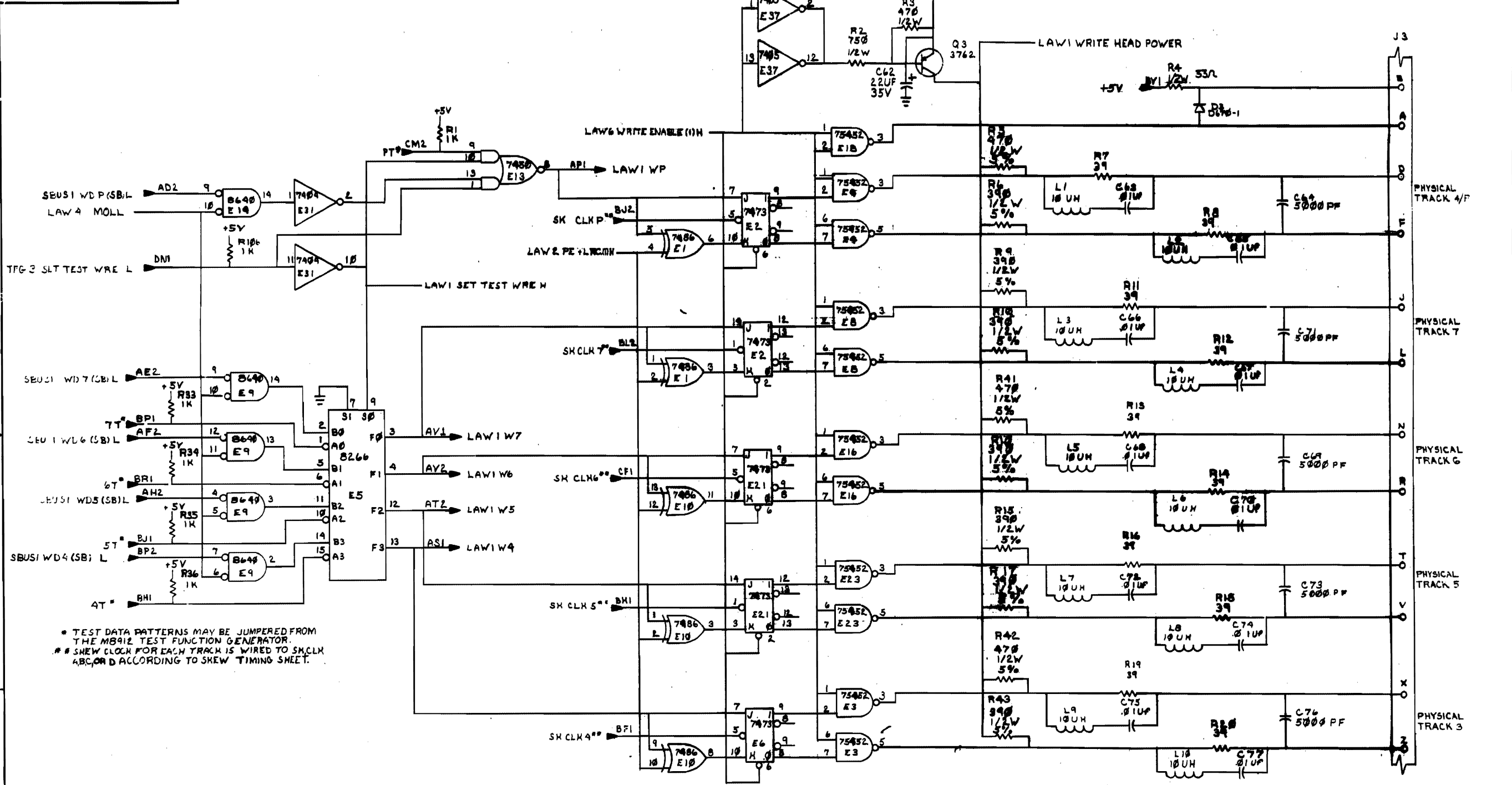


TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
TE16 MAGNETIC TAPE DRIVE		B DD	TE16-ø	



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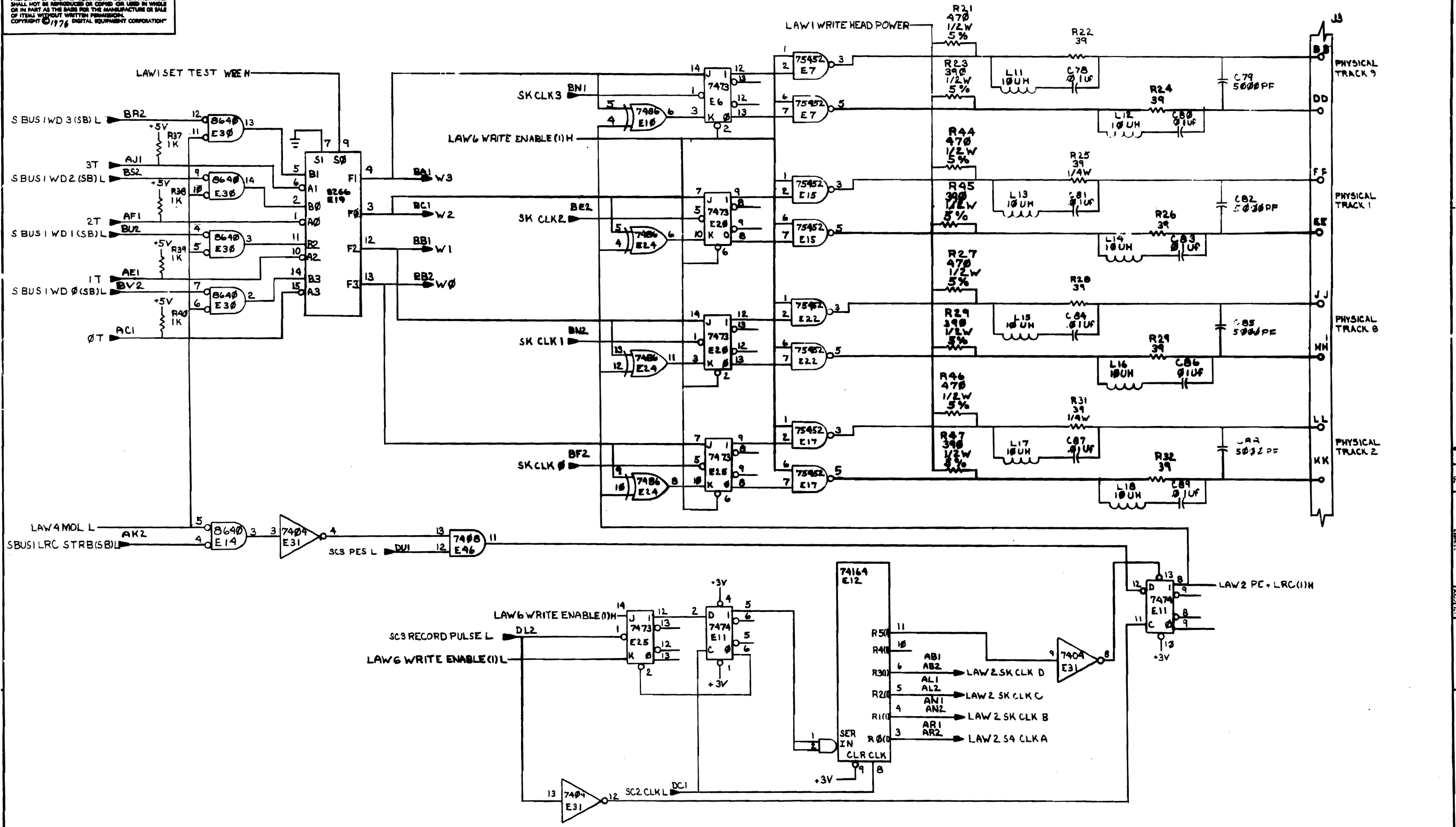


\* TEST DATA PATTERNS MAY BE JUMPERED FROM THE MB912 TEST FUNCTION GENERATOR.  
 \*\* SKEW CLOCK FOR EACH TRACK IS WIRED TO SK CLK ABC OR D ACCORDING TO SKEW TIMING SHEET.

REV	C
CHG	MB916-00001
DESIGNED BY	H. DRAB
DATE	3/22/71
APPROVED BY	AJ
DATE	3/22/71
DESIGNED BY	H. DRAB
DATE	3/22/71
APPROVED BY	AJ
DATE	3/22/71

DRN. G. HOBBS	9-76	FIRST USED ON	1U16-J
CHKD BY		TITLE	LOGIC AND WRITE BOARD (LAW I)
ENL. BY		PROJ. ENG.	
PROD. BY		SCALE	D
NEXT NUMBER ASSY.		SIZE CODE	D
B-00-4896-0-0		NUMBER	1
SCALE		REV.	E
SHEET 1 OF 7		DIST.	

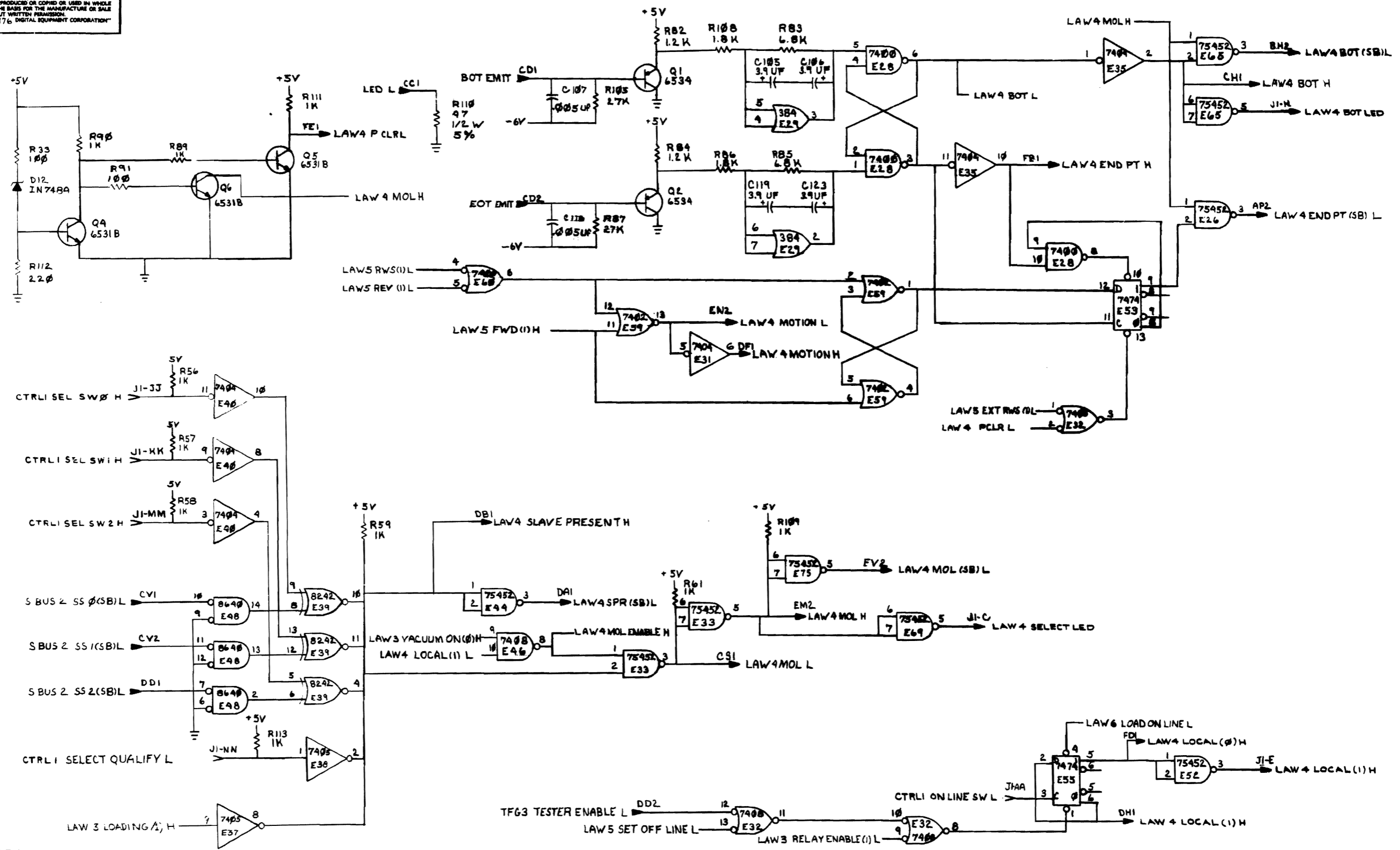
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REVISIONS		
CHK	CHANGE NO.	REV.



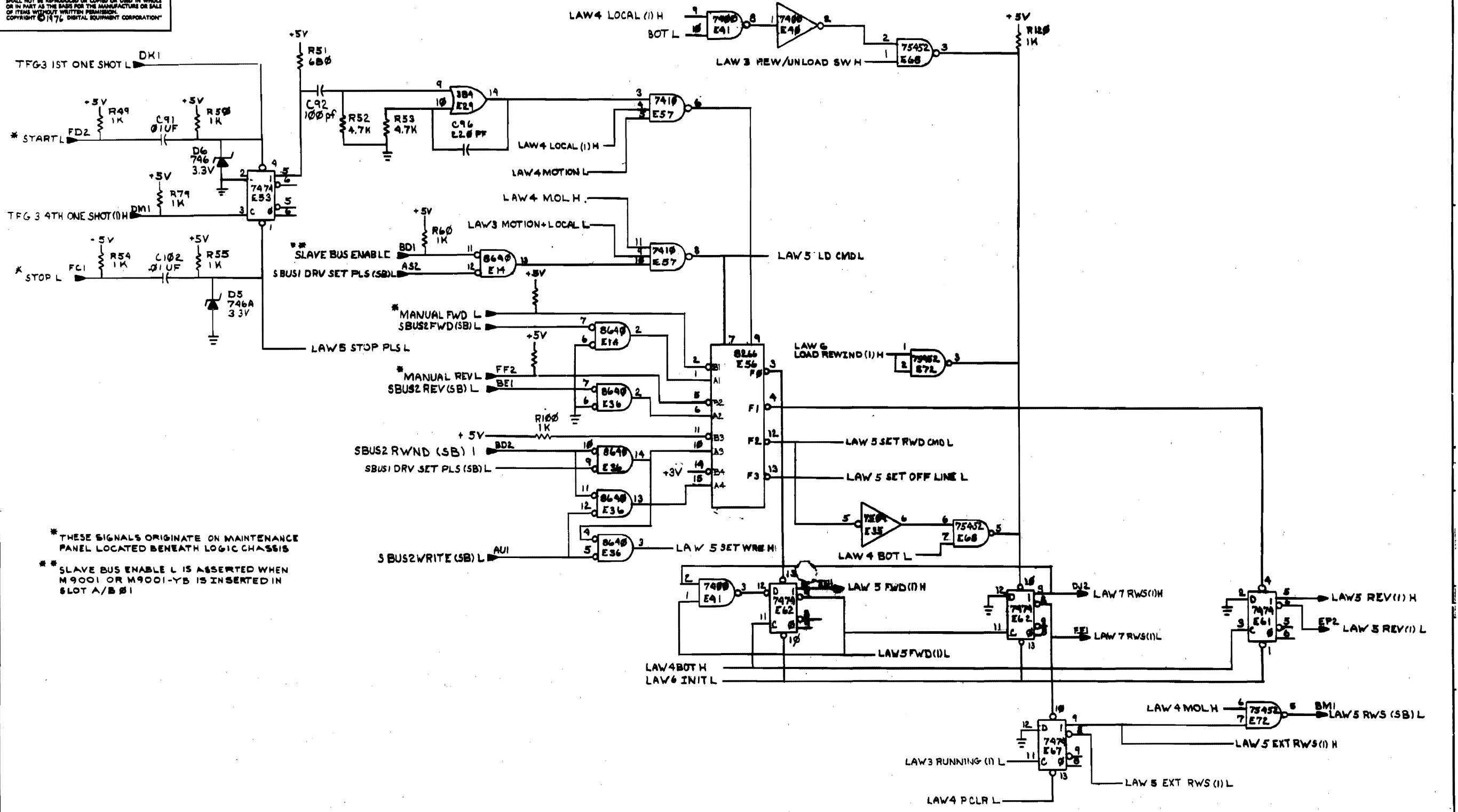
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CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
LOGIC AND WRITE BOARD (LAW4)	D CS	M8916-0-1	E

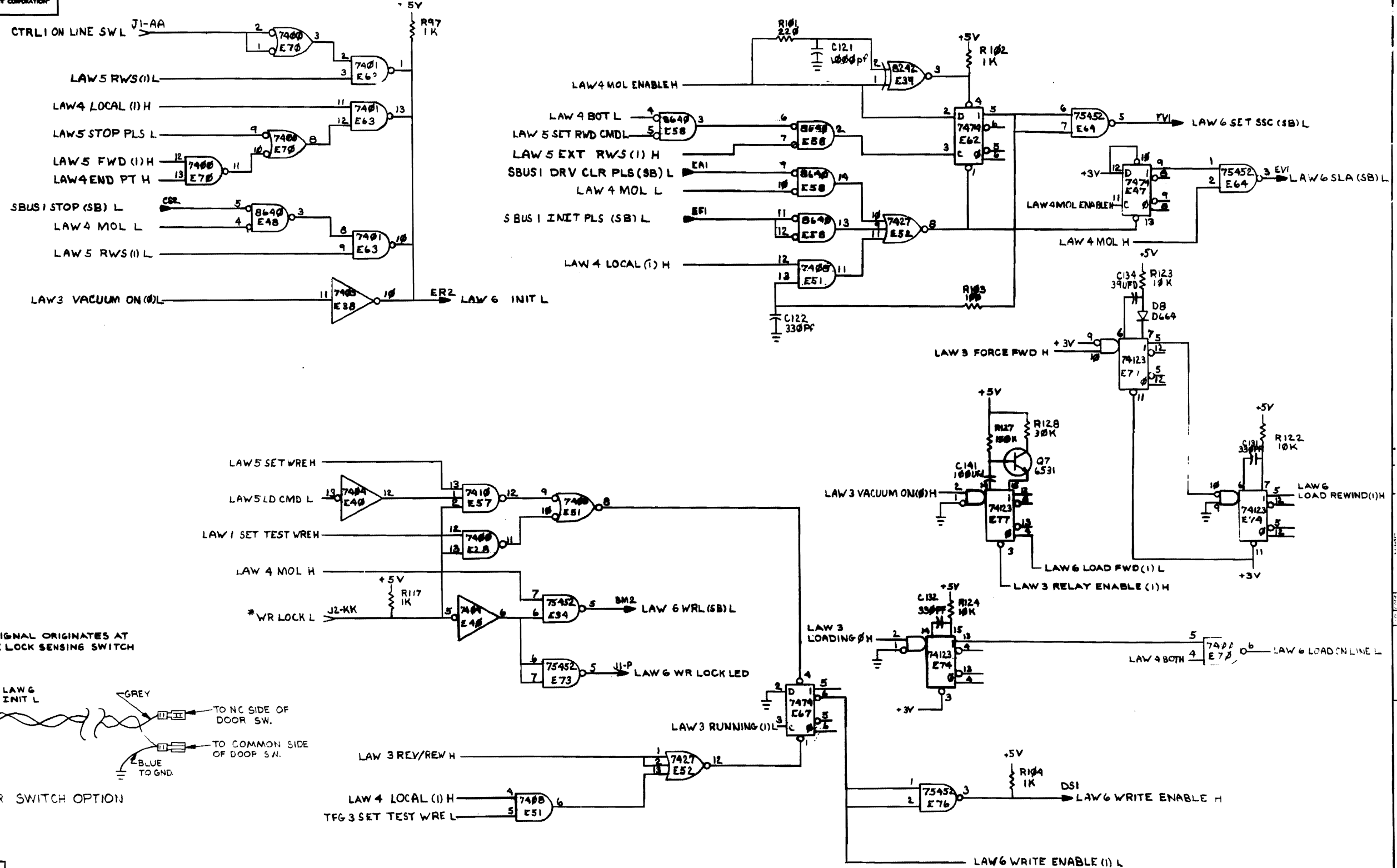
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION



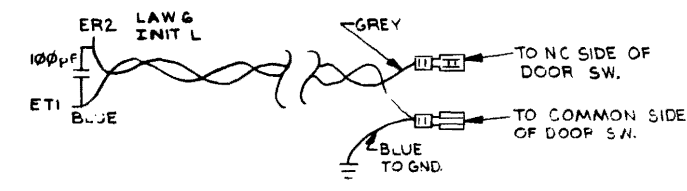
\* THESE SIGNALS ORIGINATE ON MAINTENANCE PANEL LOCATED BENEATH LOGIC CHASSIS  
 \*\* SLAVE BUS ENABLE L IS ASSERTED WHEN M9001 OR M9001-YB IS INSERTED IN SLOT A/B #1

REVISIONS		
CHK	CHANGE NO.	REV.

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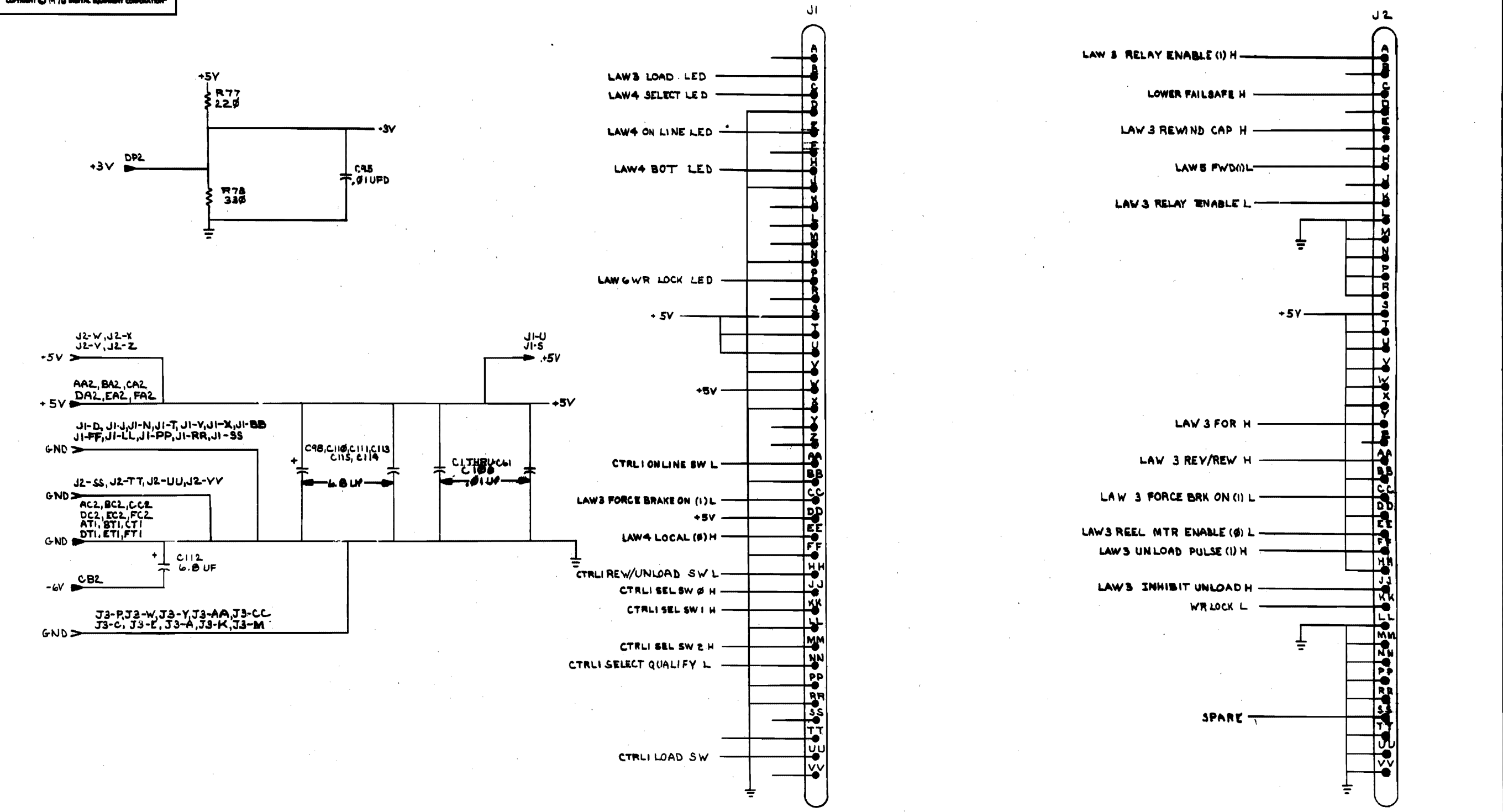
\* THIS SIGNAL ORIGINATES AT WRITE LOCK SENSING SWITCH



DOOR SWITCH OPTION

REVISIONS		
CHK	CHANGE NO.	REV.

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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	LOGIC AND WRITE BOARD LAW1	SIZE CODE	D   CS	NUMBER	M 8916-0-1	REV.	E
SCALE		SHEET	7 OF 7	DIST.			

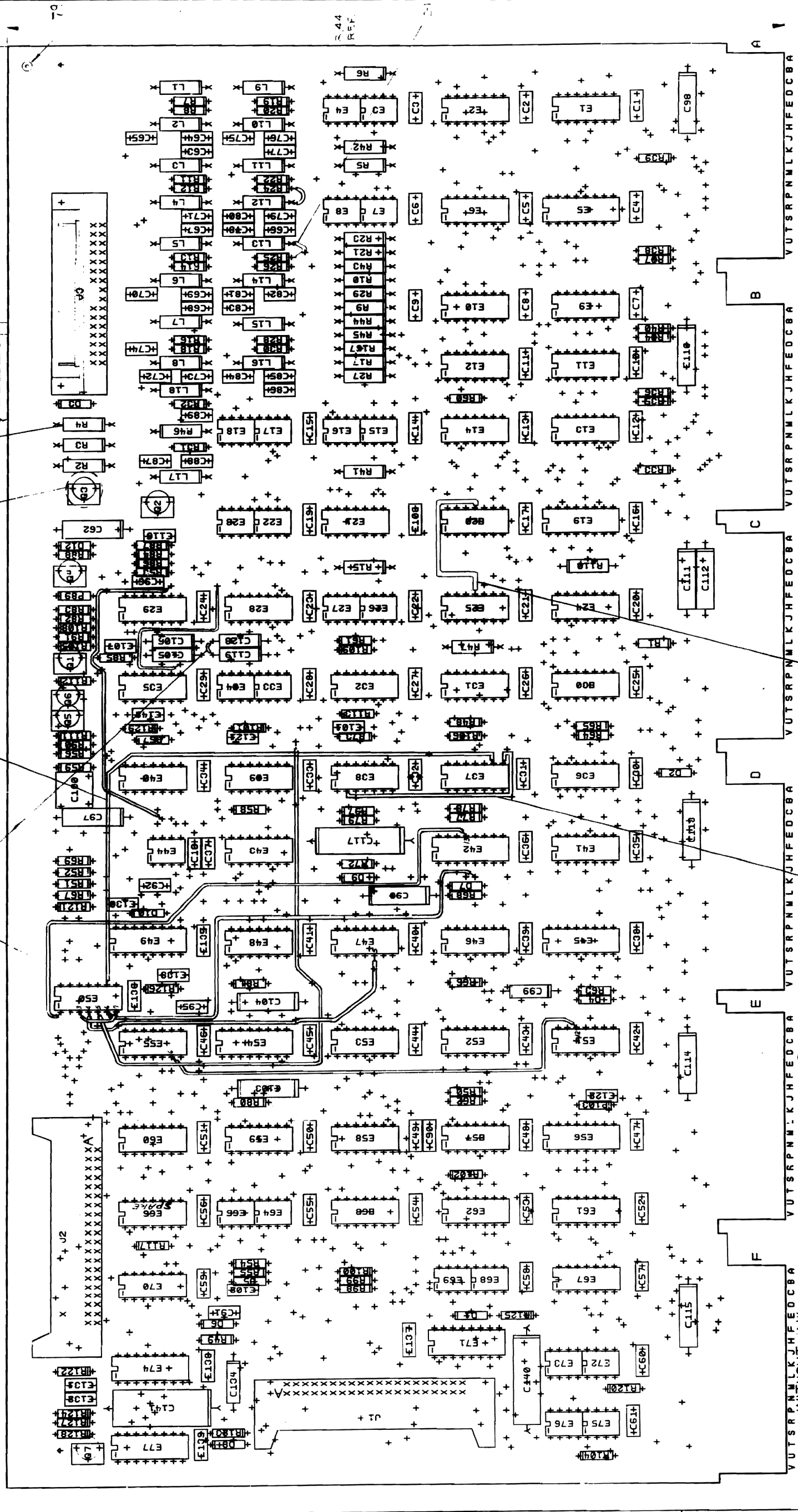
1 2 3 4 5 6 7 8

78

76,77

80

NOTE 3



SIGNATURES		DATE	VUTSRPNMLKJHFE DCBA
DRN. J. FRIEDMAN		10/27/78	VUTSRPNMLKJHFE DCBA
CHK. D. [Signature]		10/27/78	VUTSRPNMLKJHFE DCBA
ENG. [Signature]		10/27/78	VUTSRPNMLKJHFE DCBA
PROJ. ENG. [Signature]		10/27/78	VUTSRPNMLKJHFE DCBA
SCALE 2/1	OF 8		VUTSRPNMLKJHFE DCBA
TITLE LOGIC BOARD			VUTSRPNMLKJHFE DCBA
WRITE BOARD			VUTSRPNMLKJHFE DCBA
SIZE CODE	NUMBER	REV	VUTSRPNMLKJHFE DCBA
0 JA	MS916-0-0	E	VUTSRPNMLKJHFE DCBA
ETCH REV. C			VUTSRPNMLKJHFE DCBA
P.L.S. DESIGN DATA BOARD REV. C.			VUTSRPNMLKJHFE DCBA

CHANGE NO	REV	DESCRIPTION
001	C	D. ZUCKER
002	D	H. DRAB
003	E	H. DRAB
004	F	H. DRAB
005	G	H. DRAB
006	H	H. DRAB
007	I	H. DRAB
008	J	H. DRAB
009	K	H. DRAB
010	L	H. DRAB
011	M	H. DRAB
012	N	H. DRAB
013	O	H. DRAB
014	P	H. DRAB
015	Q	H. DRAB
016	R	H. DRAB
017	S	H. DRAB
018	T	H. DRAB
019	U	H. DRAB
020	V	H. DRAB
021	W	H. DRAB
022	X	H. DRAB
023	Y	H. DRAB
024	Z	H. DRAB

NOTES: **WITHOUT LINK**

1. CHECK COMPONENTS FOR VALUE AND PLACEMENT.
2. ADD WIRE E50-9 TO E57-PINS.
3. ADD WIRE E57-B TO E59-2.
4. DELETE COMPONENT R4 (ON J3-0024-00).
5. ADD COMPONENT R4 (ON J3-00195-00).

ECO #1: 1-1. ADD WIRE E50-9 TO E57-PINS.

ECO #2: 1-1. ADD WIRE E57-B TO E59-2.

ECO #3: 1-1. DELETE COMPONENT R4 (ON J3-0024-00).

ECO #4: 1-1. ADD COMPONENT R4 (ON J3-00195-00).

