

- NOTES**
1. LOWER HEAD (ITEM 65) SHALL BE POSITIONED REARWARDS AGAINST PIN IN CARRIAGE
 2. ALL SCREWS TO BE TIGHTENED AS FOLLOWS
 4-40 SCREW, TORQUE 35 ± 5 IN LBS
 6-32 " " " 50 ± 10 " "
 8-32 " " " 100 ± 10 " "
 10-32 " " " 180 ± 20 " "
 3. DRIVE BELT TENSION 100 ± 10 LBS.
 4. 4-40 HEAD MOUNTING BOLTS TO BE TIGHTENED TO 51.5 IN LBS.
 5. TORQUE 8-32 SELF TAPPING HARDWARE (ITEM 69) TO 6 IN LBS.
 6. BLOWER HOUSING SECURING HARDWARE TO BE REMOVED BEFORE OPERATING UNIT.

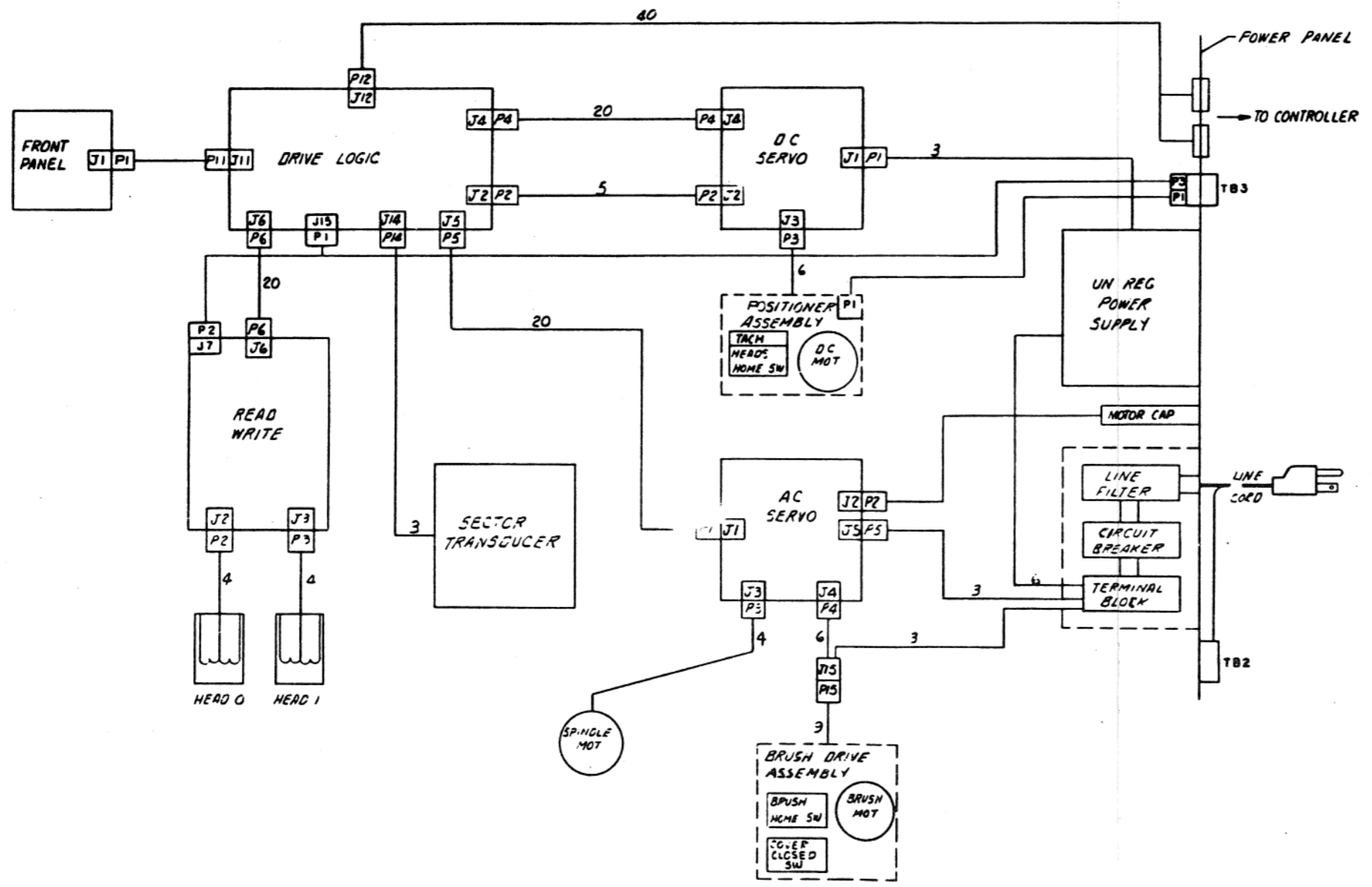
- 69 (9006015)
- 69 (9006072-0)
- 71 (9009023-00)
- 69 (9006418-01)
- SEE NOTES 5 AND 6

REV	DESCRIPTION	DATE	BY	CHKD
1	ASSEMBLY			
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			
6	REVISION			
7	REVISION			
8	REVISION			
9	REVISION			
10	REVISION			

CAUTION
 OFF-SHEET PARTS LIST EXISTS.
 SEE K-PL-RL02-0-DBP (Z0485).

REV	DESCRIPTION	DATE	BY	CHKD
1	ASSEMBLY			
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			
6	REVISION			
7	REVISION			
8	REVISION			
9	REVISION			
10	REVISION			

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REV	
CHG	
CHK	

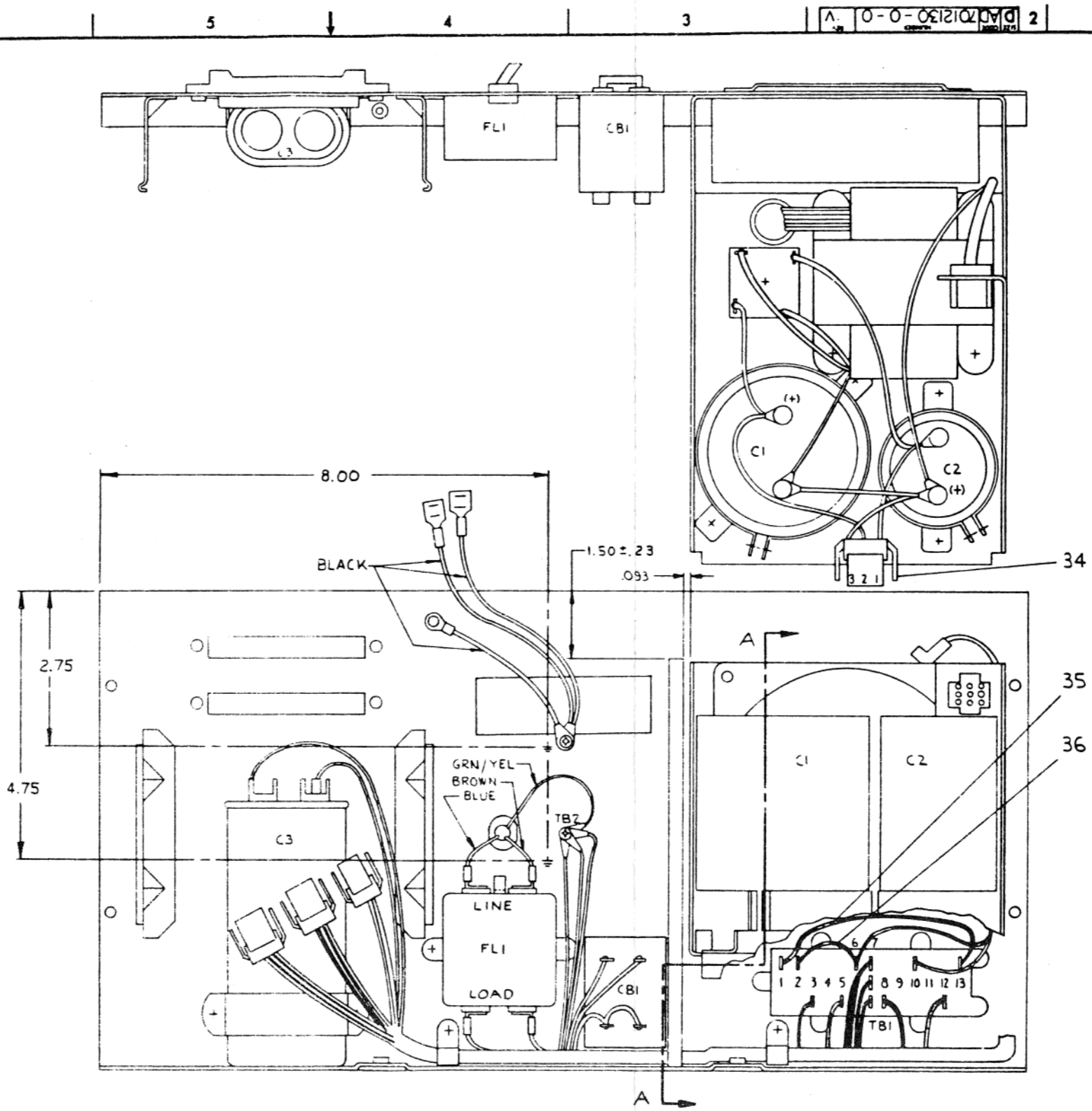
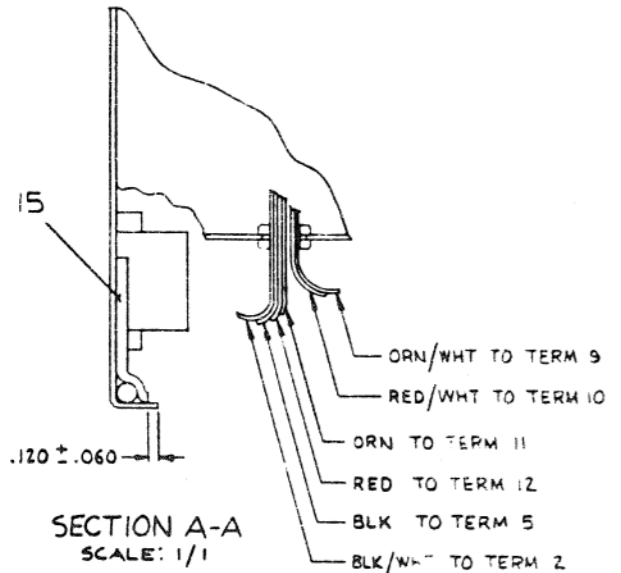
THIRD ANGLE PROJECTION	DESCRIPTION	DWG. PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
RESOLVE BURRS AND BREAK SHARP CORNERS	CLASS OF ACCURACY	NORMAL DIMENSION RANGE INCHES	
	PROL. ENG.	UNDER 1/4	1/4 TO 1/2
DO NOT SCALE DWG	ENG.	1/2 TO 1	1 TO 2
MATERIAL	PROD.	2 TO 4	4 TO 6
FINISH	NEXT HIGHER ASSY.	6 TO 12	12 TO 24
	B-00-RL02-0	24 TO 48	48 TO 96
SCALE	SIZE	CODE	NUMBER
SHEET 2 OF 2	D	IC	RL02-0-3
			REV C

D AD 7012130 - 0 - 0 2

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NOTES:

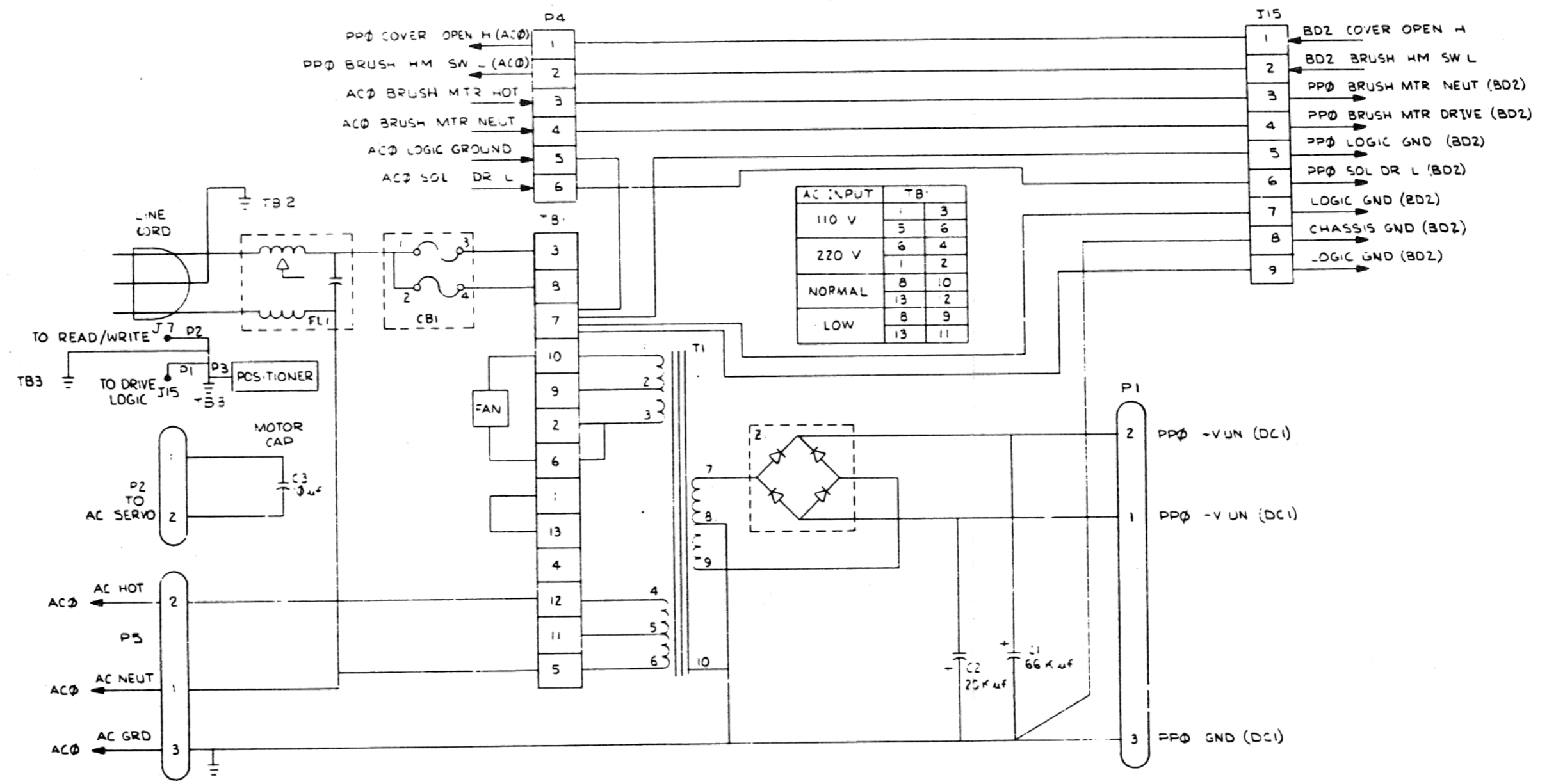
1. INPUT VOLTAGE 50 OR 60 HZ
90-110, 105-128 VAC
180-220, 210-256 VAC
2. OUTPUT VOLTAGE ± 11.5 VDC MIN AT MIN POINT OF THE RIPPLE, 8 VDC MAX AT HIGH LINE. (MAX OF 25 VDC AT HIGH LINE NO LOAD).
3. OUTPUT CURRENT: POSITIVE OUTPUT
2.5 AMP CONTINUOUS
3.5 AMP PULSE "25 MS"
NEGATIVE OUTPUT
.25 AMP CONTINUOUS
3.5 AMP PULSE "25 MS"
PULSE CURRENT ON ALTERNATE OUTPUT AT A 65 MS OUT CYCLE.
4. OUTPUT RIPPLE AT 110 VOLTS
A. NO LOAD 100 mV P/P
B. +2.5 A 600 mV P/P
 -.25 A 300 mV P/P
C. +2.5 A 600 mV P/P
 -3.75 A 1.5 V DURING PULSE
RIPPLE AT 90 V RMS
+2.5 A 500 mV
-3.75 A 2 V
+6 A 900 mV
-.25 A 400 mV
5. HIGH POT TEST PER UL 478
CONNECT BOTH AC LEADS TO THE POSITIVE TERMINAL OF THE SUPPLY AND GRN WIRE GROUND TO THE NEGATIVE TERMINAL OF THE SUPPLY. CLOSE CIRCUIT BREAKER AND INCREASE VOLTAGE TO 1750 VDC, ANY CURRENT INDICATES FAILURE.



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	POWER PANEL ASSY	SIZE	D000	NUMBER		REV.	
SCALE	1/1	SHEET	2 OF 3	DIST.			

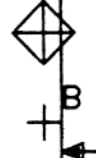
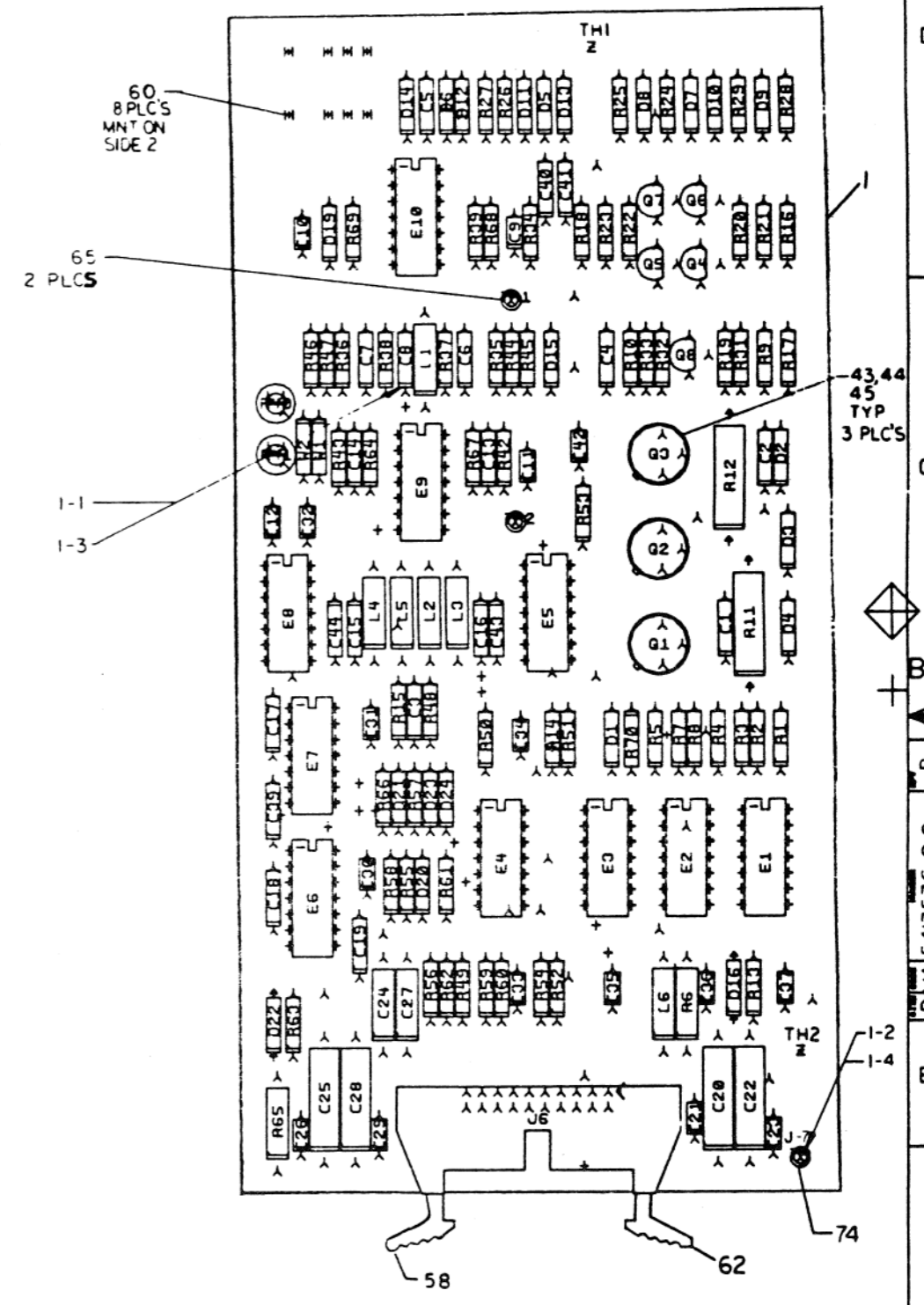
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REVISIONS		
CHK	CHANGE NO.	REV.

