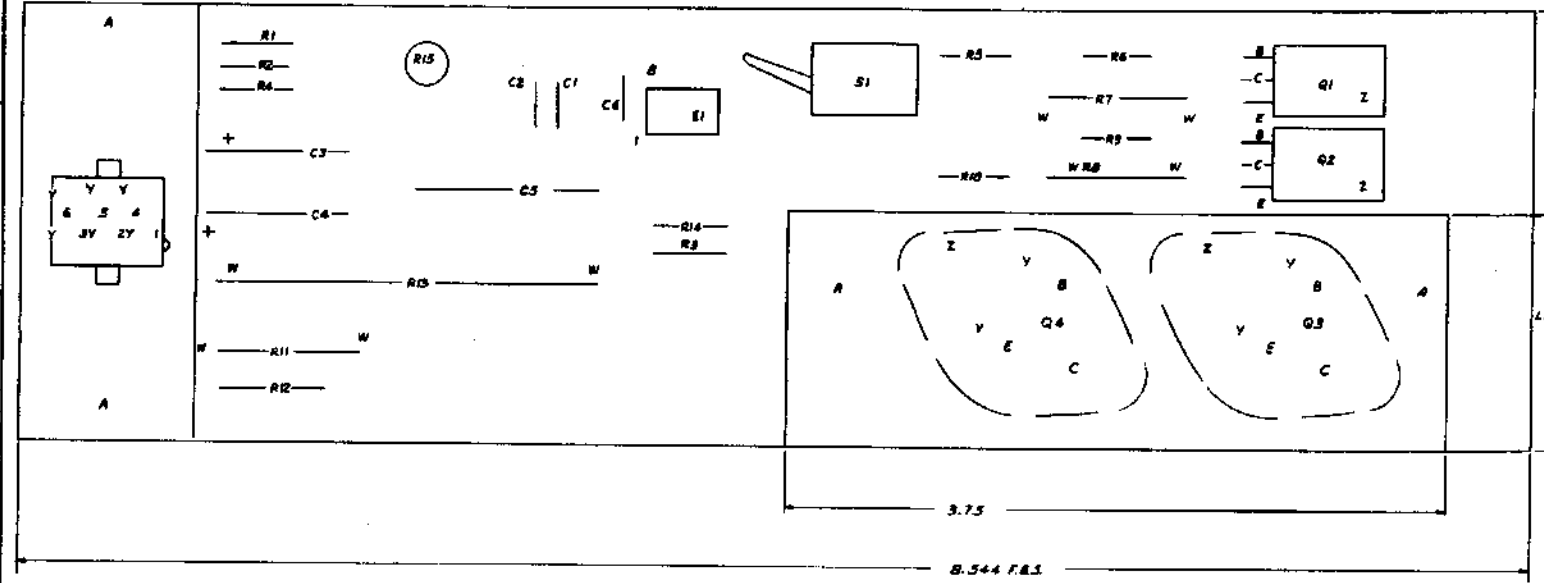
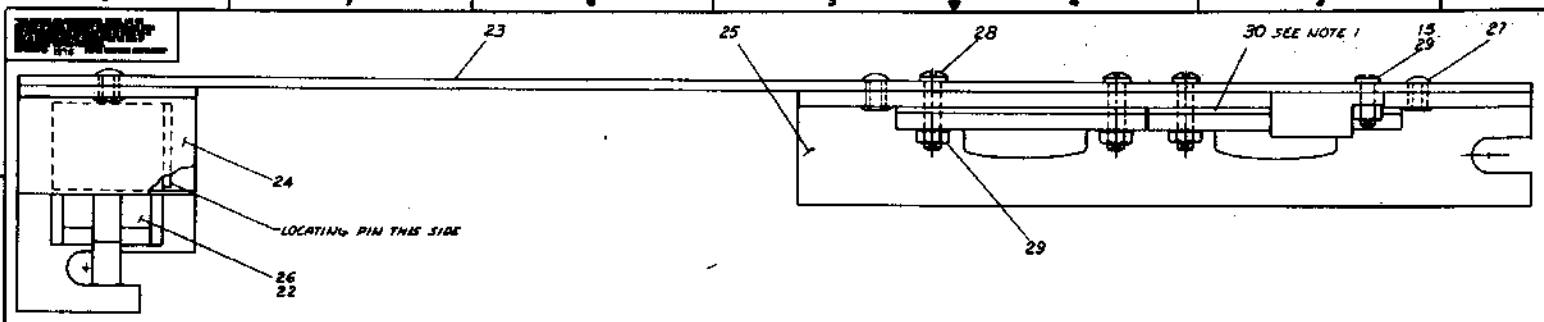
UNLESS OTHERWISE INDICATED:
 RES. ARE 1/4W, 10%
 R13 IS A CURRENT SAMPLING RES.

RESISTOR	1/4W 10%
CAPACITOR	50V
TRANSISTOR	TO-18
DIODE	1N4148
OP-AMP	DEC301
INDUCTOR	100UH
RELAY	
CONNECTOR	
WIRE	22 AWG
TERMINAL	
OTHER	

REV	DATE	BY	CHK
1	10/1/71	JLH	
2	10/1/71	JLH	
3	10/1/71	JLH	

TRANSISTOR & DIODE CONVERSION CHART			
ALC	SA	SEC	DA

EQUIPMENT CORPORATION		DECRAK HEAD POS. SERVO PWR. AMP.	
8	CE	H04-0-1	K



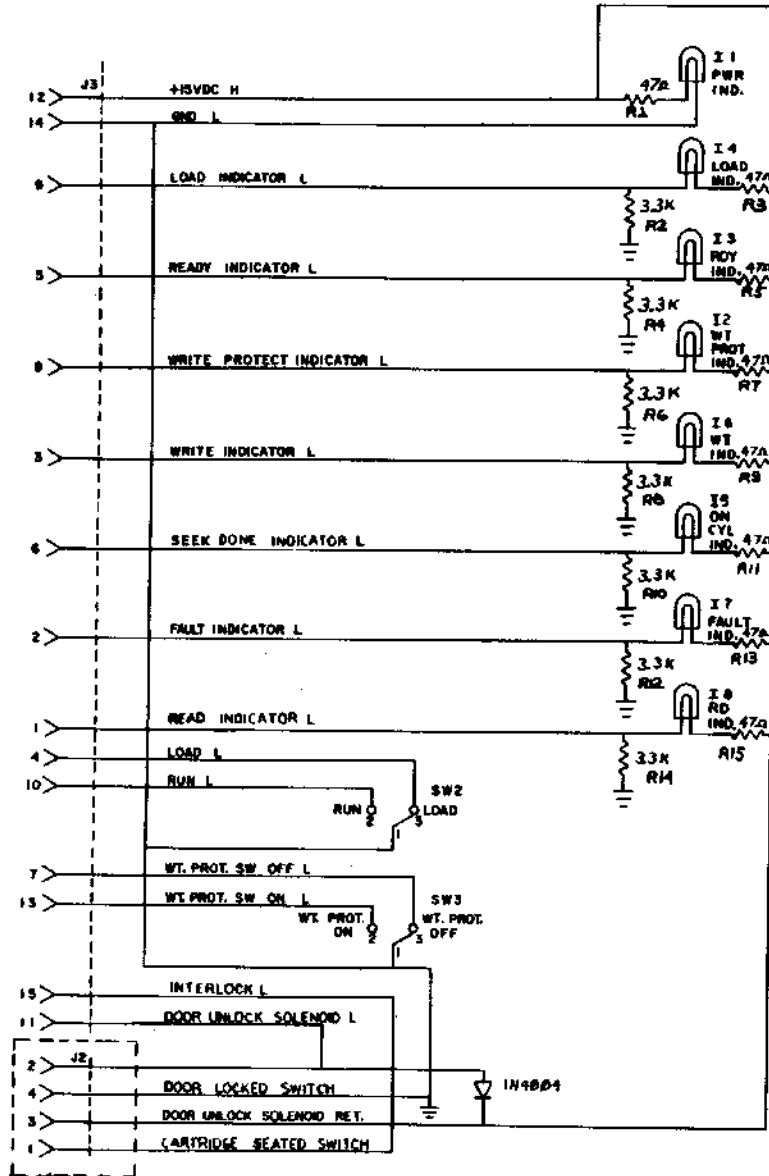
2.44 REF
 L375

1	RES 2K, 10W, 5%	130238	23
2	RES 1K, 10W, 5%	130237	24
3	COMPOUNDING THERMAL JNT	300282	31
4	INDUCTOR, AIRCORE	300478	30
5	WVT, RES 1/4W, 5%	300438	29
6	STR BIND HD, 300438	300438	28
7	WASHER, 1/8", 300438	300438	30
8	1/8" FULL MAT'L BRACKET	300438	35
9	BRACKET HEAT SINK	300438	35
10	BRACKET SERVO BOARD	300438	35
11	ETCHED CIRCUIT BOARD	300438	35
12	FINES FOR MAT'L-IDCK	300438	35
13	SC, 1/8" DIA	150282	21
14	TRANS 2N3718	150282	20
15	TRANS 2N3771	150282	19
16	TRANS 2N3638	150282	18
17	TRANS 2N3638	150282	17
18	TRANS 2N3638	150282	16
19	RES 1K, 10W, 5%	130237	24
20	STR BIND HD, 300438	300438	28
21	POT 2K, 5W, 10%, 5%PA	130238-01	23
22	RES 1K, 10W, 5%	130237	24
23	RES 200, 10W, 5%	130237	18
24	RES 100, 10W, 5%	130237	17
25	RES 100, 10W, 5%	130237	16
26	RES 100, 10W, 5%	130237	15
27	RES 10, 5W, 5%	130237	14
28	RES 10, 5W, 5%	130237	13
29	RES 1, 10W, 1%	130237	12
30	RES 1, 10W, 1%	130237	11
31	SWITCH, 100438	100438	3
32	CAP 100, 50V, 10%	100438	2
33	CAP 100, 50V, 10%	100438	1
34	CAP 100, 50V, 10%	100438	1
35	CAP 100, 50V, 10%	100438	1
36	CAP 100, 50V, 10%	100438	1
37	CAP 100, 50V, 10%	100438	1
38	CAP 100, 50V, 10%	100438	1
39	CAP 100, 50V, 10%	100438	1
40	CAP 100, 50V, 10%	100438	1
41	CAP 100, 50V, 10%	100438	1
42	CAP 100, 50V, 10%	100438	1
43	CAP 100, 50V, 10%	100438	1
44	CAP 100, 50V, 10%	100438	1
45	CAP 100, 50V, 10%	100438	1
46	CAP 100, 50V, 10%	100438	1
47	CAP 100, 50V, 10%	100438	1
48	CAP 100, 50V, 10%	100438	1
49	CAP 100, 50V, 10%	100438	1
50	CAP 100, 50V, 10%	100438	1
51	CAP 100, 50V, 10%	100438	1
52	CAP 100, 50V, 10%	100438	1
53	CAP 100, 50V, 10%	100438	1
54	CAP 100, 50V, 10%	100438	1
55	CAP 100, 50V, 10%	100438	1
56	CAP 100, 50V, 10%	100438	1
57	CAP 100, 50V, 10%	100438	1
58	CAP 100, 50V, 10%	100438	1
59	CAP 100, 50V, 10%	100438	1
60	CAP 100, 50V, 10%	100438	1
61	CAP 100, 50V, 10%	100438	1
62	CAP 100, 50V, 10%	100438	1
63	CAP 100, 50V, 10%	100438	1
64	CAP 100, 50V, 10%	100438	1
65	CAP 100, 50V, 10%	100438	1
66	CAP 100, 50V, 10%	100438	1
67	CAP 100, 50V, 10%	100438	1
68	CAP 100, 50V, 10%	100438	1
69	CAP 100, 50V, 10%	100438	1
70	CAP 100, 50V, 10%	100438	1
71	CAP 100, 50V, 10%	100438	1
72	CAP 100, 50V, 10%	100438	1
73	CAP 100, 50V, 10%	100438	1
74	CAP 100, 50V, 10%	100438	1
75	CAP 100, 50V, 10%	100438	1
76	CAP 100, 50V, 10%	100438	1
77	CAP 100, 50V, 10%	100438	1
78	CAP 100, 50V, 10%	100438	1
79	CAP 100, 50V, 10%	100438	1
80	CAP 100, 50V, 10%	100438	1
81	CAP 100, 50V, 10%	100438	1
82	CAP 100, 50V, 10%	100438	1
83	CAP 100, 50V, 10%	100438	1
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85	CAP 100, 50V, 10%	100438	1
86	CAP 100, 50V, 10%	100438	1
87	CAP 100, 50V, 10%	100438	1
88	CAP 100, 50V, 10%	100438	1
89	CAP 100, 50V, 10%	100438	1
90	CAP 100, 50V, 10%	100438	1
91	CAP 100, 50V, 10%	100438	1
92	CAP 100, 50V, 10%	100438	1
93	CAP 100, 50V, 10%	100438	1
94	CAP 100, 50V, 10%	100438	1
95	CAP 100, 50V, 10%	100438	1
96	CAP 100, 50V, 10%	100438	1
97	CAP 100, 50V, 10%	100438	1
98	CAP 100, 50V, 10%	100438	1
99	CAP 100, 50V, 10%	100438	1
100	CAP 100, 50V, 10%	100438	1