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	B-DD-M8916-0-0		DWG, DIRECTORY		REF
2	2	D-UA-M8916-0-0		UNIT ASSY		REF
3	3	U-CS-M8916-0-1		CIRCUIT SCHEMATIC		REF
4	4	D-MD-5012345-0-0		DRILL & ETCH DWG.		REF
5	5		5012345-00	M8916		1
6	6		1000021-00	220.0 MMF 100V 50200PPM DM158	(10-00)	1 C96
7	7		1000023-00	330.0 MMF 100V 50200PPM DM158	(10-00)	4 C122,C130-C132
8	8		1000043-00	1000.0 MMF 250V 20% Y5F DISC8		3 C121,C133,C142
9	9		1000064-00	3.9MFD 10V 10% 150D 8,TA	(10-00)	6 C99,C105,C106,C119,C123,C134
10	10		1000076-00	39 MFD 10V 10% 150D 8,TA	(10-00)	3 C93,C97,C104
11	11		1004812-00	15 MFD 20V 10% 150D 8,TA	(10-00)	1 C103
12	12		1001774-00	.05 MFD 25V X% Y5U DISC		1 C100
13	13		1002433-00	22 MFD 35V 20% 150D 8,TA	(10-00)	1 C62
14	14		1009808-00	330 MFD 10V 20% 145D TANT		2 C117,C140
15	15		1005306-00	6.8MFD 35V 10% 150D 8,TA	(10-00)	7 C98,C110-C115
16	16		1001765-00	5000.0 MMF 100V 20% Z5U DISC8		11 C64,C69,C71,C73,C76,C79,C82, CONT C85,C88,C107,C116
17	17		1001610-01	.01 MFD 100V OR 50V Z5U DISC/500PF MIN		89 C1-C61,C65-C68,C63,C70,C72, CONT C74,C75,C77,C78,C80,C81,C83, CONT C84,C86,C87,C89,C91,C95,C101, CONT C102,C108,C135-C139
18	18		1000024-00	470.0 MMF 100V 50200PPM DM158	(10-00)	1 C90
19	19		1000016-00	100.0 MMF 100V 50200PPM DM158	(10-00)	1 C92
20	20		1004815-00	100 MFD 20V 10% 150D 8,TA	(10-00)	1 C141
21	21		1100114-00	D 664 QS\75PCB PIV= 25V 8P		7 D1,D2,D4,D7-D10
22	22		1100122-00	1N 748A VZ= 3.9 5%		1 D12
23	23		1102162-00	D 670-1PIV=100 I=,13		1 D3
24	24		1104860-00	1N 746A VZ= 3.3 5%		2 D5,D6
25	25		1209941-02	HEADER 100 40POS RT ANGLE 8		2 J1,J12
26	26		1210067-02	EDGE CARD 28PIN BLADE KEY 2		1 J3

REVISION HISTORY			VARIATIONS FOR THIS ASSY.		FIRST USED ON: TE16		DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHK	ECO NO	REV			MADE BY:	DATE:	TITLE			
D,R	00003	E	00		H.WEINBRENNER	15-MAY-78	PARTS LIST			
					P.BOSSMAN	15-MAY-78	LOGIC AND WRITE BOARD			
					DSN,ENG.: H.DRAB	15-MAY-78	SIZE:	CODE:	DOCUMENT NUMBER	REV
					PROD.: G.DILLARD	15-MAY-78	K	PL	M8916-0-DBP	E
					RESP,ENG.: H.DRAB	15-MAY-78	ASSY,NO.:	D-UA-M8916-0-0		EDIT#
										4

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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
27	27		1300195-00	33 1/2W 5%	1	R4
28	28		1300271-00	220 1/4W 5%	5	R66,R77,R101,R112,R129
29	29		1300295-00	330 1/4W 5%	1	R78
30	30		1300315-00	470 1/2W 5%	10	R3,R5,R9,R15,R21,R27,R41,R42, R44,R46
31	31		1300365-00	1 K 1/4W 5%	35	R1,R33=R40,R48=R50,R54=R61, R79,R89,R90,R97=R100,R102, R104,R106,R109,R111,R113,R117, R120
32	32		1300398-00	1.8 K 1/4W 5%	2	R06,R108
33	33		1300444-00	3.9 K 1/4W 5%	2	R64,R67
34	34		1300447-00	4.7 K 1/4W 5%	2	R52,R53
35	35		1300479-00	10 K 1/4W 5%	6	R63,R68,R121=R124
36	36		1300488-00	12 K 1/4W 5%	1	R69
37	37		1301320-00	1.2 K 1/4W 5%	3	R73,R82,R84
38	38		1301423-00	6.8 K 1/4W 5%	2	R83,R85
39	39		1301424-00	680 1/4W 5%	1	R51
40	40		1302177-00	47 K 1/4W 5%	2	R72,R125
41	41		1302377-00	39 1/4W 5%	10	R7,R8,R11=R14,R16,R18=R20,R22, R24=R26,R28,R30=R32
42	42		1305346-00	27 K 1/4W 5%	2	R07,R105
43	43		1300229-00	100 1/4W 5%	4	R02,R08,R91,R103
44	44		1300354-00	750 1/2W 5%	1	R2
45	45		1302391-00	20 K 1/4W 5%	2	R00,R126
46	46		1301695-00	47 1/2W 5%	1	R110
47	47		1300308-00	390 1/2W 5%	9	R6,R10,R17,R23,R29,R45,R4J, R47,R107
48	48		1301808-00	22 K 1/4W 5%	1	R01
49	49		1300219-00	68 1/4W 5%	1	R65
50	50		1302396-00	150 K 1/4W 5%	1	R127
51	51		1302394-00	30 K 1/4W 5%	1	R128
52	52		1503409-01	DEC6534B PNP 310MW SI 40 90 P	2	Q1,Q2
53	53		1509330-00	DEC6531B NPN 310MW SI 40 90 P	4	Q4=Q7
54	54		1509649-00	DEC3762 PNP 4WC SI 40 30 MS	1	Q3
55	55		1609477-00	10. UH 10% 450MA 05WD10	10	L1=L10
56	56		1905547-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ	8	E11,E47,E50,E53,E55,E61,E62, E67
57	57		1905575-00	7400 NAND GATE=QUAD 2IN	4	E20,E41,E60,E70
58	58		1905576-00	7410 NAND GATE=TRIPLE 3IN	1	E57
59	59		1910645-00	75452 DRIVER,PERIPH,DUAL,NAND	1	E44
60	60		1905587-00	DEC 7473 FF-JK DUAL,MASTER SLAVE,10MHZ	5	E2,E6,E20,E21,E25
61	61		1905590-00	DEC 7401 NAND GATE=QUAD 2IN,OPN COLLECT	1	E63
62	62		1909004-00	DEC 7402 NOR GATE=QUAD 2IN	2	E43,E59
63	63		1909486-00	DEC 384 OR GATE=QUAD 2IN,UTILOGIC	1	E29
64	64		1909686-00	7404 INVERTER GATE=HEX 1IN	3	E31,E35,E40
65	65		1909712-00	DEC 8242 COMPARATOR=4BIT N,OPN COLL,	1	E39
66	66		1909930-00	7405 INVERTER GATE=HEX 1IN,OPEN COL	2	E37,E38
67	67		1909934-00	8266 MUS 1 OF 2 (QUAD)	3	E5,E19,E56

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE LOGIC AND WRITE BOARD	PARTS LIST	SIZE K	CODE PL	DOCUMENT NUMBER MU916-0-DBP	REV E
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LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
68		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPUT	3	E1, E10, E24
69		1910041-00	DEC 74164 SHIFT REG., 8BIT SERIAL IN/OUT	1	E12
70		1910155-00	DEC 7400 AND GATE, POS. QUAD 2IN 14	3	E32, E46, E51
71		1910426-00	DEC 74123 ONE SHOT-DUAL, RETRIGGERABLE	7	E42, E45, E49, E50, E77, E71, E74
72		1910070-00	DEC 7427 NOR GATE-TRIPLE 3IN	1	E52
73		1911469-00	DEC 8640 RECEIVER, BUS, QUAD, UNIBUS, 0-8U	6	E9, E14, E30, E30, E40, E50
74		1905500-00	DEC 7450 A-0-1 XPRDLE GATE-DUAL 2X2	1	E13
75		1910645-01	DEC 75452 DRIVER, PERIPH, DUAL, NAND	22	E3, E4, E7, E9, E15, E16, E17, E19, E22, E23, E26, E27, E33, E34, E64, E65, E68, E69, E72, E73, E75, E76
76	SEE NOTE 81	9007201-00	TRANSIPADS 010253	1	
77		1210001-00	HEAT SINK - 2201 RED	1	
78		1210711-02	HANDLE ASSY, MOD DOENLER-JARVIS	1	
79		9006732-00	EYELET, ROLLED FLANGE, .121 OD X .219 LG	12	
80		9105740-55	WIRE(WRAP)30AWG U1423 (91-00 A/R	1	

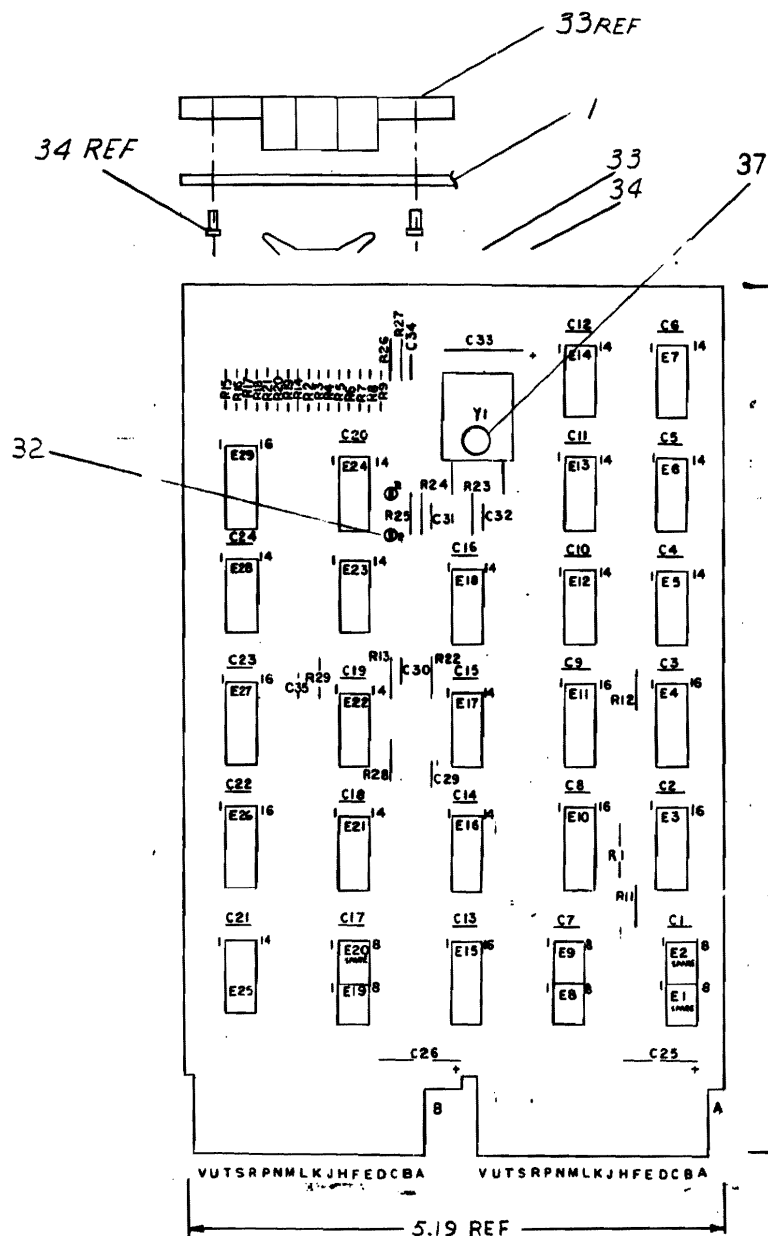
81 NOTE: USE FOR 03

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE LOGIC AND WRITE BOARD	PARTS LIST	SIZE CODE K	DOCUMENT NUMBER M8916-0-00	REV E
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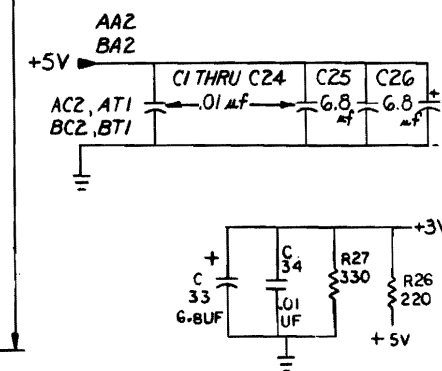
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**NOTES:**



REF	REF	REF	REF	REF	X-Y COORDINATE HOLE LOCATION	K-CO-M8911-0-4	REF	
REF	REF	REF	REF	REF	ASSY/DRILLING HOLE LAYOUT	D-MH-M8911-0-5	REF	
REF	REF	REF	REF	REF	MODULE ECO HISTORY	B-MH-M8911-0-6	REF	
1	1	1	1	1	ETCHED CIRCUIT BOARD	5010471	1	
25	25	25	25	25	C1 THRU C24, C34	CAP .01 MF	1001610	2
2	2	2	2	2	C29, C30	CAP 1000PF	1000042	3
2	2	2	2	2	C31, C32	CAP .047MF	1009678	4
3	3	3	3	3	C25, C26, C28	CAP 6.8 MF	1005306	5
3	3	3	3	3	R13, R27, R28	RES 330 1/4 W 5%	1300295	7
3	3	3	3	3	RES THRU R25	RES 10K 1/4 W 5%	1300479	8
17	17	17	17	17	R1 THRU R9, R13 THRU R21	RES 27K 1/4 W 5%	1300426	9
3	3	3	3	3	R11, R12, R22	RES 1K 1/4 W 5%	1300365	10
2	2	2	2	2	R26, R29	RES 220 1/4 W 5%	1300271	11
1	1	1	1	1	Y1	CRYSTAL 2.304 MHz	1811110	12
2	2	2	2	2	E23, E28	IC 74197	1910085	13
3	3	3	3	3	E6, E12, E25	IC 7402	1909686	14
3	3	3	3	3	E8, E4, E10	IC 74161	1910650	15
3	3	3	3	3	E5, E13, E18	IC 7402	1909002	16
1	1	1	1	1	E11	IC 7476	1905385	17
2	2	2	2	2	E15, E26	IC 8266	1909934	18
2	2	2	2	2	E7, E14	IC 11380	1911113	19
1	1	1	1	1	E24	IC 380	1912549	20
3	3	3	3	3	E8, E9, E19	IC 74552	1910645	21
1	1	1	1	1	E17	IC 7400	1905575	22
1	1	1	1	1	E46	IC 7408	1910155	23
1	1	1	1	1	E22	IC 7486	1910011	24
1	1	1	1	1	E21	IC 7430	1905578	25
-	-	-	-	-	E27	ROM, MOTION DELAY, 3TRK	23067A1	26
1	1	1	1	1	E29	ROM, SKEW DELAY	23087A1	27
-	-	-	-	-	E27	ROM, MOTION DELAY FOR M8911-YB	23180A1	28
							29	
							30	
							31	
2	2	2	2	2	LUG, SFLIT	9006735	32	
2	2	2	2	2	HANDLE, FLIP CHIP, M8911	9008337-6	33	
4	4	4	4	4	EYELET	9006732	34	
1	1	1	1	1	C35	CAP .005UF, 100V, 20%, D73C	1001765	35
-	-	-	-	-	E27	ROM, MOTION DELAY, 1TRK	23147A1	36
1	1	1	1	1		BUMPER, RUBBER SELF STICK	9009531	37
-	-	-	-	-	E27	PROM, MOTION DELAY, GAPLESS	23221A1-00	38
1	-	-	-	-	E27	PROM, MOTION DELAY, SHORT BOT	23221A1-00	39



IC TYPE	GND	+5V
5600	8	16
8266	9	16
75452	4	8
7476	13	5
74161	8	16

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

**IC PIN LOCATIONS**

REV	DATE	BY	CHK	CHANGE NO.
1	2-5-78	H. DRAB		
2	6 JAN 78	A. CHAMBERLAIN		
3	3-10-78	H. DRAB		
4	3-17-77	J. JESS		
5	7-FEB-77	G. B. SMITH		
6	1-15-76	H. DRAB		
7	14 SEPT 76	H. DRAB		
8	9-9-76	H. DRAB		
9	6-24-76	H. DRAB		
10	12-16-75	J. JESS		
11	4-1-75	J. JESS		
12	11-26-74	J. JESS		
13	11-26-74	J. JESS		

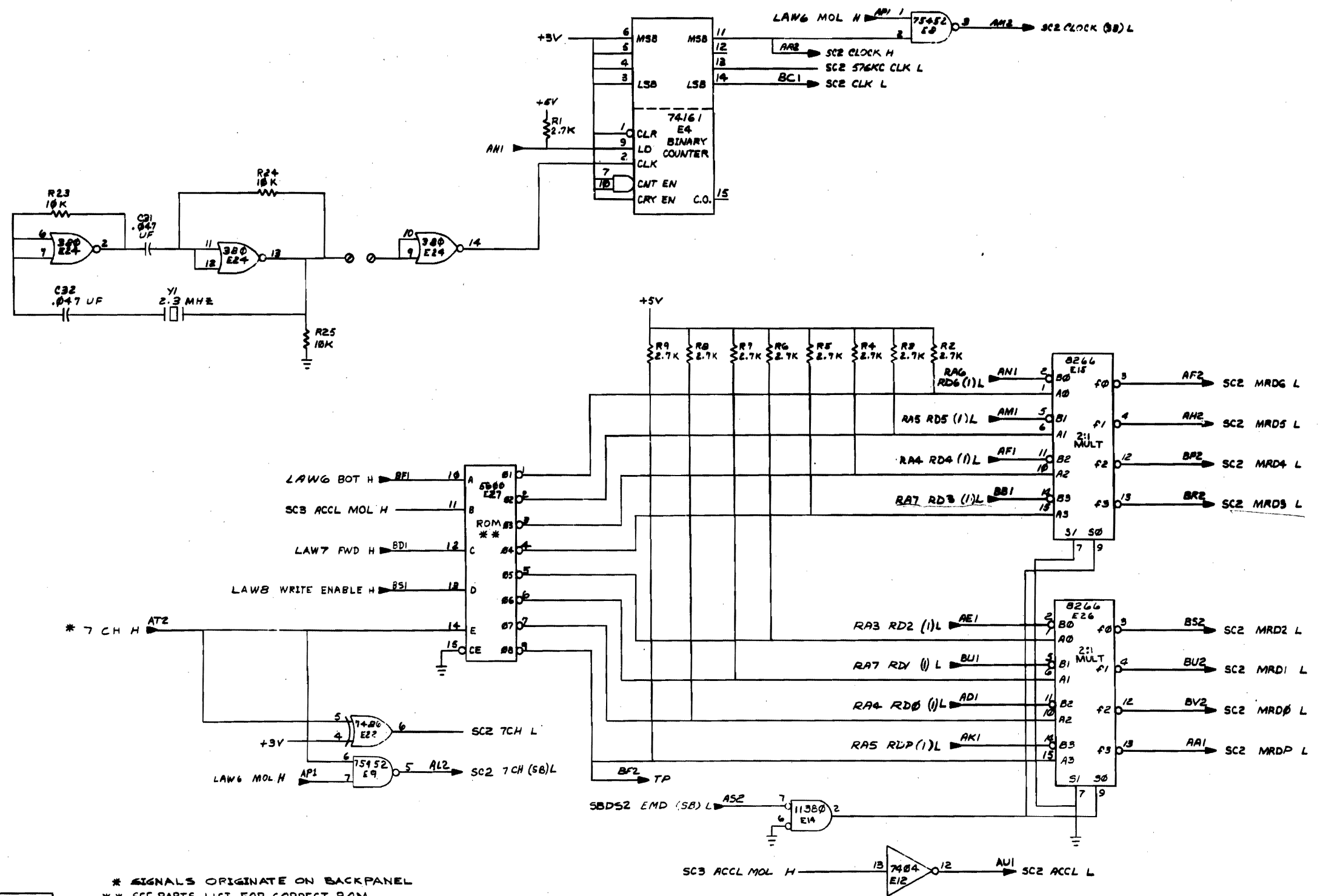
FIRST USED ON OPTION MODEL TU16-  
ETCH BOARD REV E

**PARTS LIST**

QTY	QTY	QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
			M8911-YD			
			M8911-YC			
			M8911-YB			
			M8911-YA			
			M8911			

DATE: 10-17-79  
TITLE: SLAVE CLOCK (SCI) MOTION DELAY  
EQUIPMENT CORPORATION  
SCALE: 1 OF 3 SHEET

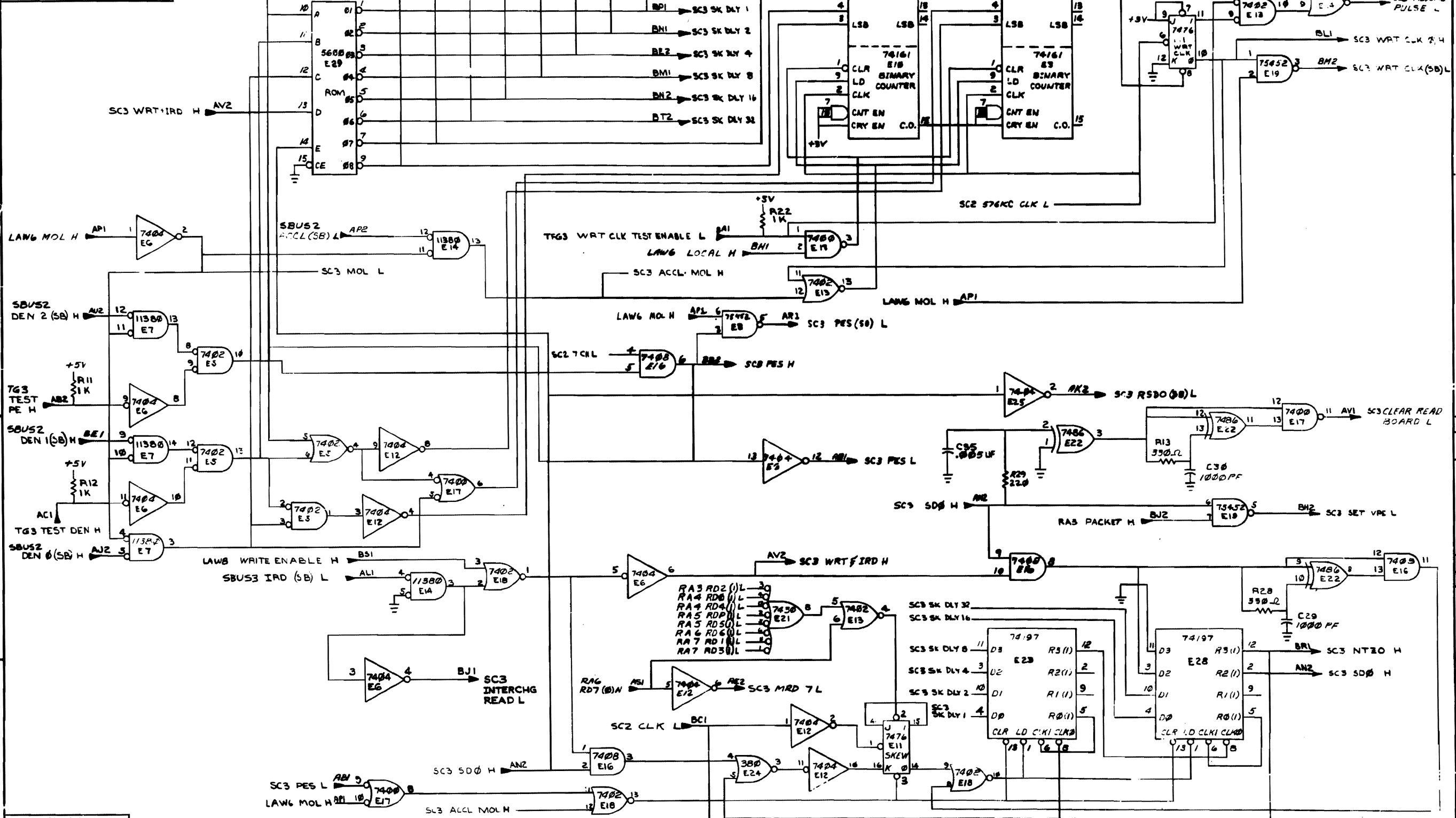
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\* SIGNALS ORIGINATE ON BACKPANEL  
 \*\* SEE PARTS LIST FOR CORRECT ROM PART NUMBER

REVISIONS		
CHK	CHANGE NO.	REV.

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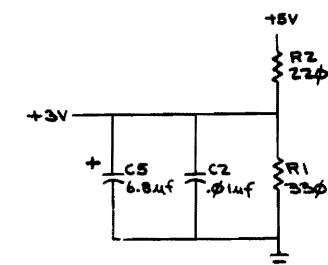
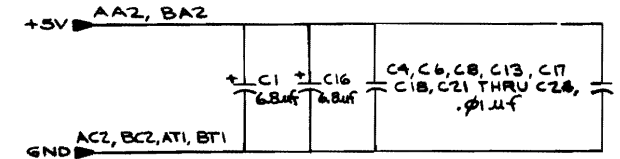
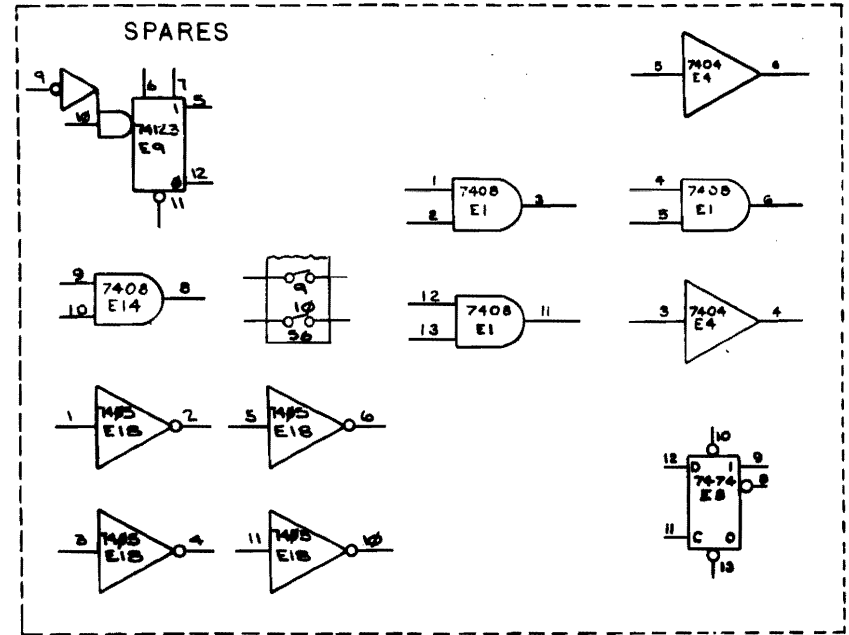


REVISIONS		
CHK	CHANGE NO	REV

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**NOTES:**

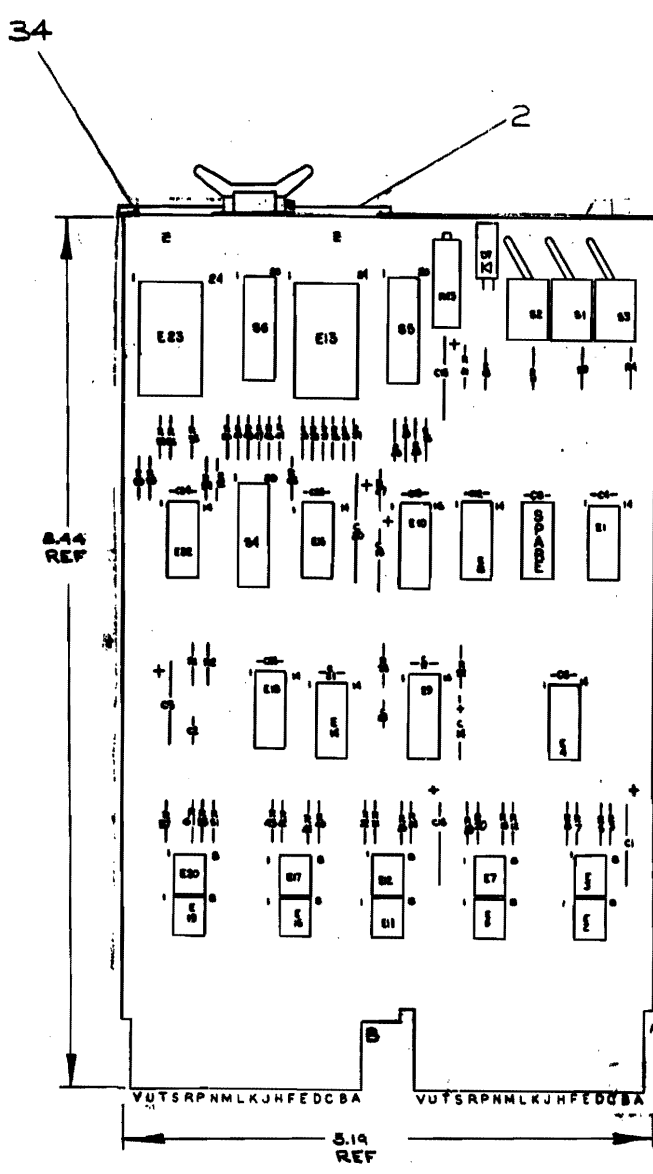
DASH VAR	DESCRIPTION
-01	TWO PARTS IN ONE 16 PIN CARRIER



IC TYPE	GND	+5V
74199	12	24
78452	4	8
74123	8	16

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

**IC PIN LOCATIONS**



REF	QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF			X-Y COORDINATE HOLE LOCATION	K-CO-M8912-0-4	1
REF			ASSY/DRILLING HOLE LAYOUT	D-AH-M8912-0-6	2
REF			MODULE ECO HISTORY	B-MH-M8912-0-6	3
1			ETCHED CIRCUIT BOARD	5010614	4
1			HANDLE, FLIP-CHIP, MAGENTA	900837-06	5
1					6
1		C25	CAP 470 PF 100V 5% D.M.	1000024	7
2		C19, C19	CAP 3.9 uF 100V 10% TANT	1000064	8
17		C2, C4, C17, C18, C21-24, C8, C9, C13	CAP .01 uF 100V 20% DISC	1001610-01	9
1		C15	CAP 10 uF 20V 10% TANT	1004813	10
1		C20	CAP 100 uF 20V 10% TANT	1004815	11
3		C1, C5, C16	CAP 6.8 uF 35V 10% TANT	1005306	12
1					13
1		D7	DIODE, LIGHT EMITTING	1110324	14
1		R33	RES 150 1/4 W 5%	1300250	15
1		R2	RES 220 1/4 W 5%	1300271	16
1		R1	RES 330 1/4 W 5%	1300295	17
5		R4, R8, R11, R10, R61	RES 1K 1/4 W 5%	1300365	18
48		R3, R5, R7, R9, R12, R13, R14 THRU R21, R24, R25, R24, R28 THRU R32, R34 THRU R39, R41 THRU R60	RES 4.7K 1/4 W 5%	1300447	19
1		R22	RES 10K 1/4 W 5%	1300479	20
1		R27	RES 15K 1/4 W 5%	1300496	21
1		R18	RES 270 1/4 W 5%	1301972	22
1		R23	RES 50K 3/4 W 10% T6 PR	1309143-12	23
1					24
1		E4	IC 7404	1909686	25
2		E15, E22	IC 74197	1910035	26
2		E1, E14	IC 7408	1910155	27
2		E9, E10	IC 74123	1910436	28
5		E2, E3, E6, E7, E11, E12, E16, E17, E18, E20	IC 78452	1910445-01*	29
8		E13, E23	IC 74199	1910842	30
1		E8	IC 7474	1905347	31
1		E18	IC 7405	1909930	32
3		S1, S2, S3	SWITCH, TOGGLE	1210209-00	33
3		S4, S5, S6	SWITCH, DIP OF 10	1211164-06	34
2			EYELET	7006732	35

\* NOTE

FIRST USED ON OPTION MODEL: TU16

ETCH BOARD REV: D

REVISIONS:

DATE: 12-5-73

DATE: 12/20/73

DATE: 1/11/74

DATE: 1/11/74

DATE: 1-2-74

SCALE: 1 OF 3

SHEET: 1 OF 3

SEMICONDUCTOR CONVERSION CHART

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

SIZE/CODE: DCS M8912-0-1

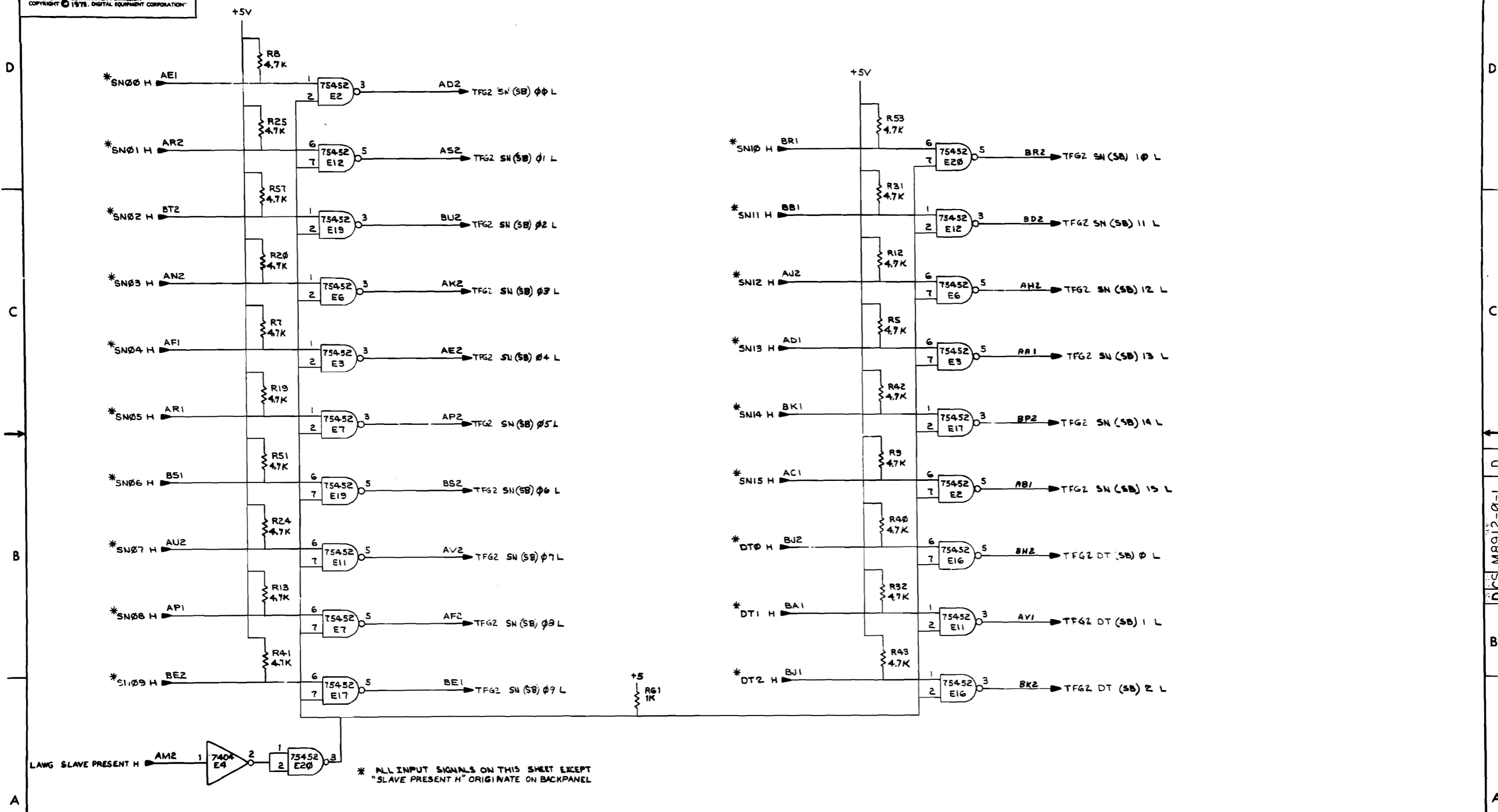
NUMBER: D

REV. NO.:



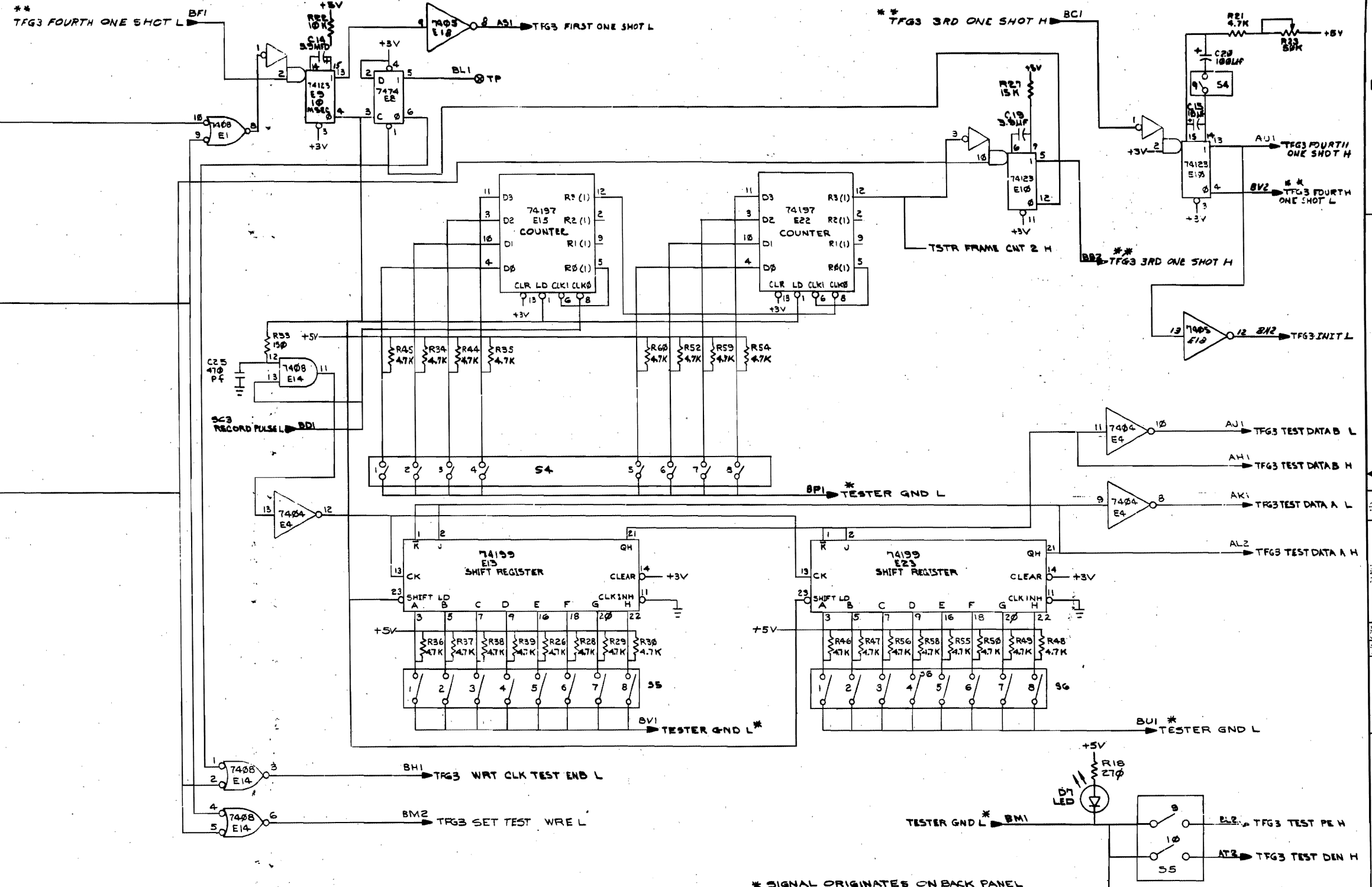
TITLE: SLAVE TEST (TFGI) FUNCTION GENERATOR

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REVISIONS		
CHK	CHANGE NO	REV

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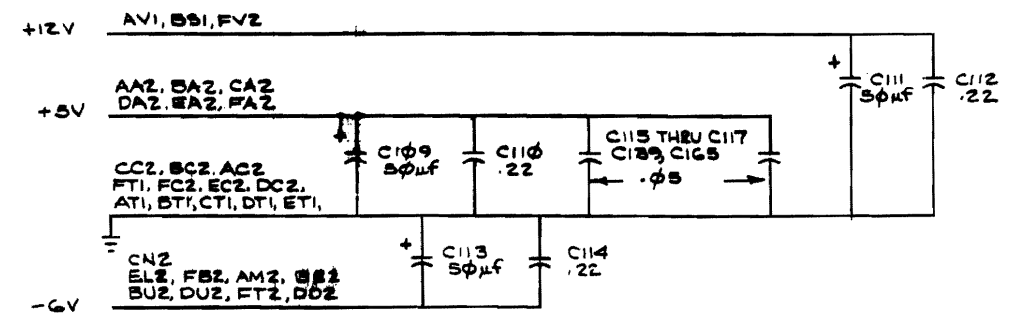
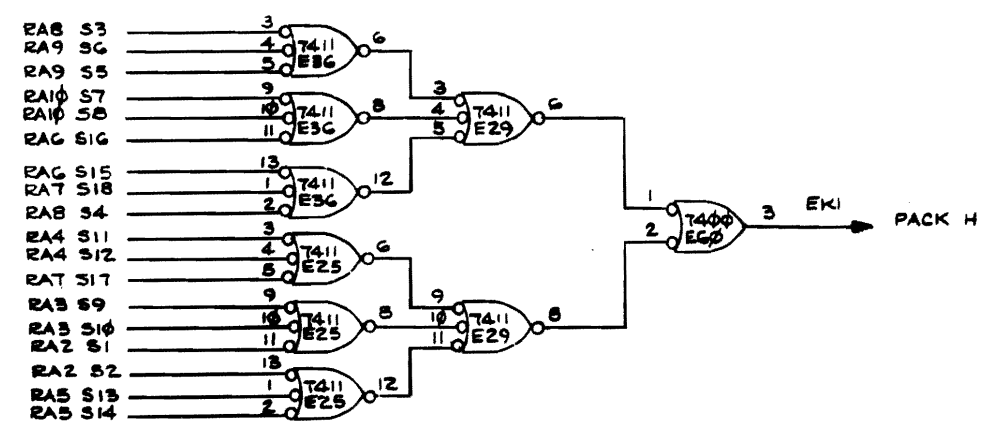
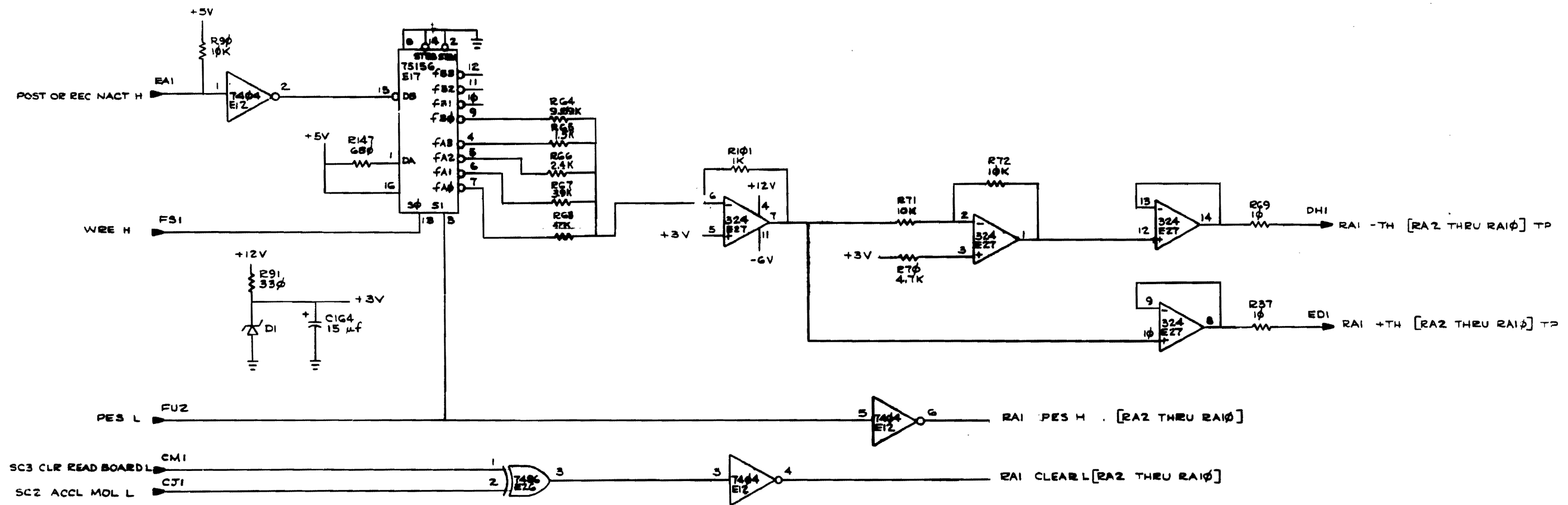
\* SIGNAL ORIGINATES ON BACK PANEL  
 \*\* SIGNALS CONNECTED BY BACK PANEL ONLY

REVISIONS		
CHK	CHANGE NO	REV

TITLE	SLAVE TEST (TFG3) FUNCTION GENERATOR	SIZE CODE	D KS	NUMBER	M8912-0-1	REV.	D
SCALE		SHEET	3	OF	3	DIST.	

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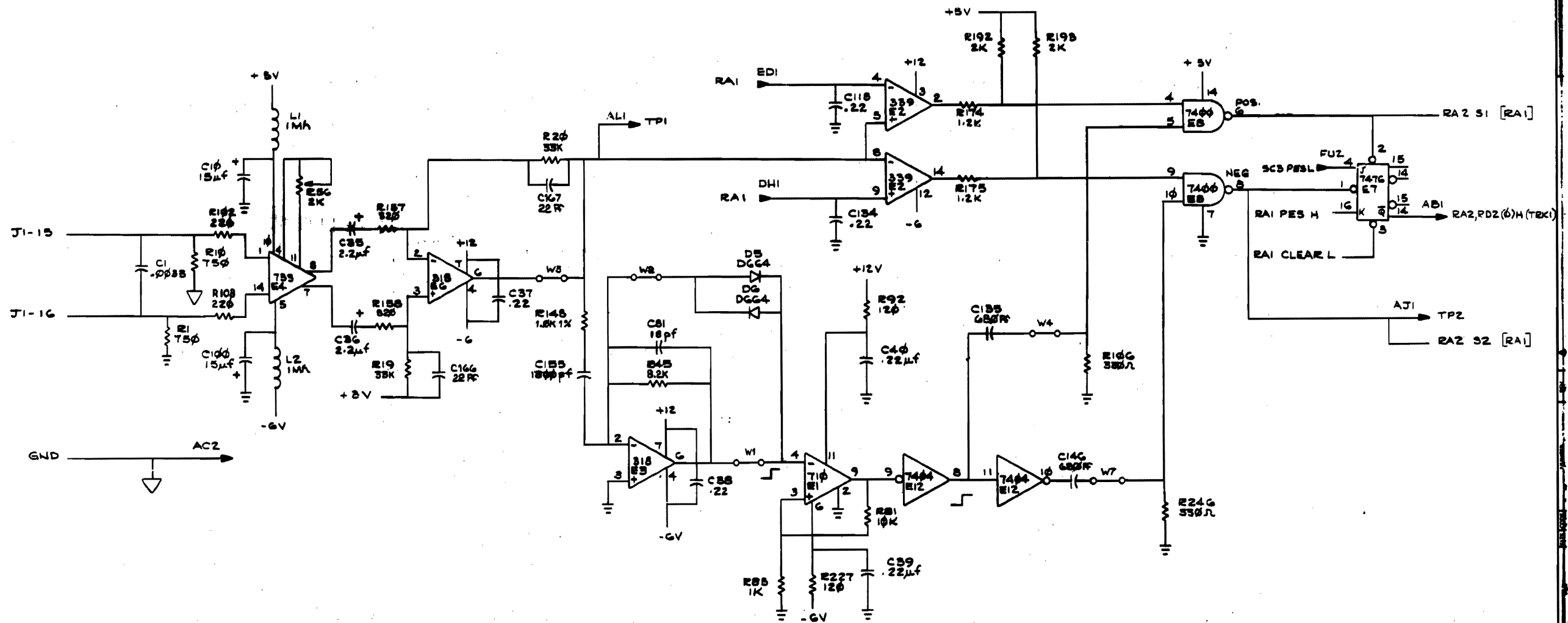
NOTE:  
1. ALL RESISTORS ARE 1/4W, ±5%  
UNLESS OTHERWISE SPECIFIED



REV.	DATE	BY	CHKD
1	8/17/76	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...

DRN	8/17/76	FIRST USED ON	TU16
CHK'D	...	TITLE	9TK TU16 READ AMP (RAI)
ENG.	...	SCALE	1 OF 10
PROJ. ENG.	...	SIZE	D CS
PROG. A	...	NUMBER	G066-0-1
NEXT HIGHER ASSY.		REV.	E
D-JA-5066-0-0			
SHEET	1	DIST.	

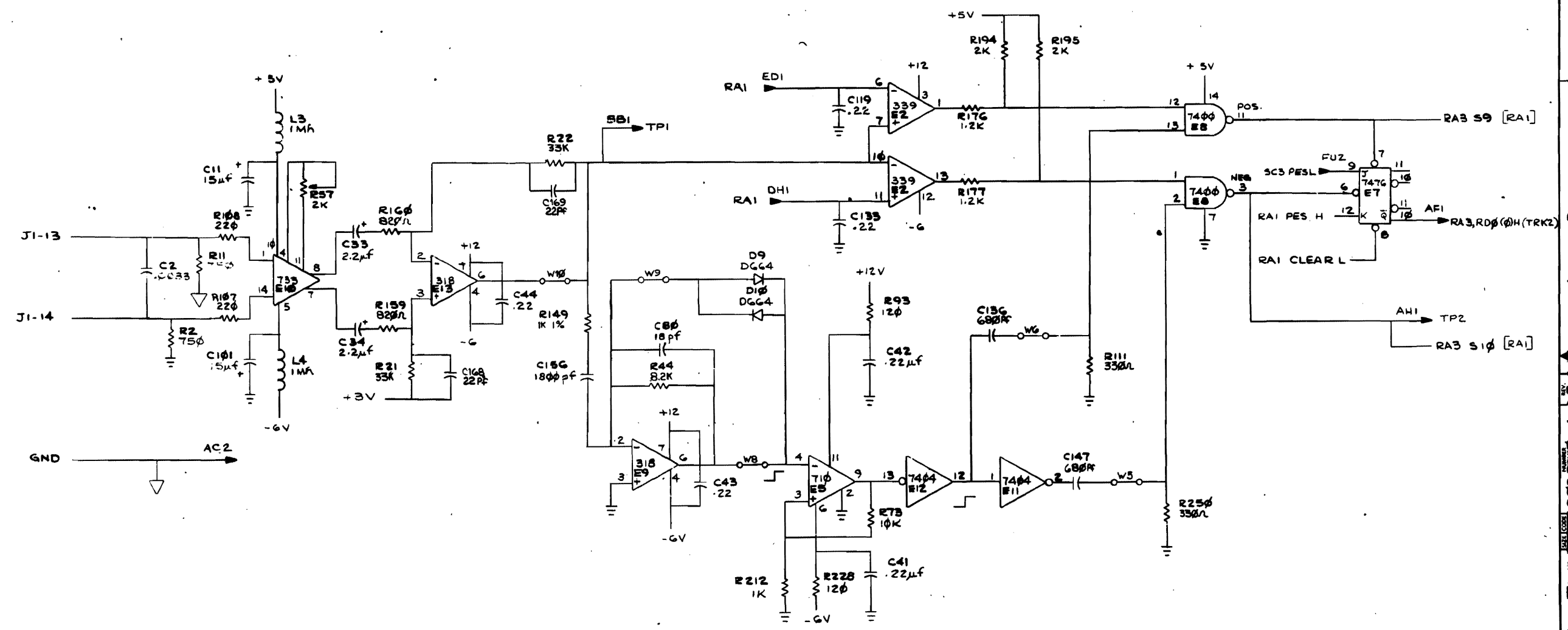
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	9TK TU16 READ AMP (RA2)	SIZE CODE	DCS G066-0-1	NUMBER		REV.	E
SCALE		SHEET	2 OF 10	DIST.			

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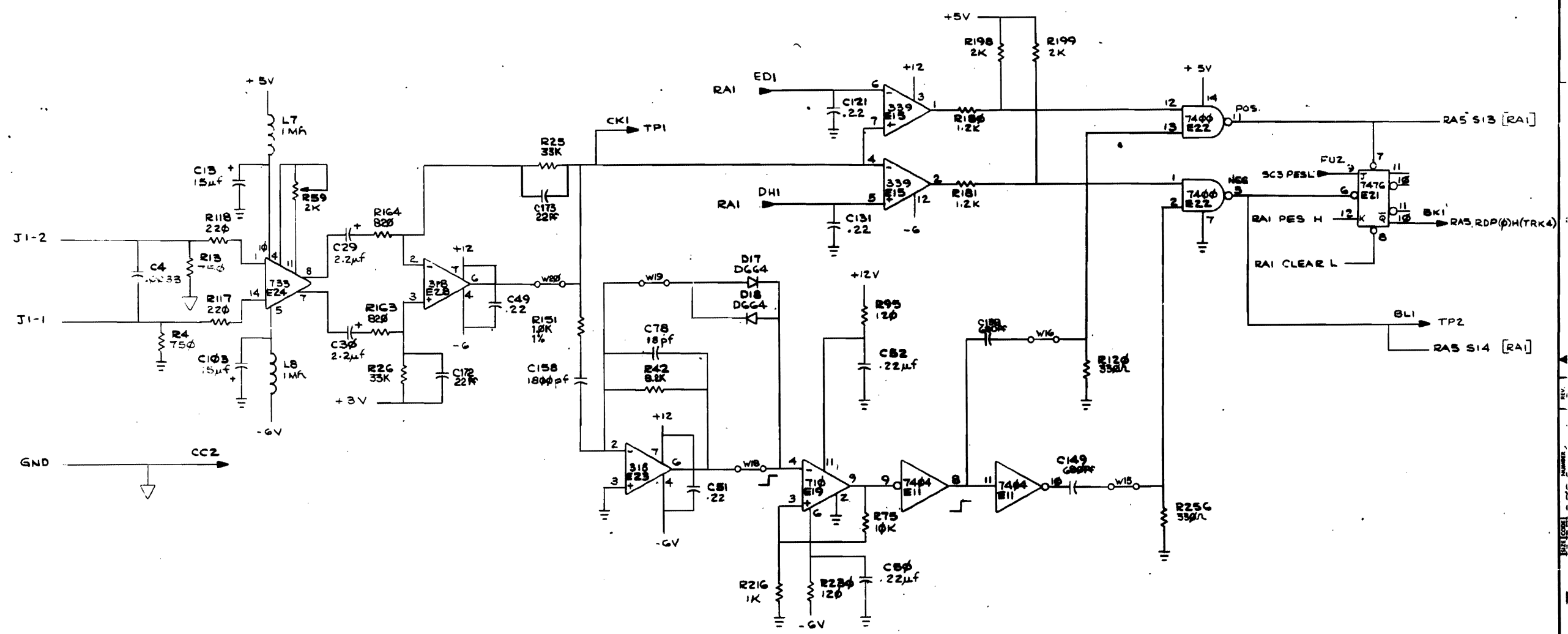


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	9TK TU16 READ AMP (RA3)	SIZE CODE	NUMBER	REV.
SCALE	1:1	DNT.	DCS 6066-0-1	E



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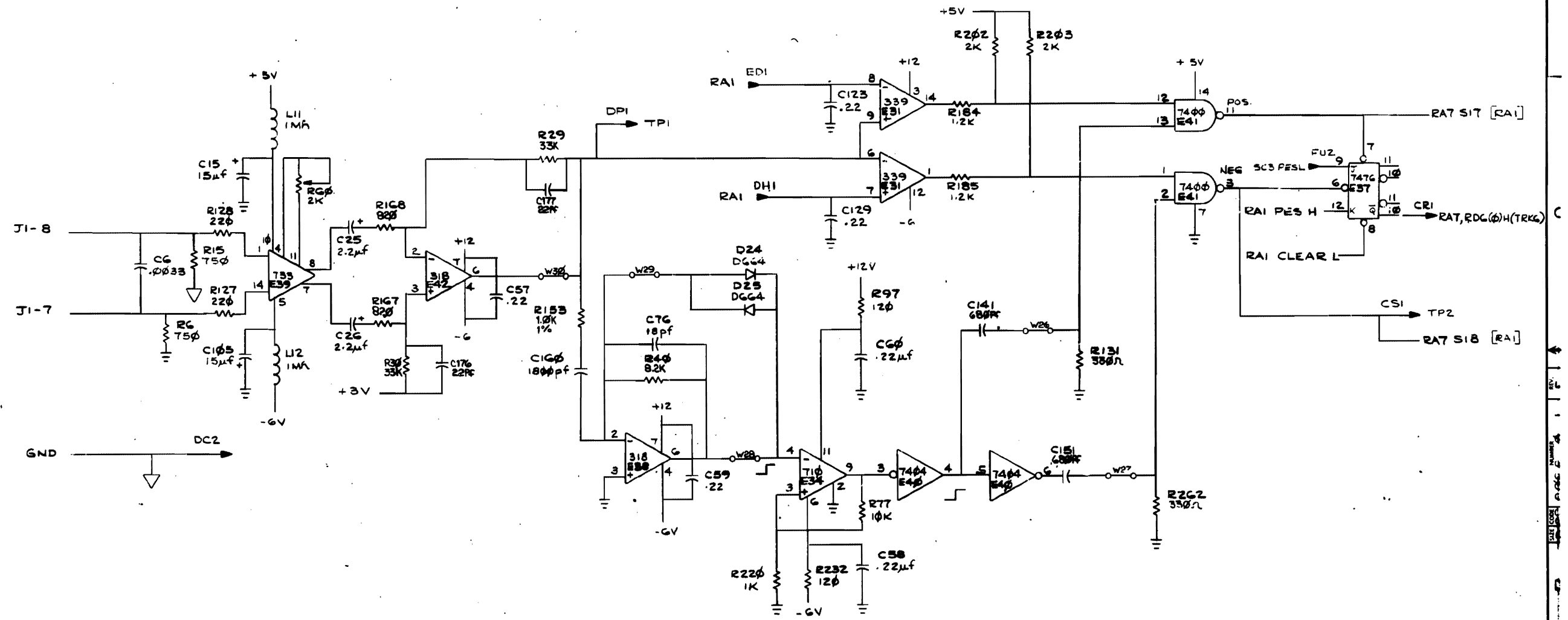
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	9TK TU16 READ AMP (RA5)	SIZE CODE	D CS	NUMBER	G066-0-1	REV.	E
SCALE	1:1	SHEET	5	OF	10	DIST.	



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3 1-0-9909 SCD 2



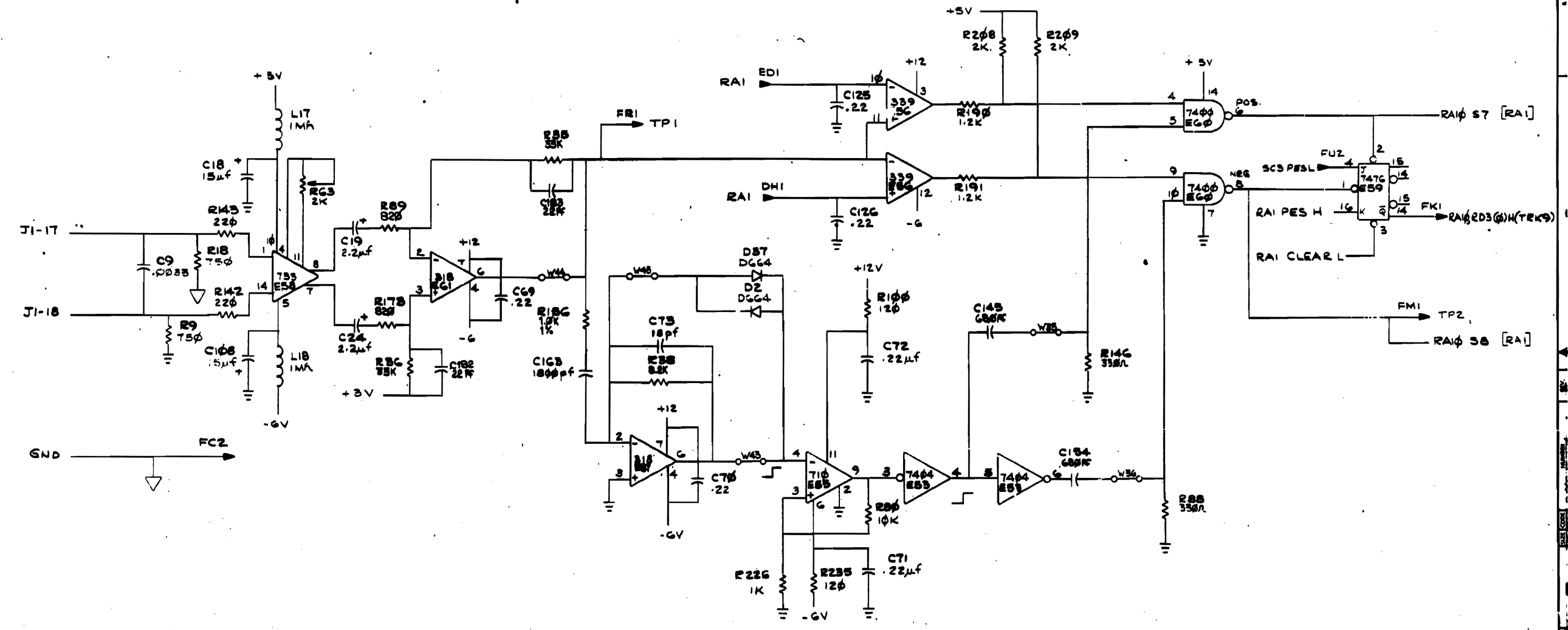
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	9TK TU16 READ AMP (RA7)	SIZE CODE	D CS	NUMBER	G066-0-1	REV.	E
SCALE		SHEET	7	OF	10	DIST.	





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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	9TK TU16 READ AMP (RA10)	SIZE CODE	D CS G066-0-1	NUMBER	1	REV.	E
SCALE	1:1	SHEET	1 OF 1	DIST.			