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COMPONENT SIDE VIEW



NOTES:

CHANGE NO	REV
5413536	B
DESIGNED BY	
CK'D BY	
DATE	

ETCH: REV. B
P.C. DESIGN DATA BASE REV. BL

SIGNATURES	DATE	digital
DRN. <i>[Signature]</i>	5/3/77	
CHK'D. <i>[Signature]</i>	5/3/77	TITLE RL02
ENG. <i>[Signature]</i>	5/11/77	READ/WRITE BOARD
PROJ. ENG. <i>[Signature]</i>	5/11/77	SCALE 2/1
PROD. <i>[Signature]</i>	7/12/78	SIZE CODE
		NUMBER
		REV
		8

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION *00	REFERENCE DESIGNATOR
1	1	D-MD-5013535-0-0	5013535-00	ETCHED CIRCUIT BD	1	
2	2		1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	17	C9-C12,C21,C23,C26,C29-C37,C42
3	3		1005306-00	6.8MFD 35V 10% S.TANT	4	C20,C22,C25,C28
4	4		1013466-14	82.0 MMF 50V 5% CER	2	C16,C43
5	5		1013466-06	100.0 MMF 50V 5% CER.	1	C8
6	6		1013466-05	56.0 MMF 50V 5% CER.	1	C5
7	7		1013466-07	220.0 MMF 50V 5% CER.	5	C1,C2,C4,C17,C39
8	8		1013466-09	1000.0 MMF 50V 10% CER.	1	C18
9	9		1013466-11	.22 MFD 50V +80/-20% CER.	2	C24,C27
10	10		1013466-15	1200.0 MMF 50V 5% CER.	3	C19,C40,C41
11	11		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	2	D16,D22
12	12		1113953-00	1N 5523D VZ= 5.1 1%	1	D1
13	13		1100122-00	1N 748A VZ= 3.9 5%	1	D19
14	14		1111577-00	1N 4454 TR= 4NS PIV= 50 S	11	D5-D10,D15,D20,D21,D23,D24
15	15		1300250-00	150.0 .25 W 5.0 % CC	1	R5
16	16		1300229-00	100.0 .25 W 5.0 % CC	5	R39,R52,R54,R59,R69
17	17		1300232-00	100.0 1.0 W 5.0 % CC	2	R11,R12
18	18		1300247-00	120.0 .25 W 5.0 % CC	1	R56
19	19		1300365-00	1.0 K .25 W 5.0 % CC	8	R13,R14,R35,R36,R48,R49,R66,R70
20	20		1300444-00	3.90 K .25 W 5.0 % CC	1	R46
21	21		1300447-00	4.70 K .25 W 5.0 % CC	3	R9,R10,R32
22	22		1301775-00	820.0 .25 W 5.0 % CC	1	R31
23	23		1301317-00	10.0 .25 W 5.0 % CC	1	R63
24	24		1302612-00	1.78 K 1/4W 1% RN55D-F 100PPM	2	R50,R51
25	25		1300195-00	33.0 .50 W 5.0 % CC	2	R6,R65
26	26		1304725-00	300 1/4W 1% RN55D-F 100PPM	1	R62
27	27		1312930-00	5.10 K .25 W 5.0 % CC	2	R55,R58
28	28		1301424-00	680.0 .25 W 5.0 % CC	4	R16,R18,R21,R23
29	29		1302391-00	20.0 K .25 W 5.0 % CC	1	R60
30	30		1300426-00	2.70 K .25 W 5.0 % CC	1	R33

REVISION HISTORY		BASIC PART NO: 13536		DRN:	JERRY BEST	DATE:	14-AUG-78	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	L. ROOHR	DATE:	14-AUG-78	TITLE PARTS LIST			
---	INIT	A	SECTION VARIATION INDEX	DES.ENG:	B. NOGUCHI	DATE:		DOCUMENT NUMBER			
HZ	5413536-CX001	B	[A] 00	RESP.ENG.:	B. NOGUCHI	DATE:	14-AUG-78	SIZE	CODE	NUMBER	REV
	M. Zappa w.c.k.		[B]	MFG.ENG.:	P. CHURCH	DATE:		K	PL	5413536-0-DBP	B
	17 Jan 80		[C]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[D]	D-UA-5413536-0-0		RL02		Z1091P.FLS		7	
			[E]								
			[F]								
			[G]								
			[H]								
			[I]								
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

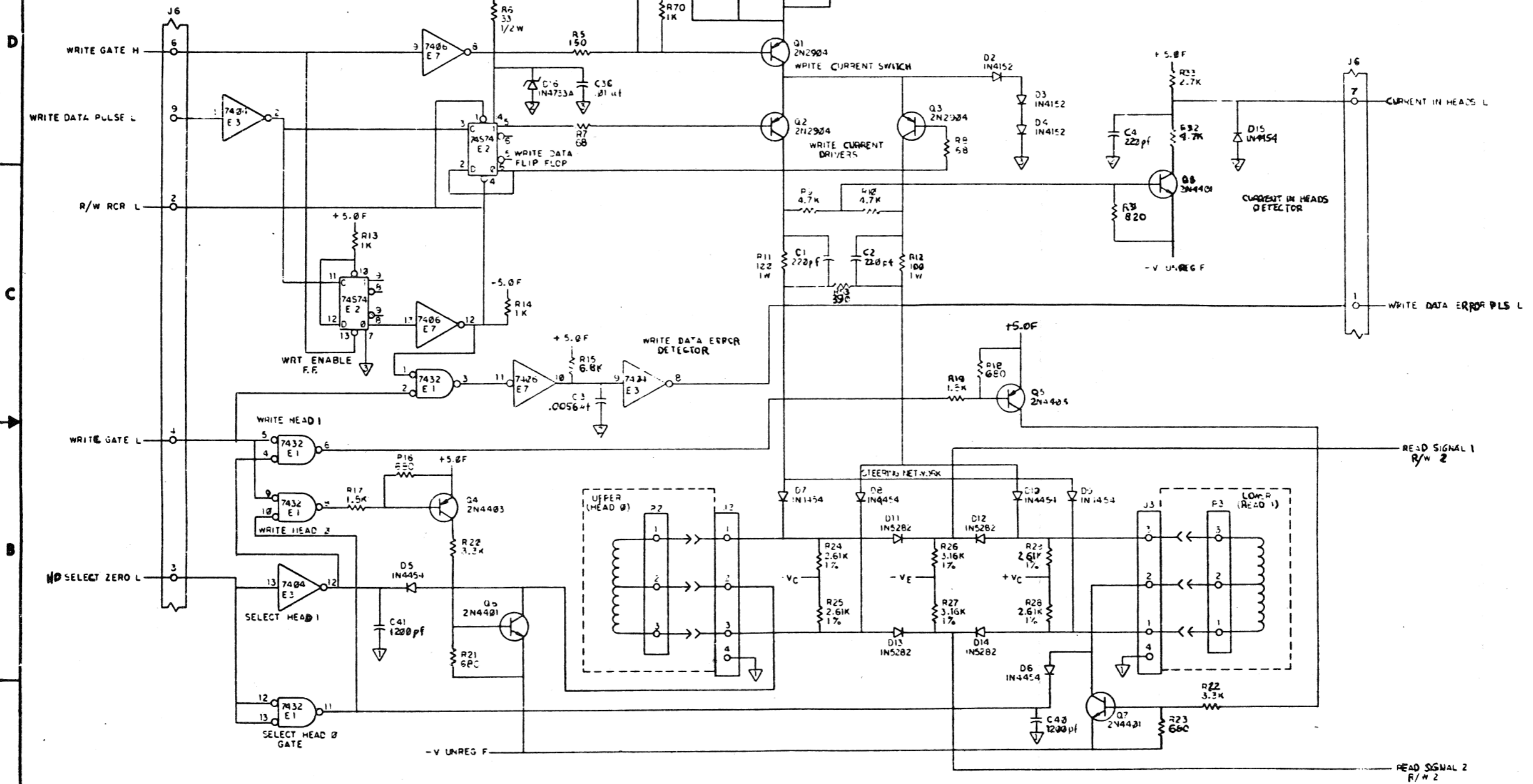
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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION *00	REFERENCE DESIGNATOR
31	31	1302956-00	196 1/4W 1% RN55D-F 100PPM	3	R2,R3,R4
32	32	1300439-00	3.30 K .25 W 5.0 % CC	2	R20,R22
33	33	1305143-00	825 1/4W 1% RN55D-F 100PPM	2	R44,R45
34	34	1303303-00	2.61 K 1/4W 1% RN55D-F 100PPM	4	R24,R25,R28,R29
35	35	1302645-00	1.1 K 1/4W 1% RN55D-F 100PPM	1	R61
36	36	1301477-00	82.0 .25 W 5.0 % CC	1	R68
37	37	1301322-00	180.0 .25 W 5.0 % CC	2	R37,R38
38	38	1313469-00	240.0 .25 W 5.0 % CC	1	R34
39	39	1303045-00	3.16 K 1/4W 1% RN55D-F 100PPM	2	R26,R27
40	40	1501913-00	2N 2904A PNP 600MW SI 60 40 Y	3	Q1-Q3
41	41	1513489-00	2N 4401 NPN 350MW SI 40 20	3	Q6-Q8
42	42	1513490-00	2N 4403 PNP 350MW SI-40 30	2	Q4,Q5
43	43	1210001-00	HEAT SINK BLACK	3	
44	44	9007201-00	TRANSIPADS #10253	3	
45	45	9008268-00	COMPOUND, THERMAL JOINT \$ A/R		
46	46	1611257-01	CHOKE(CERAMIC BEAD)AXIAL LEAD,ON	1	L6
47	47	1613898-01	33.0 UH INDUCTOR	4	L2-L5
48	48	1613898-02	39.0 UH INDUCTOR	1	L1
49	49	1910268-00	DEC 75107B RECEIVER,LINE,DUAL,	1	E8
50	50	1909686-00	7404 INVERTER GATE-HEX 1I	1	E3
51	51	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	1	E2
52	52	1910644-00	733 DIFFERENTIAL AMP,WID	2	E9,E10
53	53	1910741-00	7406 INVERTER GATE-HEX 1I	1	E7
54	54	1911521-00	7432 OR GATE-QUAD 2IN, FO	1	E1
55	55	1910268-01	DEC 75107B-01 RECEIVER,LINE,DUA	2	E5,E4
56	56	1910725-00	75108B RECEIVER,LINE,DUAL,	1	E6
57	57	1209941-06	HEADER,100 20POS RT ANGLE	1	J6
58	58	1209941-03	HEADER RT ANGLE LEFT L	1	
59	59	1209941-04	HEADER RT ANGLE,RIGHT	1	
60	60	1210385-01	PIN 1POS WIRE WRAP	8	
61	61	9007791-00	TERM PCB 2POS SOLDER,TURRET	2	TP1,TP2
62	62	1303067-00	422 1/4W 1% RN55D-F 100PPM	2	R42,R43
63	63	1300219-00	68.0 .25 W 5.0 % CC	4	R7,R8,R47,R57
64	64	1301423-00	6.80 K .25 W 5.0 % CC	3	R15,R64,R67
65	65	1300391-00	1.50 K .25 W 5.0 % CC	2	R17,R19
66	66	1114117-00	1N 4152 PIV=450 I=75M	3	D2-D4
67	67	1113003-00	IN 5282 PIV=55 I=500M D035	4	D11-D14
68	68	1015573-01	5600.0 MMF 50V 5% CER. \$	5	C3,C6,C7,C13,C14
69	69	1304857-00	237 1/4W 1% RN55D-F 100PPM	1	R1
70	70	1300309-00	390.0 .25 W 5.0 % CC	1	R53
71	71	1013466-17	150 MMF 50V 5% CER	2	C15,C44
72	72	1309150-07	2 K 1/2W10% POT 100PPM	2	R40,R41
73	73	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
74	74	1217377-00	TERM QUICK 1POS TAB PC MNT	1	J7

***** UNDERGOING CHANGE *****

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							READ/WRITE BOARD					5413536-0-DRP	B

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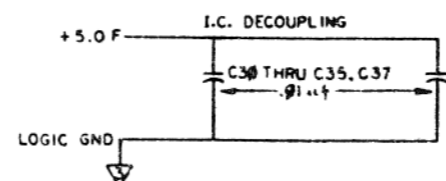
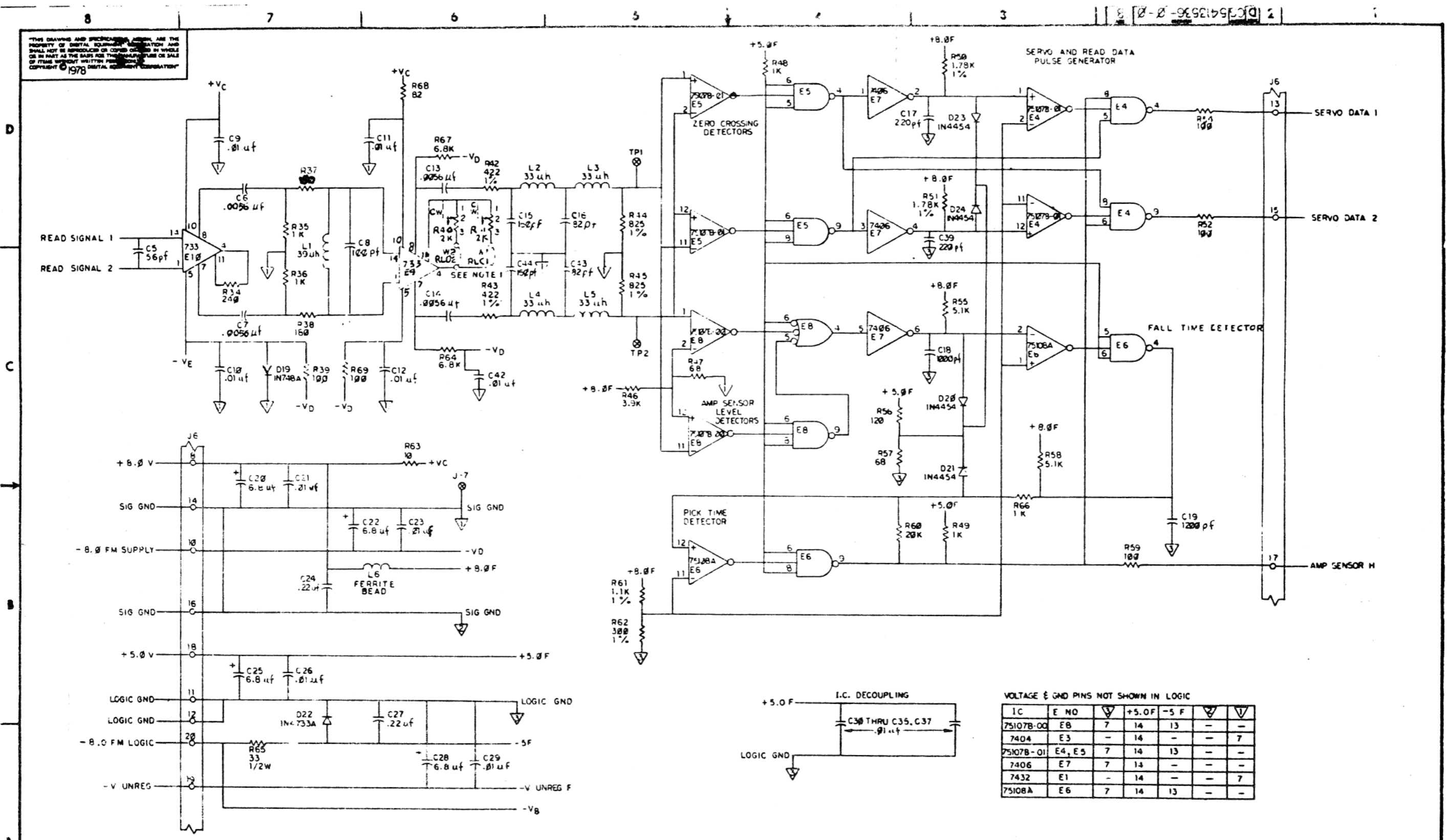


NOTE:
1. FOR RLO1 CUT W2 AND LEAVE IN W1.
FOR RLO2 CUT W1 AND LEAVE IN W2.

REV.	B
DATE	5/13/76
DESIGNED BY	M. ZARICH
CHK'D BY	
PROJ. ENG.	
PROD.	