1	RES 100, 50V, 10%	100438	1
2	RES 100, 50V, 10%	100438	1
3	RES 100, 50V, 10%	100438	1
4	RES 100, 50V, 10%	100438	1
5	RES 100, 50V, 10%	100438	1
6	RES 100, 50V, 10%	100438	1
7	RES 100, 50V, 10%	100438	1
8	RES 100, 50V, 10%	100438	1
9	RES 100, 50V, 10%	100438	1
10	RES 100, 50V, 10%	100438	1
11	RES 100, 50V, 10%	100438	1
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13	RES 100, 50V, 10%	100438	1
14	RES 100, 50V, 10%	100438	1
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16	RES 100, 50V, 10%	100438	1
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37	RES 100, 50V, 10%	100438	1
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63	RES 100, 50V, 10%	100438	1
64	RES 100, 50V, 10%	100438	1
65	RES 100, 50V, 10%	100438	1
66	RES 100, 50V, 10%	100438	1
67	RES 100, 50V, 10%	100438	1
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70	RES 100, 50V, 10%	100438	1
71	RES 100, 50V, 10%	100438	1
72	RES 100, 50V, 10%	100438	1
73	RES 100, 50V, 10%	100438	1
74	RES 100, 50V, 10%	100438	1
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77	RES 100, 50V, 10%	100438	1
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80	RES 100, 50V, 10%	100438	1
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83	RES 100, 50V, 10%	100438	1
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87	RES 100, 50V, 10%	100438	1
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89	RES 100, 50V, 10%	100438	1
90	RES 100, 50V, 10%	100438	1
91	RES 100, 50V, 10%	100438	1
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93	RES 100, 50V, 10%	100438	1
94	RES 100, 50V, 10%	100438	1
95	RES 100, 50V, 10%	100438	1
96	RES 100, 50V, 10%	100438	1
97	RES 100, 50V, 10%	100438	1
98	RES 100, 50V, 10%	100438	1
99	RES 100, 50V, 10%	100438	1
100	RES 100, 50V, 10%	100438	1

HEAD POSITION
 SERVO POWER AMP
 100438

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1968 BY DIGITAL EQUIPMENT CORPORATION

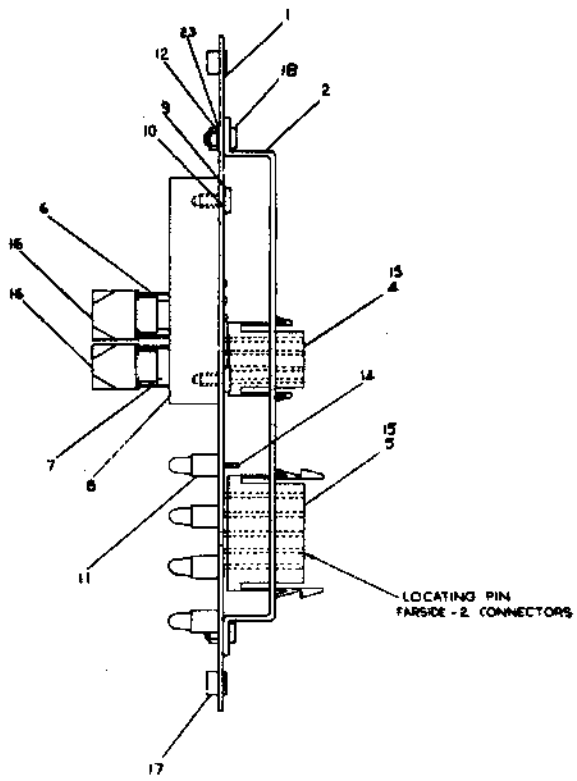
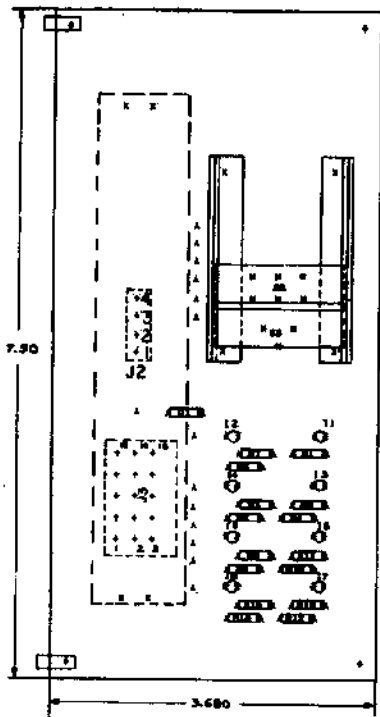


REV. NO.	REV. DATE	REV. BY	REV. DESCRIPTION
1	11-20-67	S. CRONER	INITIAL DES.
2	12-23-67	S. CRONER	DESIGN
3	1-16-68	S. CRONER	TESTING
4	1-16-68	S. CRONER	REVISION
5	1-16-68	S. CRONER	REVISION
6	1-16-68	S. CRONER	REVISION
7	1-16-68	S. CRONER	REVISION
8	1-16-68	S. CRONER	REVISION
9	1-16-68	S. CRONER	REVISION
10	1-16-68	S. CRONER	REVISION
11	1-16-68	S. CRONER	REVISION
12	1-16-68	S. CRONER	REVISION
13	1-16-68	S. CRONER	REVISION
14	1-16-68	S. CRONER	REVISION
15	1-16-68	S. CRONER	REVISION

OWN: S. CRONER	DATE: 11-20-67	TRANSISTOR & DIODE CONVERSION CHART			
CHKD: S. CRONER	DATE: 12-23-67	DEC	ISA	DEC	ISA
DES: S. CRONER	DATE: 1-16-68				
APP: S. CRONER	DATE: 1-16-68				

TITLE		RK7-1	
RK05 CONTROL PANEL			
SIZE	CODE	NUMBER	REV.
C	CS	5409698-0-1	F
PRINTED CIRCUIT REV. [Signature]			

REV. F
NUMBER 5409698-0-1
CS



1	WASHER	5006623	29
2	1N4004 DIODE	1103786-00	2
3	2.2K 1/4W 5% RESISTOR	1300488-00	21
4	47K 1/4W 5% RESISTOR	1300308-00	20
5	WIRING DIAGRAM LAYOUT	5409698-00	1
6	SCR. PHIL PIN HS #4-80# 3/16 LG	5006620-1	18
7	NYLON CLIP #2-24	5006624	11
8	SWITCH BUTTON	180527-01	16
9	PIN SOCKET MATE 4-LOCK	180485-01	15
10	78 TERMINAL SOLDERLESS	5007018	14
11	NYLON KEYS #4-40	5008257	12
12	LAMP	1003868	11
13	LOCK WASHER INTERNAL 8-32	5006644	10
14	SCREW PHIL PAN #4-40 3/16 LG	5006621-1	9
15	SWITCH MOUNTING EAR	5006620-04	8
16	SWITCH, ROCKER	1005510	7
17	SWITCH, ROCKER	1105941	6
18	HOUSING, SOCKET MATE 4-LOCK	1805391-01	5
19	HOUSING, SOCKET MATE 4-LOCK	1805391-02	4
20	CONNECTOR BRACKET	5409698-03	3
21	ETCHED CIRCUIT BOARD	5009687	2
22	MODULE ECO HYSTER	5409698-04	1
23	NYLON ORDNATE HOLE LOCATION	5409698-04	1
24	CIRCUIT SCHEMATIC	5409698-01	1

REV	DATE	BY	CHK	DESCRIPTION

REV	DATE	BY	CHK	DESCRIPTION

CONTROL PANEL (RK05)