# DIGITAL EQUIPMENT CORPORATION

## PARTS LIST

MADE BY DAVID BEAUREGARD	CHECKED <i>J. P. ...</i>	SECTION
DATE 15 Oct 76	DATE 18 Oct '76	
ENG <i>H. ...</i>	PROD <i>...</i>	ISSUED SECTION
DATE 11.23.76	DATE 23 Oct '76	

### QUANTITY / VARIATION

### NOTES:

USED ON OPTION/MODEL  
TL116J

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF	QUANTITY	VARIATION	REF DESIGNATION
	D-CS-G066-0-1		CIRCUIT SCHEMATIC	REF			
	B-DD-G066-0		DWG DIRECTORY	REF			
	D-UA-G066-0-0		UNIT ASSEMBLY	REF			
	D-MD-5012235-0-0	5012235	ETCHED CIRCUIT BOARD	1			
1		19-13293-00	IC 74156	1			E17
2		19-10537-00	IC 74811	3			E25, E29, E36
3		19-12107-00	IC LM324	1			E27
4		19-10644-00	IC 733	9			E4, E10, E18, E24, E33, E39, E46, E52, E58
5		19-10735-02	IC 318	18			E3, E6, E9, E13, E16, E20, E28, E23, E32, E38, E35, E42, E45, E48, E51, E54, E57, E61
6		19-05620-01	IC 710	9			E1, E5, E14, E19, E30, E34, E43, E47, E55
7		19-12108-00	IC LM339	5			E2, E15, E31, E44, E56
8		19-05575-00	IC DEC7400	5			E8, E22, E41, E50, E60
9		19-05585-00	IC 7476	5			E7, E21, E37, E49, E59
10		19-09686-00	IC 7404	4			E12, E11, E40, E53
11		19-10011-00	IC DEC7486	1			E26
12		11-13295-00	DIODE 3.0V ZENER (1.4372A)	1			D1
13		11-00114-00	DIODE D664	18			D2, D5, D6, D9, D10, D13, D14, D17, D18, D21, D22, D24, D25, D29, D30, D33, D34, D37
14		16-02723-00	CHOKE 1 MH	18			L1 thru L18

E.C.O. NO.  
0001  
0002  
0003

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EN-01140A-16-R278(326) DRB 125				SHEET 1 OF 4	INSERTION PARTS LIST DATA BASE REV B			

# DIGITAL EQUIPMENT CORPORATION

## PARTS LIST

MADE BY D. BEAUREGARD	CHECKED <i>D. Bauman</i>	SECTION 1
DATE 15 Oct 76	DATE 18 Oct 76	
ENG H. F. Madsen	PROD Gordon R. Sillars	ISSUED SECTION 1
DATE 11.23.76	DATE 23 Nov '76	

### QUANTITY / VARIATION

### NOTES:

*USED ON OPTION/MODEL  
TU16J*

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	REF DESIGNATION
15		10-04812-00	CAP 15 MF 20V, 10% TANT	19																			C164, C10 thru C18, C100 thru 108
16		10-02431-00	CAP 2.2 UF 35V, 10% TANT	18																			C19 thru C36
17		10-05820-00	CAP. 22PF 100V 5%	18																			C166-C183 (IN PARALLEL WITH R19 thru R29, R30, R31 thru R36)
18		10-10274-01	CAP .22 UF 50V CER	17																			C37 thru C72, C118 thru C134, C144, C110, C112, C114
19		10-00026-00	CAP 680PF 100V 5%	18																			C135 thru C138, C140 thru C143, C145 thru C154
20		10-02608-00	CAP 18 PF 100V 5% DM	9																			C73 thru C81
21		10-05116-00	CAP 3300 PF 200V 10%	9																			C1 thru C9
22		10-13292-00	CAP 1800 PF 100V 10% MYLAR	9																			C155 thru C163
23		10-01796-00	CAP 50 UF 25V AL EL	3																			C111, C109, C113
24		10-01774-00	CAP .05 UF 25V DISC	5																			C115 thru C117, C139, C165
<del>25</del>		<del>13-01477-00</del>	<del>RES 82 1/2W 5%</del>	<del>18</del>																			<del>R18 thru R25, R26 thru R28, R29, R30, R31, R32, R254, R257, R260, R265, R266</del>
26		13-00247-00	RES 120 1/2W 5%	18																			R92 thru 100, R227 thru R235
27		13-00271-00	RES 220 1/2W 5%	18																			R102, R107, R108, R112, R113, R117, R118, R122, R123, R127, R128, R132, R133, R137, R138, R142, R143
28		13-01424-00	RES 680 1/2W 5%	1																			R147
29		13-00365-00	RES 1K 1/2W 5%	10																			R85, R101, R212, R214, R216, R218, R220, R222, R224, R226
30		13-01320-00	RES 1.2K 1/2W 5%	18																			R174 thru R191
31		13-01401-00	RES 750 1/2W 5%	18																			R1 thru R18

ECO. NO. \_\_\_\_\_

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EN-01140A-16-R276(325) DRB 125		SHEET 2 OF 4		INSERTION PARTS LIST DATA BASE REV #		

# DIGITAL EQUIPMENT CORPORATION

## PARTS LIST

MADE BY DAVID BEAUREGARD	CHECKED P. Bossman	SECTION 1
DATE 15 Oct 76	DATE 18 Oct 76	
ENG H. F. Anderson	PROD Gordon H. Willard	ISSUED SECTION 1
DATE 11. 22. 76	DATE 23 NOV 76	

### QUANTITY / VARIATION

### NOTES:

USED ON

OPTION/MODEL  
TU16 J

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY	VARIATION	REF DESIGNATION
32		13-02388-00	RES 2K 1/2W 5%	18		R192 thru R209
33		13-03177-00	RES 2.4K 1/2W 5%	1		R66
<del>34</del>		<del>13-00438-00</del>	<del>RES 3.3K 1/2W 5%</del>	<del>18</del>		<del>R19 thru R29, R30, R31 thru R36</del>
35		13-13349-00	RES 33K 1/4 10%	18		R19 thru R29, R30, R31 thru R36
36		13-00447-00	RES 4.7K 1/2W 5%	1		R70
37		13-00479-00	RES 10K 1/2W 5%	12		R71 thru R81, R90
38		13-01775-00	RES 820 5%	18		R89, R157 thru R173
39		13-01317-00	RES 10 1/2W 5%	2		R69, R37
40		13-09143-08	RES 2K POT	9		R56 thru R63, R86
41		13-03179-00	RES 2K 1/2W 5%	9		R38 thru R46
42		12-13335-00	CONNECTOR, 20 PIN	1		J1
43		13-00295-00	RES 330 1/2W 5%	19		R47, R88, R91, R106, R111, R116, R120, R126, R131, R134, R141, R146, R246, R250, R253, R256, R259, R262, R265
44		13-00391-00	RES 1.5K 1/2W 5%	1		R65
45		13-00444-00	RES 3.9K 1/2W 5%	1		R67
46		13-02177-00	RES 47K 1/2W 5%	1		R68
47		90-06732-00	EYELET	10		
48		12-10711-05	HANDLE, HEX	1		
49		9009185	JUMPER WIRE	45		W1 thru W45

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			9 TK TU16 READ AMP	D-UA-G066-0-0	B	PL	G066-0-0	E
				SHEET 3 OF 4	INSERTION PARTS LIST DATA BASE# 8			

# DIGITAL EQUIPMENT CORPORATION PARTS LIST

## QUANTITY / VARIATION

### NOTES:

USED ON OPTION/MODEL TU16J

MADE BY D. BEAUREGARD	CHECKED P. BOSSMAN	SECTION 1
DATE 15 OCT 76	DATE 18 OCT 76	
ENG H. FINDEISEN	PROD GORDON R. DILLARD	ISSUED SECTION 1
DATE 11-23-76	DATE 23 NOV 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
50		13-02748-00	RES 1.0K 1/8W 1%
51		13-05430-00	RES 9.1K 1/4W

9																				
1																				

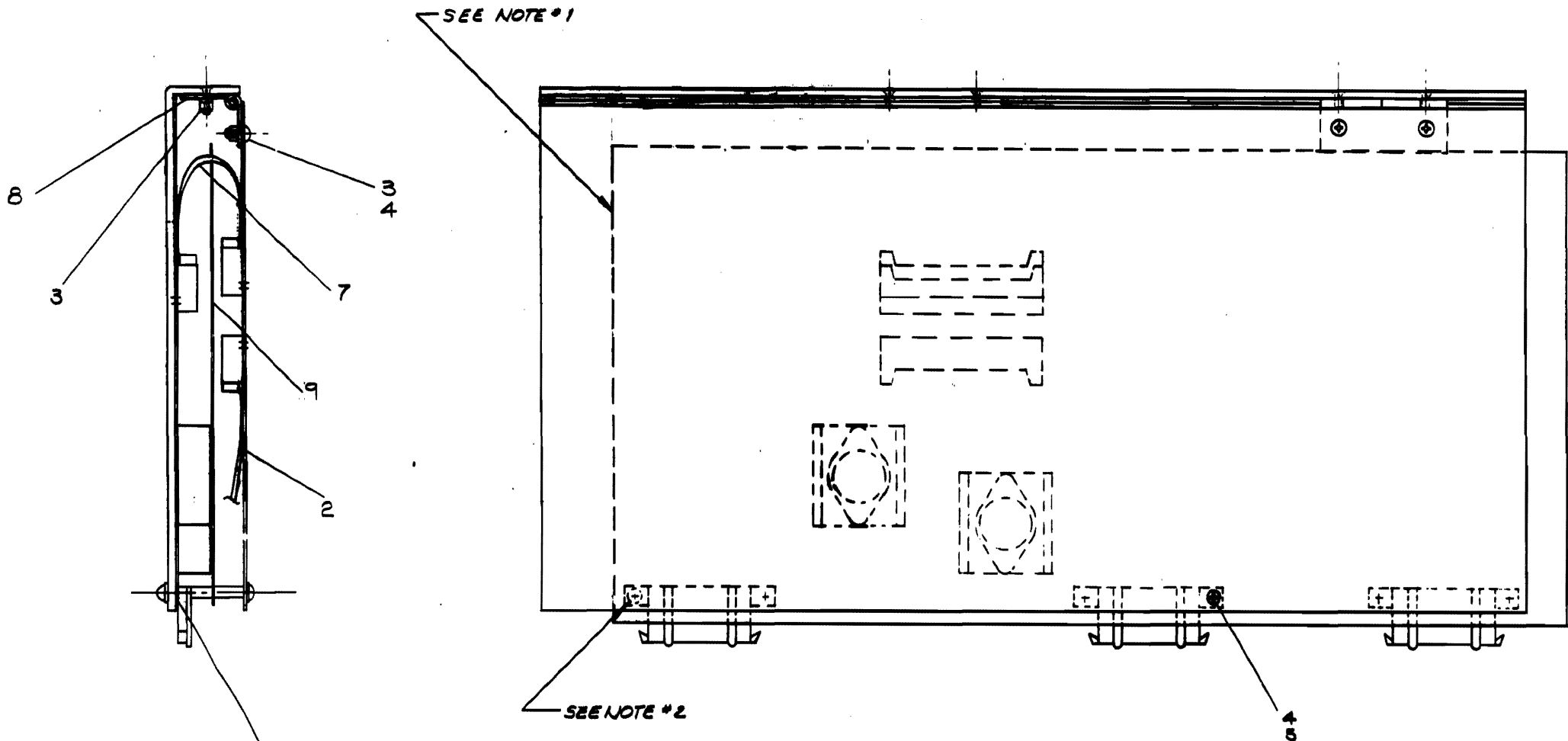
REF DESIGNATION
R148 thru R156
R64

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		SHEET 4 OF 4	INSERTION PARTS LIST DATA BASE REV B			

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0-0-109H (110) 2

**NOTES:**  
 1. DOTTED LINES SHOW WHERE ELECTROMAGNETIC (STATIC) SHIELD SHOULD BE POSITIONED.  
 2. NOTE THAT THE HOLE IN THE SHIELD SLIPS OVER THE STAIIDOFF.

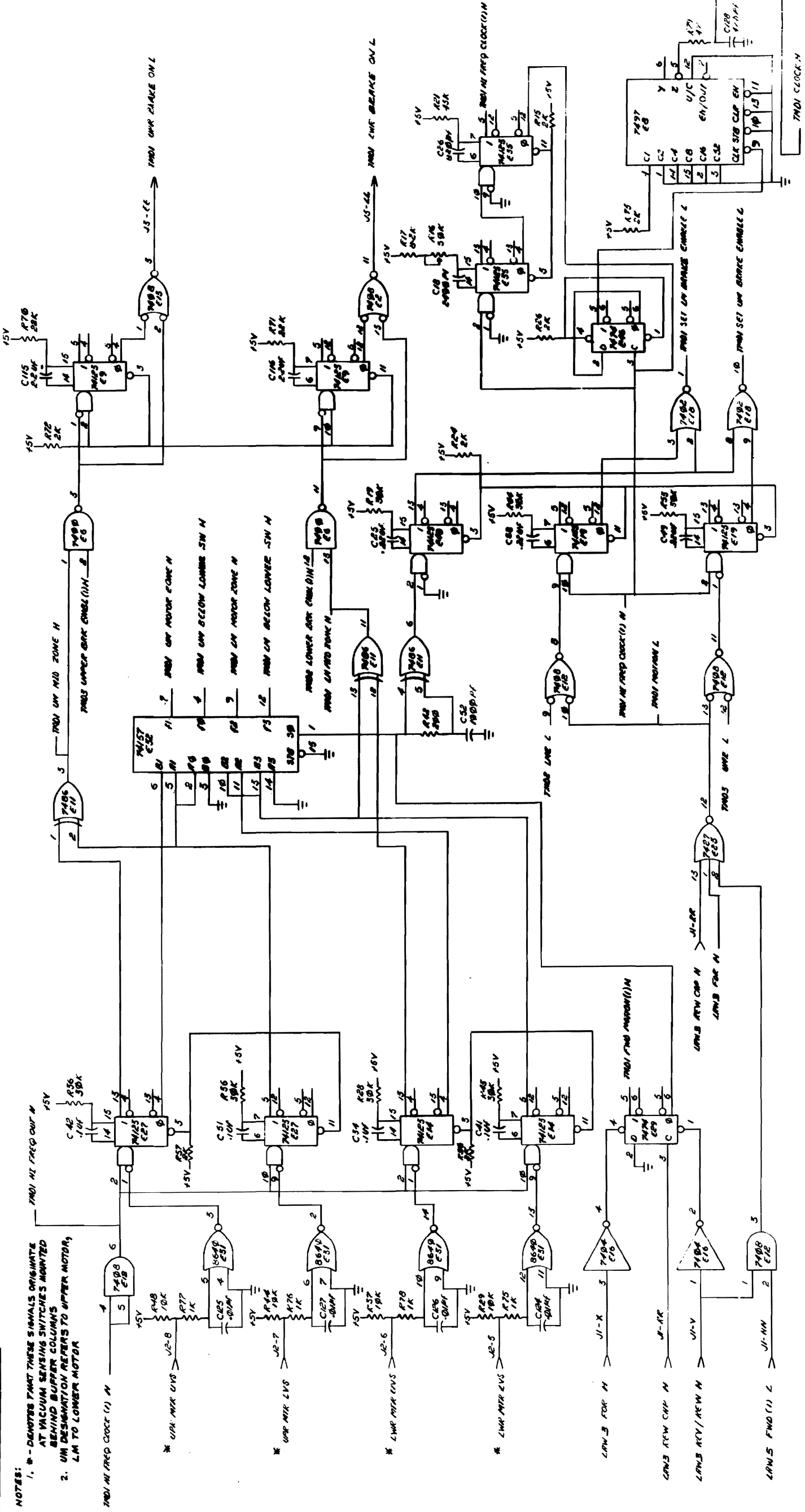


REV	DATE	BY	CHKD
A	10/11/77	H. DRAB	
B	11/10/77	H. DRAB	

1	SHIELD, STATIC (REWORK)	B-MD-74193-03	3
2	HINGE	B-MD-7417155-0-0	5
3	CABLE JUMPER	C-VA-7010027-0-0	7
4	WASHER, NY TOOTH LOCK	9006887-00	5
5	SCREW, PAN-HD (4-40 X .28)	9008501-01	4
6	NYLON KEYS 4-40	9006887-00	3
7	TAPE MOTION DAUGH BO ASSY	5412262	2
8	TAPE MOTION PWR BD ASSY	5412264	1

THIRD ANGLE PROJECTION		DRN. <i>[Signature]</i>	DATE: 10/11/77	FIRST USED ON: TE 16
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D. <i>[Signature]</i>	DATE: 10/11/77	TITLE: TAPE MOTION BOARD ASSY
DO NOT SCALE DWG		PROL. ENG. <i>[Signature]</i>	DATE: 11/10/77	REV. B
MATERIAL: SEE PARTS LIST		PROD. <i>[Signature]</i>	DATE: 11/10/77	SIZE: 11x17
FINISH: —		SCALE: 1:1	SHEET: 01	DIST.:

NOTES:  
 1. \* - DENOTES THAT THESE SIGNALS ORIGINATE AT VACUUM SENSING SWITCHES MOUNTED BEHIND BUFFER COLUMNS  
 2. UM DESIGNATION REFERS TO UPPER MOTOR, LM TO LOWER MOTOR



DATE	5-1-64	REV.	1
DESIGNER	J. J. W.	SCALE	NONE
CHKD.	J. J. W.	SHEET	1 OF 4
PROJ. NO.	5412262-01	NUMBER	5412262-01
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3
PROJ. NO.	5412262-01	REV.	3
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3
PROJ. NO.	5412262-01	REV.	3
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3

DATE	5-1-64	REV.	1
DESIGNER	J. J. W.	SCALE	NONE
CHKD.	J. J. W.	SHEET	1 OF 4
PROJ. NO.	5412262-01	NUMBER	5412262-01
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3
PROJ. NO.	5412262-01	REV.	3
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3
PROJ. NO.	5412262-01	REV.	3
PROJ. NAME	TAPE MOTION (TMDI) DAUGHTER BOARD	REV.	3









DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

USED ON: OPTION/MODEL  
H607

MADE BY R. Sullivan	CHECKED <i>M. Metzger</i>	SECTION 1
DATE 10 Oct 76	DATE 11/15/76	
ENG <i>H. Hunt</i>	PROD <i>E. Dillard</i>	ISSUED SECTION 1
DATE 3 Jan 77	DATE 3 JAN 77	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF	QUANTITY	VARIATION	REF DESIGNATION
	D-UA-5411262-0-0 B-DD-5411262-0 D-CS-5411262-0-1		UNIT ASSY DWG DIRECTORY CIRCUIT SCHEMATIC	REF REF REF			
1	D-MD-5011261-0-0		ETCHED CIRCUIT BOARD	1			
2		10-01610-01	CAP .01 UF 100V DISC	58			C8,C9,C70 thru C114,C117 thru C122,C123, C124 thru C127
3		10-01776-00	CAP 1.0 UF 35V 10% TANT	3			C59,C48,C50
4		10-00042-00	CAP 1000 PF 100V 5% DM	4			C11,C67,C52 C10
5		10-10274-01	CAP .22 UF 50V CER	3			C25,C58,C49
6		10-00027-00	CAP 820 PF 100V 5% DM	1			C26
7		10-10978-36	CAP .1 UF 50V CER	6			C1, C33,C42,C51,C34,C41
8		10-04813-00	CAP 10 UF 20V 10% TANT	1			C68,
9		10-04814-00	CAP 47 UF 50V TANT	1			C60
10		10-02627-00	CAP 2.2 UF 20V 10% MYLAR	2			C115,C116
11		12-09941-03	LATCH, LEFT FOR ANG HEADER	2			
12		11-00114	DIODE D664	3			D1,D2,D3
13		12-09941-04	LATCH, RIGHT FOR ANG HEADER	2			
14		12-09941-02	CONN 40 PIN BERG	2			J1,J3
15		12-09340	CONN MATE-N-LOK 8 PIN	1			J2
16		12-09456-01	CONTACT (SOCKET TERMINAL)	8			

E.C.O. NO.

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	TAPE MOTION DAUGHTER BOARD	B-DD-5412262-0	B	PL	5412262-0-0	B
		SHEET 1 OF 4	INSERTION PARTS LIST DATA BASE REV 1			

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

USED ON: OPTION/MODEL  
H607

MADE BY R. Sullivan	CHECKED <i>J. Higgins</i>	SECTION 1
DATE 10 OCT 76	DATE 11/15/76	ISSUED SECTION 1
ENG <i>H. Smith</i>	PROD <i>A. Hillard</i>	
DATE 3 Jan 77	DATE 3 JAN 77	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY	REF DESIGNATION
17		13-04838	RES 43K 1/2W 5%	1	R21
18		13-02394	RES 30K 1/2W 5%	9	R1, R19, R23, R53, R64, R28, R36, R43, R56
19		13-00229-00	RES 100 1/4W 5%	1	R90
20		13-00250	RES 150 1/2W 5%	1	R58
21		13-02388	RES 2K 1/2W 5%	34	R2, R3, R6, R8, R15, R20, R24, R25, R26, R30, R32, R4, R7, R11, R13, R18, R27, R55, R59, R63, R72, R69, R73, R33, R34, R35, R42, R51, R52, R54, R57, R60, R61, R74
22		13-03179	RES 8.2K 1/2W 5%	1	R17
23		13-00479	RES 10K 1/2W 5%	6	R5, R12, R29, R37, R44, R48
24		13-02466	RES 100K 1/2W 5%	1	R62
25		13-04839	RES 51K 1/2W 5%	1	R50
26		13-02391	RES 20K 1/2W 5%	2	R31, R45
27		13-01320	RES 1.2 1/2W 5%	1	R46
28		13-00365	RES 1.0K 1/2W 5%	7	R39, R40, R41, R75, R76, R77, R78
29		13-00271	RES 220 1/2W 5%	3	R9, R10, R47
30		13-02396	RES 150K 1/2W 5%	1	R65
31		13-00510	RES 33K 1/2W 10%	1	R66
32		13-01808	RES 22K 1/2W 5%	3	R68, R70, R71
33		13-00202	RES 47 1/2W 5%	1	R79

ECO. NO.

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		SHEET 2 OF 4	INSPECTION PARTS LIST BASE REV B			

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

MADE BY R. Sullivan	CHECKED <i>Jim Metzger</i>	SECTION 1
DATE 10 Oct 76	DATE 11/15/76	
ENG <i>H. Sub</i>	PROD <i>H. Sullard</i>	ISSUED SECTION 1
DATE 3 Jan 77	DATE 3 JAN 77	

QUANTITY / VARIATION

NOTES:  
USED ON: OPTION/MODEL  
H607

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QTY	UNIT	REF DESIGNATION
34		13-09150-06	POT 50K 1/2W 10% (ROUND)	1		R16
35		13-09150-04	POT 5K 1/2W 10% (ROUND)	1		R49
36		90-06693	WASHER 3/8 DIA.	2		
37		15-09338	TRANS DEC 6531B	1		Q1
38		19-12108	I.C LM339	1		E42
39		19-10436	I.C 74123	9		E40, E19, E27, E35, E14, E20, E9, E4, E5
40		19-05547	I.C. 7474	8		E51, E46, E29, E30, E24, E25, E15, E10
41		19-10155	I.C. 7408	3		E12, E13, E2
42		19-09686	I.C. 7404	2		E16, E7
43		19-10011	I.C. 7486	3		E28, E21, E11
44		19-05575	I.C. 7400	2		E26, E6
45		19-09004	I.C. 7402	1		E18
46		19-10878	I.C. 7427	3		E22, E23, E1
47		19-10096	I.C. 74191	1		E50
48		19-10655	I.C. 74157	1		E32
49		19-10298	I.C. 741	1		E49
50		19-11195	I.C. 7497	1		E8
51		19-10035	I.C. 74197	3		E39, E34, E17
52		19-05576	I.C. 7410	1		E45

ECO. NO.

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DEPARTMENT OR IN CHARGE: TAPE MOTION DAUGHTER BOARD

ASSY NO. B-DD-5412262-0

SHEET 3 OF 4

SIZE CODE: PL

NUMBER: 5412262-0-0

REV. B

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

USED ON: OPTION / MODEL  
H607

MADE BY D. Sullivan	CHECKED <i>John Trigger</i>	SECTION 1
DATE 10 OCT 76	DATE 11/5/76	
ENG <i>W. Dub</i>	PROD <i>H. Dillard</i>	ISSUED SECTION 1
DATE 3 Jan 77	DATE 3 JAN 77	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY	REF DESIGNATION
53		19-10406	I.C. 75451	2	E43, E44
54		19-10095	I.C. 74190	2	E37, E3
55		19-09267	I.C. 74H11	1	E33
56		91 07252-02	SLEEVING	AK	
57		91 05740-55	WIRE, #30 AWG, GRN	AK	
58		10 11740-01	CAP. .0033 UF, 50V, 10% CER	1	C140
59		90-06745	EYELET	2	
60		19-11469	I.C. 8640	1	E31
61		10-00024-00	CAP 470 PF 100V 5% DM	1	C128
62		10-01636-00	CAP 2400 PF 100V 5% DM	1	C18

E.C.O. NO.

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TITLE  
TAPE MOTION DUGHTER BOARD

ASSY NO.  
B-DD-5412262-0

SIZE CODE  
B PL

NUMBER  
5412262-0-0

REV.  
B

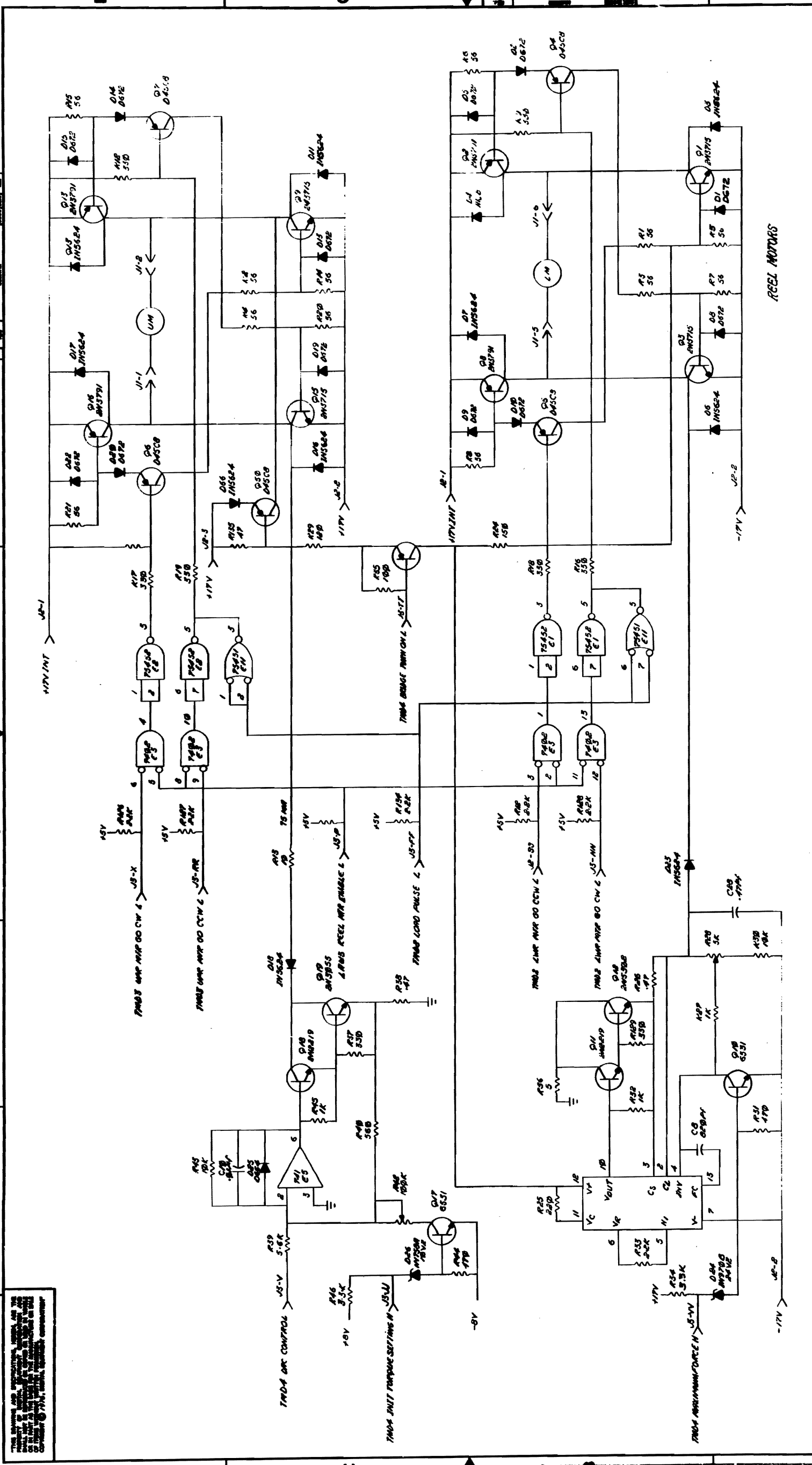
SHEET 4 OF 4

INSERTION PA

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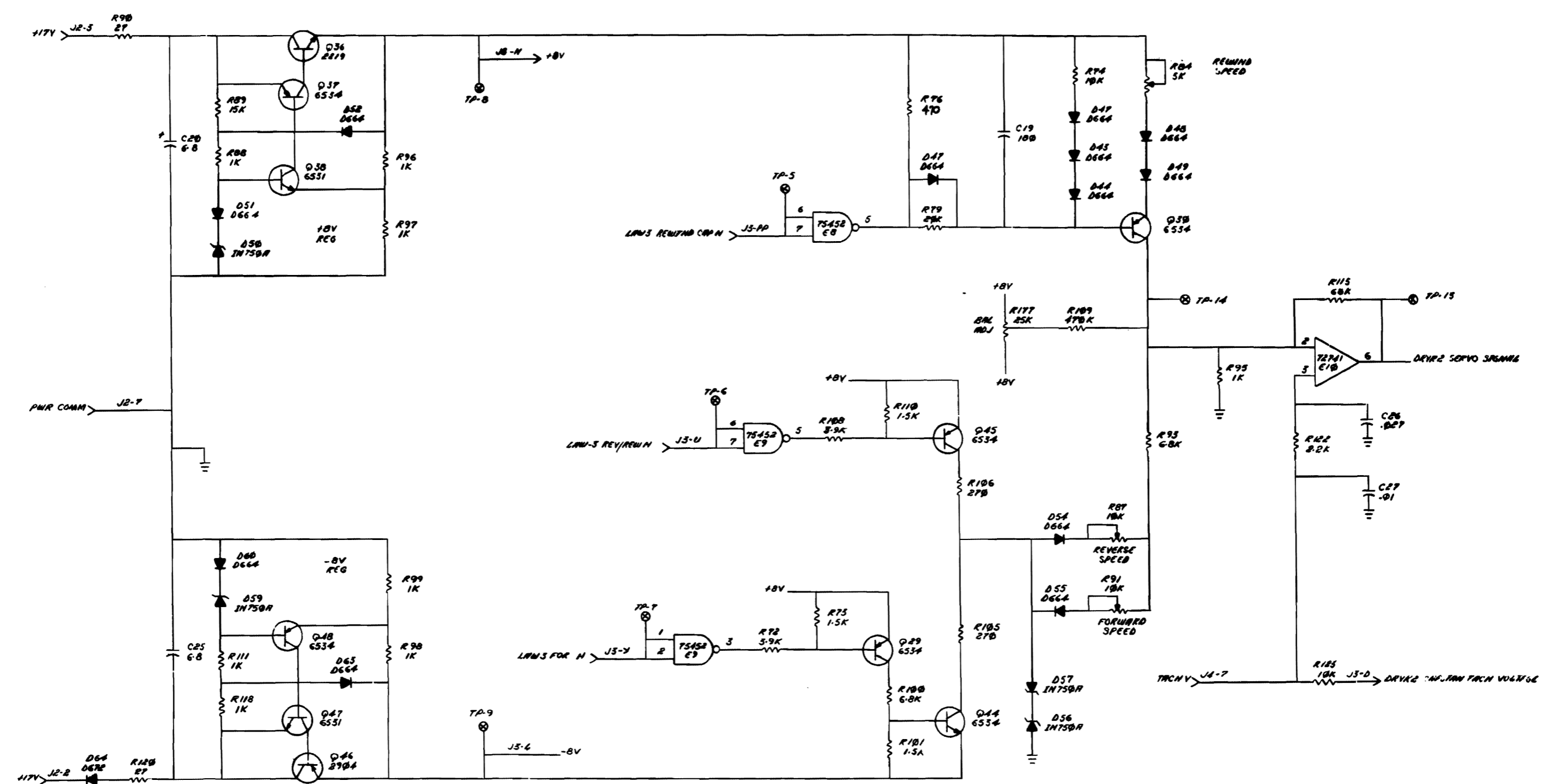
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DRWG. NO.	114274	PRINTED ON	40-0000
CHK'D BY	JLH	DATE	1/20/54
ENGR. BY	JLH	TITLE	DRYER 1
PROJ. ENG.	54-1	PROJECT	TAPE MOTION
PROD. A. T.	11/10/54	MANUFACT.	POWER BOARD
TEST. A. T.	12/10/54	REVISION	0-1
DESIGNED BY	JLH	SCALE	1:1
APPROVED BY	JLH	SHEET	2 OF 4
DATE	1/20/54	DPT.	B

SYMBOL	DESCRIPTION
1	RESISTOR
2	CAPACITOR
3	TRANSISTOR
4	DIODE
5	RELAY
6	INDUCTOR
7	WIRE
8	GROUND
9	POWER SUPPLY
10	CONTROL SIGNAL

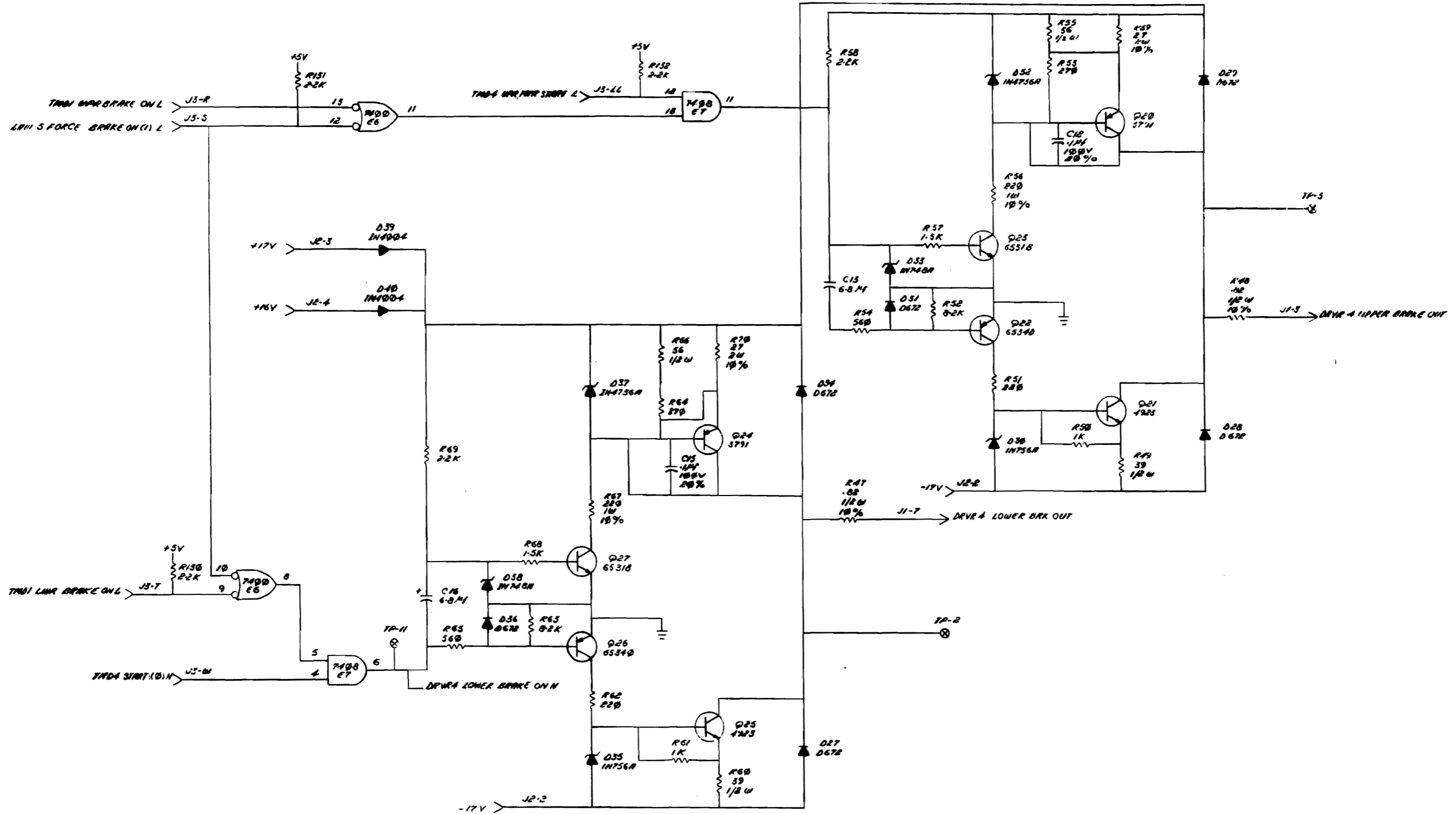
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REVISIONS		
CHK	CHANGE NO.	REV.