DRN.	8/1/76	FIRST USED ON	RLO2
CHK'D	5/13/76	TITLE	READ/WRITE BOARD
ENG.	5/13/76	SIZE	D
PROJ. ENG.	5/13/76	CODE	CS
PROD.		NUMBER	5413536-0-1
NEXT HIGHER ASSY.		REV	E
SCALE		DIST.	
SHEET	1 OF 2		

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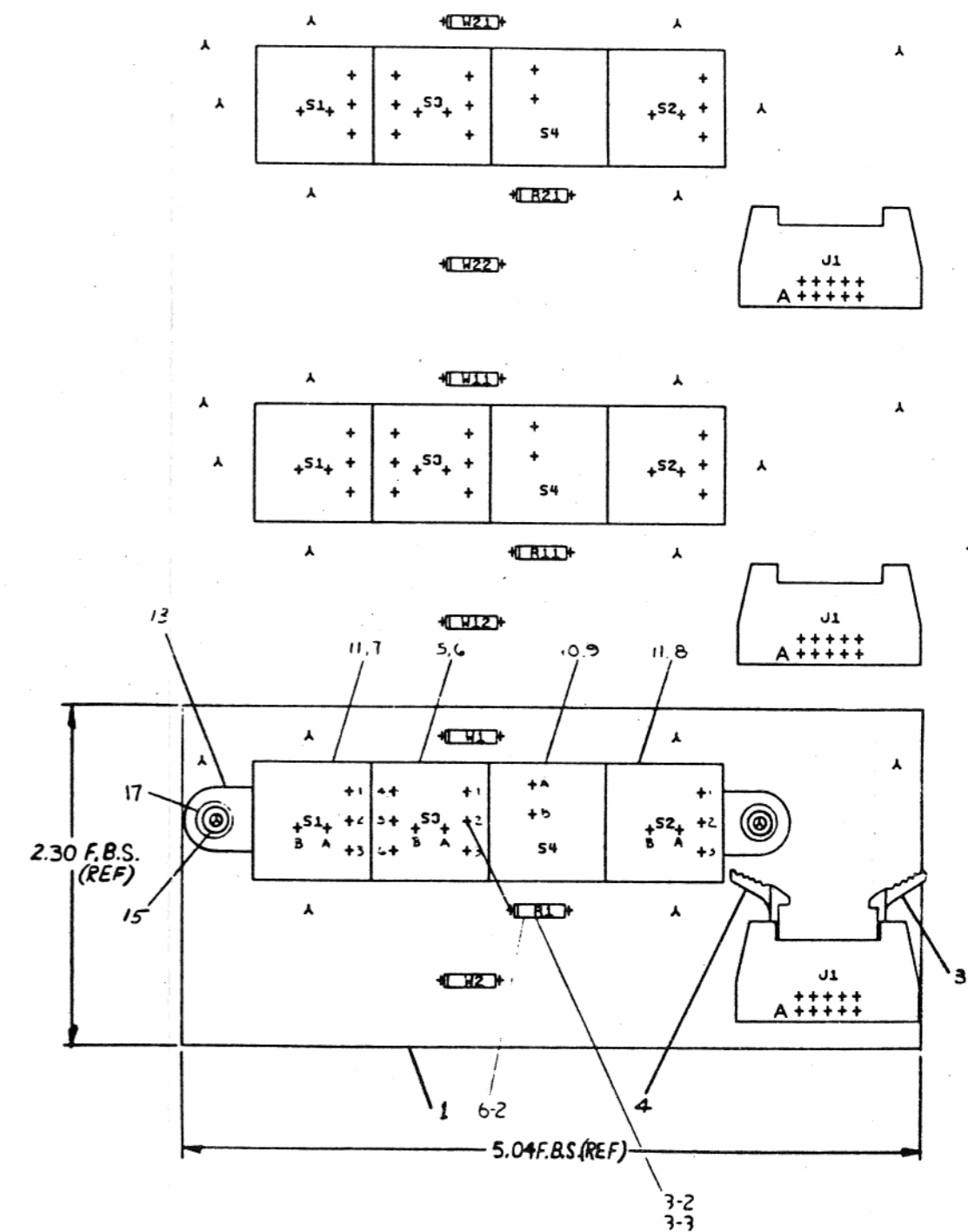
VOLTAGE & GND PINS NOT SHOWN IN LOGIC

IC	E NO	V	+5.0V	-5.0V	V	V
75107B-00	E8	7	14	13	-	-
7404	E3	-	14	-	-	7
75107B-01	E4, E5	7	14	13	-	-
7406	E7	7	14	-	-	-
7432	E1	-	14	-	-	7
75108A	E6	7	14	13	-	-

REV.	NO.	DATE	BY	CHK.

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COMPONENT SIDE VIEW



NOTES:

- ALL MANUFACTURING INFORMATION DATE - F
- CHECK - SEARCH - RE - QUALITY CONTROL STAMP
- ETC. ARE TO BE STAMPED ON EACH SIDE (SIDE A) OF MODULE.

CHANGE NO	REV	F	H	J
1	1			
2	1			
3	1			
4	1			
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49	1			
50	1			

ETCH REV. D
P.C. DESIGN DATA BASE REV. D

SIGNATURES	DATE	TITLE
DRN. MR. [Signature]	11/5/76	digital
CHK. D. [Signature]	1-11-77	FRONT PANEL
ENG. [Signature]	3/2/77	
PROJ. ENG. [Signature]		
PROD.		
SCALE 2/1	SIZE CODE	NUMBER
SHT. 1 OF 3	D 1UA	5411846-0-0 J
NEXT HIGHER ASSY. B-DD-54-11846-0		

AUTOMATED BY PRTLST.3P(44)

PARTS LIST

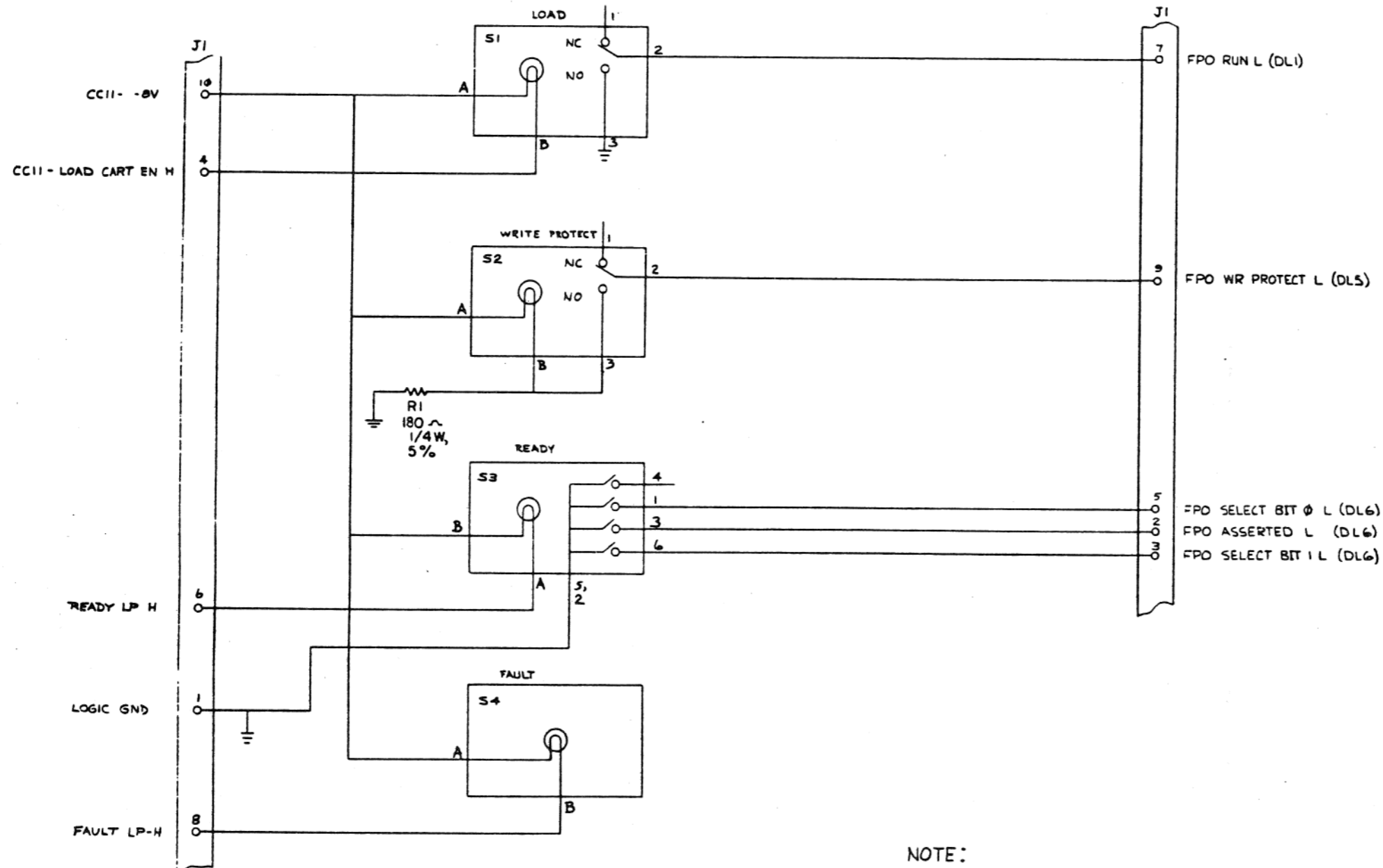
SHEET A1 OF A1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	D-MD-5011845-0-0	5011845-00	54-11846 ETCH CRKT BRD	1	
2		1209941-05	HEADER.100 10POS RT ANGLE	1	J1
3		1209941-04	HEADER RT ANGLE,RIGHT	1	
4		1209941-03	HEADER RT ANGLE LEFT L	1	
5		1212690-02	SW,PB 1P RK06 UNIT SELECT	1	S3
6		1212691-00	SW,PP CAP '0/READY' FOR 12-1	1	
7		1212714-05	SW,PB CAP,YEL/BLK,'LOAD'	1	
8		1212714-01	SW,PB CAP,YEL/BLK,'WRITE PROT'	1	
9		1212714-02	SW,PB CAP,RED/BLK,'FAULT'	1	
10		1212715-02	INDICATOR,DISPLAY PANEL,W/14V LA	1	S4
11		1212717-05	SW,PB 1P 3A W/14V LAMP	2	S1,S2
12		1212716-01	LAMP,WEDGE,14V	1	
13		1213188-01	MOUNTING BRACKET,SWITCH	1	
14		1301322-00	180.0 .25 W 5.0 Z CC	1	R1
15		9006732-00	EYELET, ROLLED FLANGE, .121 OD X	2	
16		9107560-01	WIRE,BUSS,22AWG	2	W1,W2
17		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	2	

REVISION HISTORY			BASIC PART NO: 5411846			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	S. MARLOW	DATE:	7-APR-76	
MZ	5411846-CX005	J	SECTION,VARIATION INDEX	CHK'D:	P. BURNELL	DATE:	10-JAN-77	TITLE PARTS LIST
			[A] 00					FRONT PANEL
			[B]	DES.ENG:	G. REICHENBERG	DATE:	7-MAR-77	
			[C]					DOCUMENT NUMBER
			[D]	RESP.ENG.:	G. REICHENBERG	DATE:	7-MAR-77	SIZE CODE NUMBER REV
			[E]					
			[F]	MFG.ENG.:	L. KIRK	DATE:	9-MAR-77	K PL 5411846-0-DBP J
			[G]					
			[H]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #
			[I]	D-UA-5411846-0-0		* B-DD-5411846-0		Z1580J.PLS 3
			[J]					
			[K]					
			[L]					
			[M]					
			[N]					

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NOTE:
1. ALL LAMPS ARE 6E-73 TYPE

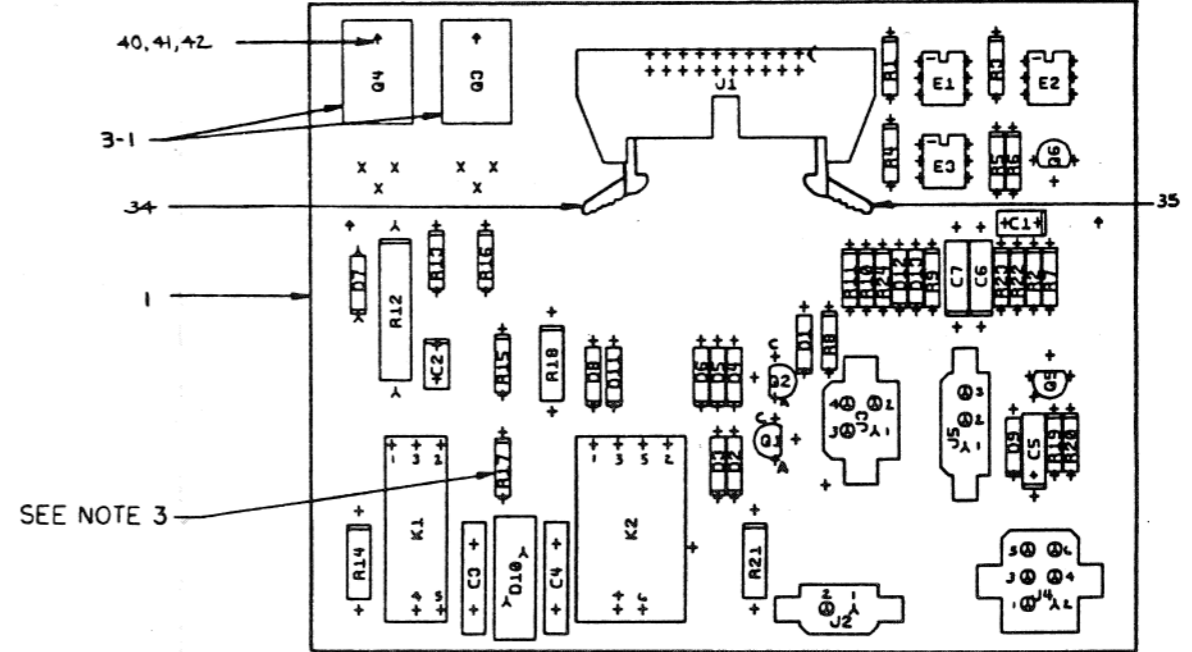
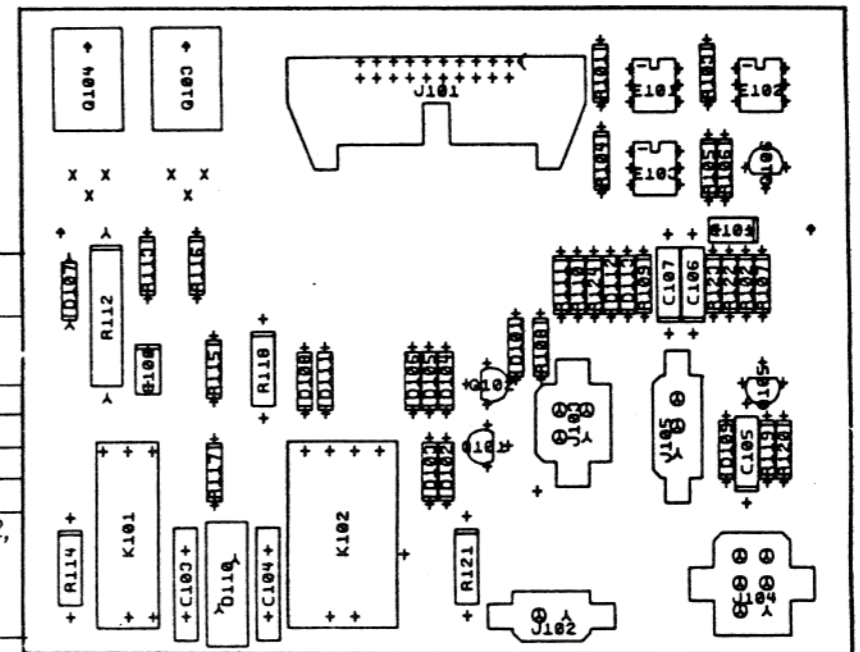
REV	DATE	BY	CHK'D	APP'D
1	5-11-77	G. REICHENBERG		
2	5-11-77	G. REICHENBERG		
3	5-11-77	G. REICHENBERG		
4	5-11-77	G. REICHENBERG		
5	5-11-77	G. REICHENBERG		
6	5-11-77	G. REICHENBERG		
7	5-11-77	G. REICHENBERG		
8	5-11-77	G. REICHENBERG		

DRW. <i>[Signature]</i>	5-11-77	FIRST USED ON	digital
CHK'D <i>[Signature]</i>	5-11-77	TITLE	FRONT PANEL
ENG. <i>[Signature]</i>	5-11-77	SIZE CODE	D CS
PROJ. ENG. <i>[Signature]</i>	5-11-77	NUMBER	5411846-0-1
NEXT HIGHER ASSY.		DIST	
SCALE		REV.	K
SHEET 1 OF 1			

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COMPONENT SIDE VIEW

ACTUAL REF DESIGNATOR	SUPERFICIAL REF DESIGNATORS
C1,C2,C3,C4,C5,C6,C7	C101,C102,C103,C104,C105,C106,C107
D1,D2,D3,D4,D5,D6,D7,D8,D9,D10 D11,D12,D13	D101,D102,D103,D104,D105,D106,D107,D108,D109,D110,D111,D112, D113
E1,E2,E3	E101,E102,E103
K1,K2,K3	K101,K102,K103
J1,J2,J3,J4,J5	J101,J102,J103,J104,J105
Q1,Q2,Q3,Q4,Q5,Q6	Q101,Q102,Q103,Q104,Q105,Q106
R1,R2,R3,R4,R5,R6,R7,R8,R9,R10 R11,R12,R13,R14,R15,R16,R17,R18,R19, R20,R21,R22	R101,R102,R103,R104,R105,R106,R107,R108,R109,R110,R111,R112, R113,R114,R115,R116,R117,R118,R119,R120,R121,R122



SEE NOTE 3

- NOTES:
- 8 HOLES .0745 (+.000-.005) MINIMUM ONLY
 - UVI APPROVAL REQUIRED
 - REWORK INSTRUCTIONS:
 - REMOVE R17 (330Ω 1/4W, 5%)
 - INSTALL R17 (330Ω 1/2W, 5%)

CHK	CHANGE NO	REV	D	E	F
1/3	1	1	P. BURNELL		
2/1	2	1	P. BURNELL		
3/1	3	1	P. BURNELL		
4/1	4	1	P. BURNELL		
5/1	5	1	P. BURNELL		
6/1	6	1	P. BURNELL		
7/1	7	1	P. BURNELL		
8/1	8	1	P. BURNELL		

ETCH REV.	E-P2
P.C. DESIGN DATA BASE REV.	F-P2

SIGNATURES	DATE	digital
DRN. <i>[Signature]</i>	<i>[Date]</i>	
CHK'D. <i>[Signature]</i>	<i>[Date]</i>	TITLE AC
ENC. <i>[Signature]</i>	<i>[Date]</i>	SERVO
PROJ. ENG. <i>[Signature]</i>	<i>[Date]</i>	SIZE CODE NUMBER
PROD. <i>[Signature]</i>	<i>[Date]</i>	D UA 5411848-0-0
SCALE 2/1		REV F
SMT. 1 OF 4		
NEXT HIGHER ASSY. B-DD-5411848-C		

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
1	D-MD-5011847-0-0	5011847-00	ETCH CRKT BRD	1	
2		1011683-00	.022 MFD 50V 10% 2C067 CER.	1	C1
3		1012312-01	.47 MFD 50V XZ	1	C2
4		1013682-00	.1 MFD 500V +80 -20% CER.	2	C3,C4
5		1001776-00	1 MFD 35V 10% S.TANT	2	C5,C7
6		1110856-00	1N 970B VZ= 24.0 5% .40W Y	1	D1
7		1111577-00	1N 4454 TR= 4NS PIV= 50 S	10	D2-D6,D8,D9,D11-D13
8		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	1	D7
9		1510727-01	OPTO COUPLED ISOLATOR	3	E1-E3
10		1213917-00	RLY,REED 5V COIL,DPDT	1	K2
11		1213915-00	RLY,REED, 5V COIL,SPDT	1	K1
12		1110997-00	VP 130A10 VOLT. SUPPRESS.130VAC	1	D10
13		1209941-06	HEADER.100 20POS RT ANGLE	1	J1
14		1213922-00	HEADER 2POS	1	J2
15		1213922-01	HEADER 3POS	1	J5
16		1213922-03	HEADER 4POS	1	J3
17		1213922-04	HEADER 6POS	1	J4
18		1300315-00	470 1/2W 5% CC	2	R14,R21
19		1300271-00	220 1/4W 5% CC	3	R1,R3,R4
20		1311220-00	5.1 1/2W 5% CC	1	R18
21		1301327-00	68 K 1/4W 5% CC	1	R6
22		1302466-00	100 K 1/4W 5% CC	2	R5,R8
23		1300444-00	3.9 K 1/4W 5% CC	1	R20
24		1314516-00	200 K 1/4W 5% CC	2	R7,R23
25		1300496-00	15 K 1/4W 5% CC	1	R10
26		1300479-00	10 K 1/4W 5% CC	2	R11,R24
27		1300482-00	10 K 2W 10% CC	1	R12
28		1312927-00	16 1/4W 5% CC	2	R15,R16
29		1314649-00	430 K 1/4W 5% CC	1	R22