5409698-0-0

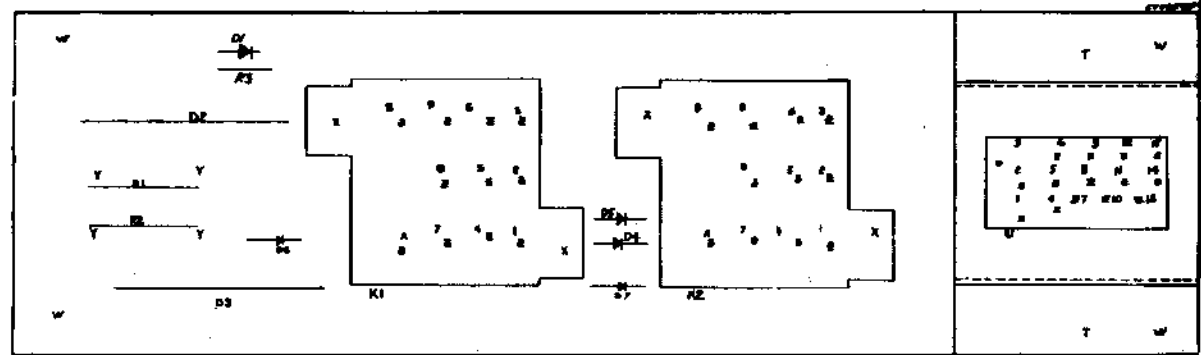
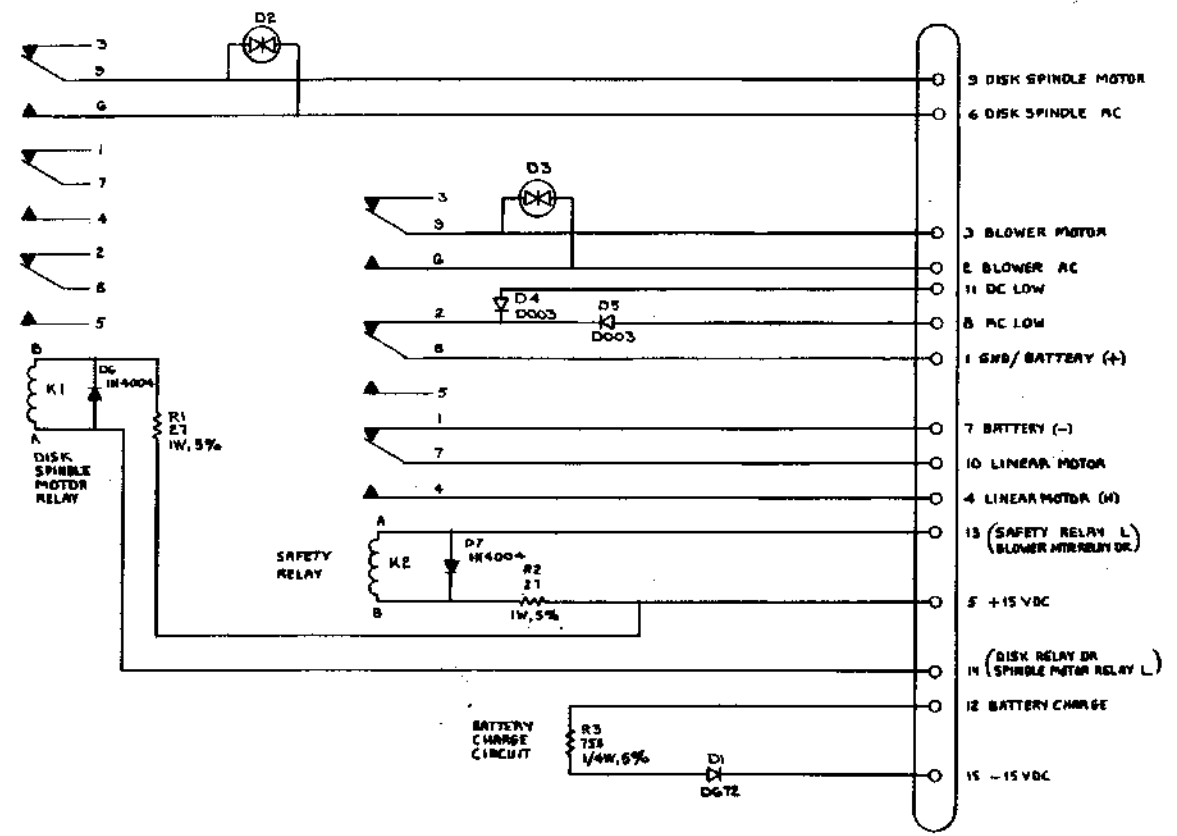
COMPONENT CORPORATION

RK-2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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

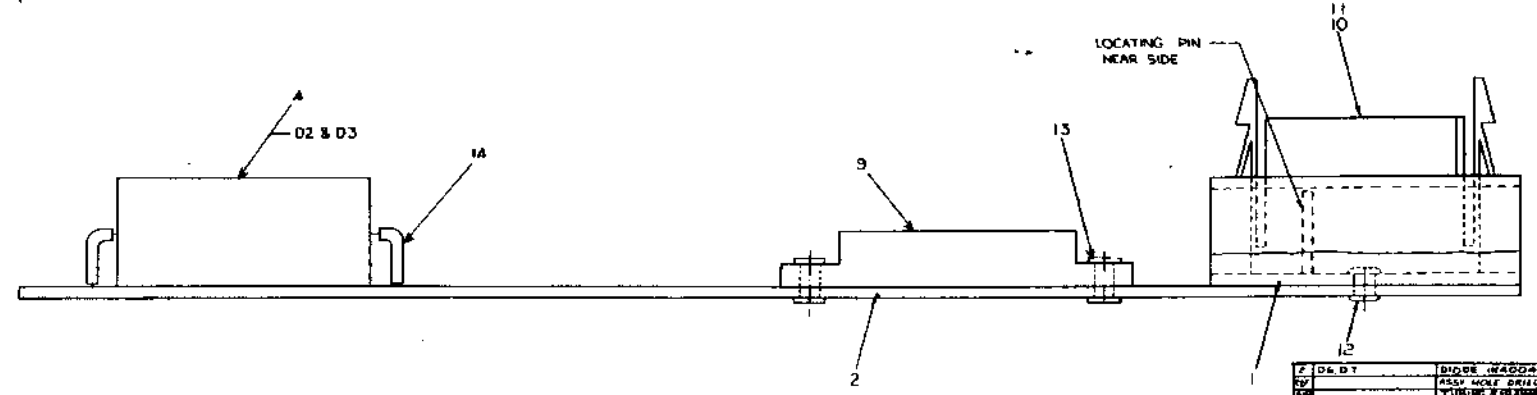
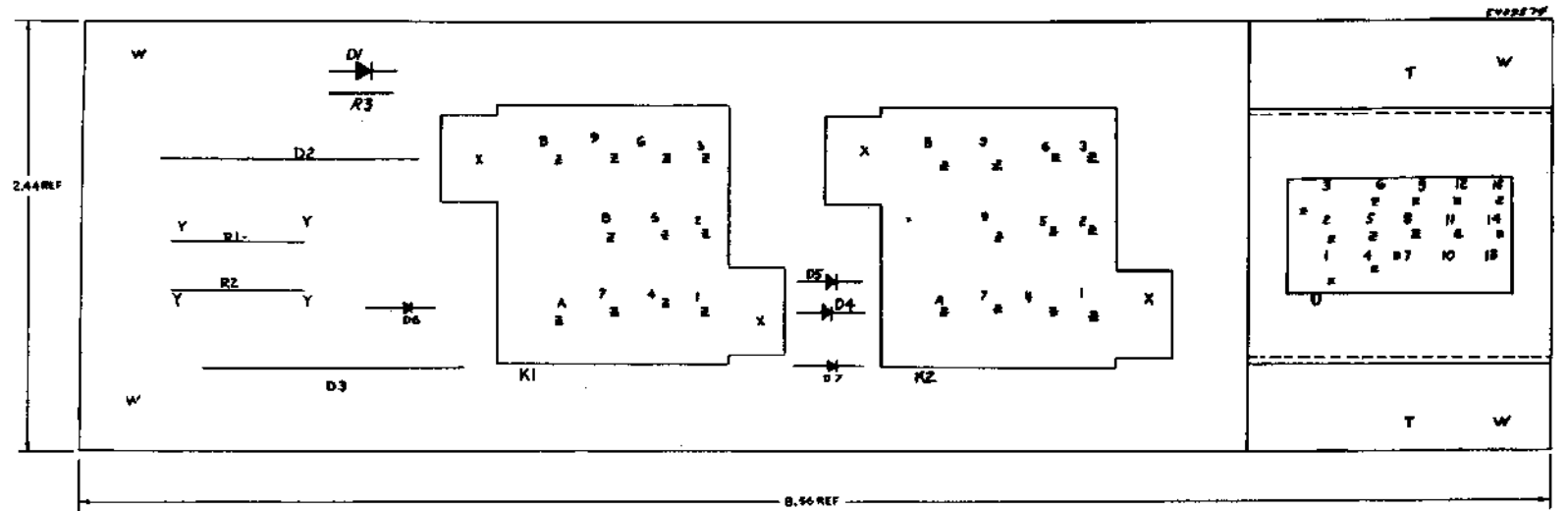


REV	DATE	BY	CHKD	APP'D
1	12-9-77	J. RINALDIS		
2	1-17-78	J. RINALDIS		
3	1-17-78	J. RINALDIS		
4	1-17-78	J. RINALDIS		
5	1-17-78	J. RINALDIS		
6	1-17-78	J. RINALDIS		
7	1-17-78	J. RINALDIS		
8	1-17-78	J. RINALDIS		
9	1-17-78	J. RINALDIS		
10	1-17-78	J. RINALDIS		

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
	D003	1N994		
	D672	1N3653		

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.										
PARTS LIST														
ETCH BOARD	REV	F												
<table border="1"> <tr> <td>DATE</td> <td>12-9-77</td> </tr> <tr> <td>DATE</td> <td>1-17-78</td> </tr> <tr> <td>DATE</td> <td>1-17-78</td> </tr> <tr> <td>DATE</td> <td>1-17-78</td> </tr> <tr> <td>DATE</td> <td>1-17-78</td> </tr> </table>					DATE	12-9-77	DATE	1-17-78	DATE	1-17-78	DATE	1-17-78	DATE	1-17-78
DATE	12-9-77													
DATE	1-17-78													
DATE	1-17-78													
DATE	1-17-78													
DATE	1-17-78													
<table border="1"> <tr> <td colspan="2"> EQUIPMENT CORPORATION <small>WALTHAM, MASSACHUSETTS 01980</small> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> DEC PACK MOTOR RELAYS </td> </tr> <tr> <td> NUMBER CS 5409574-0-1 </td> <td> REV. H </td> </tr> </table>					EQUIPMENT CORPORATION <small>WALTHAM, MASSACHUSETTS 01980</small>		DEC PACK MOTOR RELAYS		NUMBER CS 5409574-0-1	REV. H				
EQUIPMENT CORPORATION <small>WALTHAM, MASSACHUSETTS 01980</small>														
DEC PACK MOTOR RELAYS														
NUMBER CS 5409574-0-1	REV. H													
<table border="1"> <tr> <td>SCALE</td> <td>1 OF 1</td> </tr> <tr> <td>SHEET</td> <td>1 OF 1</td> </tr> </table>					SCALE	1 OF 1	SHEET	1 OF 1						
SCALE	1 OF 1													
SHEET	1 OF 1													
<table border="1"> <tr> <td>SEMICONDUCTOR CONVERSION CHART</td> </tr> </table>					SEMICONDUCTOR CONVERSION CHART									
SEMICONDUCTOR CONVERSION CHART														