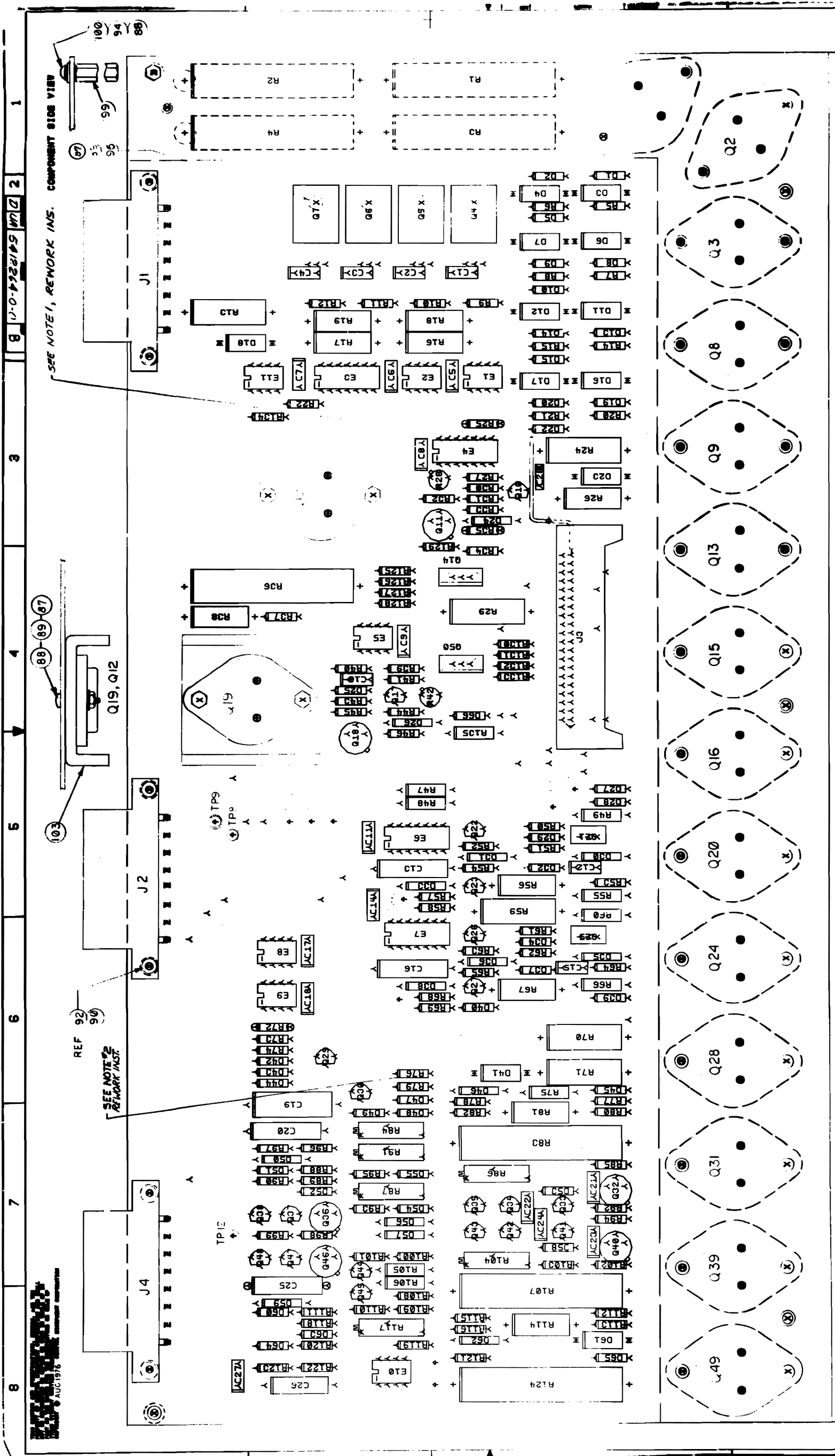
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REVISIONS		
CHK	CHANGE NO.	REV.

BRKES

TITLE	TAPE MOTION POWER BOARD (DRVR4)	REVISION	DCS	NUMBER	5412264-0-1	REV.	B
SCALE	1/1	SHEET	4	OF	4	DIST.	

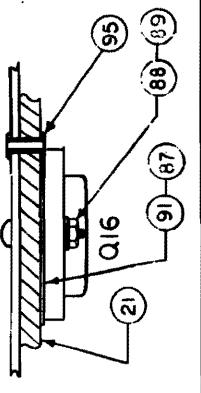


SEE NOTE 1, REWORK INS. COMPONENT SIDE VIEW

SEE NOTE 2 REWORK INST

NOTES: REWORK INSTRUCTIONS:  
 1. DRILL HOLE PAPER AS SHOWN.  
 2. REWORK P.C. BOARD WITH  
 P.C. BOARD NO. 1300316

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



DATE	2-22-76
BY	J. C. [unclear]
CHKD	J. C. [unclear]
APP'D	J. C. [unclear]
REV	1
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REV	100

digital  
 TITLE TAPE MOTI,N  
 POWER BOARD  
 1 UA 5412254-0-018  
 1 MS8176

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY Phil Bossman	CHECKED <i>P. Bossman</i>	SECTION 1
DATE 21 Sept. '76	DATE 28 SEP 76	
ENG <i>S. Smith</i>	PROD <i>H. Dillard</i>	ISSUED SECTION 1
DATE 21 Dec 76	DATE 21 DEC 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF	QUANTITY	VARIATION	REF DESIGNATION
REF			UNIT ASSEMBLY	REF			
1	D-MD-5012263-0-0	5012263	ETCHED CIRCUIT BOARD	1			
2		1000049-00	CAP .027UF 100V 10% MYLAR	1			C26
3		1010279-00	CAP .47UF 50V 10% S. TANT	2			C28
4		1000086-00	CAP 18UF 6V20% S. TANT	1			C19
5		1010978-36	CAP .1UF 50V CER.	6			C1 thru C4, C12, C15
6		1001610-01	CAP .1UF 100V 20% DISC.	12			C5, C6, C7, C9, C10, C11, C14, C17, C18, C22, C24, C27
7		1005306-00	CAP 6.8UF 35V 10 S. TANT	4			C20, C25, C13, C16
8		1000004-00	CAP .02UF 100V 20%	2			C21, C23
9		1000027-00	CAP 820PF 100V	1			C8
10		1100114-00	DIODE D664	15			D25, D42, D43, D44, D47, D48, D49, D51 thru D55, D58, D60, D63
11		1100127-00	DIODE 1N 748A ZENER	2			D33, D38
12		1100124-00	DIODE 1N 750A ZENER	6			D46, D50, D57, D59, D62, D56
13		1105796-00	DIODE 1N 4004	5			D39, D40, D45, D65, D66
14		1103340-00	DIODE 1N 4736A ZENER	2			D32, D37
15		1103441-00	DIODE 1N 756A ZENER	2			D30, D35
16		1105275	DIODE D672	19			D1, D2, D5, D8, D9, D10, D13, D14, D15, D19, D20, D22, D27 thru D29, D31, D34, D36, D64
17		1110856-00	DIODE 1N 970B ZENER	1			D24

E.C.O. NO. 0001

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	TAPE MOTION PWR BOARD		B	PL	5412264-0-0	B

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY PHIL BOSSMAN	CHECKED <i>Phil Bossman</i>	SECTION 1
DATE 21 Sept. '76	DATE 28 SEP 76	
ENG <i>S. D. ...</i>	PROD <i>G. ...</i>	ISSUED SECTION 1
DATE 21 Dec 76	DATE 21 DEC 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QTY	UNIT	REF DESIGNATION
18		1209340-00	CONN MATE-N-LOK 8 PIN	3		J1, J2, J4
19		1209456-01	SOCKET TERMINAL CONTACT	24		
20		1209941-02	CONN 40P RT ANG HEADER	1		J3
21		7411390-00	HEAT SINK	1		
22		1300202-00	RES 47 1/4W 5%	2		R77, R113
23		1309995-00	RES 56 1/2W 5%	2		R55, R66
24		1300229-00	RES 100 1/4W 5%	3		R80, R112, R35
25		1300271-00	RES 220 1/4W 5%	3		R25, R51, R62
26		1300277-00	RES 220 1W 10%	2		R56, R67
27		1300285-00	RES 270 1/2W 5%	2		R105, R106
28		1300295	RES 330 1/4W 5%	6		R9 thru R12, R129, R37
29		1300297-00	RES 330 1W 5%	6		R114, R81, R16 thru R19
30		1300316-00	RES 470 1/4W 5%	3		R44, R31, R76
31		1305258-00	RES .47 2W 5% MW	2		R38, R26
32		1300365-00	RES 1K 1/4W 5%	14		R27, R45, R32, R50, R61, R78, R88, R95, R96, R97, R98, R99, R111, R115
33		1300391-00	RES 1.5K 1/4W 5%	7		R57, R68, R73, R85, R101, R102, R110
34		1300417-00	RES 2.2K 1/4W 5%	14		R22, R33, R58, R69, R122, R125 thru R128, R130 thru R134
35		1300439-00	RES 3.3K 1/4W 5%	2		R46, R34

E.C.O. NO.

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	TAPE MOTION PWR BOARD		B	PL	5412264-0-0	B

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY PHIL BOSSMAN	CHECKED <i>P. Bossman</i>	SECTION 1
DATE 21 Sept. '76	DATE 28 SEP 76	
ENG <i>J. Hunt</i>	PROD <i>H. Dillard</i>	ISSUED SECTION 1
DATE 21 Dec 76	DATE 21 DEC 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION										REF DESIGNATION		
36		1300444-00	RES 3.9K 1/4W 5%	3												R108,R121,R72
37		1300479-00	RES 10K 1/4W 5%	4												R30,R43,R74,R123
<del>38</del>		<del>1300398-00</del>	<del>RES 1.8K 1/4W 5%</del>	<del>1</del>												<del>R78</del>
39		1300496-00	RES 15K 1/4W 5%	3												R41,R89,R118
40		1301327-00	RES 68K 1/4W 5%	1												R119
41		1301522-00	RES 27 1/2W 5%	2												R90,R120
42		1301423-00	RES 6.8K 1/4W 5%	2												R100,R93
43		1301642-00	RES .82 2W 10%	2												R47,R48
44		1311842-00	RES 5 10W 5% W W	1												R36
45		1300257-00	RES 150 2W 5%	1												R24
46		1301874-00	RES 5.6K 1/4W 5%	1												R39
47		1301890-00	RES 560 1/4W 5%	3												R54,R65,R40
48		1301972-00	RES 270 1/4W 5%	5												R53,R64,R92,R94,R103
49		1302336-00	RES 39 1/2W 5%	2												R60,R49
50		1302391-00	RES 20K 1/4W 5%	1												R79
51		1302398-00	RES 470K 1/4W 5%	1												R109
52		1300172-00	RES 10 2W 10%	1												R13
53		1302602	RES 56 1/4W 5%	8												R5,R6,R7,R8,R14,R15,R20,R21
54		1301695-00	RES 47 1/2W 5%	2												R75,R135

E.C.O. NO. \_\_\_\_\_

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		SHEET 3 OF 6	B	PL	5412264-0-0	B

**DIGITAL EQUIPMENT CORPORATION**

**PARTS LIST**

**QUANTITY / VARIATION**

**NOTES:**

<b>MADE BY</b> PHIL BOSSMAN	<b>CHECKED</b> <i>P. Bossman</i>	<b>SECTION</b> 1
<b>DATE</b> 21 Sept. '76	<b>DATE</b> 28 SEP 76	
<b>ENG</b>	<b>PROD</b> <i>H. Dillard</i>	<b>ISSUED SECTION</b> 1
<b>DATE</b>	<b>DATE</b> 21 DEC 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY	REF DESIGNATION
55		1302388-00	RES 2K 1/2W 5%	2	R82,R116
56		9107688-55	WIRE, #24AWG, GRN	AR	
57		1303179-00	RES 8.2K 1/2W 5%	2	R52,R63
58		1305282-00	RES 120 2W 5%	2	R71,R29
59		1305396-00	RES 56 10W 1% WW	4	R1 thru R4
60		1305400-00	RES 12 10W 5%	2	R83,R107
61		1305624-00	RES 27 2W 10%	2	R59,R70
62		1309108-00	RES .1 10W 1% WW	1	R124
63		1309150-14	POT 100K 1/2W 20%	1	R42
64		1309143-07	POT 1K 3/4W 10%	2	R86,R104
65		1309143-09	POT 5K 3/4W 10%	1	R84
66		1309143-10	POT 10K 3/4W 10%	2	R87,R91
67		1309143-12	POT 25K 3/4W 10%	1	R117
68		1501742-00	TRANS DEC 2904	2	Q32,Q46
69		1501881-00	TRANS DEC 2219	4	Q11,Q18,Q36,Q40
70		1505819-00	TRANS 2N3055	1	Q19
71		1503068-00	TRANS DEC 3715	5	Q1,Q3,Q9,Q15,Q39
72		1503409-00	TRANS DEC 6534D	10	Q22,Q26,Q29,Q30,Q37,Q41,Q42,Q43,Q45,Q48
73		1509338-00	TRANS DEC 6531B	10	Q10,Q17,Q23,Q27,Q33,Q34,Q35,Q44,Q47,Q38

E.C.O. NO.

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		SHEET 4 OF 6	INSERTION PARTS LIST DATA BASE REV		

**DIGITAL EQUIPMENT CORPORATION**

**PARTS LIST**

MADE BY PHIL BOSSMAN	CHECKED <i>P. Dorman</i>	SECTION 1
DATE 21 Sept. '76	DATE 28 Sep 76	
ENG <i>St. Clark</i>	PROD <i>J. Dillard</i>	ISSUED SECTION 1
DATE 21 Dec 76	DATE 21 Dec 76	

**QUANTITY / VARIATION**

**NOTES:**

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QTY	UNIT	REF DESIGNATION
74		1509581-00	TRANS 2N3791	7		Q2,Q8,Q13,Q16,Q20,Q24,Q31
75		1509604-00	TRANS DEC 4923	2		Q21,Q25
76		1510334-00	TRANS DEC 4502	1		Q28
77		1510335-00	TRANS DEC 802	1		Q49
78		1510598-00	TRANS D 45C8	6		Q4,Q7,Q14,Q50,Q5,Q6
79						
80		1510196-00	TRANS 2N 5302	1		Q12
81		1905575-00	IC DEC 7400	1		E6
82		1910155-00	IC DEC 7408	1		E7
83		1910298-00	IC DEC 741	2		E5,E10
84		9007201-00	TRANSIPAD	6		
85		1910415-00	VOLT. REG 723	1		E4
86		1910645-00	IC DEC 75452	4		E9,E8,E1,E2
87		9008268-00	THERMAL COMPOUND	A/R		
88		9006012-4	SCREW BD HD 4-40X7-16 IG	34		
89		9006557-00	KEPNUT 4-40	36		
90		9006706-00	WASHER NYLON	6		
91		9006721-00	WASHER, ANODIZED	14		
92		9006745-00	EYELET	6		

ECO. NO.

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	TAPE MOTION PWR BOARD		B	PL	5412264-0-0	B
EN-01140A-18-R276(325)	DRB 125	SHEET 5 OF 6	INTEGRATION PARTS LIST DATA BASE REV			

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY PHIL BOSSMAN	CHECKED <i>P. Bossman</i>	SECTION 1
DATE 21 Sept. '76	DATE 21 SEP 76	
ENG <i>St. Hart</i>	PROD <i>H. Dillard</i>	ISSUED SECTION 1
DATE 21 Dec 76	DATE 21 DEC 76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION										REF DESIGNATION	
93		9007791-00	CAMBION TERMINAL	12											TP2, TPS, TFS THRU TP14
94		9006632-00	WASHER, INT LOCK	2											
95		9006746-00	EYELET	4											
96		9006010-4	SCREW, BD HD 4-40X5-16 LG	4											
97		1110420-00	DEC RECTIFIER, A15B (1N5624)	12											D3, D4, D6, D7, D11, D12, D16, D17, D18, D23, D41, D61
98		1100125-00	DIODE 1N758A ZENER	1											D26
99		9007265-00	SPACER, THD (4-40X1.00LG)	2											
100		9006655-00	WASHER, FLAT 4-40	2											
101															
102		1309150-04	POT 5K 1/2W 20% 100PPM	1											R28
103		7417136-00	HEAT SINK	2											
REF		5412264-0-1	CIRCUIT SCHEMATIC	REF											
105		1910406-00	IC 75451	1											E11
106		1909004-00	IC 7402	1											E3

E.C.O. NO.

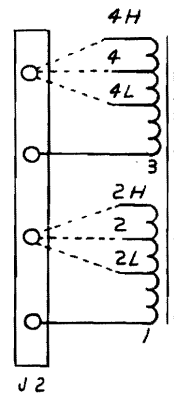
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		SHEET 6 OF 6	B	PL	5412264-0-0	B

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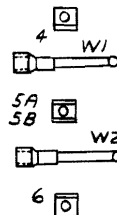
**NOTES:**

- F2 = 6 1/4 AMP SB FOR 125V/60 CYCLE OPERATION. USE LITTEL FUSE PIN 313625. F2 = 4 AMP SB FOR 250 V/50 CYCLE OPERATION.
- ALL 5 TRANSISTORS, Q5 - Q8, Q10 ARE TO HAVE #10 AWG TUBING, 1/16" LONG, ON 4-4C SCREWS THAT HOLD TRANSISTORS TO HEAT-SINK.
- THERMAL COMPOUND TO BE APPLIED BETWEEN HEAT SINK AND DIODES D9, D11, D12, Q5-Q8, Q10, AND D15.
- USE ONLY BUSS SLO-BLOW FUSE MDX5 PART #9009791.
- INSTALL #4 LOCKWASHERS (ITEM 107) UNDER THE HEAD OF ALL SCREWS USED TO SECURE Q5-Q8 AND Q10. TORQUE HARDWARE TO 5.5 IN. LBS. PART #9008033-1 SHOULD BE USED IN PLACE OF ITEM 18 (9006013-1) ON Q5, Q6, Q7, Q8 AND Q10 TRANSISTORS HAVING EXTRA THICK FLANGES.

VOLTAGE RANGE 50-60 CPS	TRANSFORMER PRIMARY TAPS
95 TO 105 195 TO 210	1 AND 2L; 3 AND 4L
105 TO 120 210 TO 240	1 AND 2; 3 AND 4
120 TO 132 240 TO 264	1 AND 2H; 3 AND 4H



VOLTAGE (NOMINAL) INPUT	W1 CONN	W2 CONN
115V 50-60 CPS	4	6
230V 50-60 CPS	5A	5B



IC TYPE	GND	+5V
75451	4	8
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
3	R37, R26, R44	RES 1K POT	1309150-03	55 REF
2	R39, R63	RES 56 1/4 W 5%	1302602	56 REF
2	R38, R47	RES 2.4 K 1/4 W 5%	1303177	57 REF
1	R45	RES 2.74 K 1/4 W 1%	1304868	58 1
3	R41, R50, R32	RES 1 2W 5% WW	1305428	59 6
1	R51	RES 10K 1/4 W 5%	1300479	60 20
1	R54	RES 8.2K 1/4 W 5%	1303179	61 2
3	R49, R58, R61	RES 750 1/4 W 5%	1301401	62 2
1	R57	RES 5K POT	1309150-4	63 2
1	R59	RES 500 POT 1/2 W 10%	1309150-8	64 1
1	R62	RES 330 1/4 W 5%	1300295	65 3
3	R66, R65, R64	RES .03 5W 3%	1310876-01	66 3
5	R21, R28, R35, R48, R67	RES 100 1/4 W 5%	1300229	67 3
1	R69	RES 10 10W 10%	1300173	69 5
3		WASHER, LOCK, INTERNAL	9006653	70 A/R
4		SPACER, ROUND FIBRE #6-32	9009556	71 10
3		SCREW PAN HD #6-32 x 1/4	9006020-1	72 10
1	Q5	TRANSISTOR 2N5302	1510196	73 A/R
4	Q6, Q7, Q8, Q10	TRANSISTOR 2N3055	1505819	74 1
2	Q11, Q12	TRANSISTOR 2N2904A	1501913	75 1
3	D15, D22, D26	SCR 2N4441	1505867	76 1
3	E1, E2, E3	I.C. DEC 723	1910415	77 1
1	E4	I.C. LM304	1911555	78 52
1	E5	I.C. DEC 75451	1910406	79 2
3	W2, W3, W4	JUMPER INSULATED (.4)	9009185	80 1
1	F2	FUSE 6 1/4 A SB	9007223	81 6
1	F4	FUSE 4A SB	9007220	82 2
1	F4	FUSE 15A SB	9007227	83 2
1	F5	FUSE 3.0 A SB	9007218	84 2
2	F6, F7	FUSE 20A	9008835	85 2
2	F8, F9	FUSE 5A SB	9007222	86 2
2	F11, F10	FUSE 3/4 A	9007210	87 4
3	F13, F14, F12	FUSE 15A (AXIAL LEAD)	1210929	88 2
1	F1	FUSE 5A SB (BUSS MDX5)	9009791	89 4
1	K2	RELAY	1210683	90 1
2	L1, L2	INDUCTOR 12 UH	1603358	91 1
6		WASHER NYLON	9006707	92 1
3		WASHER LOCK	9007801	93 1
2		ROLL PIN 3/4 LONG	9009370-00	94 1
8		SPLIT LUG	9006735	95 2
1	W1 (F15 LOCATION)	WIRE, BUSS, 22 AWG.	9107560-01	96 2
5	I THRU 4, 6	TAB FASTON	9008219	97 1
1		TAB FASTON	9007113	98 3
1		HEAT SINK	1210907	99 2
1		WASHER, FLAT	9006653	100 2
1		SCR, PAN HD #6-32 x 1/2	9006024-1	101 3
1		NUT, KEPS	9008185	102 4
1		TUBING, #10AWG 3/16 LG	9107302-11	103 2
1		RES 1K 1/4 W 5%	1300808	104 1
A/R		CLEAR TUBING INSULATION	9107256	105 2
1	D12	DIODE (UNITRODE)	1113889-0	106 1
10		LOCKWASHER #4INT	9006632	107 2
A/R		WIRE, 30GA SOLID	9105740-55	108 1

FIRST USED ON OPTION MODEL: TU16

ETCH BOARD REV. A

DATE: 9-18-76

DRN: J. Johnston

CHK: 5412242-00009 K

ENGR: H. Drab

DESIGN: H. Drab

PROD: H. Drab

NEXT HIGHER ASSY: 5412242-00000 J

TITLE: TU16 POWER SUPPLY

SIZE CODE: D CS

NUMBER: 54 27-2-J

REV. K

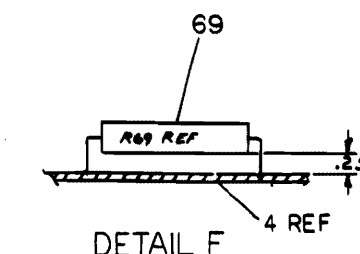
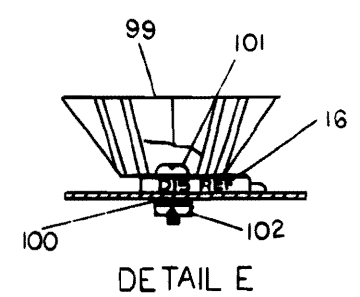
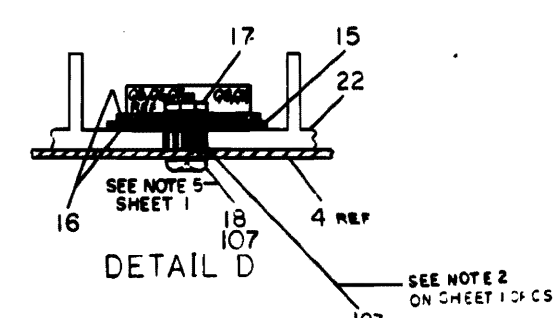
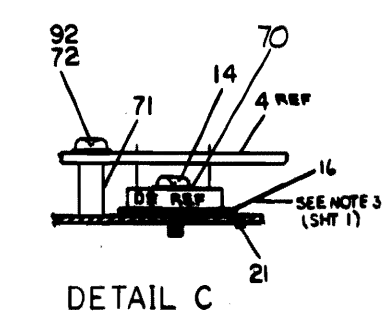
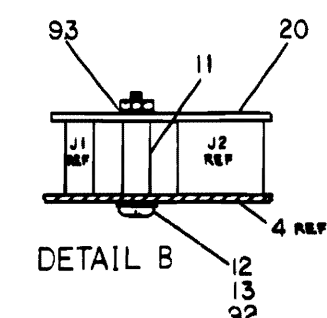
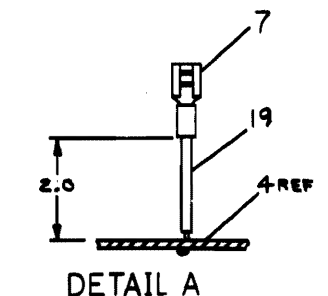
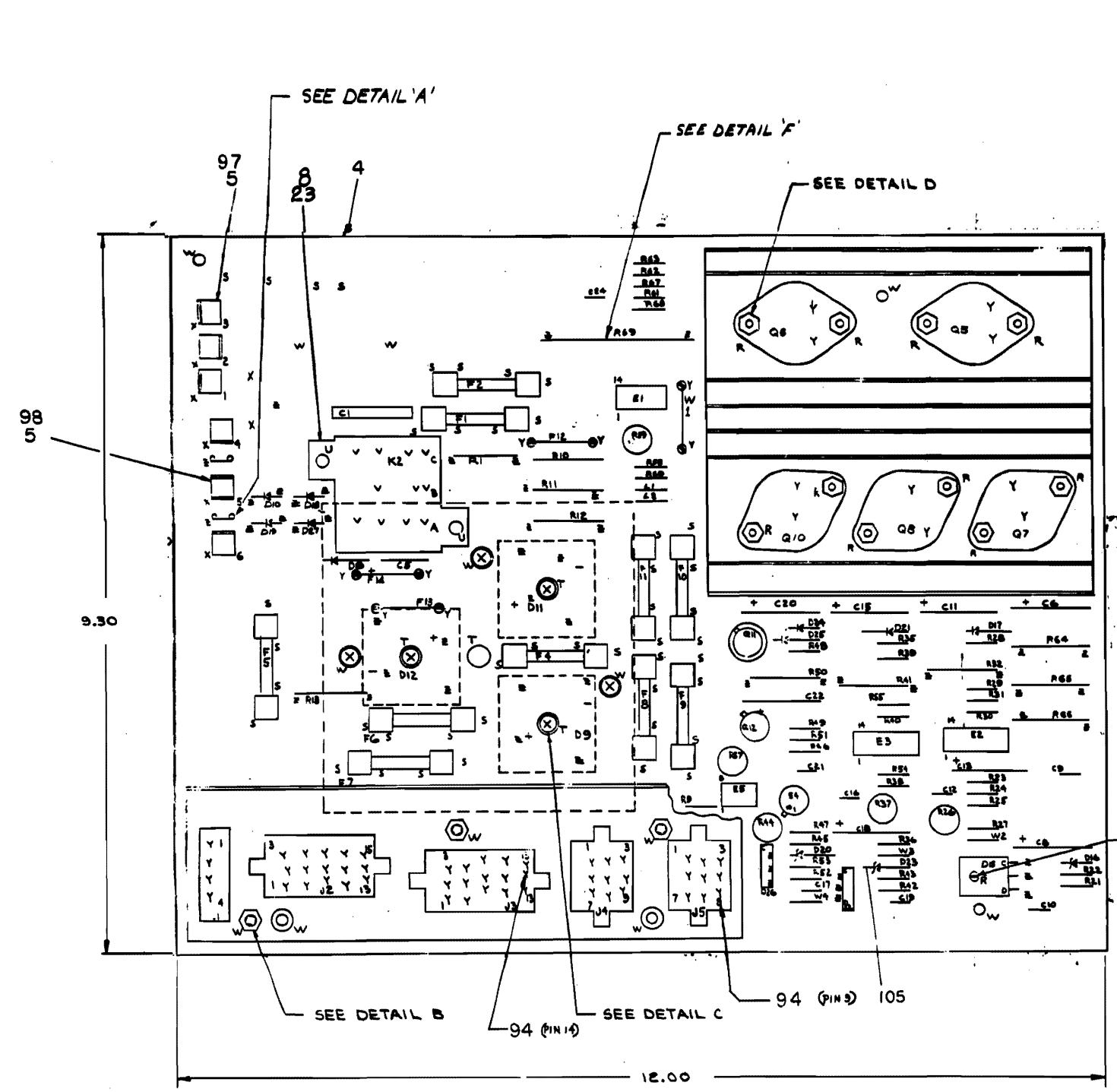
SEMICONDUCTOR CONVERSION CHART

SHEET 1 OF 3

REV	CHG	NO.	DATE	BY
1	A	5412242-00000	9-18-76	J. Johnston
2	B	5412242-00001	9-18-76	H. Drab
3	C	5412242-00002	9-18-76	H. Drab
4	D	5412242-00003	9-18-76	H. Drab
5	E	5412242-00004	9-18-76	H. Drab
6	F	5412242-00005	9-18-76	H. Drab
7	G	5412242-00006	9-18-76	H. Drab
8	H	5412242-00007	9-18-76	H. Drab
9	I	5412242-00008	9-18-76	H. Drab
10	J	5412242-00009	9-18-76	H. Drab
11	K	5412242-00010	9-18-76	H. Drab
12	L	5412242-00011	9-18-76	H. Drab
13	M	5412242-00012	9-18-76	H. Drab
14	N	5412242-00013	9-18-76	H. Drab
15	O	5412242-00014	9-18-76	H. Drab
16	P	5412242-00015	9-18-76	H. Drab
17	Q	5412242-00016	9-18-76	H. Drab
18	R	5412242-00017	9-18-76	H. Drab
19	S	5412242-00018	9-18-76	H. Drab
20	T	5412242-00019	9-18-76	H. Drab
21	U	5412242-00020	9-18-76	H. Drab
22	V	5412242-00021	9-18-76	H. Drab
23	W	5412242-00022	9-18-76	H. Drab
24	X	5412242-00023	9-18-76	H. Drab
25	Y	5412242-00024	9-18-76	H. Drab
26	Z	5412242-00025	9-18-76	H. Drab

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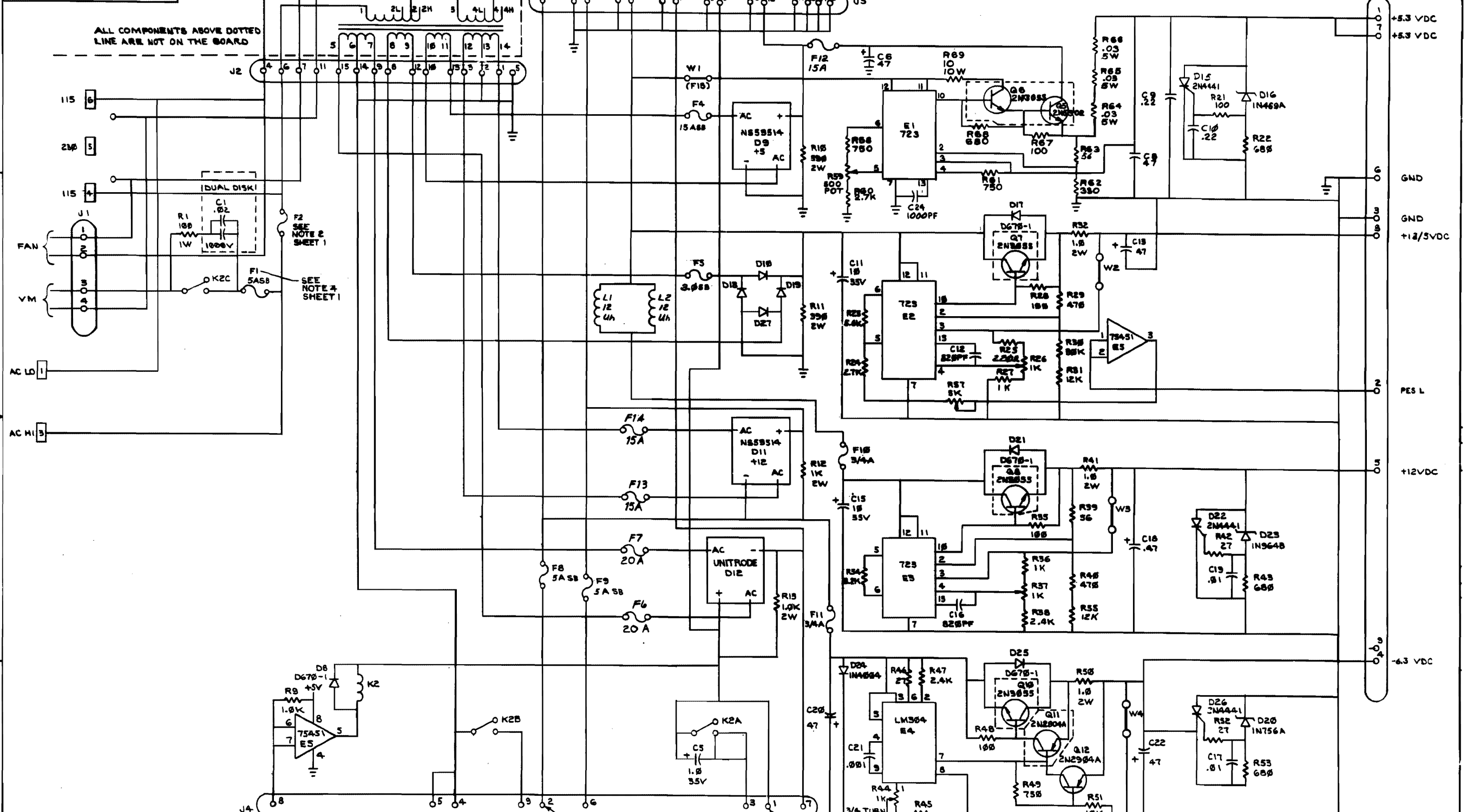


REVISIONS		
CHK	CHANGE NO	REV.