REVISION HISTORY		BASIC PART NO: 5411848		DRN: H. RICHER		DATE: 23 MAR 76		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	P. BURNELL	DATE:	10 JAN 77	TITLE		PARTS LIST	
	INITIAL	E	SECTION VARIATION INDEX	DES.ENG:	P. BADUM	DATE:	7 JUN 77	AC SERVO			
MZ	5411848-CZ003	F	[A] 00	RESP.ENG.:	P. BADUM	DATE:	7 JUN 77	DOCUMENT NUMBER			
			[B]	MFG.ENG.:	D. LESAGE	DATE:	7 JUN 77	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:				K	PL	5411848-0-DBP	F
			[D]	D-UA-5411848-0-0						FILE NAME:	EDIT #
			[E]							Z0491.PLS	3
			[F]								
			[G]								
			[H]								
			[I]								
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

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AUTOMATED BY PRTLST.3K(27)

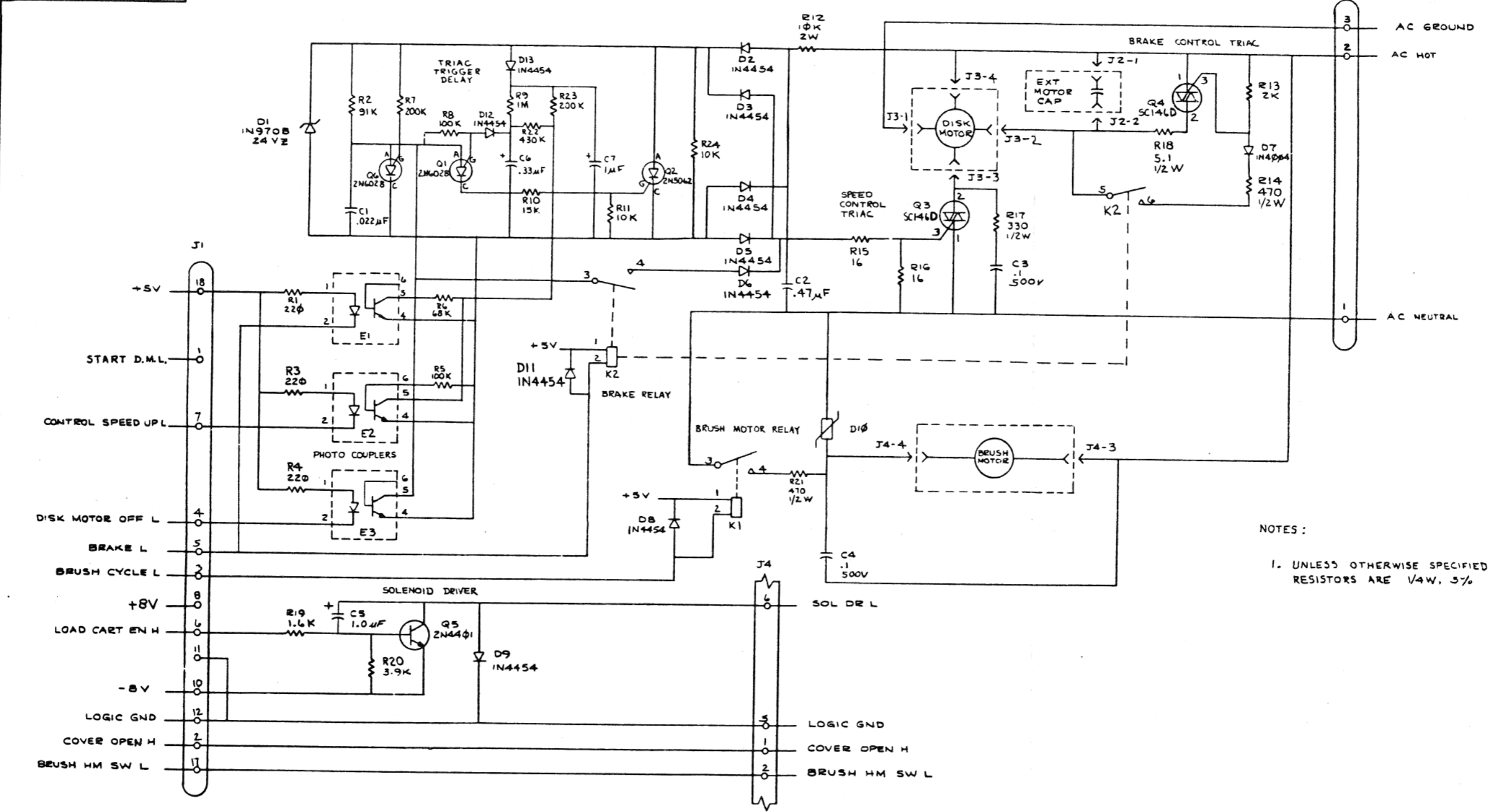
PARTS LIST

SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
30	30		1300296-00	330 1/2W 5% CC	1		R17
31	31		1302388-00	2 K 1/4W 5% CC	1		R13
32	32		1309595-00	1 M 1/4W 5% CC	1		R9
33	33		1303176-00	1.6 K 1/4W 5%	1		R19
34	34		1209941-03	HEADER RT ANGLE LEFT L	1		J1
35	35		1209941-04	HEADER RT ANGLE,RIGHT	1		J1
36	36		1510877-00	2N 6028 UJT 300MW R67B	2		Q1,Q6
37	37		1110968-00	2N 5062 SCR@100V I=.8A T092	1		Q2
38	38		1510070-00	TRIAC@400V,I> 8A #RCA40669 M	2		Q3,Q4
39	39		1513489-00	2N 4401 NPN 350MW SI 40 20	1		Q5
40	40		9006557-00	NUT,KEP , 4-40X 1/4 AF	2		Q3,Q4
41	41		9006010-01	SCREW,PAN ,PHIL, 4-40X 5/16	2		Q3,Q4
42	42		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	2		Q3,Q4
43	43			*** THIS ITEM IS NOT USED ***	-		
44	44		1000002-04	.33 MFD 35V 10% .150D S.TA	1		C6
45	45		1314650-00	91 K 1/4W 5% CC	1		R2

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							AC SERVO			K	PL	5411848-0-DBP	F

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NOTES:
1. UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 1/4W, 5%

REV.	DATE	BY	CHK'D	APP'D
U				
C				
D				
E				
F				

DRAWN BY: <i>W. J. ...</i>	FIRST USED ON: RLO1	digital
CHK'D BY: <i>P. ...</i>	DATE: 1-14-77	
ENG. BY: <i>K. R. ...</i>	TITLE: AC SERVO	
PROJ. ENG. BY: <i>J. ...</i>	SCALE: +	
PROD. BY: <i>J. ...</i>	SIZE CODE: D	
NEXT HIGHER ASSY:	NUMBER: 5411848-0-1	
D-U-A-5411848-0-0	REV.:	
SHEET 1 OF 1		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1	D-MD-5013533-0-0	5013533-00	ETCHED CIRCUIT BOARD	1	
2	2		1013466-08	680.0 MMF 50V 10% X7R CER	1	C12
3	3		1016009-00	2200.0 MMF 50V 5% CER	1	C7
4	4		1001610-00	.01 MFD 50V +80-20% 25U CER	4	C1,C9,C10,C15
5	5		1002630-00	.015 MFD 100V 10% MYLR	1	C8
6	6		1013466-11	.22 MFD 50V +80-20% 25U CER	4	C3,C5,C11,C16
7	7		1005306-00	6.8MFD 35V 10% S.TANT	4	C4,C6,C13,C14
8	8		1000076-00	39 MFD 10V 10% S.TANT	1	C2
9	9		1309422-00	5.10 .25 W 5.0 % CC	1	R58
10	10		1312929-00	62.0 .25 W 5.0 % CC	2	R3,R23
11	11		1311523-00	110.0 .25 W 5.0 % CC	1	R22
12	12		1300247-00	120.0 .25 W 5.0 % CC	1	R13
13	13		1300271-00	220.0 .25 W 5.0 % CC	1	R59
14	14		1301425-00	300.0 .25 W 5.0 % CC	1	R55
15	15		1303178-00	620.0 .25 W 5.0 % CC	1	R6
16	16		1300365-00	1.0 K .25 W 5.0 % CC	5	R1,R7,R39,R44,R57
17	17		1300391-00	1.50 K .25 W 5.0 % CC	1	R5
18	18		1302388-00	2.0 K .25 W 5.0 % CC	2	R31,R43
19	19		1300426-00	2.70 K .25 W 5.0 % CC	2	R46,R47
20	20		1302389-00	4.30 K .25 W 5.0 % CC	1	R53
21	21		1300447-00	4.70 K .25 W 5.0 % CC	10	R10-R12,R14,R15,R19,R20,R24,R49, R68
22	22		1303179-00	8.20 K .25 W 5.0 % CC	3	CONT R68
23	23		1300488-00	12.0 K .25 W 5.0 % CC	4	R9,R16,R17
24	24		1305346-00	27.0 K .25 W 5.0 % CC	1	R25,R26,R45,R56
25	25		1305131-00	*** THIS ITEM IS NOT USED ***	-	R21
26	26		1312923-00	2.10 K .25 W 1.0 % RN55D-F10	1	R41
27	27		1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1	R34
28	28		1314763-00	4.12 K .25 W 1.0 % RN55D-F10	1	R36
29	29		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	3	R28,R29,R62

REVISION HISTORY		BASIC PART NO: 5413534		DRN:	JERRY BEST	DATE:	26-JUL-78	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	JERRY BEST	DATE:	26-JUL-78	TITLE PARTS LIST			
	INIT	A	SECTION VARIATION INDEX	DES.ENG:	R. NOGUCHI	DATE:		DOCUMENT NUMBER			
BN	5413534-CZ001	B	[A] 00	RESP.ENG.:	R. NOGUCHI	DATE:	26-JUL-78	SIZE	CODE	NUMBER	REV
MZ	5413534-CX003	C	[B]	MFG.ENG.:	P. CHURCH	DATE:		K	PL	5413534-0-DBP	C
			[C]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[D]	D-UA-5413534-0-0		RL02		Z0494C.PLS		18	
			[E]	*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION*							
			[F]								
			[G]								
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			[I]								
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

PARTS LIST

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30	1312924-00	10.70 K .25 W 1.0 % RN55D-F10	1	R32
31	31	1309412-00	18.20 K .25 W 1.0 % RN55D-F10	1	R33
32	32	1315436-00	52.30 K .25 W 1.0 % RN55D-F10	1	R54
33	33	1304843-00	243.0 K .25 W 1.0 % RN55D-F10	1	R72
34	34	1315437-00	237.0 K .25 W .10% RN55D-F10	1	R38
35	35	1302378-00	51.0 .50 W 5.0 % CC	1	R51
36	36	1300364-00	1.0 K .50 W 5.0 % CC	2	R18,R48
37	37	1314068-00	360.0 1.0 W 5.0 % CC	1	R4
38	38	1300368-00	1.0 K 1.0 W 5.0 % CC	1	R8
39	39	1301494-00	200.0 2.0 W 5.0 % CC	1	R50
40	40	1313358-00	.20 5.0 W 3.0 % WW	2	R2,R52
41	41	1105796-00	1N 4004 PIV=400 I= 1A D041 SP	3	D1,D2,D5
42	42	1113953-00	1N 5523D VZ= 5.1 1%	8	D4,D6,D8,D9,D16,D18,D21,D22
43	43	1109990-00	1N 757A VZ= 9.1 5% .40W P	2	D23,D24
44	44	1110994-00	1N 751A VZ= 5.1 5% .40W	1	D14
45	45	1114117-00	1N 4152 PIV=450 I=75M	6	D3,D7,D10,D11,D12,D13
46	46	1111577-00	1N 4454 TR= 4NS PIV= 50 S	6	D15,D17,D20,D25-D27
47	47	1513698-00	TRIAC@200V,I>14A	1	D19
48	48	9009597-00	INSULATOR, THERMA-FILM	1	
49	49	1513489-00	2N 4401 NPN 350MW SI 40 20	4	Q2,Q4,Q8,Q9
50	50	1513490-00	2N 4403 PNP 350MW SI-40 30	6	Q1,Q3,Q5-Q7,Q11
51	51	1511282-00	MJ2500 PNP 150WC SI 60 5 1K 5A	2	E4,E6
52	52	1511349-00	TIP 640 (OR MJ3000) NPN DARLNGT	1	E3
53	53	1911706-00	5012 ANALOG SWITCH,4CHNL	1	E8
54	54	1912818-00	LS38 NAND BUFFER-QUAD 2IN	1	E10
55	55	1912107-01	324ANOP AMP,QUAD	1	E7
56	56	1913695-00	7808 VOLT REG,FIX +8V	1	E9
57	57	1913694-00	7908 VOLT REG,FIX -8V	1	E5
58	58	9008419-00	WASHER, FLAT, THERMAFILM .002THK	5	
59	59	7418595-00	HEATSINK ASSEMBLY	1	
60	60	9008033-01	SCREW,PAN,PHIL 4-40X 9/16 SS	11	
61	61	9006557-00	NUT,KEP , 4-40X 1/4 AF	11	
62	62	9006655-00	WASHER, FLAT, .312 O.D. X .125 I	11	
63	63	9008268-00	COMPOUND, THERMAL JOINT	A/R	
64	64	1210824-00	THERMOSTAT,0@215,C@156,SPST,NORM	1	S1
65	65	9008185-00	NUT,KEP , 6-32X1/4 AF	1	
66	66	9006653-00	WASHER, FLAT, .375 O.D. X .156 I	1	
67	67	1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	1	F1
68	68	9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	6	TP13-TP18
69	69	9007791-00	TERM PCB 2POS SOLDER,TURRET	13	TP0-TP12
70	70	1213922-01	HEADER 3POS	1	J1
71	71	1213922-04	HEADER 6POS	1	J2
72	72	1213900-00	CONN,RCPT 6POS	1	J3
73	73	1209941-06	HEADER,100 20POS RT ANGLE	1	J4
74	74	1209941-04	HEADER RT ANGLE,RIGHT	1	
75	75	1209941-03	HEADER RT ANGLE LEFT L	1	
76	76	1305324-00	4.99 K .25 W 1.0 % RN55D-F10	2	R37,R30
77	77	1300250-00	150.0 .25 W 5.0 % CC	1	R42

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							D.C. SERVO AND POWER SUPPLY		K	PL	5413534-0-DBP	C

AUTOMATED BY PRTLST.2E(2)

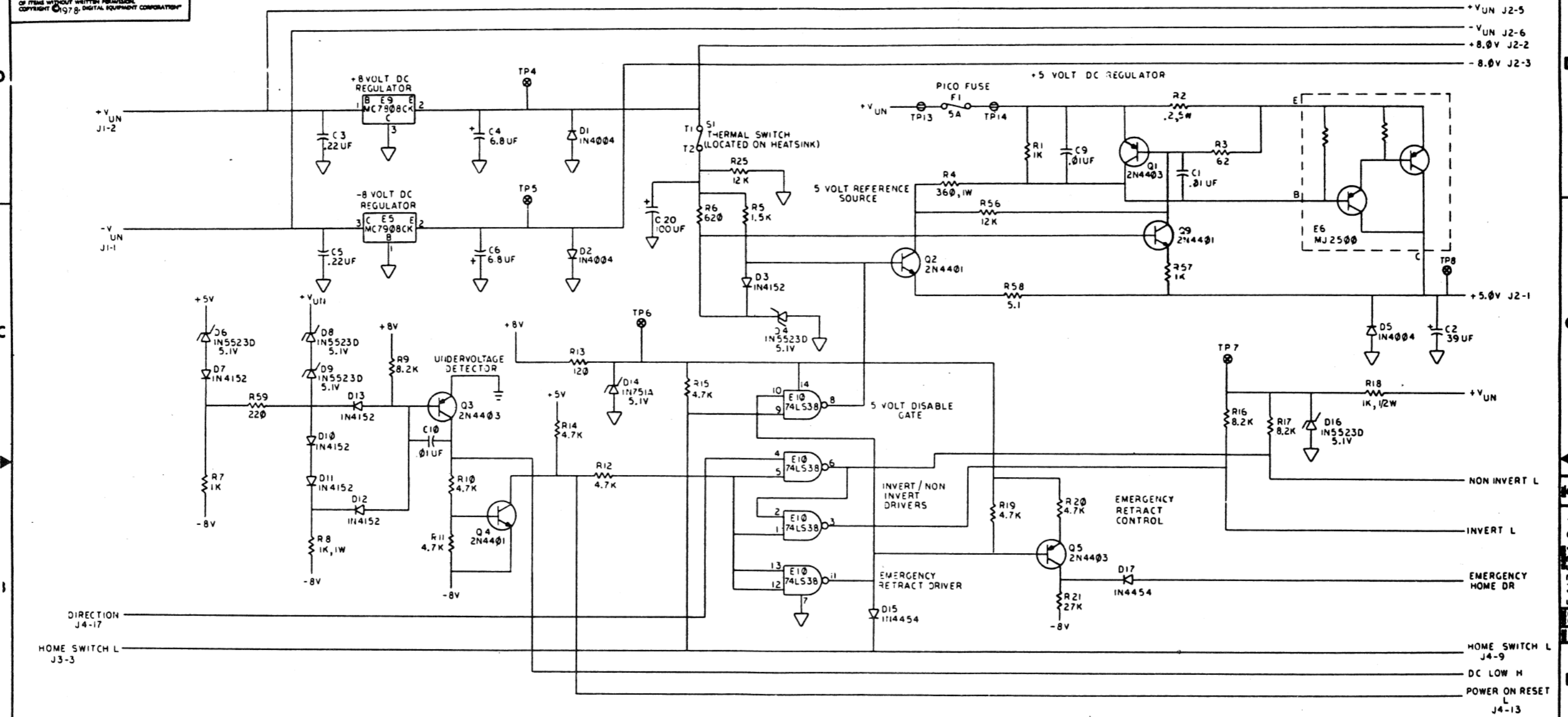
PARTS LIST

SHEET A3 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
78	78		1312618-00	16.90 K .25 W 1.0 % RN55D-F10	1	R40
79	79		1300229-00	100.0 .25 W 5.0 % CC	1	R63
80	80		1305336-00	*** THIS ITEM IS NOT USED ***	-	
81	81		1309416-00	31.60 K .25 W 1.0 % RN55D-F10	1	R65
82	82		1002781-00	100 MFD 25V +75-10% AL EL	1	C20
83	83		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
84	84		1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	R64
85	85		1015574-00	*** THIS ITEM IS NOT USED ***	-	
86	86		1315435-00	25.50 K .25 W 1.0 % RN55D-F10	1	R66
87	87		1312930-00	5.10 K .25 W 5.0 % CC	1	R67
88	88		1015520-00	1 MFD 100V 5% MET. MYLR	1	C19
89	89		1513697-00	2N 5640 FET N CHNNL	1	G10
90	90		1300479-00	10.0 K .25 W 5.0 % CC	1	R69
91	91		1302466-00	100.0 K .25 W 5.0 % CC	1	R70
92	92		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							D.C. SERVO AND POWER SUPPLY		K	FL	5413534-0-DBP	C