CS 5409574-0-1 H



CAUTION
CHANGE COULD AFFECT U.L. LISTING

2	DR. DT	DRIVE HEADS	1105708	14
3		ASSY W/ HOLE DRILLING LAUNCH	040930100102	12
4		TUBING 1/2" ID	310717-1	15
4		SOLENOID 0.5" X 0.5"	900046	13
5		RELAY 12VDC	000077	16
6		SOLENOID 0.5" X 0.5"	111220	17
7		SOLENOID 0.5" X 0.5"	000077	16
8		SOLENOID 0.5" X 0.5"	000077	16
9		SOLENOID 0.5" X 0.5"	000077	16
10		SOLENOID 0.5" X 0.5"	000077	16
11		SOLENOID 0.5" X 0.5"	000077	16
12		SOLENOID 0.5" X 0.5"	000077	16
13		SOLENOID 0.5" X 0.5"	000077	16
14		SOLENOID 0.5" X 0.5"	000077	16
15		SOLENOID 0.5" X 0.5"	000077	16
16		SOLENOID 0.5" X 0.5"	000077	16
17		SOLENOID 0.5" X 0.5"	000077	16
18		SOLENOID 0.5" X 0.5"	000077	16
19		SOLENOID 0.5" X 0.5"	000077	16
20		SOLENOID 0.5" X 0.5"	000077	16
21		SOLENOID 0.5" X 0.5"	000077	16
22		SOLENOID 0.5" X 0.5"	000077	16
23		SOLENOID 0.5" X 0.5"	000077	16
24		SOLENOID 0.5" X 0.5"	000077	16
25		SOLENOID 0.5" X 0.5"	000077	16
26		SOLENOID 0.5" X 0.5"	000077	16
27		SOLENOID 0.5" X 0.5"	000077	16
28		SOLENOID 0.5" X 0.5"	000077	16
29		SOLENOID 0.5" X 0.5"	000077	16
30		SOLENOID 0.5" X 0.5"	000077	16

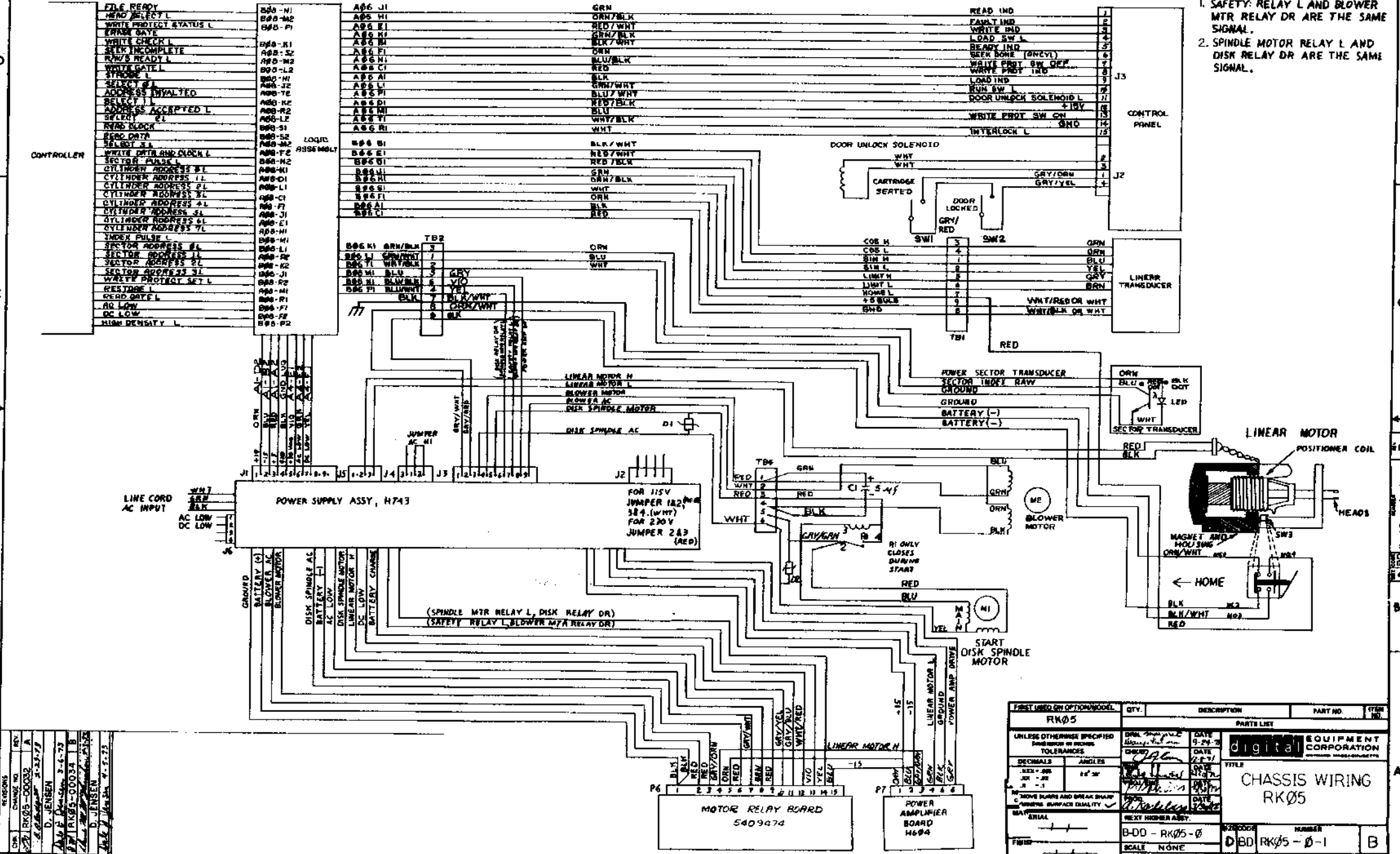
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	
REC NO		EIA NO		SEC NO		DA NO		REV	

DECPACK
MOTOR RELAYS
EIA 540964-0-0

Unapproved changes, deletions, or additions to this drawing are prohibited. Changes to this drawing must be made on a separate drawing and then incorporated into this drawing by a revision or by a new drawing.

INTERFACE CABLE

- NOTES:
1. SAFETY: RELAY L 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	CHKD	DESCRIPTION
1	10-1-73	D. JENSEN		ISSUE FOR PRODUCTION
2	10-1-73	D. JENSEN		REVISION
3	10-1-73	D. JENSEN		REVISION
4	10-1-73	D. JENSEN		REVISION
5	10-1-73	D. JENSEN		REVISION

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITER
RK05		LINEAR MOTOR		

UNLESS OTHERWISE SPECIFIED	DATE	DESCRIPTION
DIMENSIONS IN PARENT PARENTS	10-1-73	ISSUE FOR PRODUCTION
TOLERANCES		
DECIMALS		
ANGLES		
FINISH		
SCALE		
SHEET		

EQUIPMENT CORPORATION	
TITLE	
CHASSIS WIRING	
RK05	
NO. COOR.	NUMBER
B-DD - RK05 - 0	D-BD RK05 - 0-1
SCALE	NONE
SHEET	OF

DIGITAL EQUIPMENT CORPORATION
WAYNARD, MASSACHUSETTS

ACCESSORY LIST

LEGEND

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

QUANTITY/VARIATION

MADE BY: G. Schneider
DATE: 8/17/72
SECTION:
ENG: G. Schneider
DATE: 8/17/72
PROD: G. Schneider
DATE: 8/17/72
ISSUED SECT.:

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	FOR ALL		KIT CHECK	BY	DATE	FOR ALL		INSTALLATION CHECK	BY	DATE
			RK05'S	RRBE'S				RK05'S	RRBE'S			
1	RK05-0	Customer Print Set (B-DD-RK05-0 Sheet one only)	1	1								
2	DEC-RK05-1	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. RK05-0-17	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
85V REGULATOR
CIRCUIT SCHEMATIC
±35V REGULATOR
CIRCUIT SCHEMATIC

SEQUENCE

B-DO-H743-β SHEET #1 ONLY
D-CS-H743-β-1
E-1A-5409503-0-0
D-CS-5409503-0-1
E-1A-5409484-0-0
D-CS-5409484-0-1

SEQUENCE

E-UA-H743-0-0
A-PL-H743-0-0
B-DO-H743-β
A-PI-3700130-0-0

MFG PRINTS

POWER SUPPLY
POWER SUPPLY (PL)
DRAWING DIRECTORY
PACKAGING INSTRUCTION

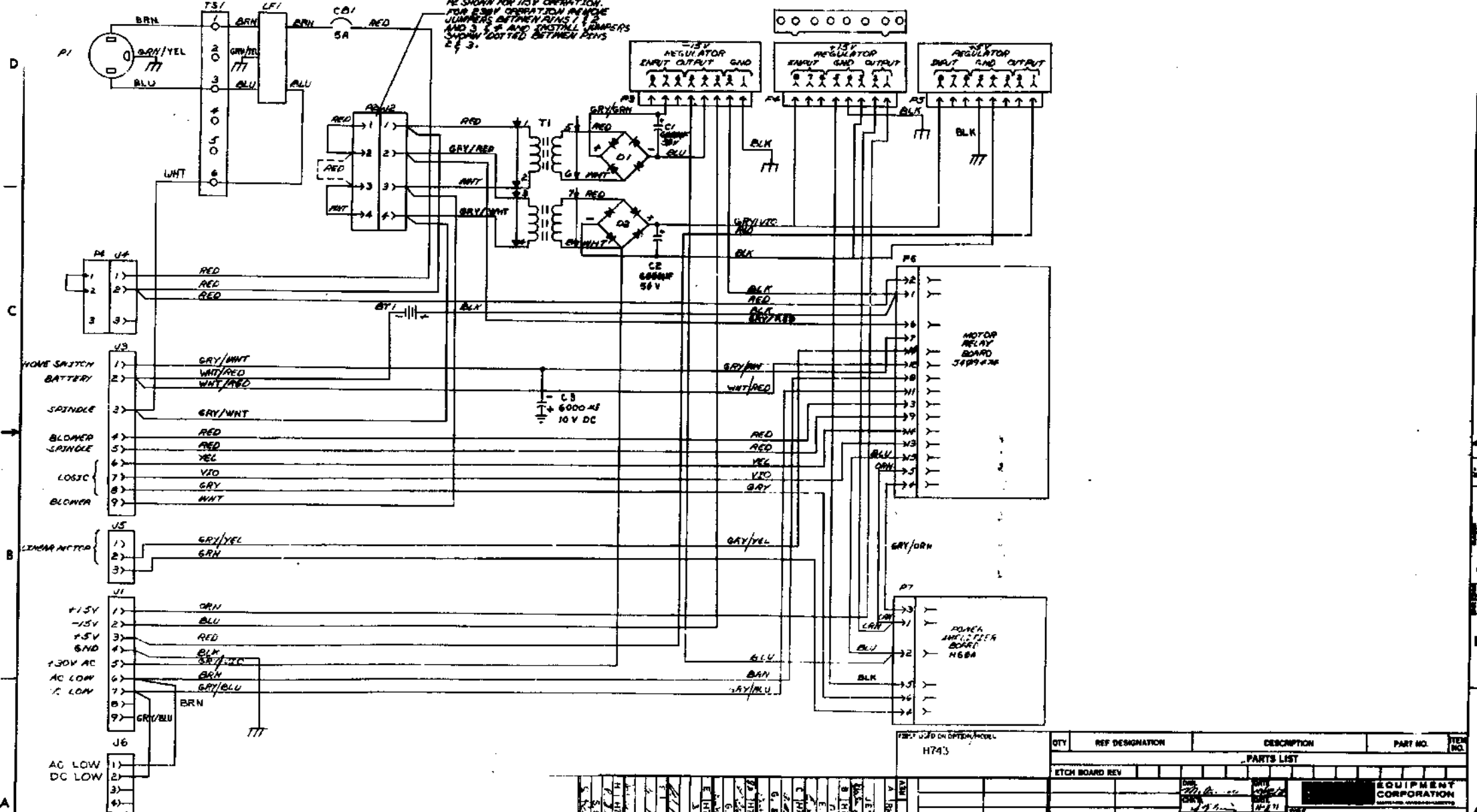
VARIATION	TITLE	PRINT SET TYPE			
H743-AA	POWER SUPPLY 115V	X			
H743-AB	POWER SUPPLY 230V	X			