TITLE	TUI6 POWER SUPPLY	SIZE CODE	D CS	NUMBER	5412242-0-1	REV.	K
SCALE	1:1	SHEET	2	OF	3	DIST.	

8 7 6 5 4 3 2 1

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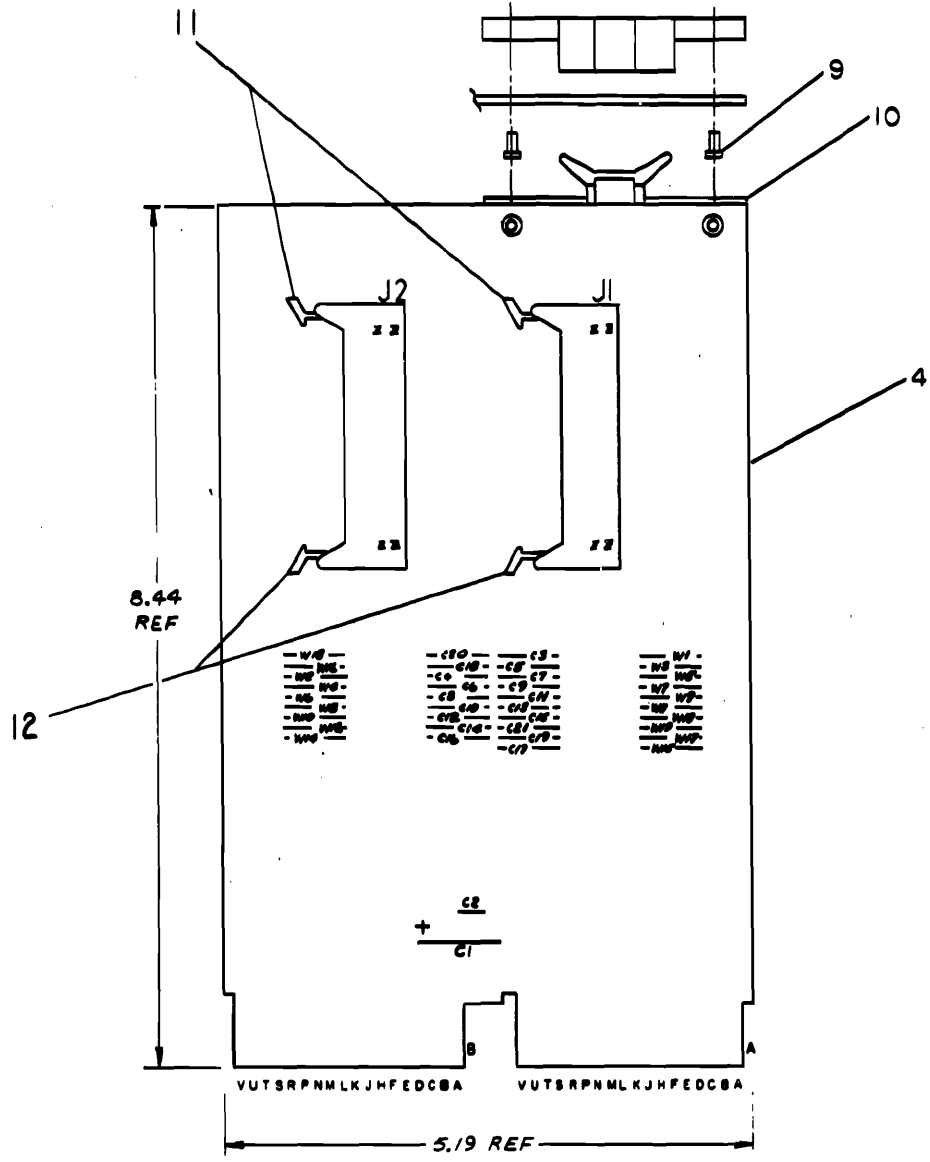
REVISIONS		
CHK	CHANGE NO.	REV.

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**NOTES:**

0 T-1006W SCD 2

REP	XY COORDINATE HOLE LOCATION	K-CO-M9001-0-4	1
REP	ASSY/DRILLING HOLE LAYOUT	D-MH-M9001-0-5	2
REP	MODULE ECO HISTORY	B-MH-M9001-1-6	3
1	ETCHED CIRCUIT BOARD	5010465	4
20	CE THRU CE1	CAP .01UF 100V 20% AXIAL	1001610
1	CI	CAP 6.8UF 55V 10% TANT	1005306
19	WI THRU WI9	JUMPER, INSULATED WIRE	9009.55
2	J1, J2	CONN, 40 PIN	20994.1-2
4	EYELET		0006792
2	HANDLE FLIP-CHIP MAGENTA		9008997-6
2	LATCH, LEFT		120994.3
2	LATCH, RIGHT		120994.4



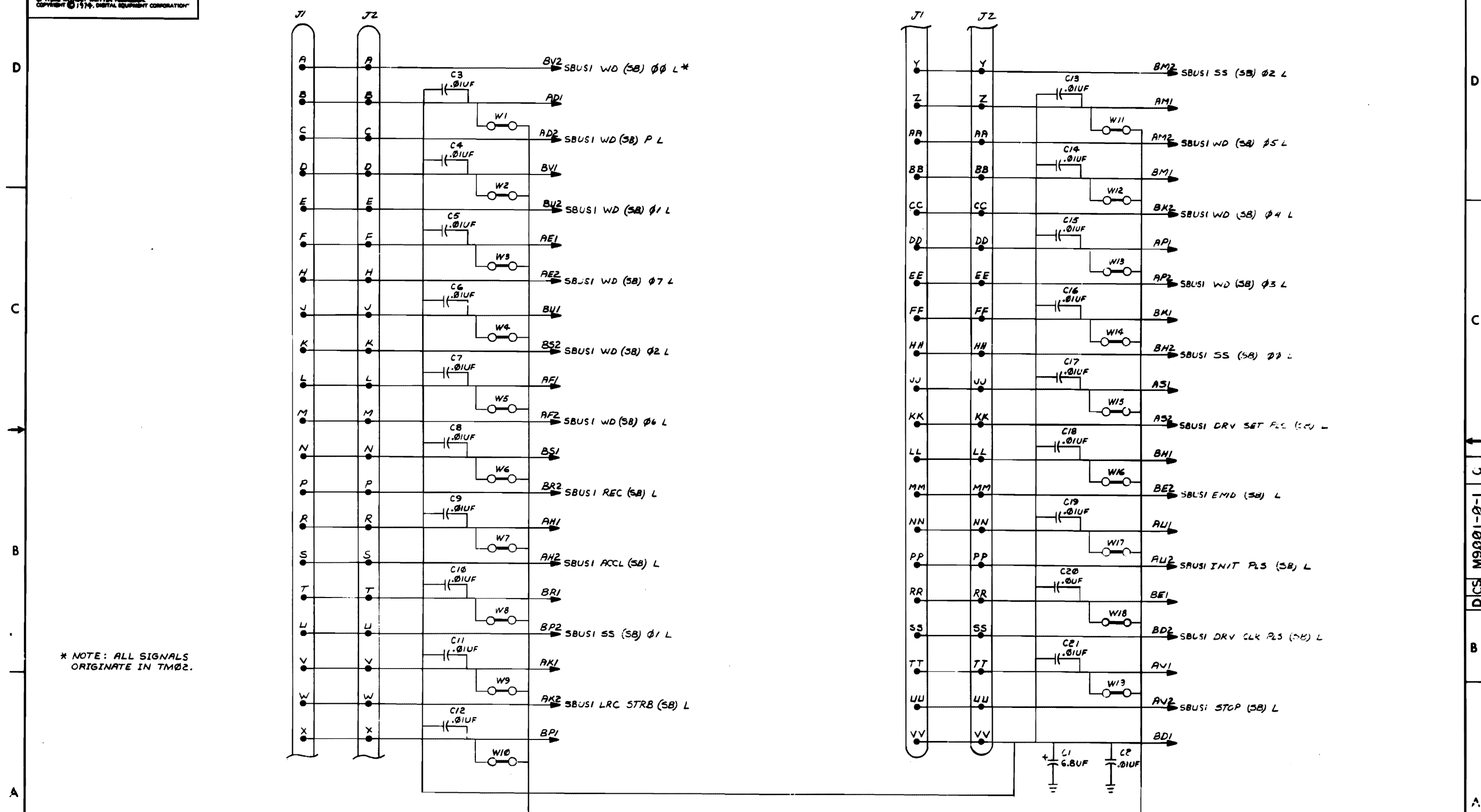
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

FIRST USED ON OPTION MODEL		PARTS LIST	
TU16		ETCH BOARD REV C	
DRN	DATE	digital EQUIPMENT CORPORATION	
CHKD	DATE	TITLE	
DES	DATE	GEN PURPOSE CARD	
PROJ ENG	DATE	(A & B)	
PROJ	DATE	DCS M9001-0-1	
NEXT HIGHER ASSY		REV. C	
DEC NO.	EIA NO.	SEMICONDUCTOR CONVERSION CHART	
SCALE		SHEET 1 OF 2	

DCS M9001-0-1

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DIGITAL EQUIPMENT CORPORATION  
 1-0-1006W SCID 2



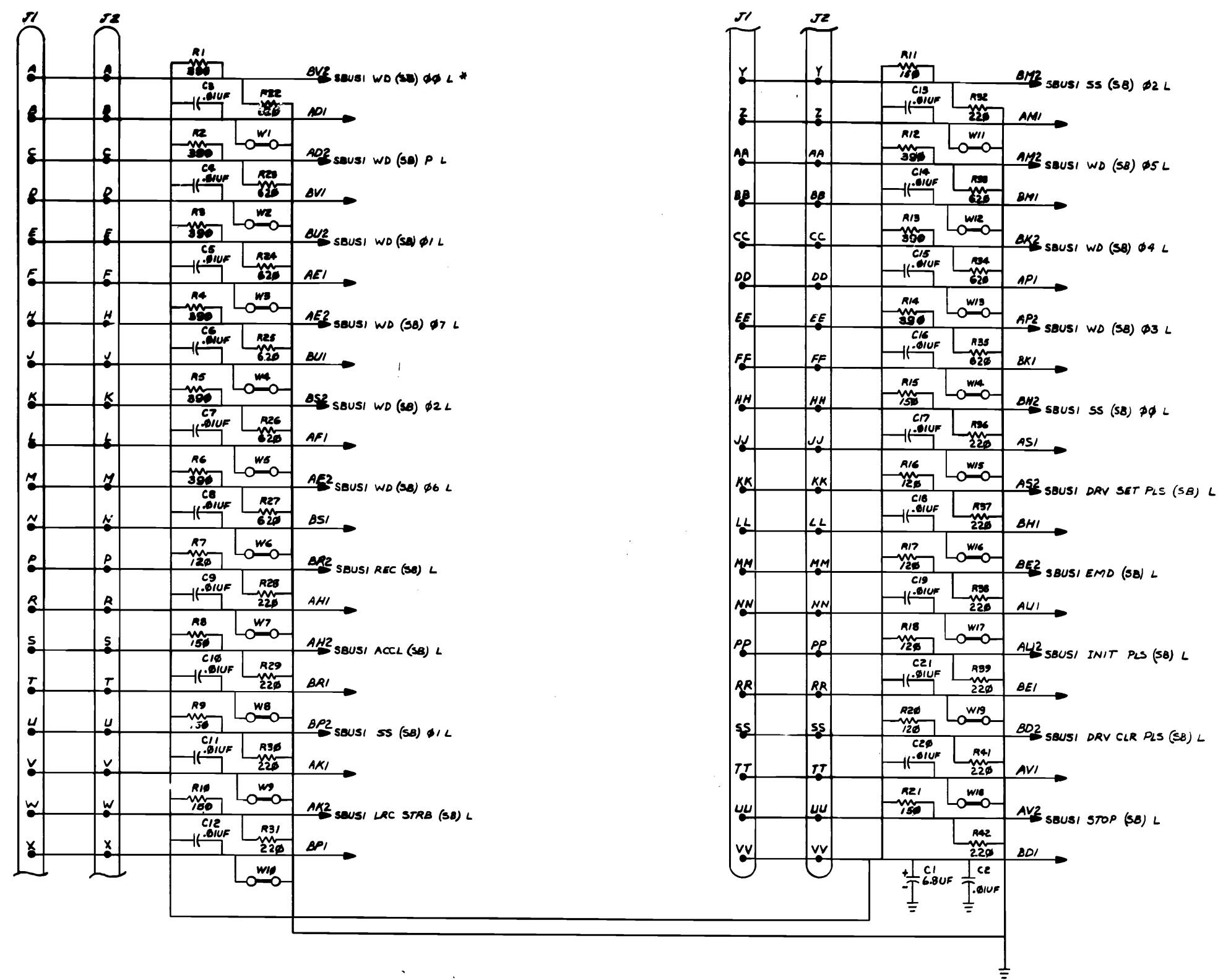
\* NOTE: ALL SIGNALS ORIGINATE IN TM02.

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE GEN PURPOSE CARD (A & B)		SIZE CODE D CS	NUMBER M9001-0-1	REV. C
SCALE	SHEET 2 OF 2	DIST.		

DIGITAL EQUIPMENT CORPORATION



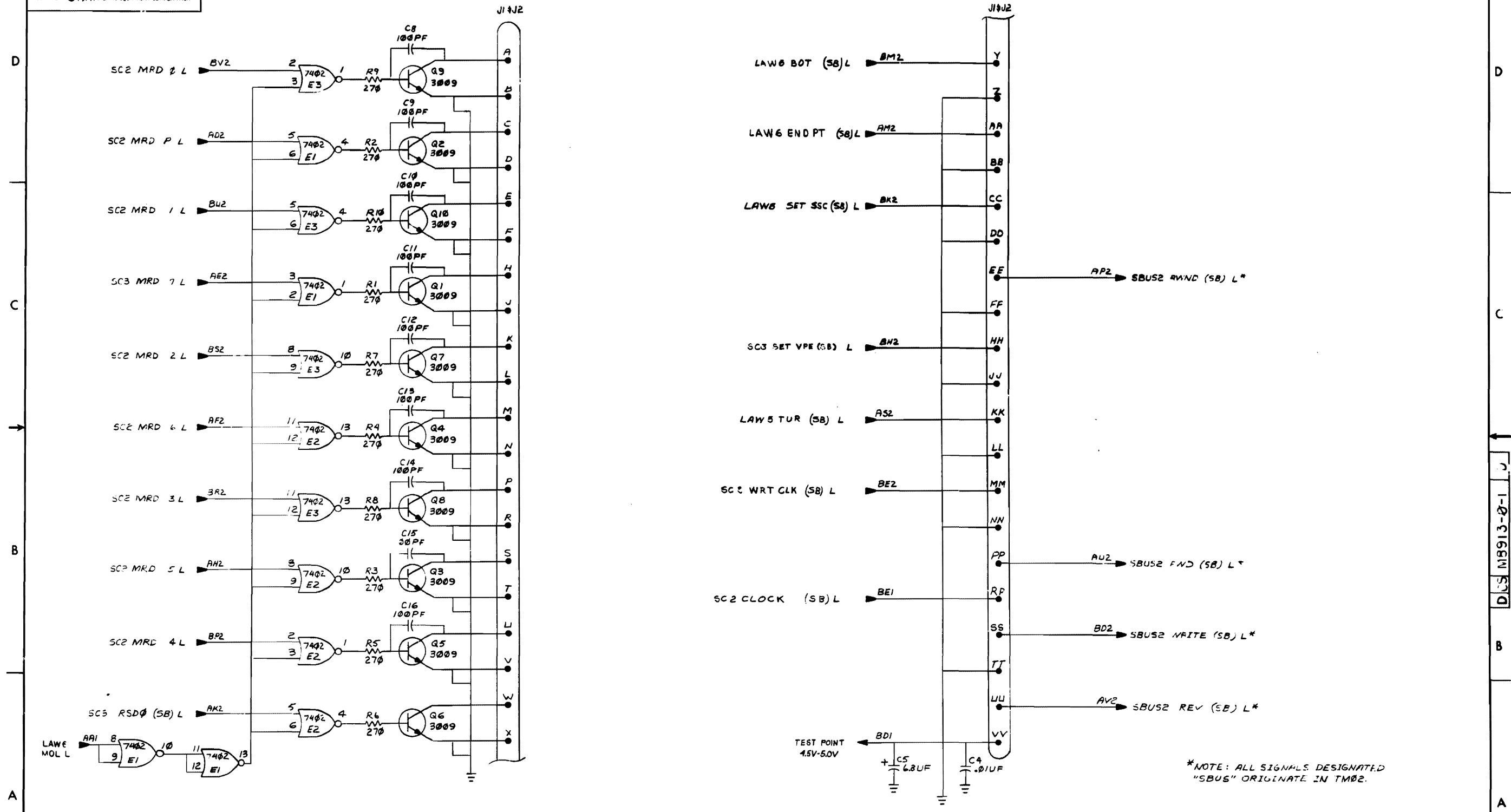


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REVISIONS		
CHK	CHANGE NO.	REV.



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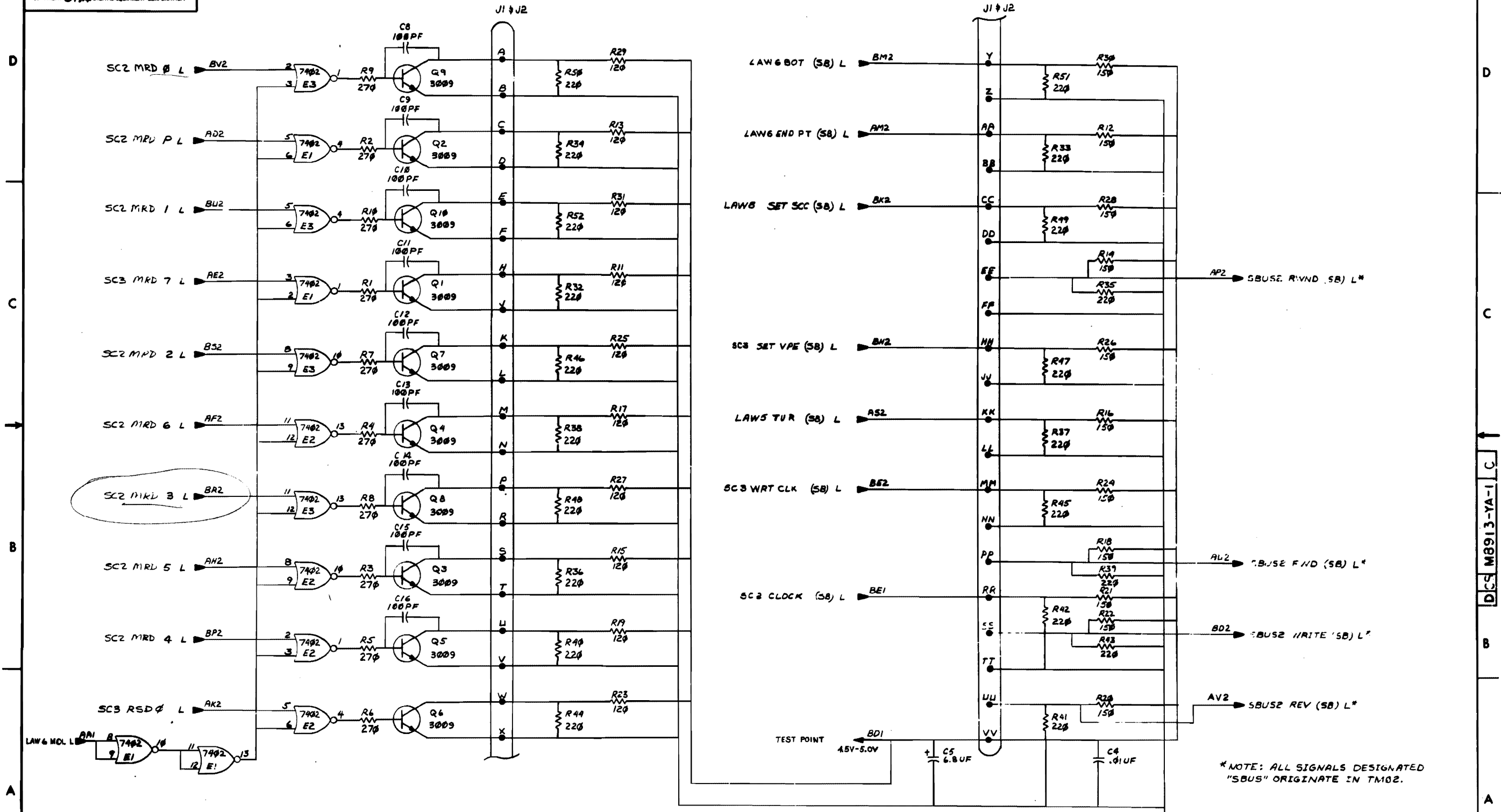
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CHK	CHANGE NO	REV



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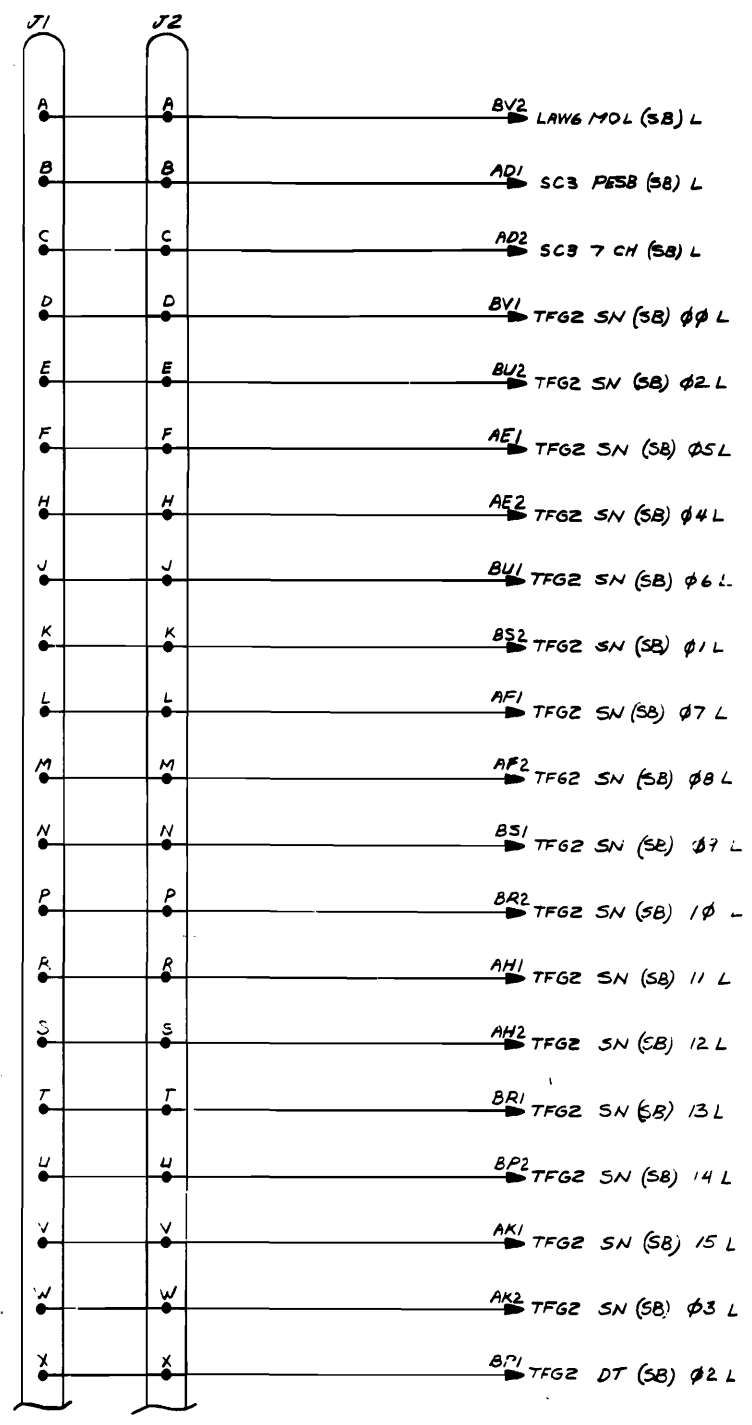
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REVISIONS		
CHK	CHANGE NO.	REV.

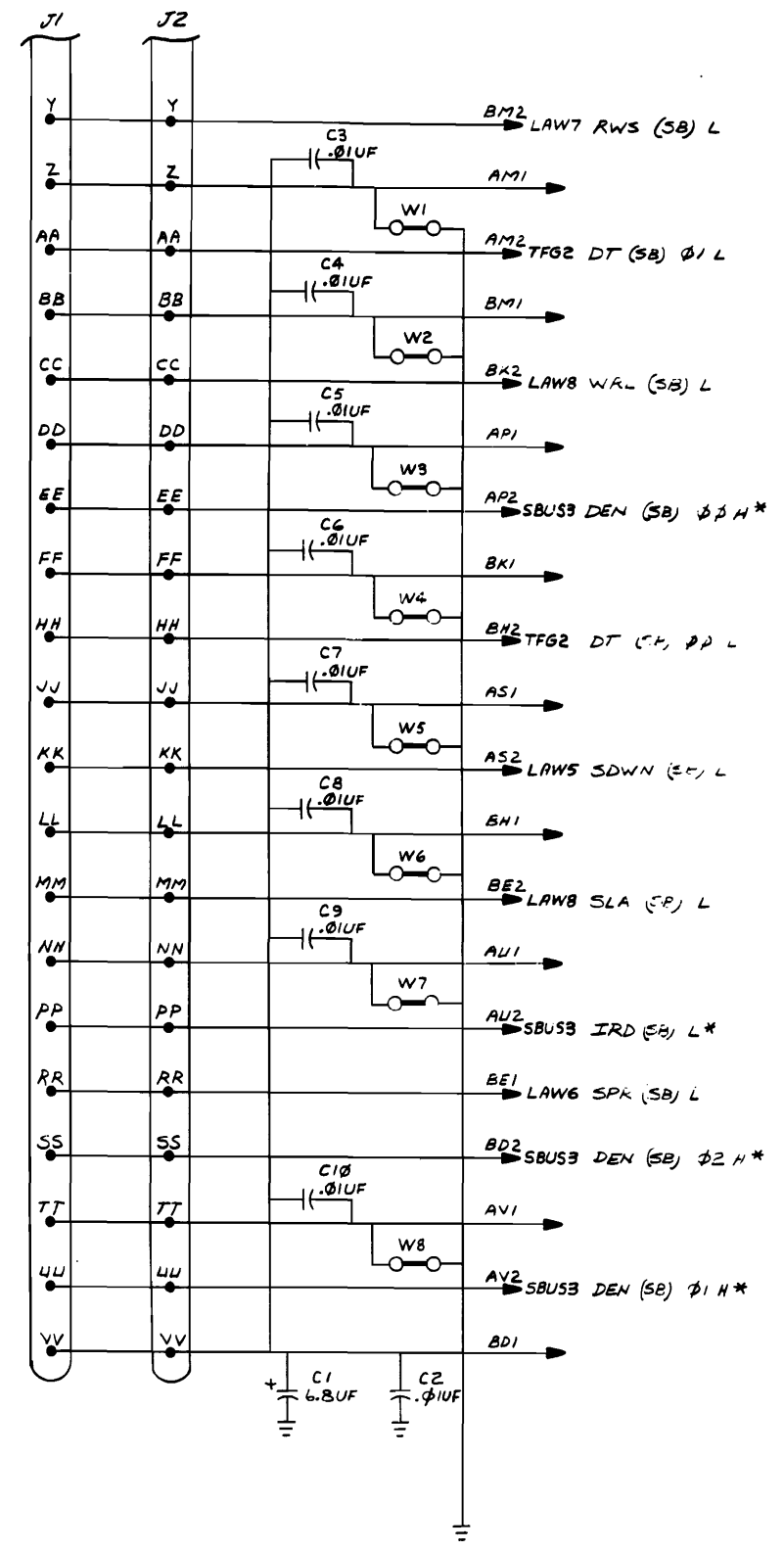


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DCS M9001-YA-1 2



NOTE: ALL SIGNALS DESIGNATED "SBUS" ORIGINATE IN TM02.

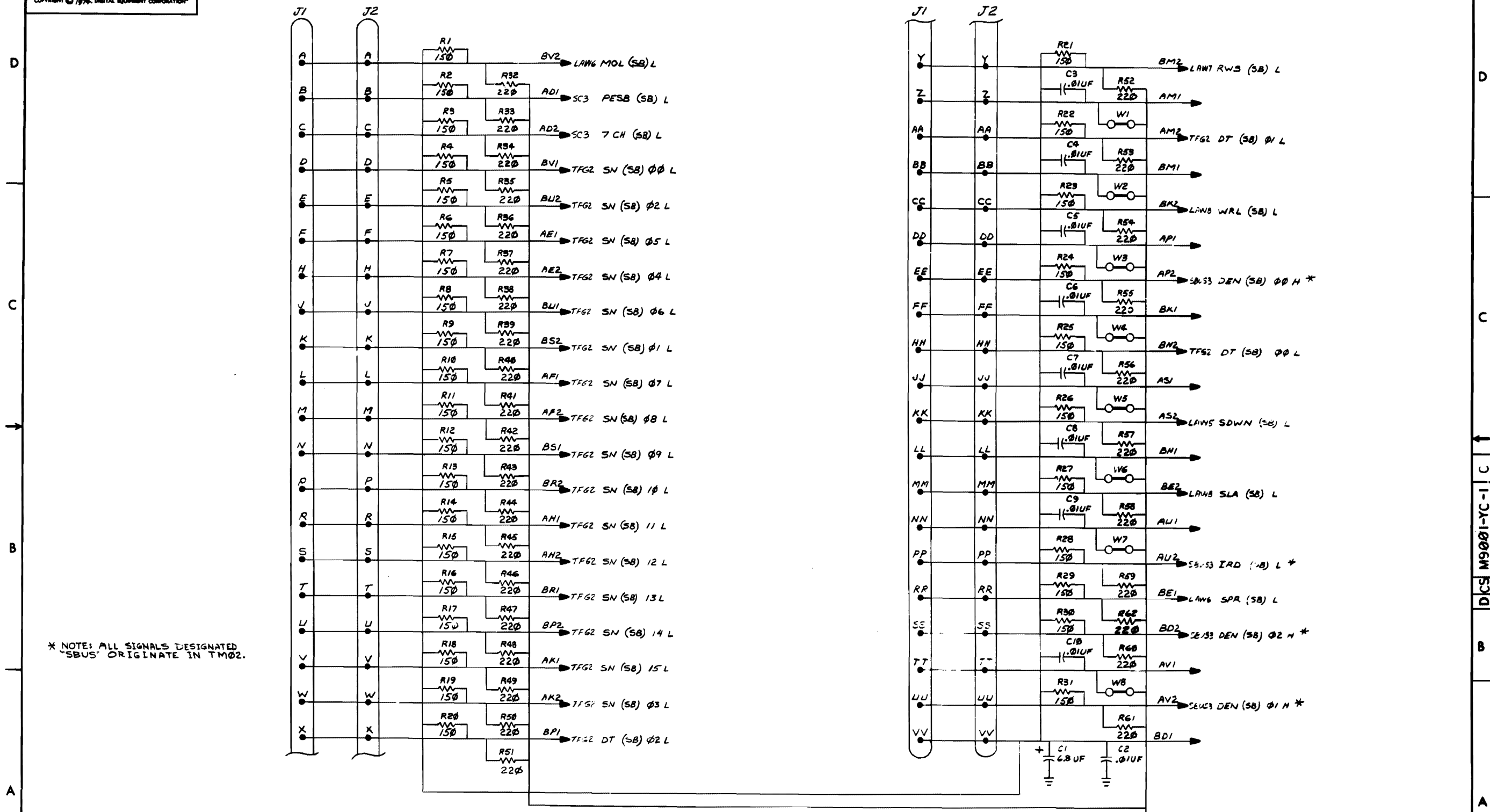


REVISIONS		
CHK	CHANGE NO	REV.