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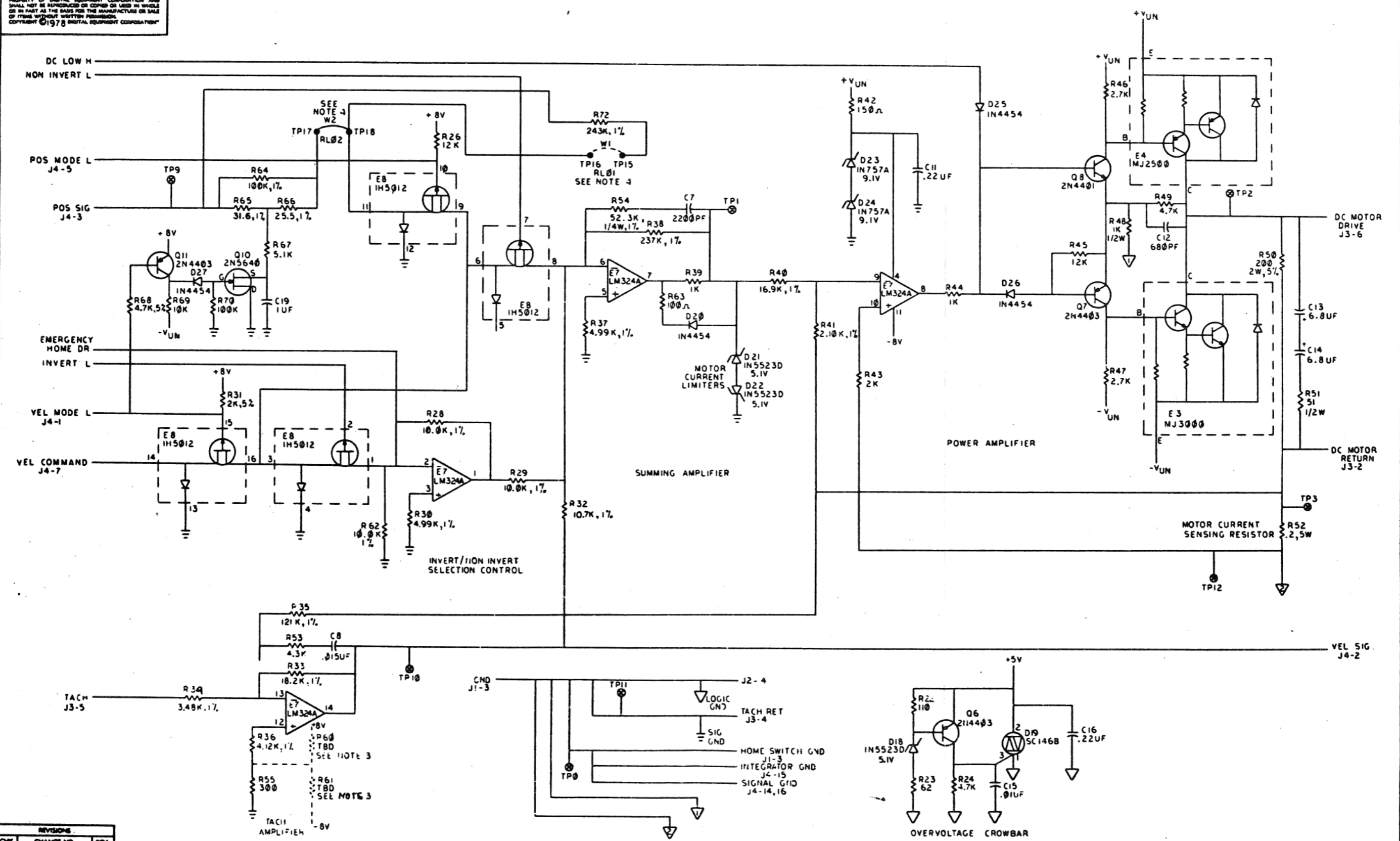


- NOTES:
1. ALL RESISTORS TO BE 1/4W, 5%; UNLESS OTHERWISE SPECIFIED.
 2. ~~E1 AND E2 ARE SPARES.~~
 3. VALUE OF R60 OR R61 WILL BE DETERMINED IN TESTING.
 4. INSTALL W1 AND W2 FOR PL01 ON SIDE 2. INSTALL W2 ONLY FOR PL02 ON SIDE 2.

REV.	CHANGE NO.	BY	DATE
B			
C			
D			

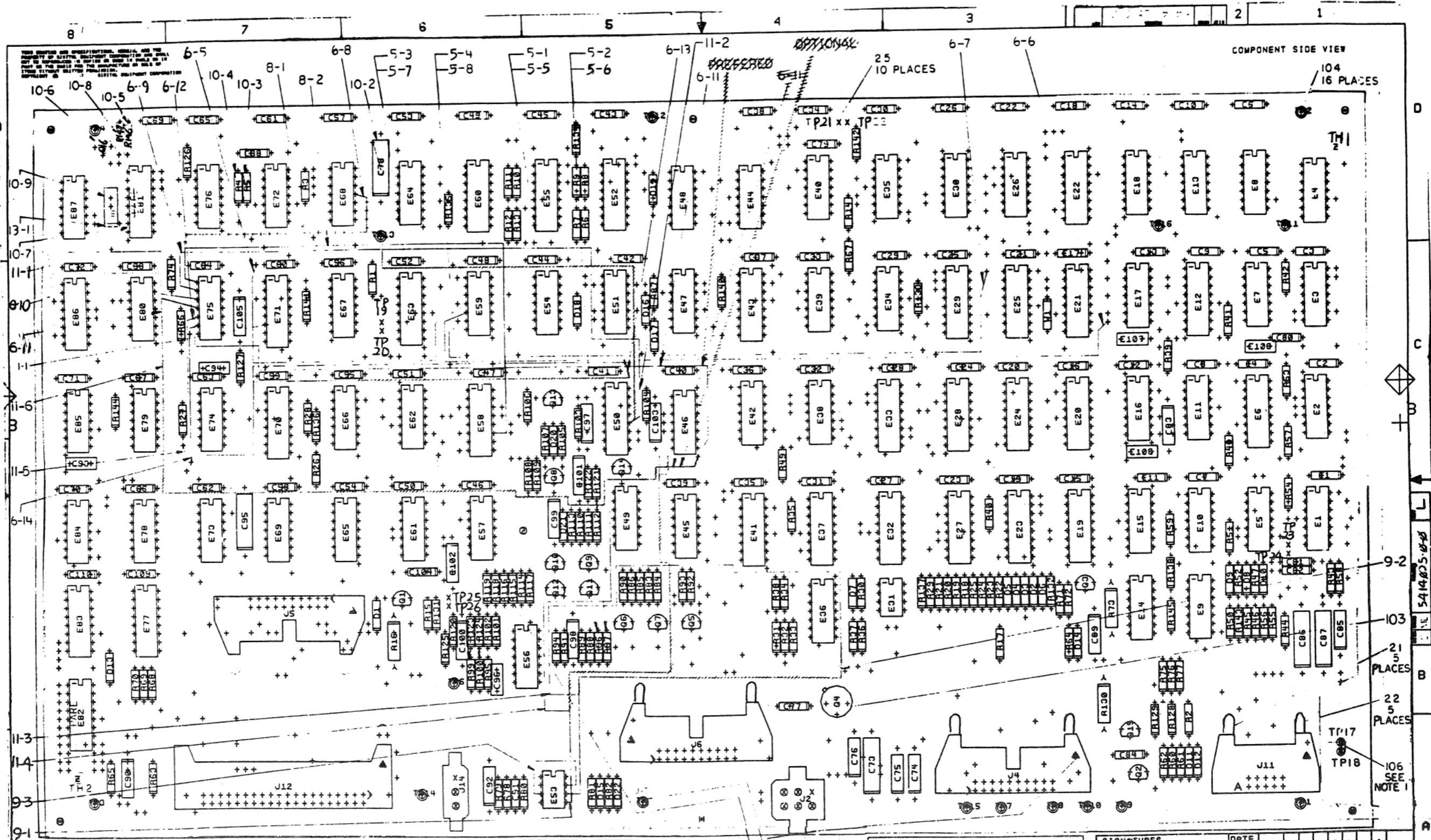
DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES M ^o 30'	CLASS OF FINISH	TOLERANCE
SURFACE QUALITY	CHECK ONE	FINISH
QUANTITY & VARIATION	MICROINCHES	PREFERRED
THIRD ANGLE PROJECTION	DRN	FIRST USED ON
NEEDLE POINTS AND BREAK SHARP CORNERS	CHK'D	
DO NOT SCALE DRAWING	ENG.	
MATERIAL	PROJ. ENG.	
	PROD.	
	NEXT HIGHER ASSY.	
	D-UA-5413534-0-0	SIZE CODE
	SCALE	NUMBER
	SHEET 1 OF 2	DIST.
TITLE DC SERVO AND POWER SUPPLY		
REV. D		

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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	DC SERVO AND POWER SUPPLY	SIZE CODE	D	NUMBER	5413534-0-1	REV.	D
SCALE		SHEET	2 OF 2	DIST.			



NOTES:
 1. INSTALL ITEM 106 AFTER TEST (BETWEEN TP17 & TP18 ONLY).
 2. VALUE OF ITEM 2 TO BE DETERMINED AT NEXT HIGHER ASSEMBLY.
 3. STAMP ORIENTATION TRIANGLES ON CONNECTORS AS SHOWN WITH INDELIBLE RED INK.

CHK	CHANGE NO	REV	B	C	D	E	F	H	J	K	L
5414025	CX801	M. BROWN									
5414025	CX803	M. ZARICH									
5414025	CX805	M. BROWN									
5414025	CX807	M. BROWN									
5414025	CX809	M. ZARICH									
5414025	CX811	M. BROWN									
5414025	CX813	M. BROWN									
5414025	CX815	M. BROWN									
5414025	CX817	M. BROWN									
5414025	CX819	M. BROWN									
5414025	CX821	M. BROWN									
5414025	CX823	M. BROWN									
5414025	CX825	M. BROWN									
5414025	CX827	M. BROWN									
5414025	CX829	M. BROWN									
5414025	CX831	M. BROWN									
5414025	CX833	M. BROWN									
5414025	CX835	M. BROWN									
5414025	CX837	M. BROWN									
5414025	CX839	M. BROWN									
5414025	CX841	M. BROWN									
5414025	CX843	M. BROWN									
5414025	CX845	M. BROWN									
5414025	CX847	M. BROWN									
5414025	CX849	M. BROWN									
5414025	CX851	M. BROWN									
5414025	CX853	M. BROWN									
5414025	CX855	M. BROWN									
5414025	CX857	M. BROWN									
5414025	CX859	M. BROWN									
5414025	CX861	M. BROWN									
5414025	CX863	M. BROWN									
5414025	CX865	M. BROWN									
5414025	CX867	M. BROWN									
5414025	CX869	M. BROWN									
5414025	CX871	M. BROWN									
5414025	CX873	M. BROWN									
5414025	CX875	M. BROWN									
5414025	CX877	M. BROWN									
5414025	CX879	M. BROWN									
5414025	CX881	M. BROWN									
5414025	CX883	M. BROWN									
5414025	CX885	M. BROWN									
5414025	CX887	M. BROWN									
5414025	CX889	M. BROWN									
5414025	CX891	M. BROWN									
5414025	CX893	M. BROWN									
5414025	CX895	M. BROWN									
5414025	CX897	M. BROWN									
5414025	CX899	M. BROWN									
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5414025	CX905	M. BROWN									
5414025	CX907	M. BROWN									
5414025	CX909	M. BROWN									
5414025	CX911	M. BROWN									
5414025	CX913	M. BROWN									
5414025	CX915	M. BROWN									
5414025	CX917	M. BROWN									
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5414025	CX955	M. BROWN									
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5414025	CX959	M. BROWN									
5414025	CX961	M. BROWN									
5414025	CX963	M. BROWN									
5414025	CX965	M. BROWN									
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5414025	CX971	M. BROWN									
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5414025	CX987	M. BROWN									
5414025	CX989	M. BROWN									
5414025	CX991	M. BROWN									
5414025	CX993	M. BROWN									
5414025	CX995	M. BROWN									
5414025	CX997	M. BROWN									
5414025	CX999	M. BROWN									

SEE NOTE 3
 3-1
 3-2
 SEE NOTE 2

ETCH REV. R
P.C. DESIGN DATA BASE REV. E

SIGNATURES	DATE	TITLE
DRN. ()		digital
CHK'D. ()		
ENG. ()		
PROJ. ENG. ()		
PROD. ()		
SCALE 2/1	SIZE CODE	NUMBER
SMT. 1 OF 2	0 UA	5414025-0-2 L
NEXT HIGHER ASSY. F-00-5414025-0		

5414025-0-2 L

21 5 PLACES
 22 5 PLACES
 106 SEE NOTE 1

1 MS# 291 26

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5014024-0-0	5014024-00	DRILL AND ETCH BRD	1		
2	2	EWS		RESISTOR, FINAL TEST, 1/4W, 1%	4		R115, R116, R118, R119
3	3		1000023-00	330.0 MMF 100V 5%200PPM MICA	4		C93, C106-C108
4	4		1000024-00	470.0 MMF 100V 5%200PPM MICA	1		C94
5	5		1000064-00	3.9MFD 10V 10% S.TANT	2		C76, C85
6	6		1000076-00	39 MFD 10V 10% S.TANT	3		C73, C86, C95
7	7		1001610-00	.01 MFD 50V +80-20% Z5U CER	74		C1-C6, C8-C39, C40-C45, C47-C49, C51-C53, C55-C68, C70, C71, C77, C79-C82, C84, C88, C104
8	8		1001776-00	1 MFD 35V 10% S.TANT	4		C74, C75, C92, C97
9	9		1004812-00	15 MFD 20V 10% S.TANT	1		C87
10	10		1005784-00	.01 MFD 100V 10% MYLR	1		C101
11	11		1010978-32	.047 MFD 50V 10% CER	1		C94
12	12		1013466-07	220.0 MMF 50V 5% CER	1		C91
13	13		1013466-08	680.0 MMF 50V 10% X7R CER	2		C89, C90
14	14		1013466-09	1000.0 MMF 50V 10% X7R CER	1		C83
15	15		1013466-10	3300.0 MMF 50V 5% CER	4		C98, C100, C103, C105
16	16		1013466-11	.22 MFD 50V +80-20% Z5U CER	2		C99, C102
17	17		1111577-00	1N 4454 TR= 4NS PIV= 50 S	16		D1, D7-D20, D22
18	18		1113953-00	1N 5523D VZ= 5.1 1%	1		D21
19	19		1114117-00	1N 4152 PIV=40 I=75	5		D2-D6
20	20		1209941-02	HEADER 100 40POS RT ANGLE	1		J12
21	21		1209941-03	HEADER RT ANGLE LEFT L	5		
22	22		1209941-04	HEADER RT ANGLE, RIGHT	5		
23	23		1209941-05	HEADER, 100 10POS RT ANGLE	1		J11
24	24		1209941-06	HEADER, 100 20POS RT ANGLE	3		J4-J6
25	25		1210385-01	PIN 1POS WIRE WRAP	10		TP17-TP26
26	26		1213922-02	HEADER 3POS	1		J14
27	27		1213922-04	HEADER 6POS	1		J2
28	28		1300229-00	100.0 .25 W 5.0 % CC	5		R48, R133-R136

REVISION HISTORY		BASIC PART NO: 5414025		DRN:	ART SIMM	DATE: 18-APR-79	DIGITAL				
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	P. KENDRICK	DATE: 18-APR-79	TITLE		PARTS LIST		
---	INITIAL	A	SECTION, VARIATION INDEX								
MB	5414025-CX001	B	[A] 00				DRIVE LOGIC				
MB	5414025-CX002	C	[B]								
MZ	5414025-CX003	D	[C]	DES. ENG:	MIKE BROWN	DATE: 18-APR-79					
MB	5414025-CX005	E	[D]								
MB	5414025-CX010A	F	[E]				DOCUMENT NUMBER				
MZ	5414025-CX014	H	[F]	RESP. ENG.:	MIKE BROWN	DATE: 18-APR-79	SIZE	CODE	NUMBER	REV	
			[G]								
			[J]								
			[K]	MFG. ENG.:	D. LICK	DATE: 18-APR-79	K	PL	5414025-0-DBP	H	
			[L]								
			[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[N]	D-UA-5414025-0-0		#RL02		Z0496H.PLS		31	