REVISE		DATE	CHG. NO.	REV
		08/01/72	HK05-19	A
		8/72	H743-1	B
		3/10/72	H743-2	C
		5/10/72	H743-3	D
		8/72	H743-4	E
		5/10/72	H743-5	F
		2-74	H743-6	H
		6-74	H743-7	J
		3-75	H743-10	K
		5-75	H743-11	L
		6-75	H743-12	M
		8-75	H743-13	N
		9-75	H743-14	P
		1-76	H743-15	R
		4-76	H743-16	S
		12-76	H743-17	T
		2-76	H743-18	U
		1-78	H743-19	V

USED ON OPTION/MODEL RKH5	DRN. J. FLEHING CHK'D <i>J. Flehing</i> PROJ ENG. <i>J. Flehing</i> PROD. <i>J. Flehing</i> FIELD SERV.	DATE 12/6/71 DATE 3-7-72 DATE 4/6/72 DATE 4/19/72 DATE	TITLE POWER SUPPLY (H743)	SIZE B	CODE DD	NUMBER H743-β	REV V	DIST 6
------------------------------	---	--	------------------------------	-----------	------------	------------------	----------	-----------

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RE SHOWN FOR 115V OPERATION. FOR 230V OPERATION REMOVE JUMPER BETWEEN PINS 1 & 2 AND INSTALL JUMPER BETWEEN PINS 2 & 3 AND INSTALL JUMPER BETWEEN PINS 2 & 3.

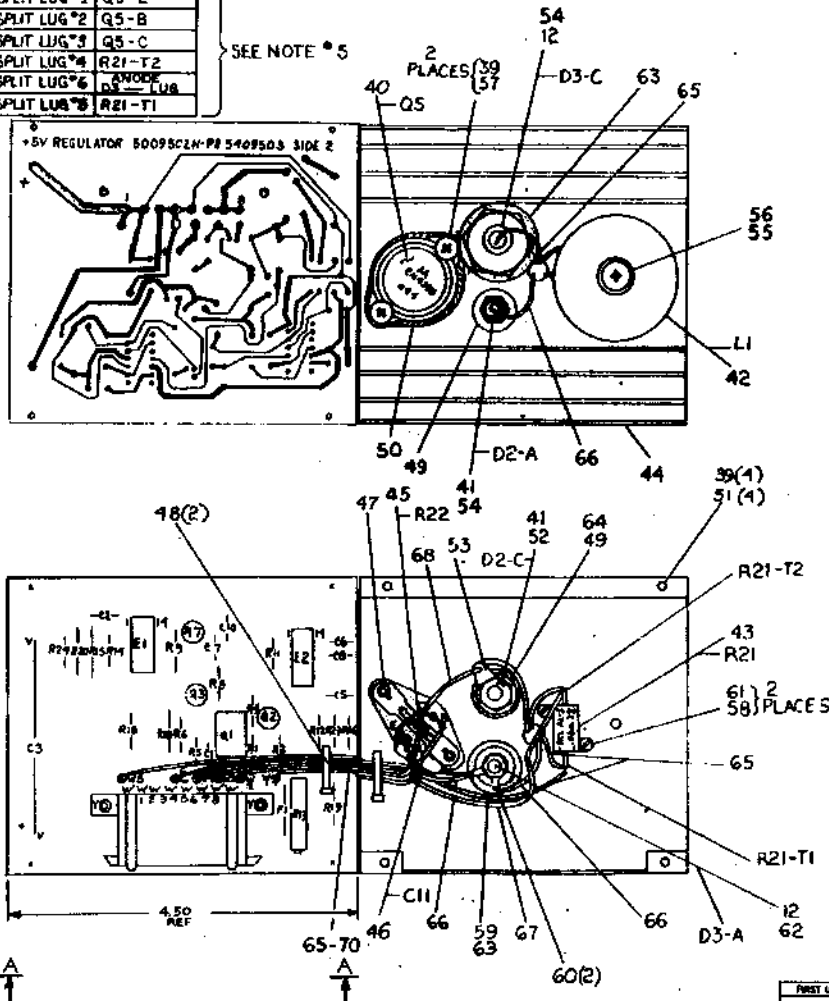
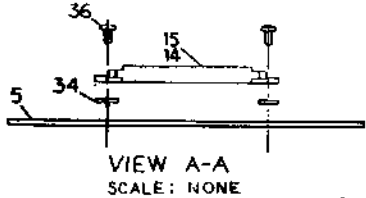


QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV				
EQUIPMENT CORPORATION				
CIRCUIT SCHEMATIC H743				
NEXT HIGHER ASSY B-DD-H743-0				
DEC NO	EIA NO	DEC NO	EIA NO	SCALE 12:1
SEMICONDUCTOR CONVERSION CHART				SHEET 1 OF 1
DDES H743-0-1				H

WIRE TABLE						EXTERNAL COMPONENTS								
ITEM NO.	AWG	COLOR	LENGTH	STRIP LENGTH-X	STRIP LENGTH-Y	FROM	TO	ITEM NO.	LENGTH	DESCRIPTION	POL.	CONNECTIONS FROM	TO	POL.
42		BLK	2 1/4"		1/2"	L1	D3 ANODE	45	NOTE #2	RES. 100 OHMS		Q5-E	Q5-B	
42		BLK	2 1/4"		1/2"	L1	R21-T2	46	NOTE #3	CARBOUR SQUARE		Q5-E	D3 ANODE LUG	
68	18	VIO	2 1/4"	1/2"	1/2"	Q5-C	D3 ANODE							
66		GRN	4 1/4"	1/2"	1/2"	D2 ANODE	D3 ANODE LUG							
65		YEL	4 1/4"	1/2"	1/2"	D3 CATHODE	R21-T1							
70		WHT	4 1/4"	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	5 1/4"	1/2"	1/2"	SPLIT LUG #4	R21-T2							
66		GRN	5 1/4"	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							

NOTES:

- R13 IS USED FOR OUTPUT VOLTAGE ADJUSTMENT. R7 IS USED FOR OUTPUT CURRENT ADJUSTMENT.
- CUT LEADS OF RES. (R22) SO THERE IS 1/8" OF A LEAD LEFT ON BOTH ENDS. [R22]
- CUT LEADS OF CAR (C11) SO THERE IS 1/2" OF A LEAD LEFT ON BOTH ENDS. [C11]
- 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.
- 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.



SEE NOTE #5

IC TYPE	QND	+5V
QND AND BY ARE MINIMALLY PIN 7 AND 14 RESPECTIVELY EQUIVOCATIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1					REVISED DRAWING
2					REVISIONS

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
		PARTS LIST		
		ETCH BOARD REV H		
		G. MARINI	R21-T1	
		J. FLEMING	R21-T2	
		P. VANDERSON	R21-T1	
		P. VANDERSON	R21-T1	
		P. FAXIO	R21-T1	

2N 3882	SAME	
2N 4398		
D4506		
2N 4441		
DET 6534 D	MPS 6554	
IN 762 A	SAME	

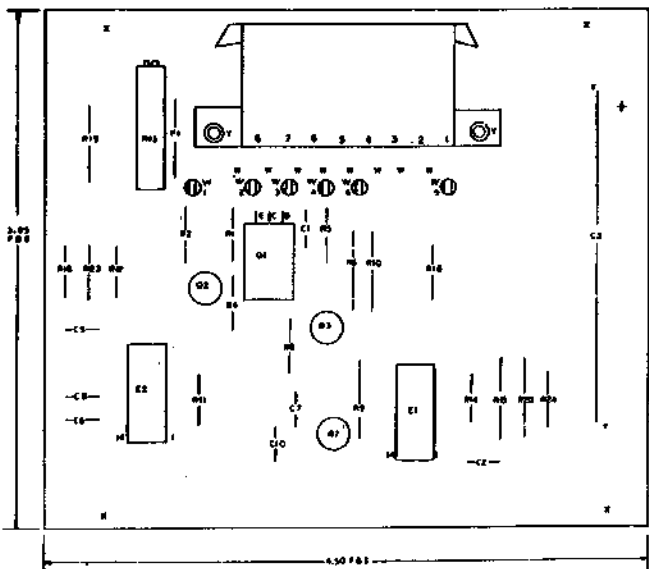
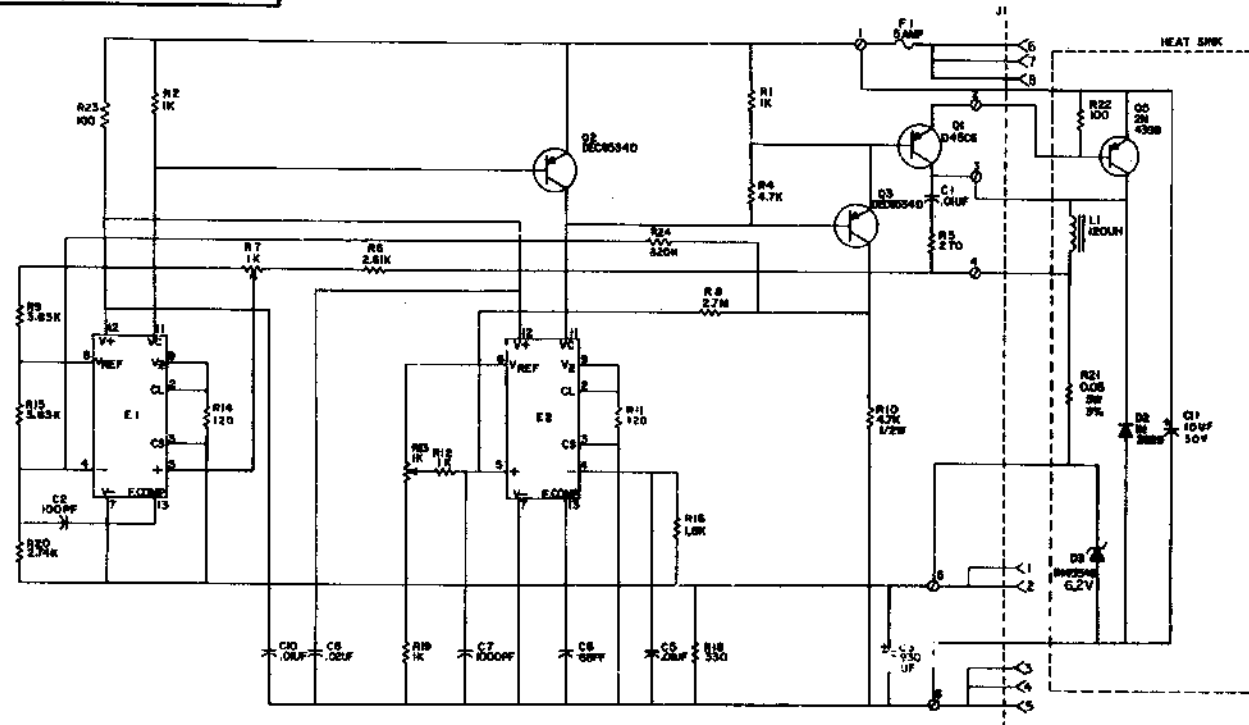
DEC NO	EIA NO	DEC NO	EIA NO