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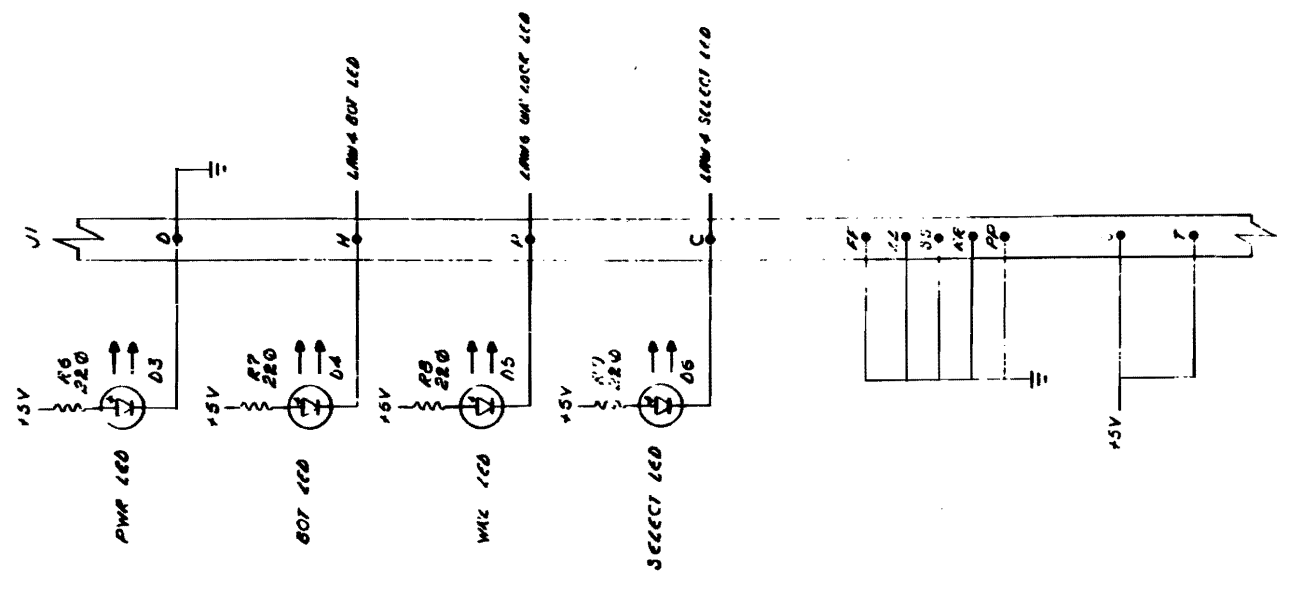
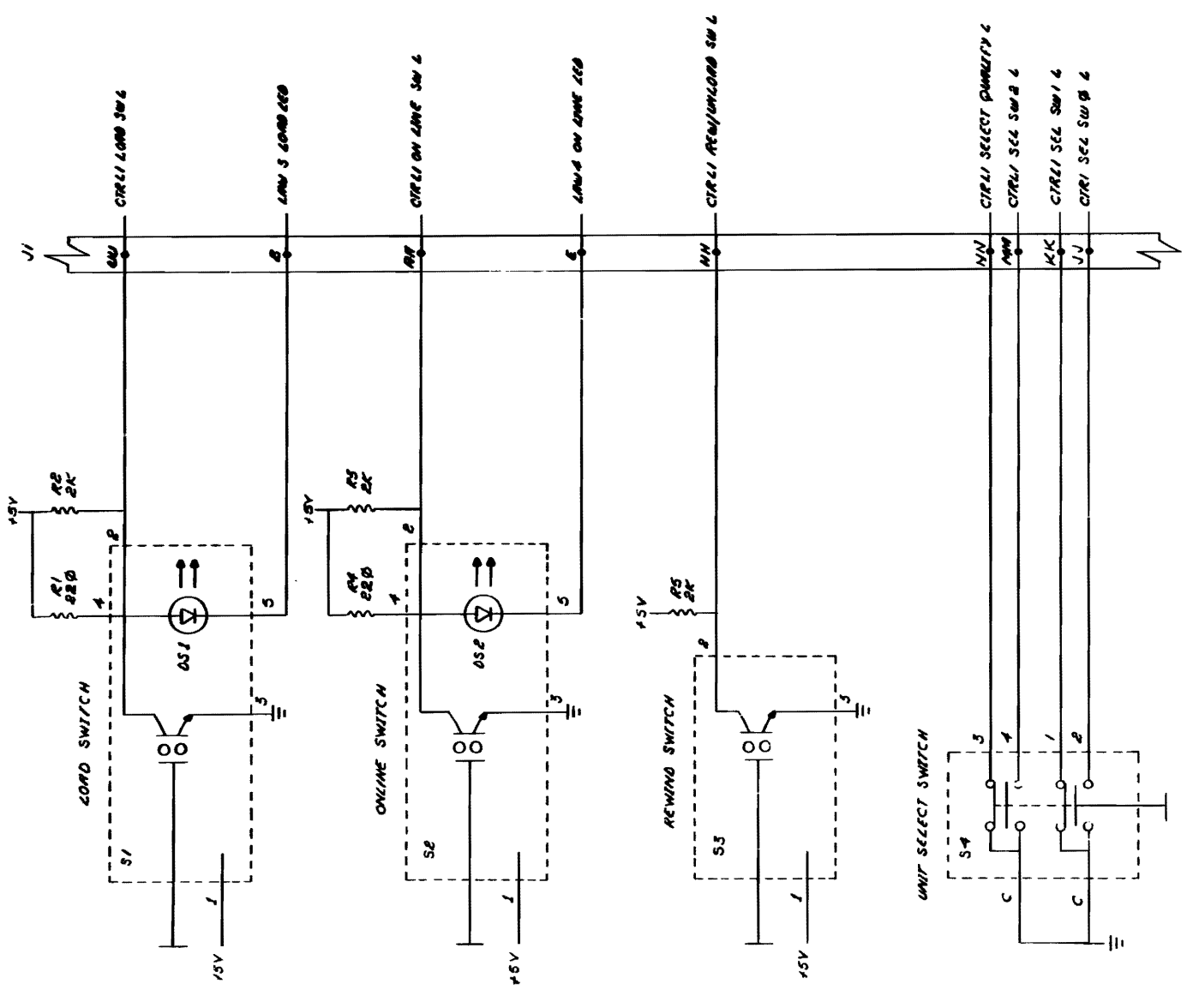
1-10-006W DCS 2



\* NOTE: ALL SIGNALS DESIGNATED "SBUS" ORIGINATE IN TM02.

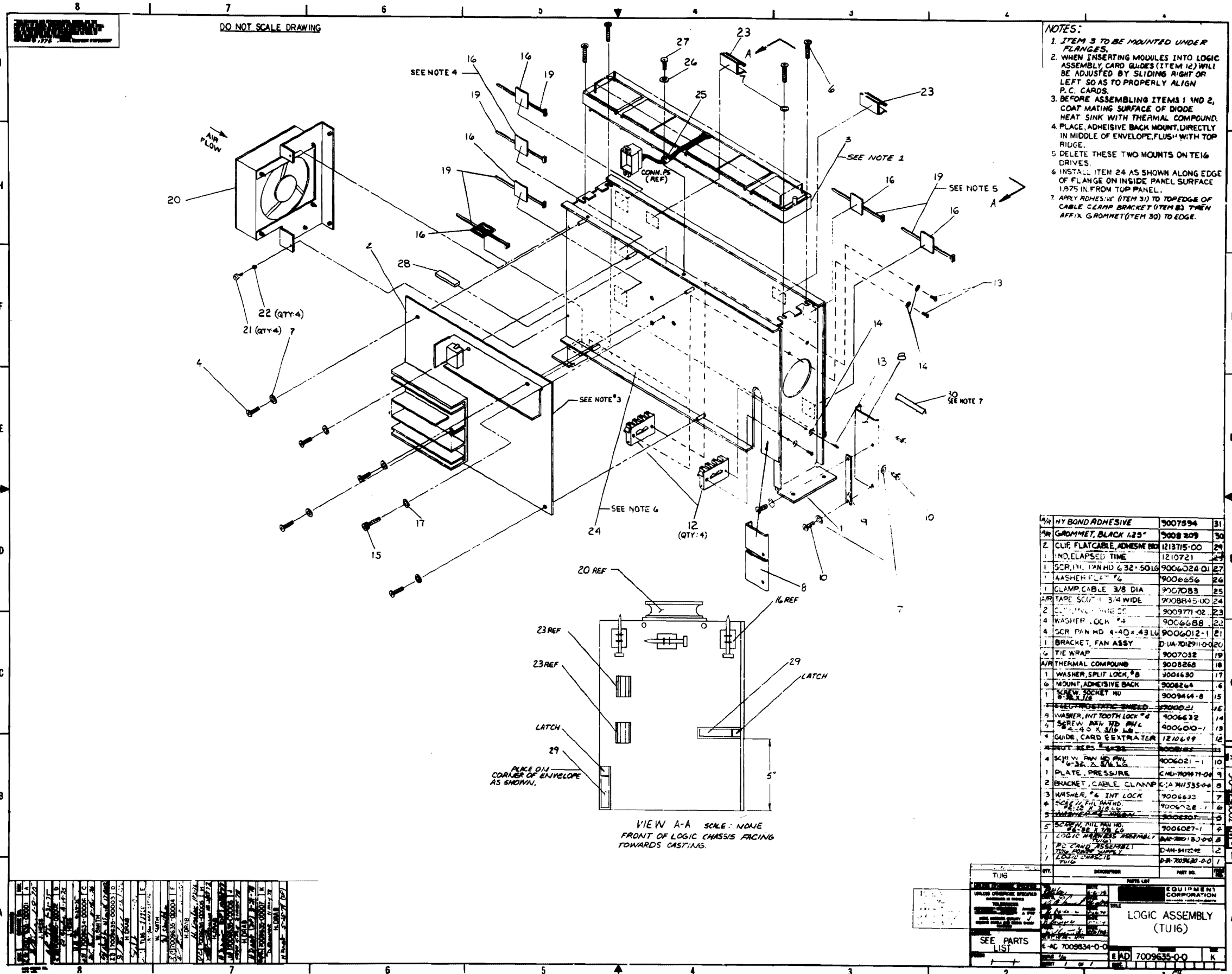
REVISIONS		
CHK	CHANGE NO	REV.

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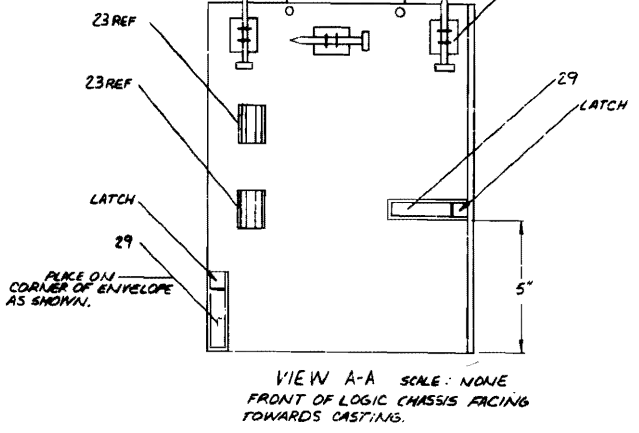
REV.	CHG.	CHANGE NO.	REV.
H. DRAB		DATE 8/20/77	
A7 6412347-0001 B			

DATE	3/1/77	DESIGNER	JULIOW
CHECKED		DRIVER	
END.		TITLE	TUHOW SWITCH (CTRL)
PROJ. ENGR.		PROJ. NO.	6412347-0
PROJ. MGR.		REV.	B
TEST NUMBER		SCALE	NONE
BENCH		SHEET	1
		OF	1
		QTY.	



- NOTES:**
- ITEM 3 TO BE MOUNTED UNDER FLANGES.
  - WHEN INSERTING MODULES INTO LOGIC ASSEMBLY, CARD GUIDES (ITEM 12) WILL BE ADJUSTED BY SLIDING RIGHT OR LEFT SO AS TO PROPERLY ALIGN P.C. CARDS.
  - BEFORE ASSEMBLING ITEMS 1 AND 2, COAT MATING SURFACE OF DIODE HEAT SINK WITH THERMAL COMPOUND.
  - PLACE ADHESIVE BACK MOUNT DIRECTLY IN MIDDLE OF ENVELOPE, FLUSH WITH TOP RIDGE.
  - DELETE THESE TWO MOUNTS ON TE16 DRIVES.
  - INSTALL ITEM 24 AS SHOWN ALONG EDGE OF FLANGE ON INSIDE PANEL SURFACE 1.875 IN. FROM TOP PANEL.
  - APPLY ADHESIVE (ITEM 31) TO TOP EDGE OF CABLE CLAMP BRACKET (ITEM 23) THEN AFFIX GROMMET (ITEM 30) TO EDGE.

1/4" NY BOND ADHESIVE	9007594	31
1/4" GROMMET, BLACK 1/25"	9008309	30
2 CLIP FLATCABLE, ADHESIVE BACK	1213715-00	29
1 IND. ELAPSED TIME	1210721	28
1 SCR. PAN HD 6-32 x 50 LG	9006024 Q1	27
1 WASHER, FLAT #6	9006656	26
1 CLAMP CABLE 3/8 DIA	9007083	25
1 TAPE SCOTCH 3/4 WIDE	9008845-00	24
2 CABLE CLAMP BRACKET	9009771-02	23
4 WASHER, LOCK #4	9006688	22
4 SCR PAN HD 4-40 x .43 LG	9006012-1	21
1 BRACKET, FAN ASSY	D-VA-7012911-00	20
6 TIE WRAP	9007032	19
1/4" THERMAL COMPOUND	9008268	18
1 WASHER, SPLIT LOCK #8	9006690	17
6 MOUNT ADHESIVE BACK	9008264	16
1 SCREW SOCKET HD 8-32 x 1/2	9009464-8	15
1 ELECTROSTATIC SHIELD	9006021	14
1 WASHER, INT TOOTH LOCK #8	9006632	13
1 SCREW PAN HD 8-32 x 1/2	9006010-1	12
4 GUIDE, CARD EXTRA TER	1210699	11
1 SCREW PAN HD 8-32 x 1/2	9006021	10
4 SCREW PAN HD 8-32 x 1/2	9006021	9
1 PLATE, PRESSURE	CMU-700971-04	8
2 BRACKET, CABLE CLAMP	9009771-02	7
3 WASHER, #6 INT LOCK	9006633	6
4 SCREW PAN HD 8-32 x 1/2	9006010-1	5
5 WASHER, #6 INT LOCK	9006633	4
1 SCREW PAN HD 8-32 x 1/2	9006021	3
1 LOGIC CHASSIS ASSEMBLY	D-VA-7012911-00	2
1 PC BOARD ASSEMBLY	D-VA-7012911-00	1
1 LOGIC CHASSIS	D-VA-7012911-00	1



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	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

QUANTITY	DESCRIPTION	PART NO.
1	LOGIC CHASSIS ASSEMBLY	D-VA-7012911-00
1	PC BOARD ASSEMBLY	D-VA-7012911-00
1	LOGIC CHASSIS	D-VA-7012911-00
1	NY BOND ADHESIVE	9007594
1	GROMMET, BLACK 1/25"	9008309
2	CLIP FLATCABLE, ADHESIVE BACK	1213715-00
1	IND. ELAPSED TIME	1210721
1	SCR. PAN HD 6-32 x 50 LG	9006024 Q1
1	WASHER, FLAT #6	9006656
1	CLAMP CABLE 3/8 DIA	9007083
1	TAPE SCOTCH 3/4 WIDE	9008845-00
2	CABLE CLAMP BRACKET	9009771-02
4	WASHER, LOCK #4	9006688
4	SCR PAN HD 4-40 x .43 LG	9006012-1
1	BRACKET, FAN ASSY	D-VA-7012911-00
6	TIE WRAP	9007032
1/4"	THERMAL COMPOUND	9008268
1	WASHER, SPLIT LOCK #8	9006690
6	MOUNT ADHESIVE BACK	9008264
1	SCREW SOCKET HD 8-32 x 1/2	9009464-8
1	ELECTROSTATIC SHIELD	9006021
1	WASHER, INT TOOTH LOCK #8	9006632
1	SCREW PAN HD 8-32 x 1/2	9006010-1
4	GUIDE, CARD EXTRA TER	1210699
1	SCREW PAN HD 8-32 x 1/2	9006021
4	SCREW PAN HD 8-32 x 1/2	9006021
1	PLATE, PRESSURE	CMU-700971-04
2	BRACKET, CABLE CLAMP	9009771-02
3	WASHER, #6 INT LOCK	9006633
4	SCREW PAN HD 8-32 x 1/2	9006010-1
5	WASHER, #6 INT LOCK	9006633
1	SCREW PAN HD 8-32 x 1/2	9006021
1	LOGIC CHASSIS ASSEMBLY	D-VA-7012911-00
1	PC BOARD ASSEMBLY	D-VA-7012911-00
1	LOGIC CHASSIS	D-VA-7012911-00

LOGIC ASSEMBLY (TUI6)

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FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUI6				

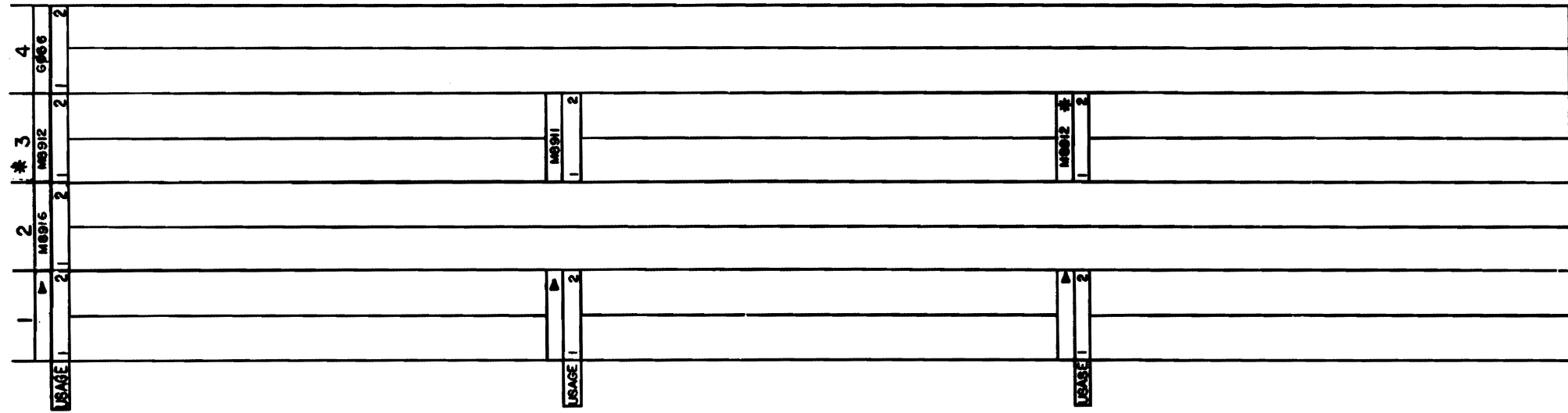
REVISIONS	CHANGE NO.	REV.	DESCRIPTION
AK	TUI6-00010	A	5-5-75
	J. HESS		
	J. R. Hess	5-7-75	
AK	TUI6-00013	B	7-25-75
	J. HESS		
	J. R. Hess	7-10-75	
AK	TUI6-00021	C	25 JUL 76
	H. DRAB		
	H. DRAB	6 Jul 76	
AK	TUI6-00022	D	2 Aug 76
	H. DRAB		
	H. DRAB	2 Aug 76	
AK	TUI6-00027	E	
	H. DRAB		
AK	TUI6-00030	F	
	H. DRAB		
	H. DRAB	3 MAR 77	
	H. DRAB	3-9-77	

DRN. <i>D. Schmitt</i>	DATE 2/20/74
CHK'D. <i>D. Schmitt</i>	DATE 2/24/74
ENG. <i>J. R. Hess</i>	DATE 2-20-74
PROF. ENG. <i>J. R. Hess</i>	DATE 2-20-74
PROD. <i>D. Schmitt</i>	DATE 5-31-74
NEXT HIGHER ASSEMBLY	
D-AD-7009605-0-0	
SCALE <i>1/1</i>	
SHEET	OF

<b>digital EQUIPMENT CORPORATION</b> MAYNARD, MASSACHUSETTS	
TITLE <b>WIRE LIST (TUI6)</b>	
SIZE CODE K WL	NUMBER TUI6-0-WL
DIST.	REV. F

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- NOTES:**
- USE CABLE SLOTS AS FOLLOWS
- |     | END-OF-BUS | MIDDLE-OF-BUS |
|-----|------------|---------------|
| A,B | M8001YB    | M8001         |
| C,D | M8013YA    | M8013         |
| E,F | M8001YC    | M8001-YA      |
- M8912 CAN BE USED AS A TEST FUNCTION GENERATOR IN SLOT 3 A/B. IT DRIVES SERIAL NO AND DRIVE TYPE LINES IN SLOT 3 E/F. THE TUIA CAN NOT OPERATE ON-LINE WITH M8912 IN SLOT 3 A/B.
  - ELECTROSTATIC SHIELD IS POSITIONED BETWEEN THE G066 MODULE AND THE M8911/M8912 MODULES.

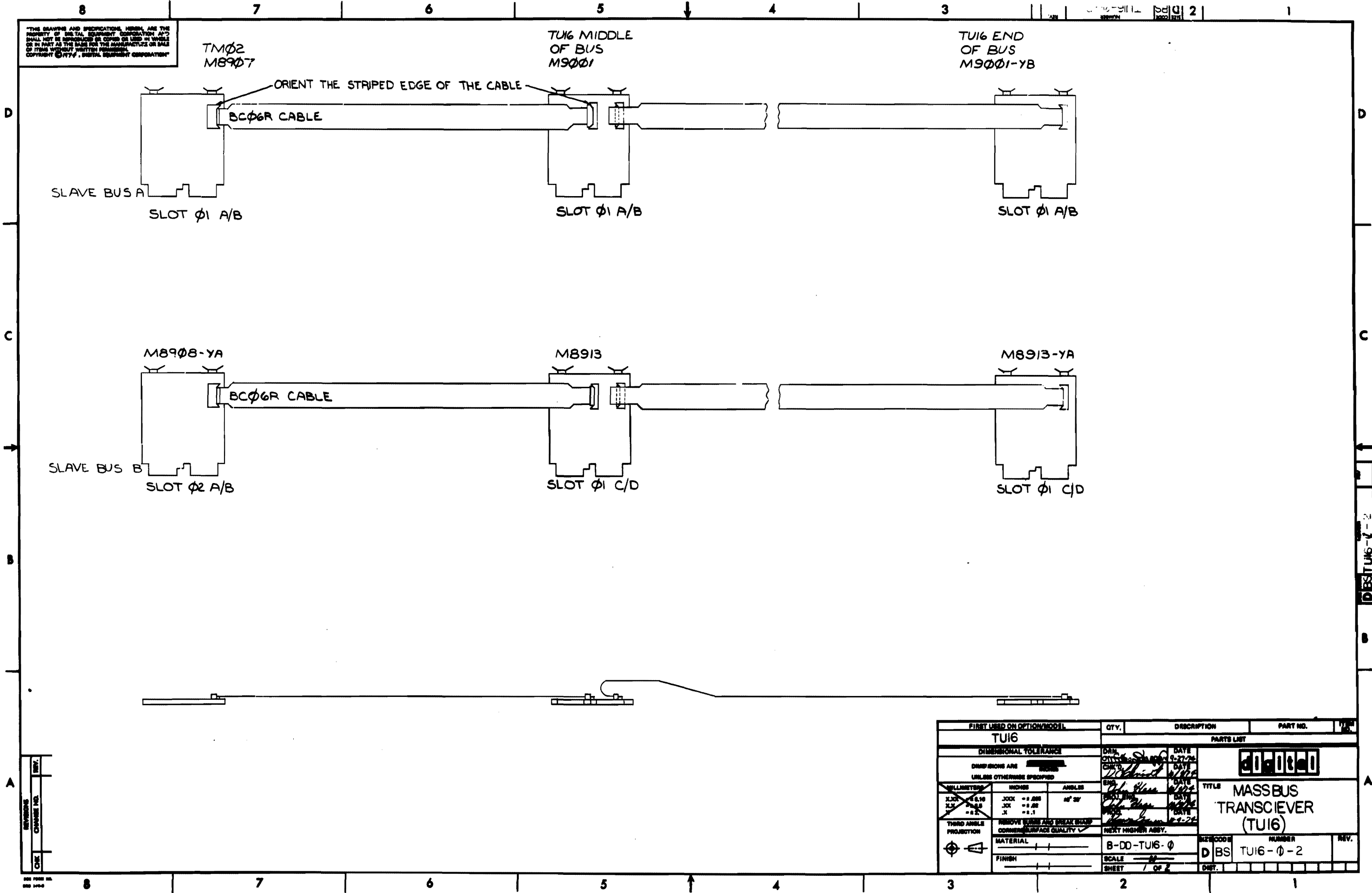


▲ SEE NOTE #1  
 \* SEE NOTE #2

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
TE16					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		DATE	DATE	TITLE	
MILLIMETERS		DATE	DATE	MODULE UTILIZATION	
XX - ±0.10	XX - ±0.05	DATE	DATE	REV.	
X - ±0.2	X - ±0.1	DATE	DATE	D MU TE16-0-MU	
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SCALE	
MATERIAL		NEXT THINNER ASSEMBLY		SHEET OF	
FINISH		D-VA-TE16-0-0		DIST.	

REV. CHANNEL NO. REV.

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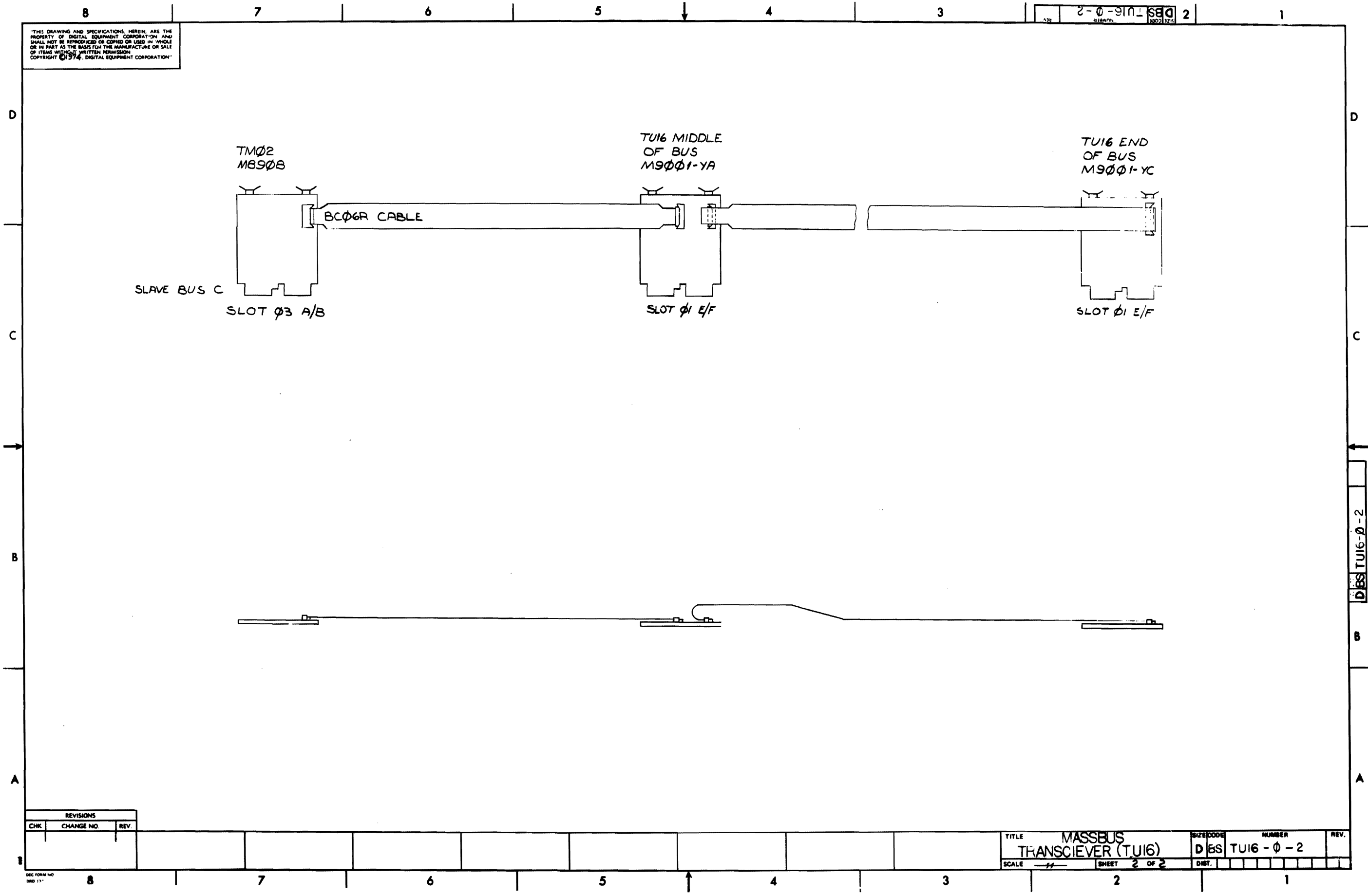


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.
TU16				
DIMENSIONAL TOLERANCE		PARTS LIST		
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		DATE	DATE	DATE
MILLIMETERS		DATE	DATE	DATE
±.10	±.008	±.005	±.005	±.005
±.05	±.005	±.005	±.005	±.005
±.02	±.002	±.005	±.005	±.005
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK EDGES CORNER SURFACE QUALITY	NEXT HIGHER ASBY.		
MATERIAL	B-DD-TU16-Φ	MESSAGE	NUMBER	REV.
FINISH		D BS	TU16-Φ-2	
SCALE	1 OF 2	DIST.		
SHEET				

D BS TU16-Φ-2

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2-0-0101 2



D BS TUI6-Ø-2

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	MASSEBUS TRANSCIEVER (TUI6)	SIZE CODE	D BS	NUMBER	TUI6-Ø-2	REV.	
SCALE	1:1	SHEET	2	OF	2	DIST.	