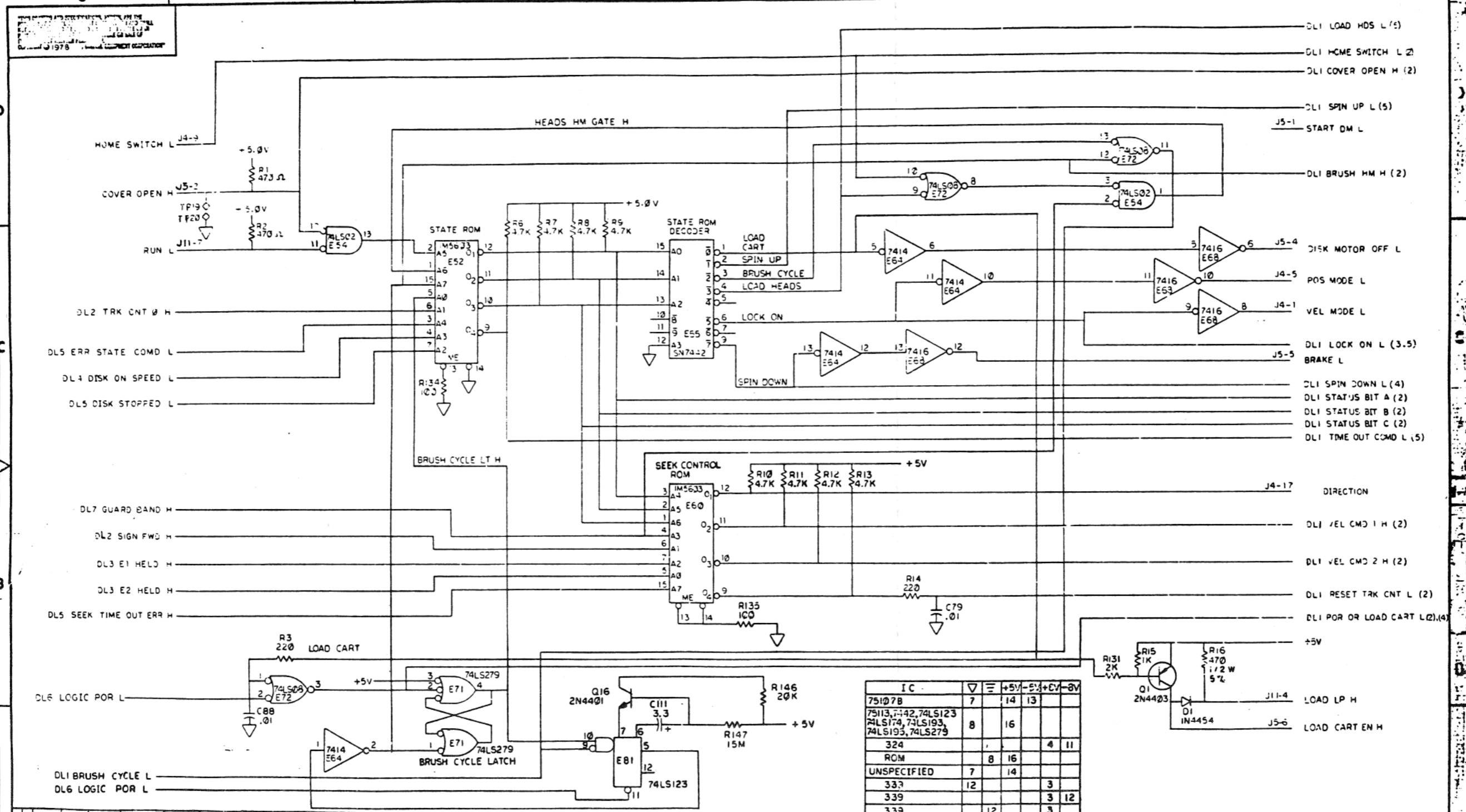
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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
29	29	1300271-00	220.0 .25 W 5.0 % CC	4	R3,R14,R41,R143
30	30	1300315-00	470.0 .50 W 5.0 % CC	3	R16,R73,R130
31	31	1300316-00	470.0 .25 W 5.0 % CC	4	R1,R2,R79,R142
32	32	1300365-00	1.0 K .25 W 5.0 % CC	15	R15,R39,R40,R42,R47,R52,R54,R56, CONT R61,R72,R74,R101,R106,R129,R140 R144
33	33	1300411-00	2.0 K .25 W 1.0 % RN55D-F10	1	R93,R124,R126
34	34	1300439-00	3.30 K .25 W 5.0 % CC	3	R6-R13,R26-R28,R34,R35,R38,R43, CONT R44,R49,R53,R57,R58,R62,R75-R78, CONT R80,R82,R92,R102,R105,R123,R125, CONT R127,R138,R145
35	35	1300447-00	4.70 K .25 W 5.0 % CC	35	R70,R107
36	36	1300479-00	10.0 K .25 W 5.0 % CC	2	R18-R21,R45,R50,R66,R67,R71,R87, CONT R122,R128,R131
37	37	1302388-00	2.0 K .25 W 5.0 % CC	13	R59
38	38	1302391-00	20.0 K .25 W 5.0 % CC	1	R95
39	39	1302394-00	30.0 K .25 W 5.0 % CC	1	R55
40	40	1302398-00	470.0 K .25 W 5.0 % CC	1	R121
41	41	1302466-00	100.0 K .25 W 5.0 % CC	1	R91,R120
42	42	1302514-00	39.0 K .25 W 5.0 % CC	2	R94
43	43	1302666-00	10.0 M .25 W 5.0 % CC	1	R88
44	44	1302871-00	1.21 K .25 W 1.0 % RN55D-F10	1	R25
45	45	1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	R64,R65,R83,R85,R113
46	46	1303047-00	464.0 .25 W 1.0 % RN55D-F10	5	R89,R117
47	47	1303114-00	1.0 K .25 W 1.0 % RN55D-F10	2	R17,R29-R31,R36,R60,R63
48	48	1303312-00	10.0 K .25 W 1.0 % RN55D-F10	7	R108
49	49	1304493-00	562.0 .25 W 1.0 % RN55D-F10	1	R81
50	50	1304841-00	75.0 K .25 W 5.0 % CC	1	R110
51	51	1304862-00	1.62 K .25 W 1.0 % RN55D-F10	1	R33
52	52	1304870-00	6.81 K .25 W 1.0 % RN55D-F10	1	R84,R86
53	53	1305124-00	287.0 .25 W 1.0 % RN55D-F10	2	R24
54	54	1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1	R96,R99
55	55	1305337-00	3.65 K .25 W 1.0 % RN55D-F10	2	R23
56	56	1305405-00	24.90 K .25 W 1.0 % RN55D-F10	1	R46,R51,R132
57	57	1309595-00	1.0 M .25 W 5.0 % CC	3	R109
58	58	1310632-00	2.37 K .25 W 1.0 % RN55D-F10	1	R97,R100
59	59	1317303-00	301.0 .25 W 1.0 % RN55D-F10	2	R111,R112
60	60	1312929-00	62.0 .25 W 5.0 % CC	2	R68,R69,R137
61	61	1312930-00	5.10 K .25 W 5.0 % CC	3	R22,R103,R104
62	62	1312989-00	17.80 K .25 W 1.0 % RN55D-F10	3	R90
63	63	1313589-00	1.40 K .25 W 1.0 % RN55D-F10	1	R32
64	64	1313846-00	2.26 K .25 W 1.0 % RN55D-F10	1	R37
65	65	1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	R114
66	66	1314491-00	1.02 K .25 W 1.0 % RN55D-F10	1	Q7,Q10,Q12
67	67	1513489-00	2N 4401 NPN 350MW SI 40 20	3	Q1-Q3,Q5,Q6,Q8,Q9,Q11,Q13,Q15
68	68	1513490-00	2N 4403 PNP 350MW SI-40 30	10	Q14
69	69	1513697-00	2N 5640 FET N CHNHL	1	E9,E10,E68,E85
70	70	1909928-00	7416 INVERTER GATE-HEX 1I	4	E55
71	71	1910046-00	7442 DECODER-1 OF 10,BCD	1	

D	I	G	I	T	A	L	TITLE	DRIVE LOGIC	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
											K	PL	5414025-0-DBP	H

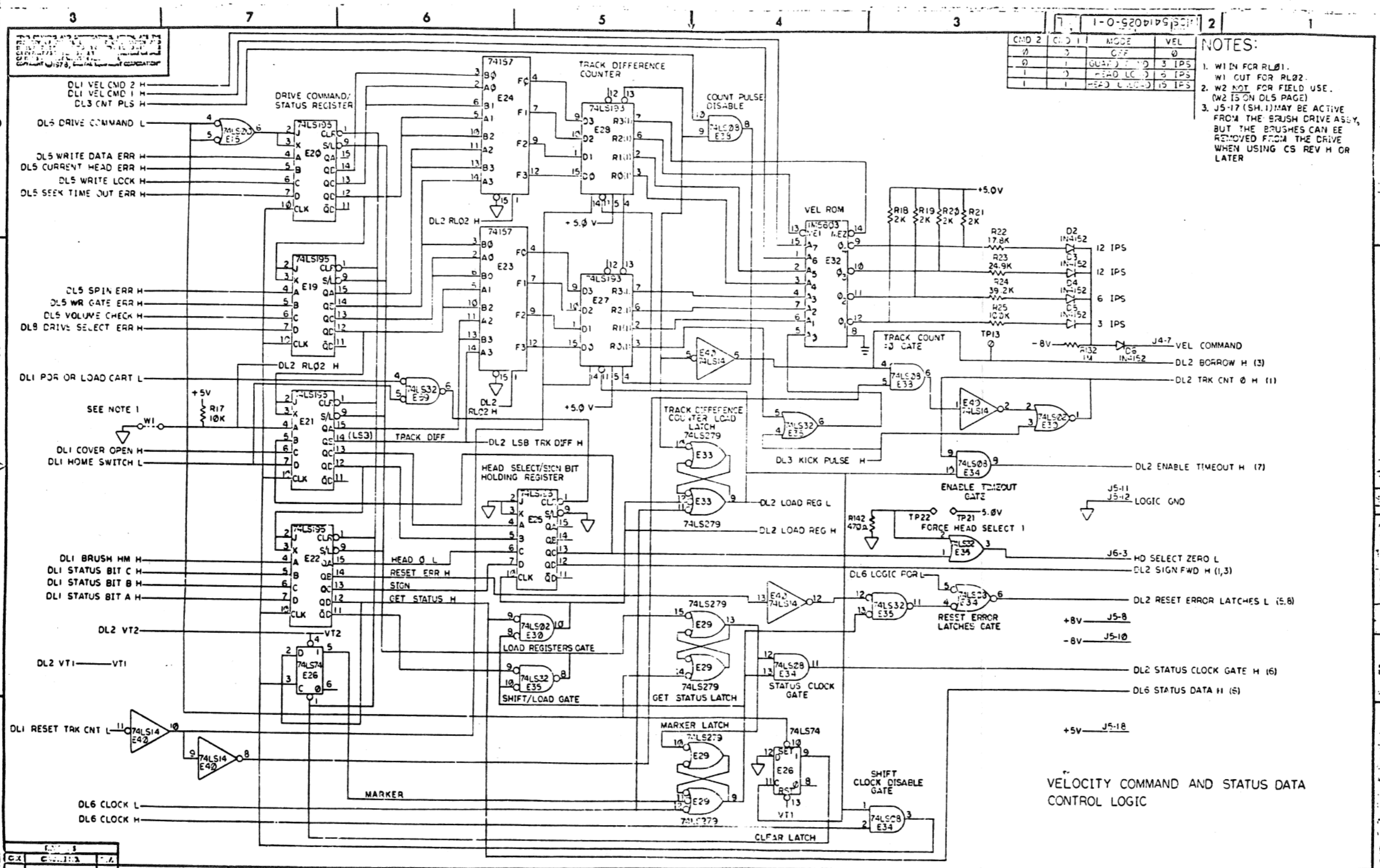
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
72	72		1910268-00	DEC 75107B RECEIVER,LTNE,DUAL,	4	E57,E61,E65,E67
73	73		1910298-00	741 OP AMP GEN PURP. COM	1	F31
74	74		1910363-00	749A SHIFT REG.,5BIT	1	F63
75	75		1910536-00	74S10 NAND GATE-TRIPLE 3IN	1	E45
76	76		1910655-00	74157 MUX 2 TO 1 QUAD	2	E23,F24
77	77		1911341-00	75113 DRIVER,LINE,DUAL,MA	3	E77,E83,E86
78	78		1912107-01	324ANDP AMP,QUAD	1	E49
79	79		1912108-00	339 VOLT CMPRTR,QUAD	3	E5,E36,E56
80	80		1912541-00	79M05 VOLT REG,FIX -5V	1	R4
81	81		1912697-00	LS174 FF-D HEX W/CLEAR	2	E37,F41
82	82		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	4	E7,E15,E44,E67
83	83		1912801-00	LS02 NOR-GATE-QUAD 2IN	4	E1,E30,E39,E54
84	84		1912803-00	6S04 INVERTER GATE,HEL	2	E79,E80
85	85		1912805-00	LS08 AND GATE-QUAD 2IN,PO	6	E14,E34,E38,E69,E72,F76
86	86		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E18
87	87		1912810-00	LS20 NAND GATE-DUAL 4IN	1	E2
88	88		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E73
89	89		1912816-00	LS32 OR GATE-QUAD 2IN,POS	4	E17,E35,E59,E84
90	90		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	9	E3,E11,E16,E26,E42,E46,E47,E62, E75
91	91		1912829-00	LS86 X-OR GATE-QUAD 2IN	3	CONT E75
92	92		1912837-00	LS123 ONE SHOT-DUAL,RETRIG	1	E51,E66,E78
93	93		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	3	E50
94	94		1912855-00	LS195 SHIFT REG.,4BIT PARA	5	E27,E28,E43
95	95		1912857-00	LS197 COUNTER,BINARY,PRESET	4	E19,E22,E25
96	96		1912864-00	LS279 LATCH,QUAD-S-R	4	E4,E8,E13,E74
97	97		1913414-00	LS14 INVERTER GATE-HEX SC	2	E6,E12,E29,E33,E58,E71
98	98		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E40,E48
99	99		23368A2-00	A2-02,A2-04	1	E53
100	100		23371A2-00	A2-02,A2-04	1	E52
101	101		23444A2-00	A2-02,A2-04	1	E60
102	102		23445A2-00	A2-02,A2-04	1	E70
103	103		9007201-00	TRANSIPADS #10253	1	E32
104	104		9007791-00	TERM PCB 2POS SOLDER,TURRET	15	TP1-TP4,TP6-TP16
105	105		9009185-00	JUMPER WIRE, INSULATED, BLACK B	1	W1
106	106		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
107	107		1012784-00	.047 MFD 50V +80-20% CER	8	C7,C46,C50,C54,C69,C72,C109,C110
108	108		1911324-00	7414 INVERTER,HEX 1IN SCH	1	E64
109	109		1217377-00	TERM QUICK 1POS TAB PC MNT	1	J15
110	110		1005334-00	*** THIS ITEM IS NOT USED ***	-	
111	111		1305608-00	*** THIS ITEM IS NOT USED ***	-	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DRIVE LOGIC		K	PL	5414025-0-DRP	H



REV	B	C	D	E	F	F1	H	J	K	L
5414025-CX001	M. BROWN									
5414025-CX002	M. BROWN									
5414025-CX003	M. ZARICH									
5414025-CX005	MIKE BROWN									
5414025-CX006	MIKE BROWN									
5414025-CX008	M. BROWN									
5414025-CX009	M. ZARICH									
5414025-CX010	M. ZARICH									
5414025-CX011	M. ZARICH									
5414025-CX012	M. ZARICH									
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5414025-CX014	M. ZARICH									
5414025-CX015	M. ZARICH									
5414025-CX016	M. ZARICH									
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5414025-CX036	M. ZARICH									
5414025-CX037	M. ZARICH									
5414025-CX038	M. ZARICH									
5414025-CX039	M. ZARICH									
5414025-CX040	M. ZARICH									
5414025-CX041	M. ZARICH									
5414025-CX042	M. ZARICH									
5414025-CX043	M. ZARICH									
5414025-CX044	M. ZARICH									
5414025-CX045	M. ZARICH									
5414025-CX046	M. ZARICH									
5414025-CX047	M. ZARICH									
5414025-CX048	M. ZARICH									
5414025-CX049	M. ZARICH									
5414025-CX050	M. ZARICH									

DRN	CHK'D	ENG	PROJ. ENG.	PRCD	NEXT HIGHER ACQY.	SCALE	SHEET	OF	REV.
							7	8	
TITLE					DRIVE LOGIC (STATE CONTROL LOGIC) (DLI)				
B.DD-5414025-0					NUMBER				
D CS 5414025-0-1					REV.				
FIRST USED ON					REV.				



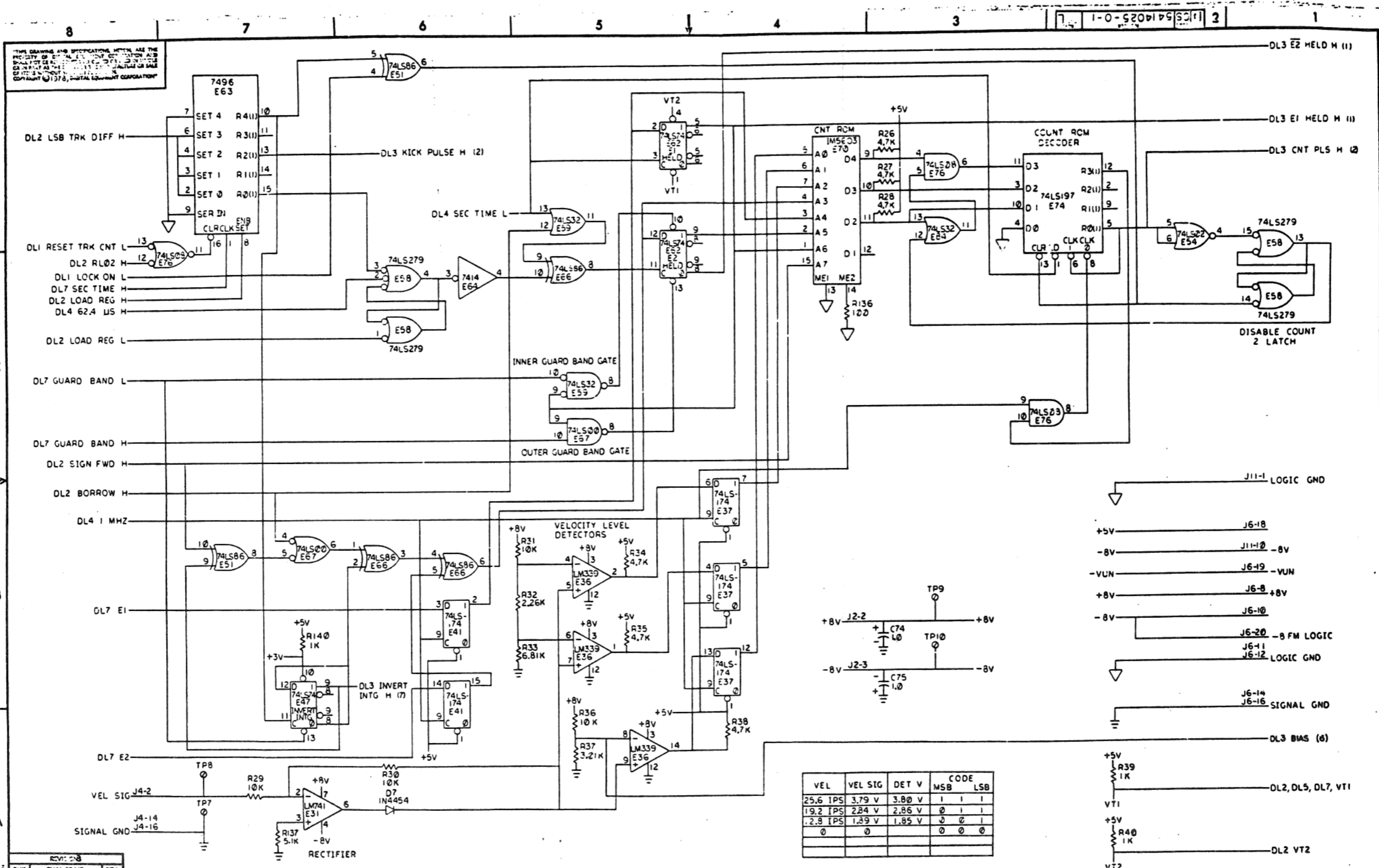
CMD 2	CMD 1	MODE	VEL
0	0	OFF	0
0	1	GUARD	3 IPS
1	0	HEAD LC	5 IPS
1	1	HEAD CLCD	15 IPS

- NOTES:**
- W1 IN FOR RL01. W1 OUT FOR RL02.
 - W2 NOT FOR FIELD USE. (W2 IS ON DL5 PAGE)
 - J5-17 (SH. 1) MAY BE ACTIVE FROM THE BRUSH DRIVE ASSY, BUT THE BRUSHES CAN BE REMOVED FROM THE DRIVE WHEN USING CS REV H OR LATER