SEMICONDUCTOR CONVERSION CHART	
SCALE	NONE
UNIT	1 OF 1

EQUIPMENT CORPORATION	
+ 5 VOLT POWER REGULATOR	
DATE	DEC 1962
REV	1
ITEM NO.	DITA 5409503-0-0
REV	R

REPAIRS IS PERMITTED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE
 J1 AND PROVISIONS IN PARTIAL AND SHOULD BE TREATED ACCORDINGLY
 ABOUT 1971 BY AVIATION EQUIPMENT CORPORATION

1-0-EG800P 0



QTY	REQ DESIGNATION	DESCRIPTION	PART NO.	REV
1	Q1	TRANSISTOR 2N4339	1303870	40
1	Q2	TRANSISTOR 2N4339	1303870	40
1	D1	DIODE IN3593	1110481	41
1	R1	RES 100 1/4W 5%	1300210	45
1	R2	RES 100 1/4W 5%	1300210	45
1	R3	RES 100 1/4W 5%	1300210	45
1	R4	RES 100 1/4W 5%	1300210	45
1	R5	RES 100 1/4W 5%	1300210	45
1	R6	RES 100 1/4W 5%	1300210	45
1	R7	RES 100 1/4W 5%	1300210	45
1	R8	RES 100 1/4W 5%	1300210	45
1	R9	RES 100 1/4W 5%	1300210	45
1	R10	RES 100 1/4W 5%	1300210	45
1	C1	CAP 100UF 50V	1000070	46
1	C2	CAP 100UF 50V	1000070	46
1	C3	CAP 100UF 50V	1000070	46
1	C4	CAP 100UF 50V	1000070	46
1	C5	CAP 100UF 50V	1000070	46
1	C6	CAP 100UF 50V	1000070	46
1	C7	CAP 100UF 50V	1000070	46
1	C8	CAP 100UF 50V	1000070	46
1	J1	CONNECTOR AMP	1203070	14
1	F1	FUSE 5Amps	1203070	13
1	D1	DIODE IN3593 62V	1110481	41
1	C1	CAP 100UF 50V -0 +20% DISC	1000004	41
1	C2	CAP 100UF 50V -10 +75% ELEC	1010503	10
1	C3	CAP 100UF 50V 20% DISC	1001610	4
1	C4	CAP 1000PF 100V 5%MICA	1000002	8
1	C5	CAP 100PF 100V 5% DM	1000016	7
1	C6	CAP 100PF 100V 5% DM	1000016	7
1		ETCH CIRCUIT BOARD	500502	4
1		MODULE ECD HISTORY	6-MS-5402502-9-1	4
1		ASSY/DRILLING HOLE LAYOUT	0-MS-5402502-9-1	3
1		X-Y COORDINATE HOLE LOCATION	K-00-5402502-9-1	2
1		+5V REGULATOR	0-IA-5402502-9-1	1

TRANSISTOR & DIODE CONVERSION CHART

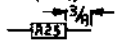
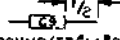
SYMBOL	DESCRIPTION	PART NO.
Q1	TRANSISTOR 2N4339	1303870
Q2	TRANSISTOR 2N4339	1303870
D1	DIODE IN3593	1110481
R1	RES 100 1/4W 5%	1300210
R2	RES 100 1/4W 5%	1300210
R3	RES 100 1/4W 5%	1300210
R4	RES 100 1/4W 5%	1300210
R5	RES 100 1/4W 5%	1300210
R6	RES 100 1/4W 5%	1300210
R7	RES 100 1/4W 5%	1300210
R8	RES 100 1/4W 5%	1300210
R9	RES 100 1/4W 5%	1300210
R10	RES 100 1/4W 5%	1300210
C1	CAP 100UF 50V	1000070
C2	CAP 100UF 50V	1000070
C3	CAP 100UF 50V	1000070
C4	CAP 100UF 50V	1000070
C5	CAP 100UF 50V	1000070
C6	CAP 100UF 50V	1000070
C7	CAP 100UF 50V	1000070
C8	CAP 100UF 50V	1000070
J1	CONNECTOR AMP	1203070
F1	FUSE 5Amps	1203070
D1	DIODE IN3593 62V	1110481
C1	CAP 100UF 50V -0 +20% DISC	1000004
C2	CAP 100UF 50V -10 +75% ELEC	1010503
C3	CAP 100UF 50V 20% DISC	1001610
C4	CAP 1000PF 100V 5%MICA	1000002
C5	CAP 100PF 100V 5% DM	1000016
C6	CAP 100PF 100V 5% DM	1000016

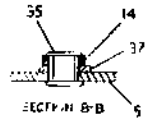
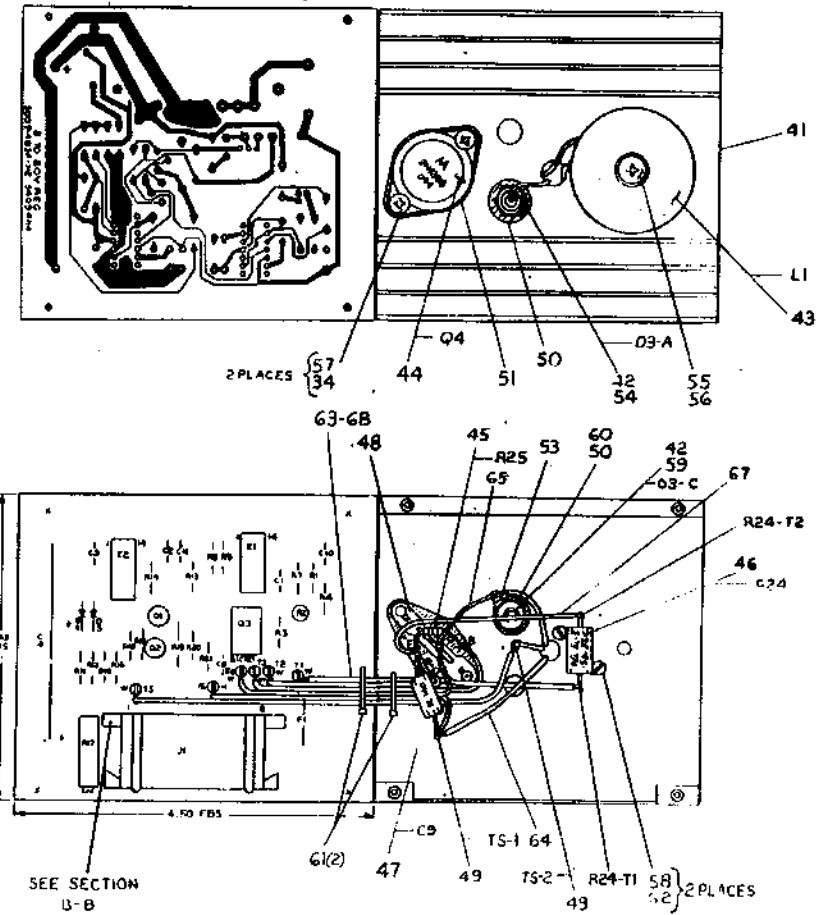
EQUIPMENT CORPORATION 5409803-0-1

WIRE TABLE						EXTERNAL COMPONENTS					
ITEM NO.	DESCRIPTION	LENGTH INCHES	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 TS-2	43	SEE NOTE 2	RES 100 Ω 1/4W 5%	—	Q4-E	Q4-B
43	BLK	2 1/8	—	1/2	L1 TS-2	47	SEE NOTE 3	CAP 100 μF 50V 10%	—	Q4-E	TS-1
63	BLU	2 1/4	1/2	1/2	Q4-C						
67	GRY	3 5/8	1/2	1/2	Q4-E	R24-T2					
64	GRN	4 1/2	1/2	1/2	DS-ANODE	TS-1					
68	WHT	3 7/8	1/2	1/2	SPLIT WIRE	R24-T1					
67	GRY	4 7/8	1/2	1/2	#2	Q4-E					
66	VIO	5 1/5	1/2	1/2	#3	Q4-B					
65	BLU	5 1/8	1/2	1/2	#4	Q4-C					
64	GRN	5 1/2	1/2	1/2	#6	TS-1					
63	YEL	6 7/8	1/2	1/2	SPLIT WIRE	TS-2					

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.