TITLE		DRIVE LOGIC (DL2)		NUMBER		D/CS 5414025-0-1		REV.	
SCALE	1:1	SHEET	2	OF	8	DATE		BY	

39

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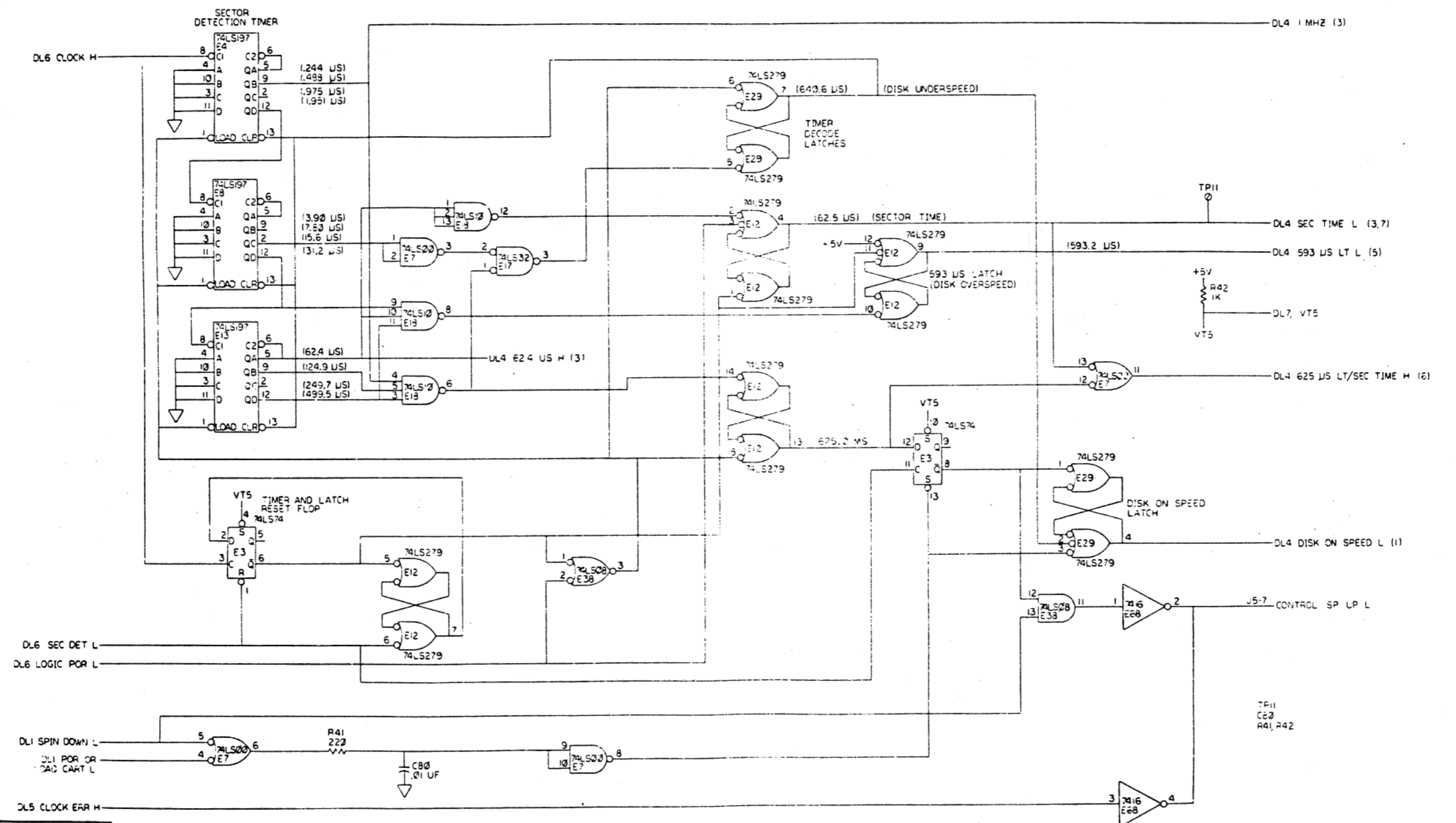
1-0-520175 [53] 2

REV	NO	DATE	BY

TITLE DRIVE LOGIC (COUNT LOGIC) (DL3) DCS 5414025-Q-1 L
 SCALE 1:1 3 OF 8

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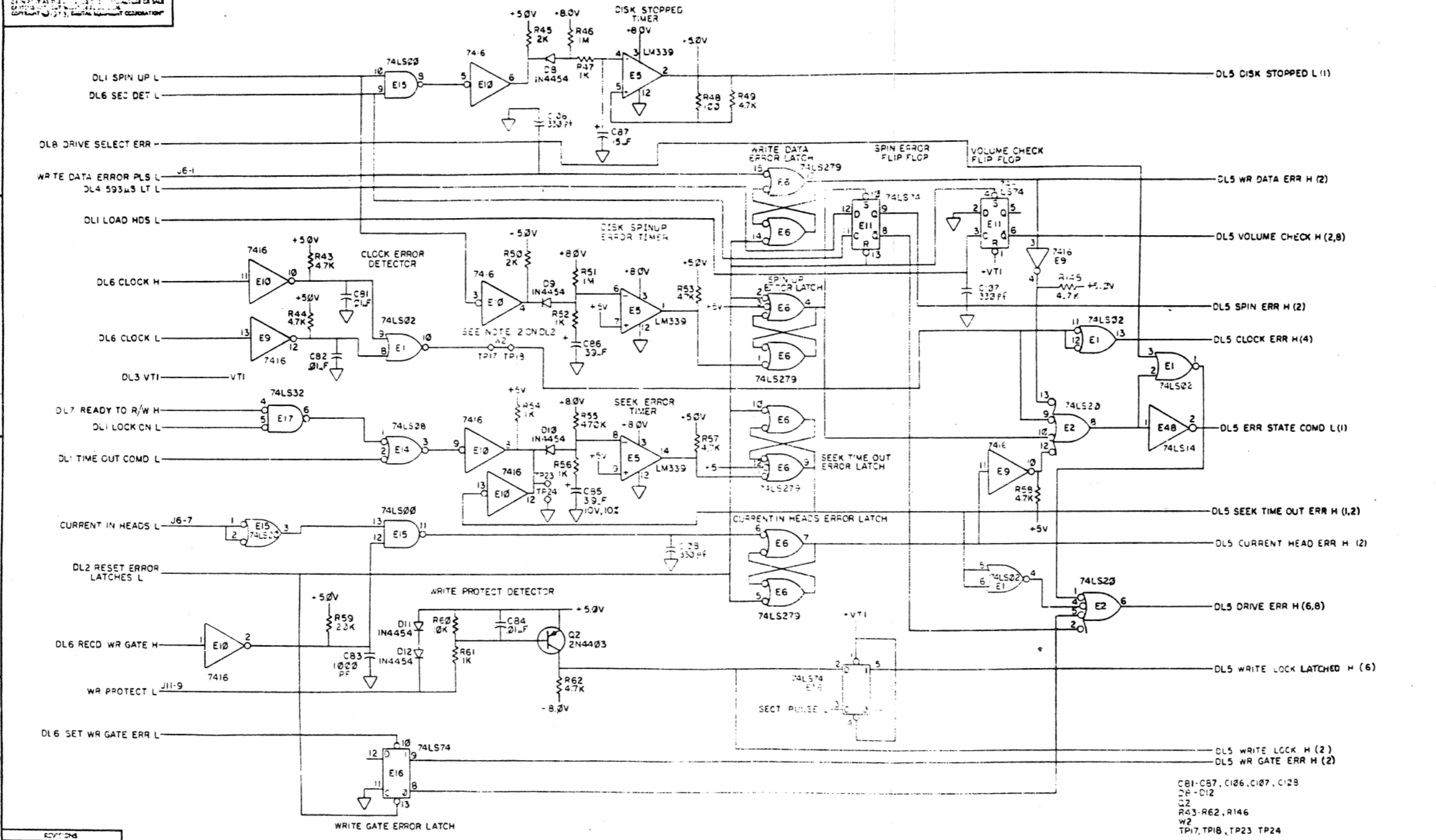
1-0-5414025-0-1 2



REVISIONS		
NO.	CHANGE NO.	REV.

TITLE DRIVE LOGIC (DISK SPEED CONTROL) (DL4) DCS 5414025-0-1
 SCALE SHEET 4 OF 8
 SIZE CODE NUMBER REV. L

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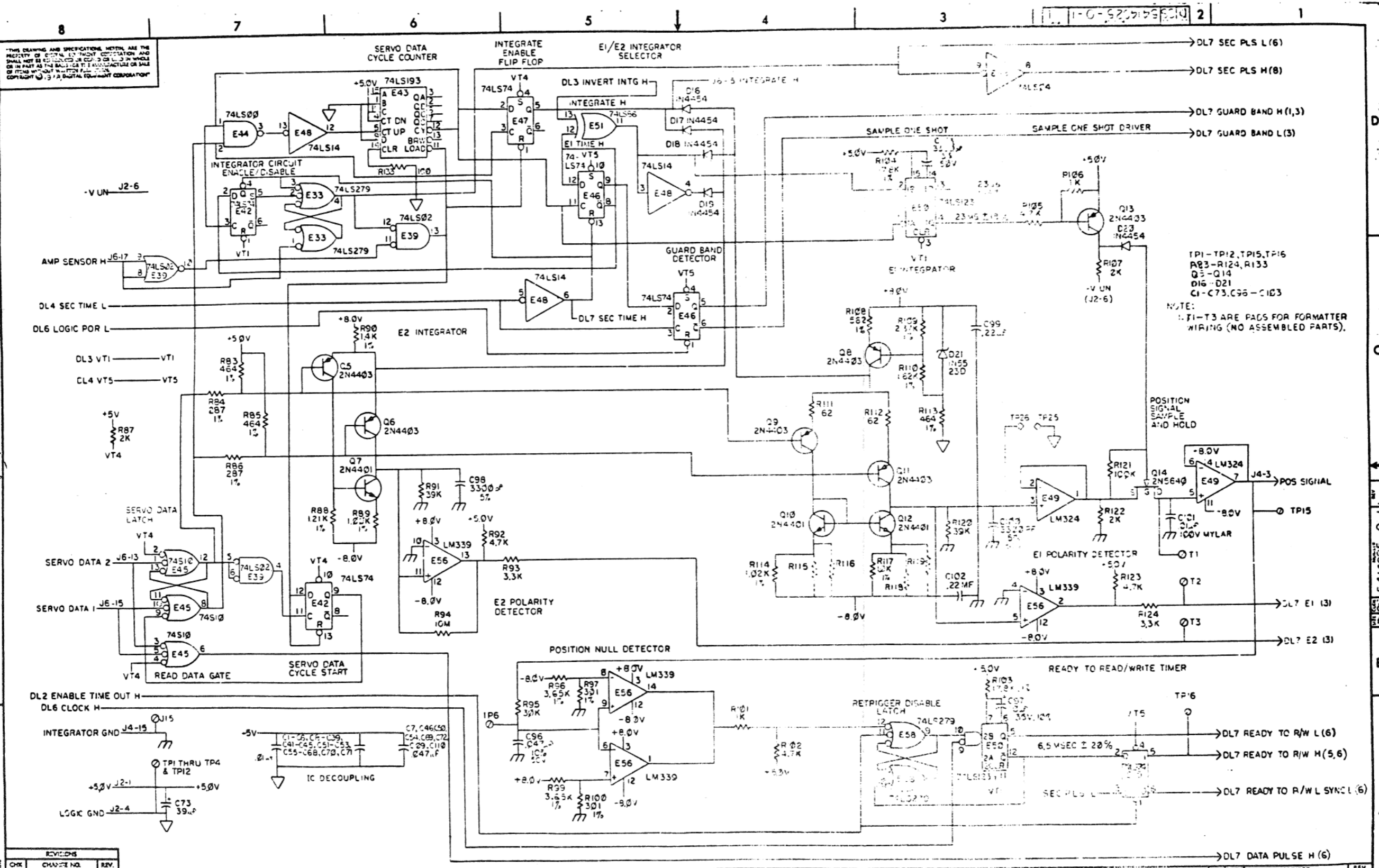


- C81-C87, C106, C107, C128
- D9-D12
- Q2
- R43-R62, R146
- W2
- TP17, TP18, TP23, TP24

CHK	DATE	NO.	REV.

TITLE	DRIVE LOGIC ERROR LOGIC (DL5)	SIZE CODE	NUMBER	REV.
SCALE	1/8" = 1"	DL5	DCS 5414025-0-1	L
PAGE 5 OF 8		DISTR.		

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TP1-TP2, TP15, TP16
R83-R124, R133
Q3-Q14
D16-D21
C1-C73, C96-C103

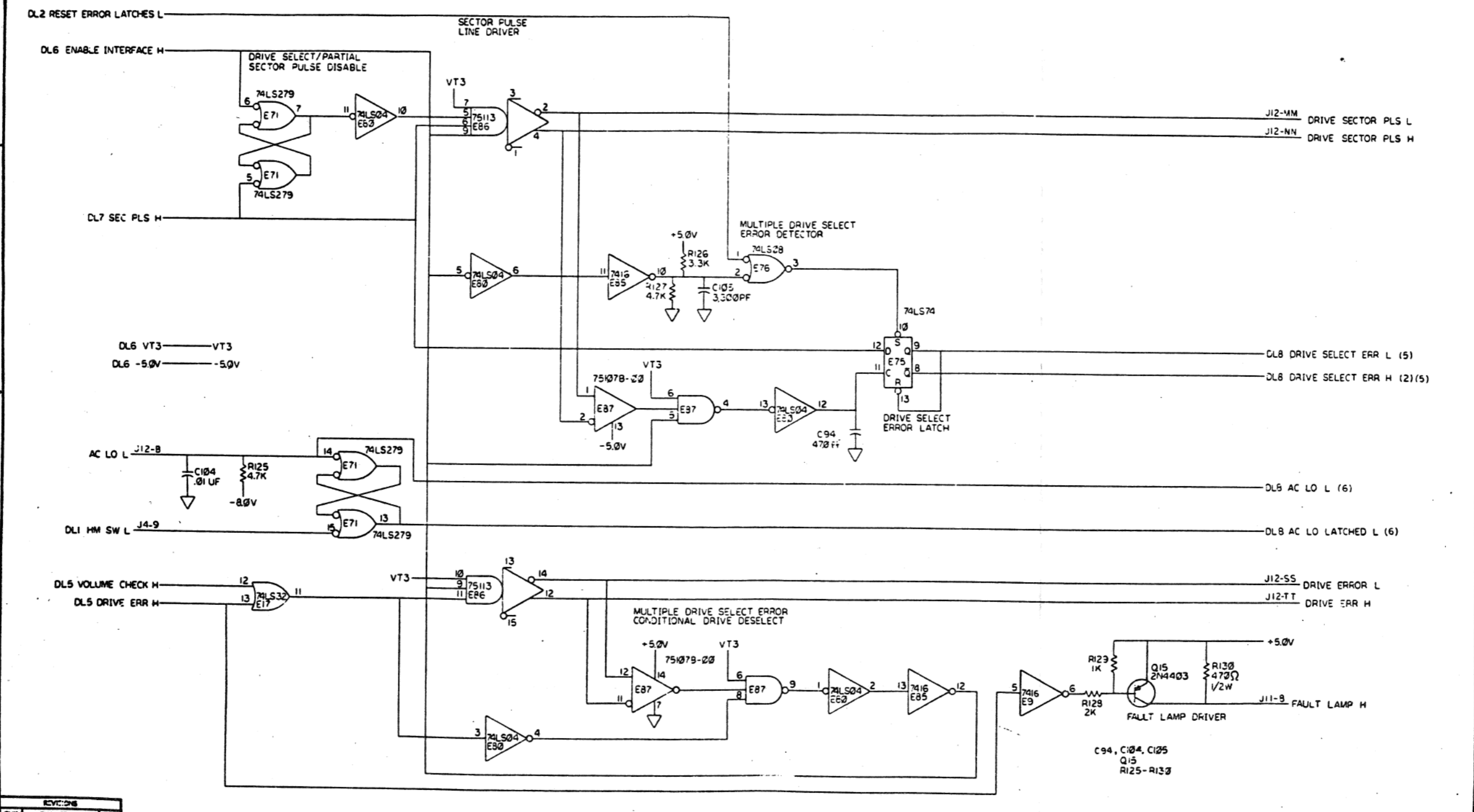
NOTE:
TP1-T3 ARE PADS FOR FORMATTER
WIRING (NO ASSEMBLED PARTS).

POSITION
SIGNAL
SAMPLE
& HOLD

REV.	CHG.	NO.	BY.

FILE	DRIVE LOGIC INTEGRATOR LOGIC DL7	REV.	D	NO.	CS 5414025-0-1	REV.	L
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE DRIVE LOGIC (DL8)		SIZE CODE D CS	NUMBER 5414025-0-1	REV. L3
SCALE	8 CP 8	C.T.		

55

PARTS LIST

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1	D-AD-7012111-0-0	7012111-00	BEZEL ASSY	1
2	2	D-AD-7016991-0-0	7016991-00	COVER, SWITCH ASSY.	1
3	3	E-AD-7012114-0-0	7012114-00	DISK MOTOR ASSY	1
4	4	E-AD-7012115-0-0	7012115-00	FRONT COVER ASSY	1
5	5	E-AD-7012116-0-0	7012116-00	MAIN CHASSIS ASSY	1
6	6	D-AD-7012117-0-0	7012117-00	POSITIONER ASSY	1
7	7	D-AD-7015124-0-0	7015124-00	RL02 R/W BOX ASSY	1
8	8	D-AD-7015125-0-0	7015125-00	RL02 REAR COVER ASSY	1
9	9	D-AD-7015116-0-0	7015116-00	SPINDLE ASSY	1
10	10		9006038-01	SCREW,PAN,PHIL 8-32X 7/16 SS	4
11	11	D-IA-7015637-0-0	7015637-00	RL02 DATA HEAD *A*UP	1
12	12	B-AD-7012128-0-0	7012128-00	ACCESS COVER ASSEMBLY	1
13	13	D-AD-7012130-0-0	7012130-00	POWER PANEL ASSEMBLY	1
14	14	B-IA-7012139-0-0	7012139-0F	INTERCONNECT CABLE	2
15	15	B-IA-7014262-0-0	7014262-00	INTERCONNECT CABLE ASSEMBLY	1
16	16	C-IA-7012140-0-0	7012140-00	POWER HARNESS DC	1
17	17	B-IA-7012107-0-0	7012107-3D	INTERCONNECT CABLE	1
18	18	D-MD-7415094-0-0	7415094-00	REAR COVER	1
19	19	C-MD-7415101-0-0	7415101-00	SPRING, PLENUM COVER	2
20	20	C-MD-7415297-0-0	7415297-00	FILTER,PAD	1
21	21	C-MD-7415303-0-0	7415303-00	COVER AC SERVO	1
22	22	C-MD-7416335-0-0	7416335-00	CABLE RETAINER	1
23	23	D-MD-7417450-0-0	7417450-00	HATCH	1
24	24	C-MD-7417454-0-0	7417454-00	BRACKET PLENUM	2
25	25	C-MD-7417455-0-0	7417455-00	LATCH PLENUM	2
26	26	D-UA-5411848-0-0	5411848-00	ETCH BRD 54-11848	1
27	27	D-UA-5413534-0-0	5413534-00	DC SERVO + POWER SUPPLY (RL02)	1
28	28		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	2
29	29	D-AD-7012137-0-0	7012137-00	TRANSDUCER ASSY	1
30	30		1213097-00	FILTER,AIR,HEPA,33CFM	1

REVISION HISTORY		BASIC PART NO:	ORL02	DRN:	W.GRIMES	DATE:	15 FEB 78	D I G I T A L			
ENG!	ECD NUMBER	REV	SECTION A OF A	CHK'D:	W.MAJOR	DATE:	15 FEB 78	TITLE PARTS LIST			
---	RL02-CZ002	A	SECTION. VARIATION INDEX					RL02 DISK DRIVE ASSEMBLY			
BM	RL02-CX003	B	[A] 00								
BM	RL02-CX004	C									
KG	RL02-CX006A	D	[B]	DES.ENG.:	B.MILLER	DATE:	15 FEB 78	DOCUMENT NUMBER			
KG	RL02-CX008	E									
KG	RL02-CX009	F	[C]	RESP.ENG.:	B.MILLER	DATE:	15 FEB 78	SIZE	CODE	NUMBER	REV
MZ	RL02-CX010	H									
KG	RL02-CX012	J	[D]					K	PL	RL02-0-DBP	K
KG	RL02-CX013	K	[E]	MFG.ENG.:	D.LICK	DATE:	15 FEB 78				
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
				E-UA-RL02-0-0		* B-DD-RL02-0.		Z0485K.PLS		21	

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
					00
31	31		1213369-00	BELT,WOVEN,ENDLESS,375WX27.148LG	1
32	32		1213686-01	MOUNTING RAIL FOR 12-13686-00	1
33	33		1214330-00	SPRING,EXTENSION,2.5LGX.360D	1
34	34		9006022-01	SCREW,PAN,PHIL 6-32X 3/8 SS	2
35	35		9006035-01	SCREW,PAN,PHIL 8-32X 1/4 SS	6
36	36		9006037-01	SCREW,PAN,PHIL 8-32X 3/8 SS	13
37	37		9006039-01	SCREW,PAN,PHIL 8-32X 1/2 SS	12
38	38		9006633-00	WASHER,LOCK,INT,.2800D X .146ID	4
39	39		9006634-00	WASHER,LOCK,INT,.2300D X .172ID	15
40	40		9006636-00	WASHER,LOCK,INT,.3800D X .200ID	3
41	41		9007079-00	CLAMP,CABLE,SCREW MNT, 1/8"	4
42	42		9008955-01	SCREW,PAN,PHIL 10-32X 15/16SS	3
43	43	D-IA-7015637-0-0	7015637-01	RL02 DATA HEAD "A" DN	1
44	44		9009884-00	WASHER,FLAT,DELKIN .62 OD X.31	4
45	45		9009885-00	WASHER,SPRING	2
46	46	B-MD-7420084-0-0	7420084-00	SHIM,LATCH	A/R
47	47	C-MD-7416865-0-0	7416865-00	BRACKET LATCH	1
48	48	D-MD-7420826-0-0	7420826-00	COVER,DC SERVO BOARD	1
49	49		9006040-01	SCREW,PAN,PHIL 8-32X 5/8 SS	2
50	50		9006653-00	WASHER,FLAT,.375 O.D. X .156 I	3
51	51		1214359-00	WASHER,FLAT,S/S .169ID X .620D X	2
52	52		9006660-00	WASHER,FLAT,.375 O.D. X .187 I	11
53	53		9009759-00	SCREW,FLAT,PHIL 8-32X 3/8	2
54	54		9006454-00	RIVET,BLIND,.156 DIA X .254 LG	10
55	55	B-MD-7420084-0-0	7420084-01	SHIM LATCH	A/R
56	56		3700406-00	INSTR PKG DISK RL01 DRIVE	1
57	57		9007649-00	WASHER,LOCK,EXTERNAL TOOTH #6	5
58	58		9006021-01	SCREW,PAN,PHIL 6-32X 5/16 SS	4
59	59		9008072-00	WASHER,LOCK,EXTERNAL TOOTH #8	21
60	60		9009974-00	WASHER,FLAT,METAL,.62 O.D. X .	2
61	61		3613209-03	LABEL,ELECTRICAL DATA VARIATIO	1
62	62	D-MD-7420068-0-0	7420068-00	SHIELD POSITIONER	1
63	63		3614783-00	LABEL,ADH BACK "DANGER HIGH VOLT	1
64	64	A-DC-7416197-0-0	7416197-02	LABEL,UL	1
65	65		3613211-01	DECAL,CLEAR PREPRINTED CSA 1-1/4	1
66	66		3615687-00	LABEL,ADHESIVE BACK FOR RL02	1
67	67		3615393-05	LABEL,RUB-ON,RL02	1
68	68		3618098-01	LABEL,ATTENTION SHIPPING HDW	1
69	69		9006418-01	SCREW,TAPPING,TYPE TT,PAN,PHIL,	2
70	70	B-MD-7422834-0-0	7422834-00	INSULATOR,HEAD CABLE	1
71	71		9009023-00	WASHER,LOCK,INT,.3300D X .172ID	2
72	72	C-IA-7017608-0-0	7017608-00	*** THIS ITEM IS NOT USED ***	-
73	73	B-IA-7017609-0-0	7017609-00	*** THIS ITEM IS NOT USED ***	-

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RL02 DISK DRIVE ASSEMBLY				RL02-0-DBP	K

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1		9006070-01	SCREW,PAN,PHIL 10-32X 5/16 SS	4
2	2	D-IA-7416326-0-0	7416326-00	CHASSIS	1
3	3		9006028-01	SCREW,PAN,PHIL 6-32X1 SS	1
4	4	C-AD-7012127-0-0	7012127-00	CHASSIS ASSY	1
5	5		9008072-00	WASHER, LOCK, EXTERNAL TOOTH #8	4
6	6		1210430-00	BRACKET,CAPACITOR,2"	1
7	7		1210431-00	BRACKET,CAPACITOR,3-1/16"	1
8	8		1213156-01	BRACKFT,CAPACITOR,WRAP-AROUND	1
9	9		9007016-00	GROMMET, RUBBER	1
10	10		1213683-00	BOOT,CAPACITOR,RUBBER	1
11	11		9007113-00	*** THIS ITEM IS NOT USED ***	-
12	12		9009768-01	BUSHING,STRAIN RELIEF .280-.393W	1
13	13		9007082-00	CLAMP,CABLE,SCREW MTD. 5/16"	3
14	14		9009800-01	SCREW,PAN,PHILLIPS, 6X7/8 SELF-	4
15	15		9009059-01	TAPE,FOAM, 1/2W X 1/4THK W/ ADH	A/R
16	16		9006020-01	SCREW,PAN,PHIL 6-32X 1/4 SS	12
17	17		9006023-01	SCREW,PAN,PHIL 6-32X 7/16 SS	3
18	18		9006036-01	SCREW,PAN,PHIL 8-32X 5/16 SS	4
19	19		9006027-01	SCREW,PAN,PHIL 6-32X 7/8 SS	3
20	20		1013102-00	10 MFD 370VAC 6% PAPER/OIL	1
21	21	D-IA-7012108-0-0	7012108-00	POWER PANEL HARNESS	1
22	22		1215360-00	FILTER,LINE,115/250V,47-400HZ, F	1
23	23		9006633-00	WASHER,LOCK,INT,.2800D X .146ID	11
24	24		1216827-00	CKT BKR 2.5 A 250V 2P MAGNETIC	1
25	25		1209403-01	FAN,115CFM,SLEEVE BRNG	1
26	26	B-IA-7012110-0-0	7012110-00	HARNESS AC-TB	1
27	27		1210263-00	GUARD,FINGER 4.125 X 4.125 MTG H	1
28	28		1613897-00	XFMR P=AB S=11.5@6A	1
29	29		1110051-00	DM 16 ASSY@200V & 25A #990-3	1
30	30		1013530-00	66,000 MFD 30V +75-10% AL EL	1

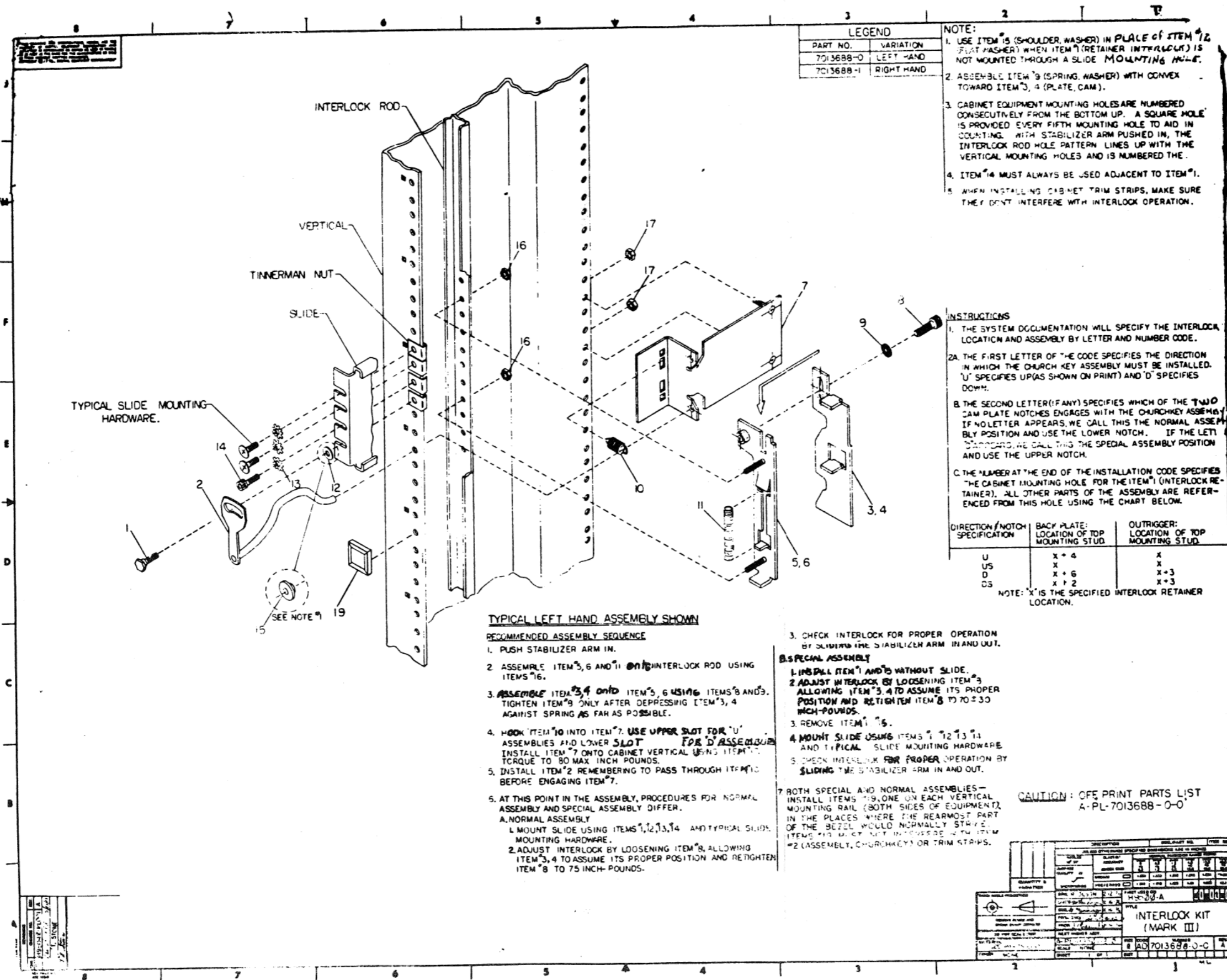
REVISION HISTORY			BASIC PART NO: ORL01	DRN:	D. MELCHOIR	DATE: 12-AUG-76	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	G. SCHNEIDER	DATE: 24-AUG-77	TITLE PARTS LIST			
KG	7012130-CX010	P	SECTION. VARIATION INDEX	CHK'D:	G. SCHNEIDER	DATE: 24-AUG-77	POWER PANEL ASSEMBLY			
KG	RL02-CX008	R	[A] 00							
KG	7012130-CX011	S								
MZ	RL02-CX010	T	[B]	DES.ENG.:	G. SCHNEIDER	DATE: 24-AUG-77				
KG	7012130-CX012	U	[C]				DOCUMENT NUMBER			
IW	7012130-CX013	V	[D]	RESP.ENG.:	P. ARNOLD	DATE: 30-AUG-77				
			[E]				SIZE	CODE	NUMBER	REV
			[F]	MFG.ENG.:	R. RYLANDER	DATE: 30-AUG-77	K	PL	7012130-0-DBP	V
			[G]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
				D-AD-7012130-0-0		B-DD-RL02-0	Z0849V.FLS		17	

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P A R T S L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
					00
31	31		1013531-00	20,000 MFD 40V +75-10% AL EL	1
32	32	B-IA-7012109-0-0	7012109-00	POWER HARNESS	1
33	33		9006560-00	NUT,KEP . 6-32 X5/16AF	6
34	34	C-IA-7012142-0-0	7012142-00	CABLE	1
35	35	B-IA-7012125-0-0	7012125-0E	INTERCONNECT CABLE	1
36	36	B-IA-7012125-0-0	7012125-0B	TR INTERCONNECTOR HARNESS	1
37	37		9006653-00	WASHER, FLAT, .375 O.D. X .156 T	7
38	38		9009800-06	SCREW,PAN,PHILLIPS, 6X.38	3
39	39		9006635-00	WASHER,LOCK,INT,.3100D X .200ID	4
40	40		9007649-00	WASHER, LOCK, EXTERNAL TOOTH #6	8
41	41		9006021-01	SCREW,PAN,PHIL 6-32X 5/16 SS	4
42	42		1211591-35	CONN,ZIF 40PIN RCPT ASSY	2
43	43		1211591-38	CONN,ZIF 40PIN RCPT,SWAP IN GU	4
44	44		9008301-01	SCREW,PAN,PHIL 4-40X 1/4 SS	4
45	45	B-IA-7017609-0-0	7017609-00	GROUND HARNESS	1
46	46	C-IA-7017608-0-0	7017608-00	GROUND HARNESS	1
47	47		9009255-00	LABEL, POWER SUPPLY, 2-15/16" L	1
48	48		3612680-00	DECAL, GROUND SIGN PER 3E6 *	2

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							POWER PANEL ASSEMBLY		K	PL	7012130-0-DBP	V



LEGEND

PART NO.	VARIATION
7013688-0	LEFT HAND
7013688-1	RIGHT HAND

- NOTE:**
- USE ITEM 15 (SHOULDER WASHER) IN PLACE OF ITEM 12 (FLAT WASHER) WHEN ITEM 7 (RETAINER INTERLOCK) IS NOT MOUNTED THROUGH A SLIDE MOUNTING HOLE.
 - ASSEMBLE ITEM 9 (SPRING WASHER) WITH CONVEX TOWARD ITEM 3, 4 (PLATE, CAM).
 - CABINET EQUIPMENT MOUNTING HOLES ARE NUMBERED CONSECUTIVELY FROM THE BOTTOM UP. A SQUARE HOLE IS PROVIDED EVERY FIFTH MOUNTING HOLE TO AID IN COUNTING. WITH STABILIZER ARM PUSHED IN, THE INTERLOCK ROD HOLE PATTERN LINES UP WITH THE VERTICAL MOUNTING HOLES AND IS NUMBERED THE.
 - ITEM 14 MUST ALWAYS BE USED ADJACENT TO ITEM 1.
 - WHEN INSTALLING CABINET TRIM STRIPS, MAKE SURE THEY DON'T INTERFERE WITH INTERLOCK OPERATION.

- INSTRUCTIONS**
- THE SYSTEM DOCUMENTATION WILL SPECIFY THE INTERLOCK LOCATION AND ASSEMBLY BY LETTER AND NUMBER CODE.
 - THE FIRST LETTER OF THE CODE SPECIFIES THE DIRECTION IN WHICH THE CHURCH KEY ASSEMBLY MUST BE INSTALLED. 'U' SPECIFIES UP (AS SHOWN ON PRINT) AND 'D' SPECIFIES DOWN.
 - THE SECOND LETTER (IF ANY) SPECIFIES WHICH OF THE TWO CAM PLATE NOTCHES ENGAGES WITH THE CHURCHKEY ASSEMBLY. IF NO LETTER APPEARS, WE CALL THIS THE NORMAL ASSEMBLY POSITION AND USE THE LOWER NOTCH. IF THE LETTER APPEARS, WE CALL THIS THE SPECIAL ASSEMBLY POSITION AND USE THE UPPER NOTCH.
 - THE NUMBER AT THE END OF THE INSTALLATION CODE SPECIFIES THE CABINET MOUNTING HOLE FOR THE ITEM 7 (INTERLOCK RETAINER). ALL OTHER PARTS OF THE ASSEMBLY ARE REFERENCED FROM THIS HOLE USING THE CHART BELOW.

DIRECTION / NOTCH SPECIFICATION	BACK PLATE: LOCATION OF TOP MOUNTING STUD	OUTRIGGER: LOCATION OF TOP MOUNTING STUD
U	X + 4	X
US	X	X
D	X + 6	X + 3
DS	X + 2	X + 3

NOTE: X IS THE SPECIFIED INTERLOCK RETAINER LOCATION.

TYPICAL LEFT HAND ASSEMBLY SHOWN

RECOMMENDED ASSEMBLY SEQUENCE

- PUSH STABILIZER ARM IN.
- ASSEMBLE ITEM 3, 6 AND 11 ONTO INTERLOCK ROD USING ITEM 16.
- ASSEMBLE ITEM 3, 4 ONTO ITEM 3, 6 USING ITEMS 9 AND 5. TIGHTEN ITEM 9 ONLY AFTER DEPRESSING ITEM 3, 4 AGAINST SPRING AS FAR AS POSSIBLE.
- HOOK ITEM 10 INTO ITEM 7. USE UPPER SLOT FOR 'U' ASSEMBLIES AND LOWER SLOT FOR 'D' ASSEMBLIES. INSTALL ITEM 7 ONTO CABINET VERTICAL USING ITEM 11. TORQUE TO 80 MAX INCH POUNDS.
- INSTALL ITEM 2 REMEMBERING TO PASS THROUGH ITEM 10 BEFORE ENGAGING ITEM 7.
- AT THIS POINT IN THE ASSEMBLY, PROCEDURES FOR NORMAL ASSEMBLY AND SPECIAL ASSEMBLY DIFFER.
 - NORMAL ASSEMBLY
 - MOUNT SLIDE USING ITEMS 1, 2, 3, 14 AND TYPICAL SLIDE MOUNTING HARDWARE.
 - ADJUST INTERLOCK BY LOOSENING ITEM 8, ALLOWING ITEM 3, 4 TO ASSUME ITS PROPER POSITION AND RETIGHTEN ITEM 8 TO 75 INCH-POUNDS.
 - SPECIAL ASSEMBLY
 - INSTALL ITEM 1 AND 5 WITHOUT SLIDE.
 - ADJUST INTERLOCK BY LOOSENING ITEM 8, ALLOWING ITEM 3, 4 TO ASSUME ITS PROPER POSITION AND RETIGHTEN ITEM 8 TO 70-75 INCH-POUNDS.
 - REMOVE ITEM 15.
 - MOUNT SLIDE USING ITEMS 1, 2, 3, 14 AND TYPICAL SLIDE MOUNTING HARDWARE.
 - CHECK INTERLOCK FOR PROPER OPERATION BY SLIDING THE STABILIZER ARM IN AND OUT.

- CHECK INTERLOCK FOR PROPER OPERATION BY SLIDING THE STABILIZER ARM IN AND OUT.
- INSTALL ITEM 1 AND 5 WITHOUT SLIDE.
 - ADJUST INTERLOCK BY LOOSENING ITEM 8, ALLOWING ITEM 3, 4 TO ASSUME ITS PROPER POSITION AND RETIGHTEN ITEM 8 TO 70-75 INCH-POUNDS.
 - REMOVE ITEM 15.
 - MOUNT SLIDE USING ITEMS 1, 2, 3, 14 AND TYPICAL SLIDE MOUNTING HARDWARE.
 - CHECK INTERLOCK FOR PROPER OPERATION BY SLIDING THE STABILIZER ARM IN AND OUT.
- BOTH SPECIAL AND NORMAL ASSEMBLIES - INSTALL ITEMS 19, ONE ON EACH VERTICAL MOUNTING RAIL (BOTH SIDES OF EQUIPMENT), IN THE PLACES WHERE THE REAR MOST PART OF THE BEZEL WOULD NORMALLY STRIKE ITEMS 19 MUST NOT INTERFERE WITH ITEM #2 (ASSEMBLY, CHURCHKEY) OR TRIM STRIPS.

CAUTION: OFF PRINT PARTS LIST
A-PL-7013688-0-0

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	SLIDE	1	EA
2	SCREW	1	EA
3	PLATE	1	EA
4	CAM	1	EA
5	WASHER	1	EA
6	WASHER	1	EA
7	RETAINER INTERLOCK	1	EA
8	SCREW	1	EA
9	SPRING WASHER	1	EA
10	HOOK	1	EA
11	SCREW	1	EA
12	WASHER	1	EA
13	WASHER	1	EA
14	WASHER	1	EA
15	SHOULDER WASHER	1	EA
16	NUT	1	EA
17	WASHER	1	EA
18	WASHER	1	EA
19	BEZEL STOP	2	EA

INTERLOCK KIT (MARK III)

AD 7013688-0-0