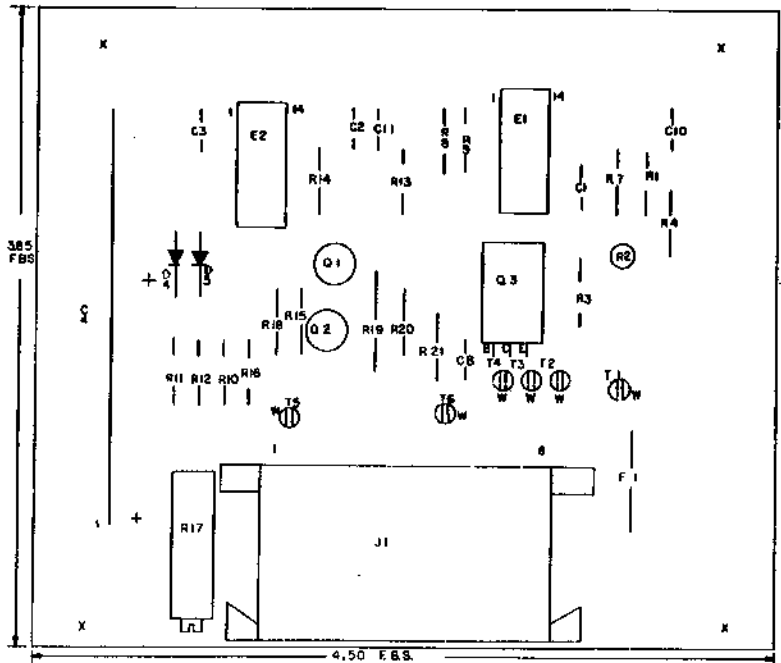
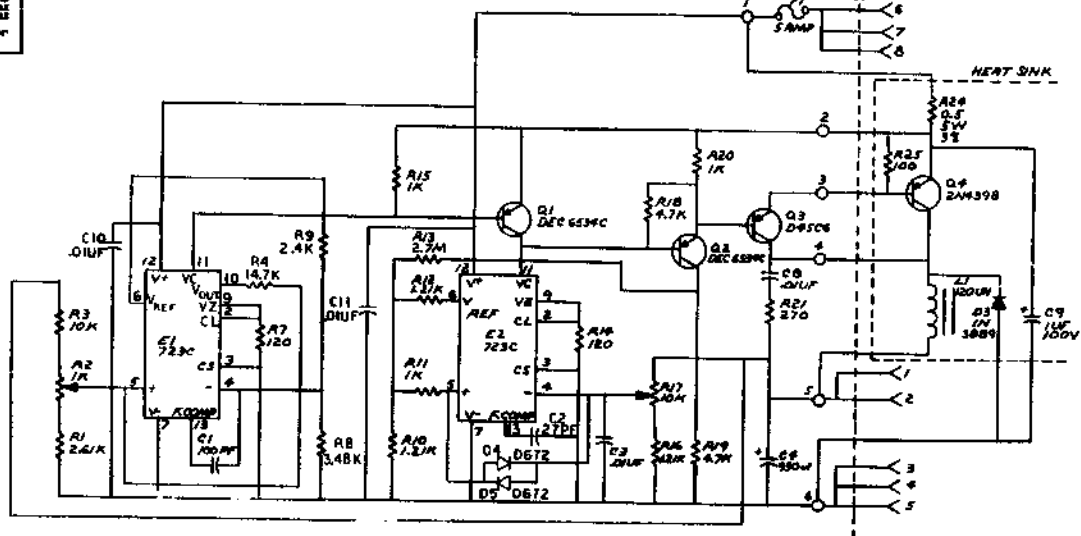


QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.																				
PARTS LIST																								
ETCH BOARD REV																								
<table border="1"> <tr> <td>DESIGNED BY</td> <td>T. GULLIN</td> <td>DATE</td> <td>7-27-71</td> </tr> <tr> <td>CHECKED BY</td> <td>J. FLEMING</td> <td>DATE</td> <td>8-2-71</td> </tr> <tr> <td>APPROVED BY</td> <td>P. SVENDSEN</td> <td>DATE</td> <td>8-2-71</td> </tr> <tr> <td>APPROVED BY</td> <td>P. SVENDSEN</td> <td>DATE</td> <td>8-2-71</td> </tr> <tr> <td>APPROVED BY</td> <td>P. FAZI</td> <td>DATE</td> <td>8-2-71</td> </tr> </table>					DESIGNED BY	T. GULLIN	DATE	7-27-71	CHECKED BY	J. FLEMING	DATE	8-2-71	APPROVED BY	P. SVENDSEN	DATE	8-2-71	APPROVED BY	P. SVENDSEN	DATE	8-2-71	APPROVED BY	P. FAZI	DATE	8-2-71
DESIGNED BY	T. GULLIN	DATE	7-27-71																					
CHECKED BY	J. FLEMING	DATE	8-2-71																					
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APPROVED BY	P. SVENDSEN	DATE	8-2-71																					
APPROVED BY	P. FAZI	DATE	8-2-71																					
NEXT HIGHER ASSY			D-UA-H737-0-0																					
SEMICONDUCTOR CONVERSION CHART			<table border="1"> <tr> <td>SCALE</td> <td>NONE</td> </tr> <tr> <td>SHEET</td> <td>1 OF 1</td> </tr> </table>		SCALE	NONE	SHEET	1 OF 1																
SCALE	NONE																							
SHEET	1 OF 1																							
EQUIPMENT CORPORATION		<table border="1"> <tr> <td>TITLE</td> <td>8 TO 2V REGULATOR</td> </tr> <tr> <td>NUMBER</td> <td>DIA 5409484-0-0</td> </tr> <tr> <td>REV</td> <td>K</td> </tr> </table>			TITLE	8 TO 2V REGULATOR	NUMBER	DIA 5409484-0-0	REV	K														
TITLE	8 TO 2V REGULATOR																							
NUMBER	DIA 5409484-0-0																							
REV	K																							

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 STATE OF BUREAU, GOVERNMENT CONTRACTORS, AND
 THE USE OF MATERIALS IS LIMITED TO THAT WHICH IS
 SPECIFIED IN THE DRAWING AND THE MANUFACTURE OF WHICH
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 THIS DRAWING IS UNCLASSIFIED DATE 05/11/2010 BY 60322 UCBAW/STP

8 7 6 5 4 3 2 1
 K 5409484-0-1 DCS 2



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	REV.	
1	A4	WASHER LOCK SPRING	9007801	59	
1	A/A	WIRE #18 AWG STRD (WHY)	907360-99	60	
1	A/A	WIRE #18 AWG STRD (GRY)	907360-88	61	
1	A/A	WIRE #18 AWG STRD (W/O)	907360-77	62	
1	A/A	WIRE #18 AWG STRD (BLU)	907360-86	63	
1	A/A	WIRE #18 AWG STRD (LWN)	907360-55	64	
1	A/A	WIRE #18 AWG STRD (RED)	907360-44	65	
2	E	#2 INTERNAL LOCK WASHER	9006431	66	
1	2	TIC WASHR	9007031	67	
1	1	WASHER FLAT 3/16	9006428	68	
1	1	#10-32 HEX NUT	9006364	69	
2	2	21547 3/16" SCREW	9006000-4	70	
2	2	6132 3/8" PHX HD SCREW	9006023-7	71	
1	1	10-32 1/2" TRUSS HD SCREW	9006077-2	72	
1	1	#6 INTERNAL LOCK WASHRA	9006432	73	
1	1	BUSHING (BODE)	9008441	74	
1	1	SOLDER LUG	9008170	75	
4	4	#6-20 X 1/2 SELF TAPPING SCREW	9008407-01	76	
1	1	THERMAL INSULATOR	9008619	77	
2	2	TS-1, IS-2	9009080	78	
1	1	STRAP OF (STUD TYPE)	9009080	79	
1	1	TRANSISTOR SOCKET	1210130	80	
1	1	CAP TUF 100V	1003307	81	
1	1	RES. 0.5 33 5W	1303308	82	
1	1	RES. 100 5% 1/8W	1300229	83	
1	1	Q3	TRANSISTOR 2N4338	1505870	84
1	1	120UN CHOK	150073	85	
1	1	Q3	DIODE 1N3869	1100891	86
1	1	HEAT SINK	20-28-305453-0-0	87	
6	6	SPLIT LENS	9006733	88	
1	A/A	THERMAL COMPOUND	9008268	89	
1	1	F1	FUSE 5 AMPS	1209070	90
2	2	WASHER NYLON	9006707	91	
1	1	CONNECTOR PINS	1204656	92	
4	4	EYELET	9006732	93	
4	4	WASHER INT 700TH #6	9006433	94	
2	E1,2	DIA REGULATOR 723C	1910815	95	
1	1	Q3	TRANSISTOR 6AS6	1510818	96
2	2	Q1,2	TRANSISTOR DEC 6554C	1503409-02	97
1	1	A21	RES 270 1/4W 5%	1301372	98
1	1	A19	RES 4.7K 1/8W 5%	1300445	99
1	1	A18	RES 4.7K 1/4W 5%	1300447	100
1	1	A17	RES VARIABLE 10K 3/4W 10%	2309743-10	101
1	1	A13	RES 3.7M 1/4W 5%	1309680	102
2	2	A11,15,20	RES 1K 1/4W 5%	1300363	103
3	3	A10,12,16	RES 1.2M 1/8W 1% MF	1302871	104
1	1	A8	RES 3.48K 1/8W 1% MF	1305114	105
2	2	A3,14	RES 120 1/4W 5%	1300247	106
1	1	A9	RES 2.4K 1/4W 5%	1303177	107
1	1	R4	RES 14.7K 1/8W 1% MF	1302941	108
1	1	A3	RES 10K 1/8W 1% MF	1303312	109
1	1	A2	RES VARIABLE 1K 1/2W	1309150-03	110
1	1	A1	RES 2.6K 1/8W 1% MF	1302303	111
1	1	J1	AMP 8 PIN CONNECTOR (MIL-STD-209340-00)	1209340-00	112
2	2	D4, D5	DIODE D672	1105275	113
				114	
				115	
1	1	C4	CAP. 430UF 30V, 10 +75 %	1000509	116
4	4	C3, 8,10,11	CAP. .01UF 100V20% AXIAL	1001810	117
1	1	C2	CAP. 27 PF 100V 5% MICA	1001739	118
1	1	C1	CAP. 100PF 100V 5% GM	1000016	119
1	1		ETCHED CIRCUIT BOARD	9009483	120
			MODULE ECO HISTORY	9-WH-5003484-06	121
			ASSY DRILLING HOLE LAYOUT	9-WH-5003484-05	122
			X-COORDINATE HOLE LOCATION	9-WH-5003484-04	123
			B TO 20 V REGULATOR	9-WH-5003484-03	124

REV.	CHG	OWNER NO.	REV.
1	1	00005	11
2	1	11/17/72	11
3	1	11/17/72	11
4	1	11/17/72	11

TITLE: 8 TO 20V REGULATOR
 SHEET: 1 OF 1
 DCS 5409484-0-1
 K

PKAS,C RUN NAME	APP200.V34(62)-1 A/P P/N NAME	31-JUL-75 ORDER PIN	RAY * ORDER	Q	OPAW OPT	RV RC Y	X Z	REMARKS	2-JUN-76	#156 NC FLAG	PAGE 9 LENGTH EXCEPTIONS	RUN NUMBER
SELECT 3	L	AP812	1-01 *			005-3	2					91
SELECT 3	L	AP712	1-02 *			005-3	1			1		91
SELECT 3	L	AP2V2	1-03 *			005-3				5-7/8		91
SELECT 3	L		1							6-7/8		91
SELECT 4	L	AP8M2	1-01 *			005-3	2			1		92
SELECT 4	L	AP7M2	1-02 *			005-3	1			5		92
SELECT 4	L	AP2V2	1-03 *			005-3				6-8/8		92
SELECT 4	L		1									92
SELECT/READY	L	AP1M2	1-01 *			005-1	1			2-3/8		93
SELECT/READY	L	AP4V1	1-02 *			005-1	2			2-2/8		93
SELECT/READY	L	AP2H1	1-03 *			005-1				4-5/8		93
SELECT/READY	L		1									93
SELECTED READ GATE	H	AP1M1	1-01 *			005-9	1			1-3/8		94
SELECTED READ GATE	H	AP2F2	1-02 *			005-9				1-3/8		94
SELECTED READ GATE	H		1									94
SELECTED WRITE GATE	H	AP1V1	1-01 *			005-1	1			1-2		95
SELECTED WRITE GATE	H	AP2V2	1-02 *			005-1				1-2/8		95
SELECTED WRITE GATE	H		1									95
SET UNSAFE	L	AP1U2	1-01 *			005-1	1			2-2/8		96
SET UNSAFE	L	AP4A1	1-02 *			005-1						96
SET UNSAFE	L		1							2-2/8		96
SIN POSITION	H	AP5M1	1-01 *			005-9	1			2-5/8		97
SIN POSITION	H	AP6D1	1-02 *			005-9				2-5/8		97
SIN POSITION	H		1									97
STROBE	L	AP2V1	1-01 *			005-2	1			4-1/8		98
STROBE	L	AP7M1	1-02 *			005-2	2			1		98
STROBE	L	AP8M1	1-03 *			005-2						98
STROBE	L		1							5-1/8		98
UNSAFE	L	AP1F2	1-01 *			005-1	1			2-5/8		99
UNSAFE	L	AP3V2	1-02 *			005-1						99
UNSAFE	L		1							2-5/8		99
WRITE DATA + CLR	H	AP1J1	1-01 *			005-1	1			3-7/8		100
WRITE DATA + CLR	H	AP7F2	1-02 *			005-1	2			1		100
WRITE DATA + CLR	H	AP8V2	1-03 *			005-1						100
WRITE DATA + CLR	H		1							4-7/8		100
WRITE GATE	L	AP1J2	1-01 *			005-1	1			4-6/8		101
WRITE GATE	L	AP7L2	1-02 *			005-1	2			1		101
WRITE GATE	L	AP8L2	1-03 *			005-1						101
WRITE GATE	L		1							5-6/8		101
WRITE PROTECT SET	L	AP2S1	1-01 *			005-3	1			3-3/8		102
WRITE PROTECT SET	L	AP7R2	1-02 *			005-3	2			1		102
WRITE PROTECT SET	L	AP8R2	1-03 *			005-3						102
WRITE PROTECT SET	L		1							4-3/8		102

PKAS,C RUN NAME	APP200.V34(62)-1 A/P P/N NAME	31-JUL-75 ORDER PIN	RAY * ORDER	Q	OPAW OPT	RV RC Y	X Z	REMARKS	2-JUN-76	#156 NC FLAG	PAGE 10 LENGTH EXCEPTIONS	RUN NUMBER
WRITE SX OFF	L	AP6S1	1-01 *			005-7	1			3-3/8		103
WRITE SX OFF	L	AP4F1	1-02 *			005-7				3-3/8		103
WRITE SX OFF	L		1									103
WRITE SX ON	L	AP6M1	1-01 *			005-7	1			3-3/8		104
WRITE SX ON	L	AP4F1	1-02 *			005-7				3-3/8		104
WRITE SX ON	L		1									104
WRITING INH	H	AP2D1	1-01 *			005-5	1			3-2/8		105
WRITING INH	H	AP6F1	1-02 *			005-5						105
WRITING INH	H		1							3-2/8		105

PARALLEL RUN NAME	APP288.V34(02)=1 A/P PT NAME	31-Jul-75 ORDER PIN	RAY = ORDER	Q	ORAN OPT	PV RG Y	X Z	REMARKS	2-Jun-76	DISC VC FLAG	PAGE 5 LENGTH EXCEPTIONS	NUM- NUMBER
GND 26	A0602		1-21 *				1				2-1/8	47
GND 26	A0611		1-22 *				2				1-5/8	47
GND 26	A0602		1-23 *			025-9	1				0-1/8	47
GND 26	A0601		1-24 *			025-9	2				0-4/8	47
GND 26	A0601		1-25 *			025-9	1				0-5/8	47
GND 26	A0611		1-26 *			025-9	2				1-4/8	47
GND 26	A0611		1-27 *			025-9	1				0-1/8	47
GND 26	A0601		1-28 *			025-9					7-0/8	47
GND 26												47
GND 27	A0702		1-29 *				1				0-1/8	48
GND 27	A0702		1-30 *				2				1-5/8	48
GND 27	A0701		1-31 *				1				0-1/8	48
GND 27	A0701		1-32 *				2				0-1/8	48
GND 27	A0701		1-33 *				1				0-1/8	48
GND 27	A0701		1-34 *				2				0-1/8	48
GND 27	A0701		1-35 *				1				0-1/8	48
GND 27	A0701		1-36 *				2				1-3/8	48
GND 27	A0702		1-37 *				1				0-1/8	48
GND 27	A0702		1-38 *				2				0-1/8	48
GND 27	A0701		1-39 *				1				1-7/8	48
GND 27	A0701		1-40 *				2				0-4/8	48
GND 27	A0702		1-41 *				1				0-4/8	48
GND 27	A0702		1-42 *				2				0-4/8	48
GND 27	A0701		1-43 *				1				0-4/8	48
GND 27	A0702		1-44 *								0-7/8	48
GND 27												48
GND 28	A0802		1-45 *				1				0-1/8	49
GND 28	A0802		1-46 *				2				1-5/8	49
GND 28	A0801		1-47 *				1				0-1/8	49
GND 28	A0801		1-48 *				2				0-1/8	49
GND 28	A0801		1-49 *				1				0-1/8	49
GND 28	A0801		1-50 *				2				0-1/8	49
GND 28	A0801		1-51 *				1				0-1/8	49
GND 28	A0801		1-52 *				2				1-3/8	49
GND 28	A0802		1-53 *				1				0-1/8	49
GND 28	A0802		1-54 *				2				0-1/8	49
GND 28	A0801		1-55 *				1				1-7/8	49
GND 28	A0801		1-56 *				2				0-6/8	49
GND 28	A0801		1-57 *				1				0-6/8	49
GND 28	A0802		1-58 *								0-7/8	49
GND 28												49
GND STROFF	L	A02F1	1-01 *			025-5	1				1-1/8	50
GND STROFF	L	A04D1	1-02 *			025-5					1-1/8	50
GND STROFF	L										1-1/8	50
HEAD SELECT	L	A01P1	1-01 *			025-1	1				5-2/8	51
HEAD SELECT	L	A07M2	1-02 *			025-1	2				1	51
HEAD SELECT	L	A08M2	1-03 *			025-1					1	51
HEAD SELECT	L										0-2/8	51
HIGH DENSITY	L	A01P2	1-01 *			025-4	1				4-3/8	52
HIGH DENSITY	L	A07P2	1-02 *			025-4	2				1	52
HIGH DENSITY	L	A08P2	1-03 *			025-4					1	52
HIGH DENSITY	L										5-3/8	52

PARALLEL RUN NAME	APP288.V34(02)=1 A/P PT NAME	31-Jul-75 ORDER PIN	RAY = ORDER	Q	ORAN OPT	PV RG Y	X Z	REMARKS	2-Jun-76	DISC VC FLAG	PAGE 6 LENGTH EXCEPTIONS	NUM- NUMBER
MOVE	L	A04R1	1-01 *			025-7	2				2-1/8	53
MOVE	L	A03R1	1-02 *			025-7	1				2-3/8	53
MOVE	L	A06F1	1-03 *			025-7					1-4/8	53
MOVE	L										1-4/8	53
INDEX PULSE	L	A02G2	1-01 *			025-3	1				1-4/8	54
INDEX PULSE	L	A04J1	1-02 *			025-3					1-4/8	54
INDEX PULSE	L										1-4/8	54
INDEX/SECTOR	L	A02D1	1-01 *			025-5	1				1-7/8	55
INDEX/SECTOR	L	A04H2	1-02 *			025-5					1-7/8	55
INDEX/SECTOR	L										1-7/8	55
INNER LIMIT	H	A05R1	1-01 *			025-2	1				3-3/8	56
INNER LIMIT	H	A03J1	1-02 *			025-2	2				2-3/8	56
INNER LIMIT	H	A02J1	1-03 *			025-2					0-0/8	56
INNER LIMIT	H										0-0/8	56
INTERLOCK	L	A04H1	1-01 *			025-7	1				1-7/8	57
INTERLOCK	L	A06F1	1-02 *			025-7					1-7/8	57
INTERLOCK	L										1-7/8	57
LIMIT	H	A05L1	1-01 *			025-9	1				3-3/8	58
LIMIT	H	A06H1	1-02 *			025-9					3-3/8	58
LIMIT	H										3-3/8	58
LOAD HEADS	L	A04C1	1-01 *			025-6	1				1	59
LOAD HEADS	L	A04C1	1-02 *			025-6					1-2/8	59
LOAD HEADS	L										1-2/8	59
LOAD IND	H	A04T1	1-01 *			025-4	1				1-7/8	60
LOAD IND	H	A06K1	1-02 *			025-4					1-7/8	60
LOAD IND	H										1-7/8	60
LOAD SH	L	A06F1	1-01 *			025-7	1				3-3/8	61
LOAD SH	L	A04D1	1-02 *			025-7					3-3/8	61
LOAD SH	L										3-3/8	61
MOVE	L	A03L1	1-01 *			025-2	1				4-1/8	62
MOVE	L	A02P1	1-02 *			025-2					4-1/8	62
MOVE	L										4-1/8	62
NO PROTECT	L	A01N2	1-01 *			025-1	1				3-5/8	63
NO PROTECT	L	A04K1	1-02 *			025-1					3-5/8	63
NO PROTECT	L										3-5/8	63
ODD DRIVE	L	A02J2	1-01 *				1				3-1/8	64
ODD DRIVE	L	A03P2	1-02 *								3-1/8	64
ODD DRIVE	L										3-1/8	64
ON	L	A02A1	1-01 *			025-5	1				2-1/8	65
ON	L	A03M1	1-02 *			025-5					2-1/8	65
ON	L										2-1/8	65