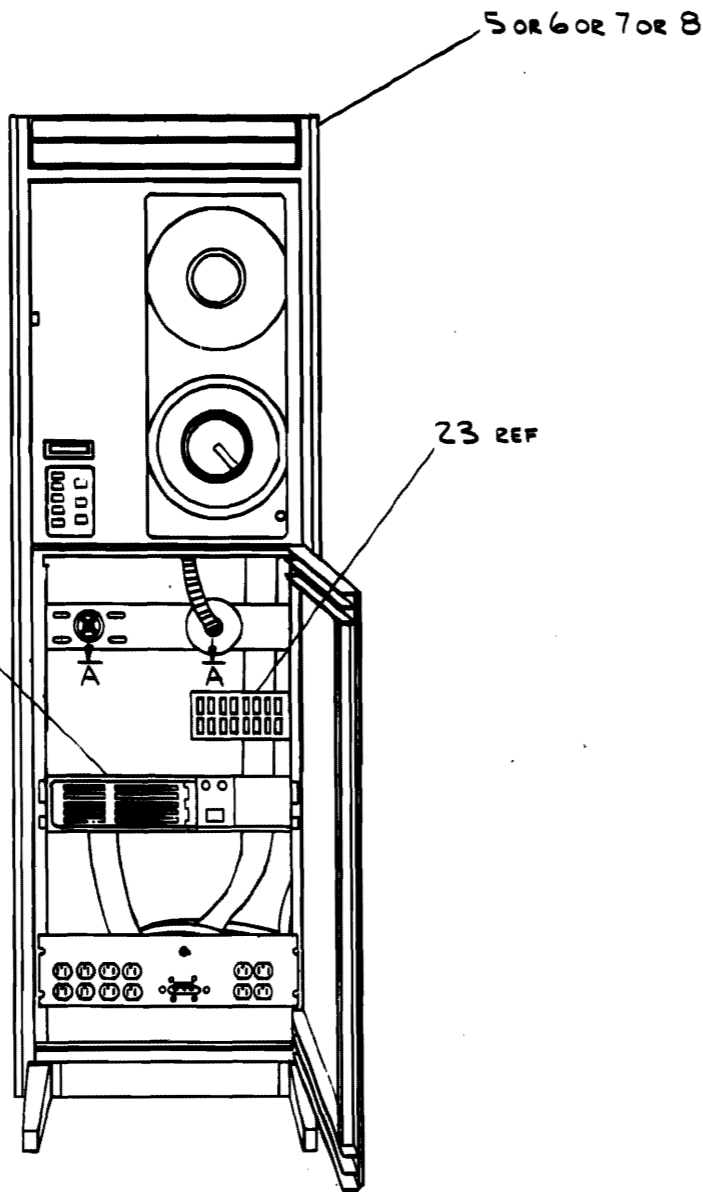
DEC FORM NO. 080 117

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NUMBER	VARIATION		VOLTAGE
	DESCRIPTION		
TE16-EA	TE16-EE	E TM02-FA	115V, 60HZ
TE16-EB	TE16-EF	E TM02-FB	230V, 60HZ
TE16-EC	TE16-EH	E TM02-FA	115V, 50HZ
TE16-ED	TE16-EJ	E TM02-FB	230V, 50HZ
TE16-EK	TE16-EK	E TM02-FC	115V, 60HZ
TE16-EL	TE16-EL	E TM02-FD	230V, 60HZ
TE16-EM	TE16-EH	E TM02-FC	115V, 50HZ
TE16-EN	TE16-EJ	E TM02-FD	230V, 50HZ
TE16-AA	TE16-AE	E TM02-FA	115V, 60HZ
TE16-AB	TE16-AF	E TM02-FB	230V, 60HZ
TE16-AC	TE16-AH	E TM02-FA	115V, 50HZ
TE16-AD	TE16-AJ	E TM02-FB	230V, 50HZ

**NOTES:**

1. INFORMATION FOR CONNECTING THE CABLES TO THE TAPE TRANSPORT - REFER TO D-MU16-Φ-MU.
2. USE BLACK TUBING (ITEM #20) TO COVER 36.00 GND STRAP. USE TWO TIE WRAPS (ITEM #19) TO SECURE TUBING TO STRAP.
3. GND STRAP, JUMPER FROM TM02 LOGIC BOX TO BE CONNECTED TO PWR SUPPLY TRANS-CAP ASSY.
4. FOR MTG INFO SEE DWT 4.



FRONT VIEW

REV.	CHANGE NO.	DATE
1	1	11/11/57
2	1	11/11/57
3	1	11/11/57
4	1	11/11/57
5	1	11/11/57
6	1	11/11/57
7	1	11/11/57
8	1	11/11/57

OFF SHEET PARTS LIST REFER TO C-PL-TE16-0-0

DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
CLASS OF ACCURACY	AS SHOWN	
SURFACE QUALITY	CHECK ONLY	
QUANTITY & VARIATION		
THIRD ANGLE PROJECTION		
REMOVE BURRS AND BREAK SHARP CORNERS		
DO NOT SCALE DWG		
MATERIAL	B-DD-TE16-0	
FINISH		

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL B-DD-TE16-0

FINISH

DRN. [Signature]

CHK'D. [Signature]

ENG. [Signature]

PROJ. ENG. [Signature]

PROD. [Signature]

NEXT HIGHER ASSY.

FIRST USED ON TE16

TITLE MAG TAPE DRIVE (TE16)

SIZE CODE D UA

NUMBER TE16-0-0

REV. 1

SHEET 1 OF 4

DIST.

0-0-91 MID 2

3

4

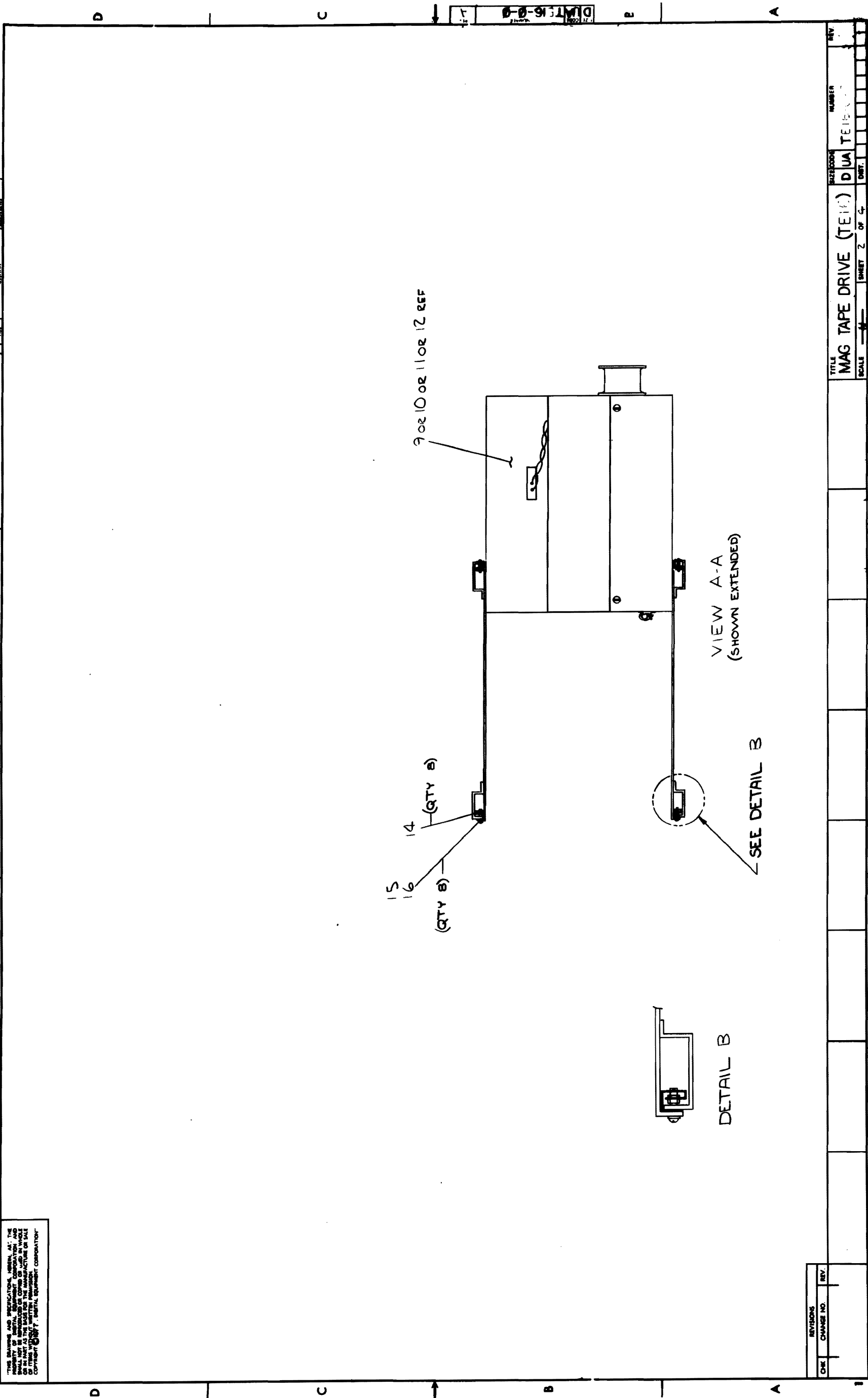
5

6

7

8

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DRAWING NO. 0-0-91 MID 2

REVISIONS	
CHK	REV.

TITLE: MAG TAPE DRIVE (TE110)

SCALE: 1/4" = 1"

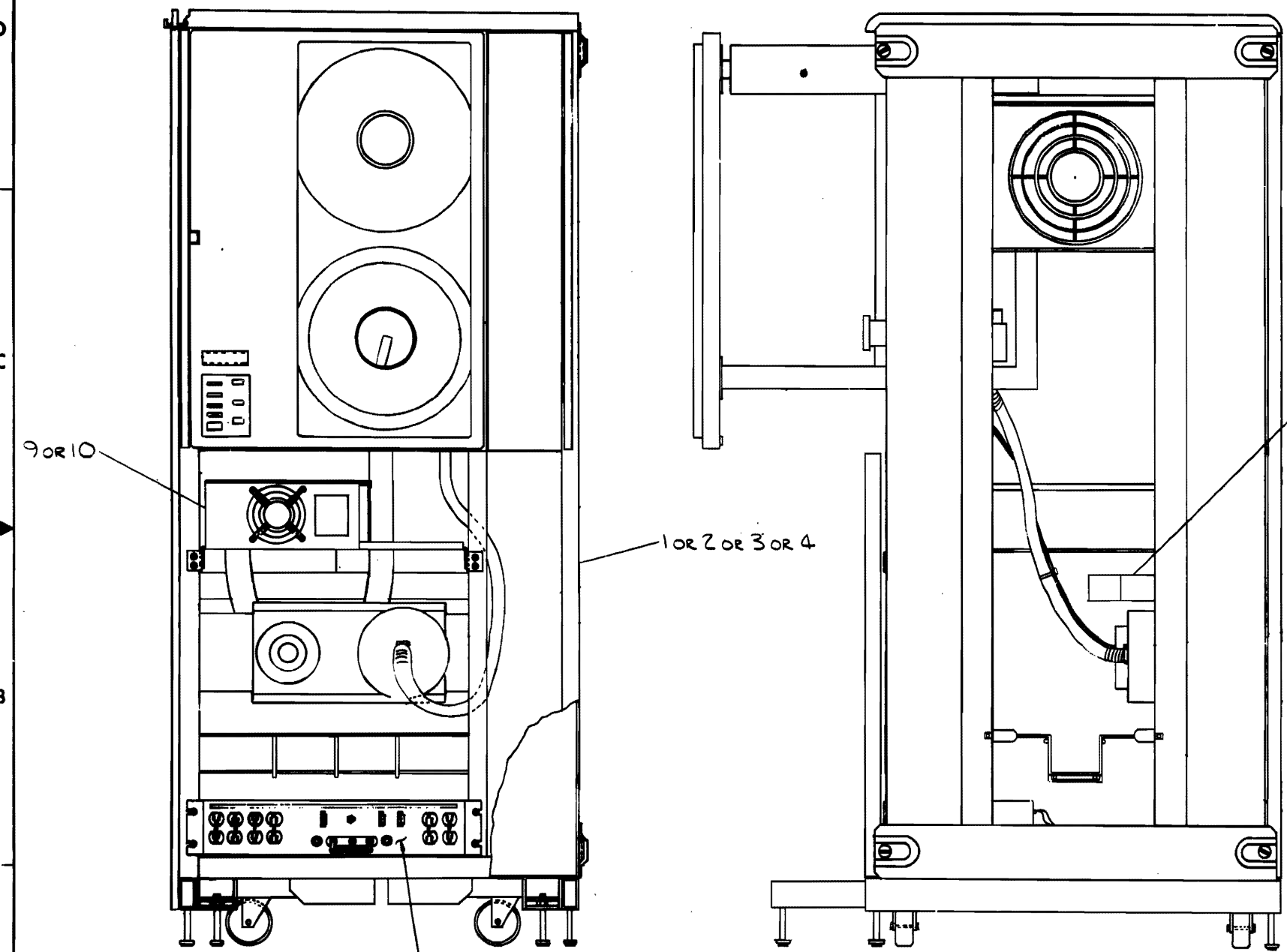
SHEET 2 OF 4

REV. NUMBER: 1

0-0-91 MID 2

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**NOTES:**  
1. FOR INFORMATION ON SLAVE UNITS TE16-AE, TE16-AF, TE16-AH & TE16-AJ SEE D-UA-TE16-A-0 AND C-PL-TE16-A-0.



**LOCATION OF TINNEMAN NUTS (ITEM #14)**

LOCATE ALL NUTS BY COUNTING HOLES UP FROM BOTTOM OF CABINET UPRIGHT

FRONT HOLE NUMBERS	REAR HOLE NUMBERS
RIGHT SIDE: 31, 32*	RIGHT SIDE: 25*
	26, 31, 32*
LEFT SIDE: 31, 32*	LEFT SIDE: 25*
	26, 31, 32*

\* USED WHEN INSTALLING TM02 AND H740-DA (REF ONLY)

**CAUTION**  
THIS SHEET IS FOR THE TE16 IN THE H9500 SERIES CAB

QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES OF 20	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE BINS	
SURFACE QUALITY IN	MEDIUM	0.001	0.002
	PREFERRED	0.015	0.016
		0.030	0.031
		0.045	0.046
		0.060	0.061
		0.075	0.076
		0.090	0.091
		0.105	0.106
		0.120	0.121
		0.135	0.136
		0.150	0.151
		0.165	0.166
		0.180	0.181
		0.195	0.196
		0.210	0.211
		0.225	0.226
		0.240	0.241
		0.255	0.256
		0.270	0.271
		0.285	0.286
		0.300	0.301
		0.315	0.316
		0.330	0.331
		0.345	0.346
		0.360	0.361
		0.375	0.376
		0.390	0.391
		0.405	0.406
		0.420	0.421
		0.435	0.436
		0.450	0.451
		0.465	0.466
		0.480	0.481
		0.495	0.496
		0.510	0.511
		0.525	0.526
		0.540	0.541
		0.555	0.556
		0.570	0.571
		0.585	0.586
		0.600	0.601
		0.615	0.616
		0.630	0.631
		0.645	0.646
		0.660	0.661
		0.675	0.676
		0.690	0.691
		0.705	0.706
		0.720	0.721
		0.735	0.736
		0.750	0.751
		0.765	0.766
		0.780	0.781
		0.795	0.796
		0.810	0.811
		0.825	0.826
		0.840	0.841
		0.855	0.856
		0.870	0.871
		0.885	0.886
		0.900	0.901
		0.915	0.916
		0.930	0.931
		0.945	0.946
		0.960	0.961
		0.975	0.976
		0.990	0.991
		1.005	1.006
		1.020	1.021
		1.035	1.036
		1.050	1.051
		1.065	1.066
		1.080	1.081
		1.095	1.096
		1.110	1.111
		1.125	1.126
		1.140	1.141
		1.155	1.156
		1.170	1.171
		1.185	1.186
		1.200	1.201
		1.215	1.216
		1.230	1.231
		1.245	1.246
		1.260	1.261
		1.275	1.276
		1.290	1.291
		1.305	1.306
		1.320	1.321
		1.335	1.336
		1.350	1.351
		1.365	1.366
		1.380	1.381
		1.395	1.396
		1.410	1.411
		1.425	1.426
		1.440	1.441
		1.455	1.456
		1.470	1.471
		1.485	1.486
		1.500	1.501
		1.515	1.516
		1.530	1.531
		1.545	1.546
		1.560	1.561
		1.575	1.576
		1.590	1.591
		1.605	1.606
		1.620	1.621
		1.635	1.636
		1.650	1.651
		1.665	1.666
		1.680	1.681
		1.695	1.696
		1.710	1.711
		1.725	1.726
		1.740	1.741
		1.755	1.756
		1.770	1.771
		1.785	1.786
		1.800	1.801
		1.815	1.816
		1.830	1.831
		1.845	1.846
		1.860	1.861
		1.875	1.876
		1.890	1.891
		1.905	1.906
		1.920	1.921
		1.935	1.936
		1.950	1.951
		1.965	1.966
		1.980	1.981
		1.995	1.996
		2.010	2.011
		2.025	2.026
		2.040	2.041
		2.055	2.056
		2.070	2.071
		2.085	2.086
		2.100	2.101
		2.115	2.116
		2.130	2.131
		2.145	2.146
		2.160	2.161
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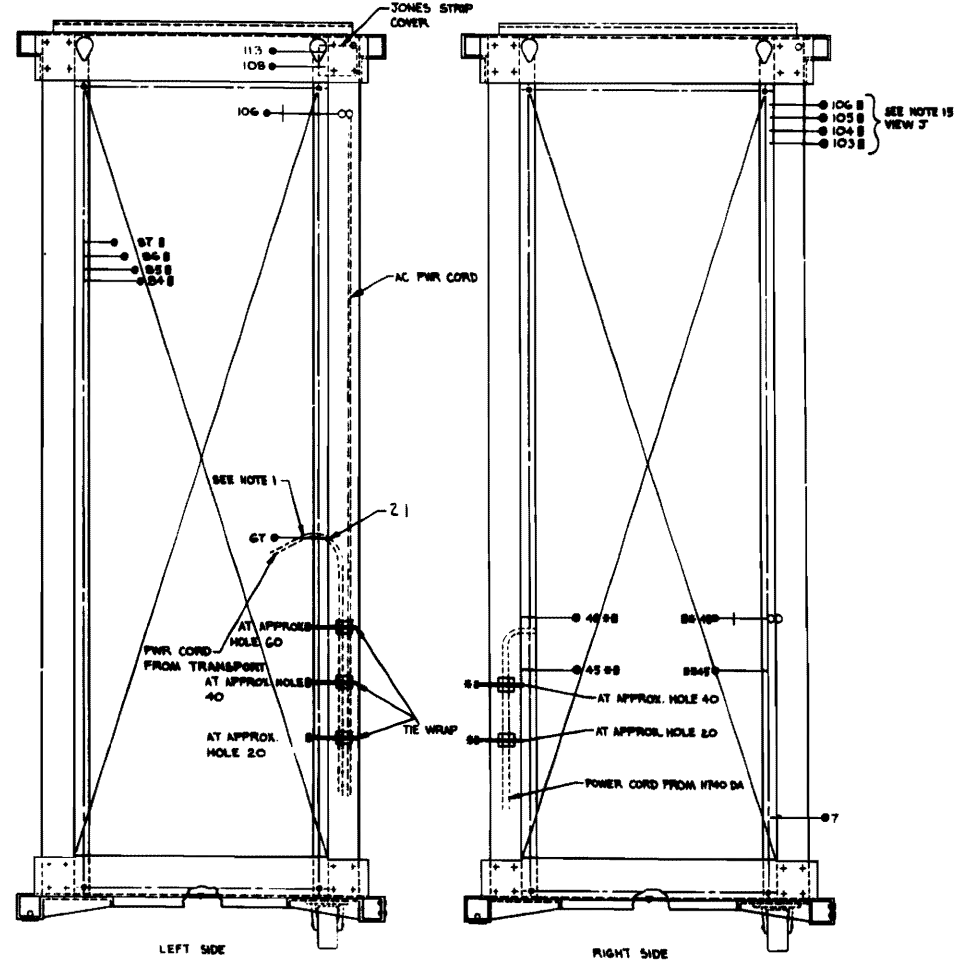
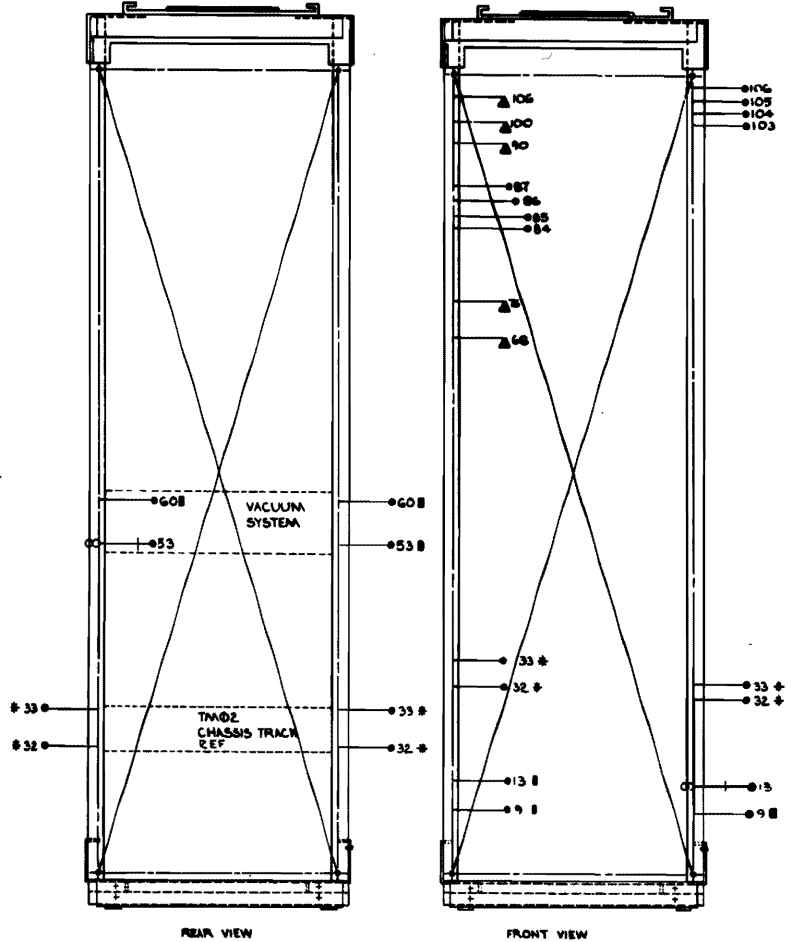
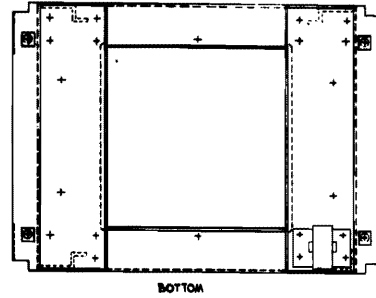
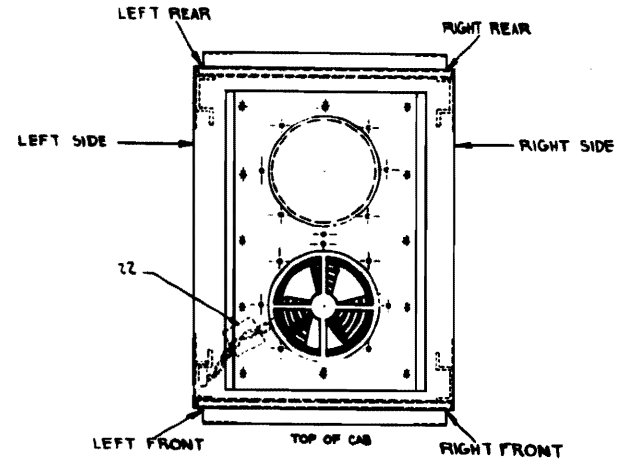
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HARDWARE AID PRINT

0-3-9131

NOTES:

1. USE .375 CLAMP (ITEM 21) FOR POWER CORD. FROM TRANSPORT USE FLAT WASHER.
2. USE .625 CLAMP FOR 861 POWER CORD, USE FLAT WASHER. THIS SIGN INDICATES WHERE TINNERMAN CLIP SHOULD BE COUNTING FROM BOTTOM OF CAB.
- INDICATES USE OF SCREW & KEP-NUT FOR GROUNDING PURPOSES.
- ▲ INDICATES CABLE TIE MOUNT 907867 FOR TIE WRAP.
- \* THIS SIGN INDICATES USED ONLY WHEN INSTALLING A TAPE.
- USE FLAT WASHER #10.
- USE KEP-NUT #10.



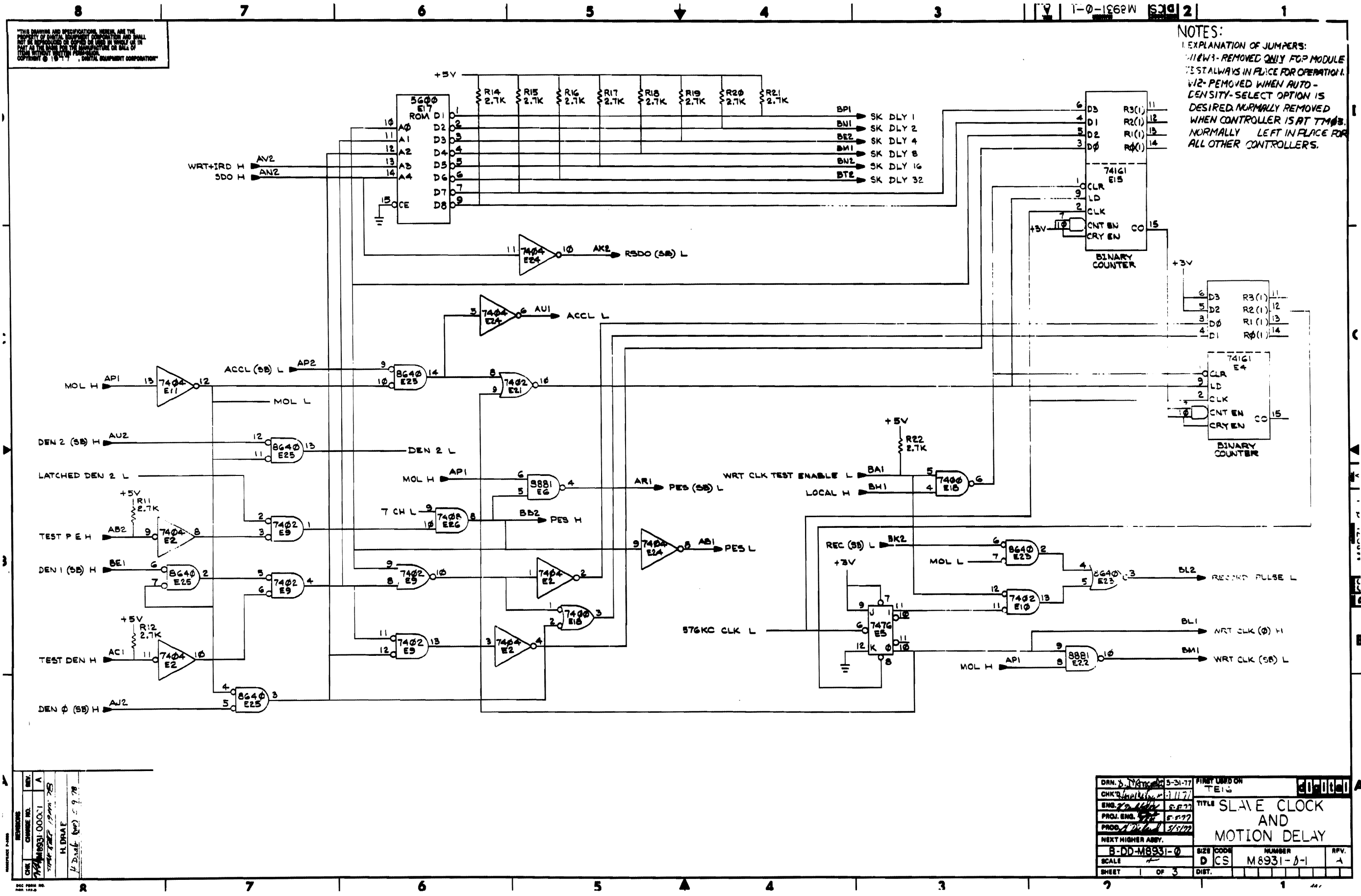
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
MAG TAPE DRIVE (TE16)	DUA	TE16-Q Q	
SCALE	SHEET	OF	
	4		

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NOTES:

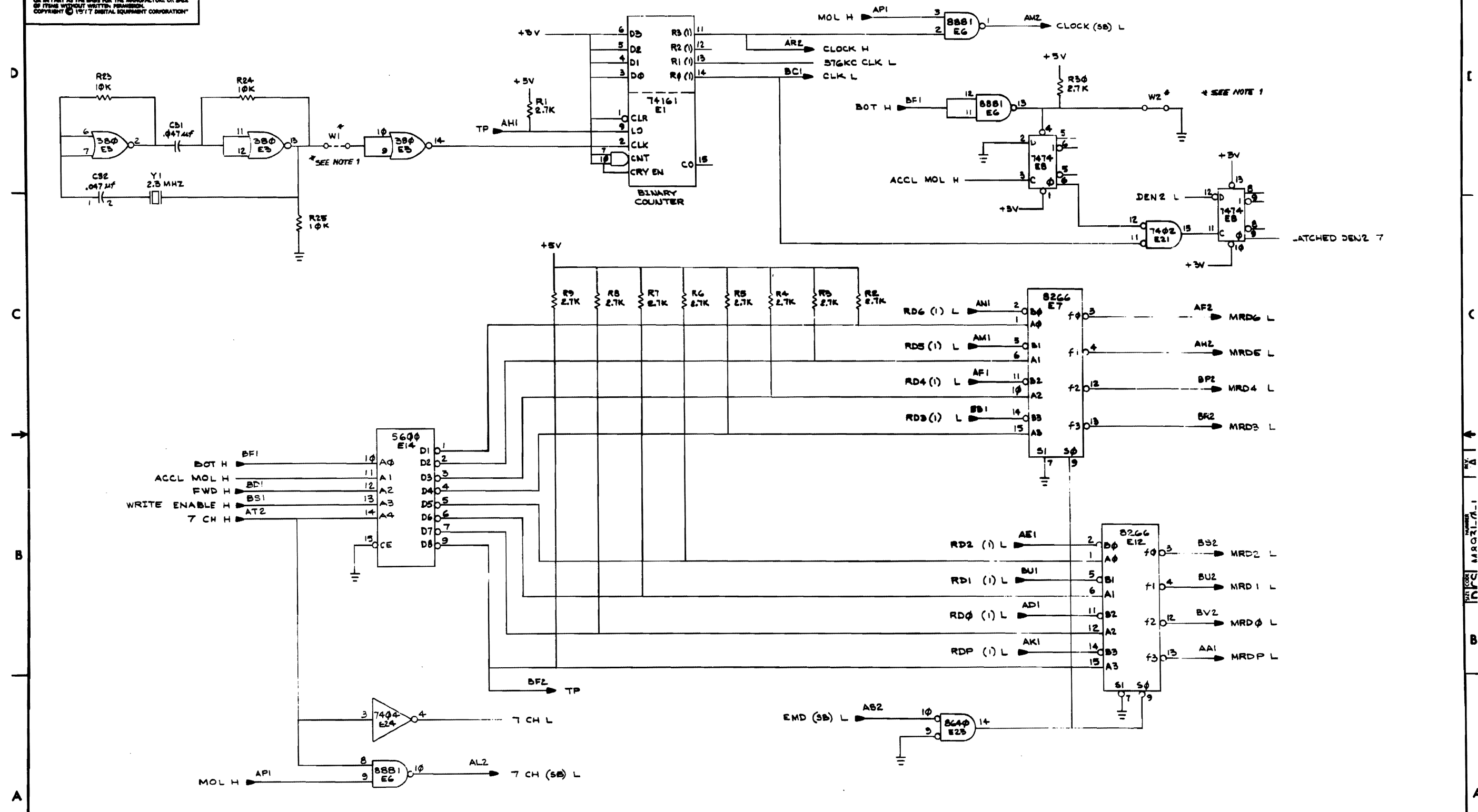
1. EXPLANATION OF JUMPERS:  
 J11&J13 - REMOVED ONLY FOR MODULE TEST ALWAYS IN PLACE FOR OPERATION.  
 J12 - REMOVED WHEN AUTO-DENSITY-SELECT OPTION IS DESIRED. NORMALLY REMOVED WHEN CONTROLLER IS AT T1408. NORMALLY LEFT IN PLACE FOR ALL OTHER CONTROLLERS.



REV.	A
CHK.	10/11/77
DESIGNER	H. DRAPE
DATE	5-9-77

DRN. NO.	5-31-77	FIRST DESIGN	TE 16
CHK'D	11/17/77		
ENG. NO.	5-577	TITLE	SLAVE CLOCK AND MOTION DELAY
PROJ. ENG.	5-577		
PROD. DATE	5/5/77		
NEXT HIGHER ABBY.			
B-00-M8931-0	SIZE CODE	NUMBER	REV.
SCALE	D CS	M 8931-0-1	1
SHEET	OF 3	DIST.	

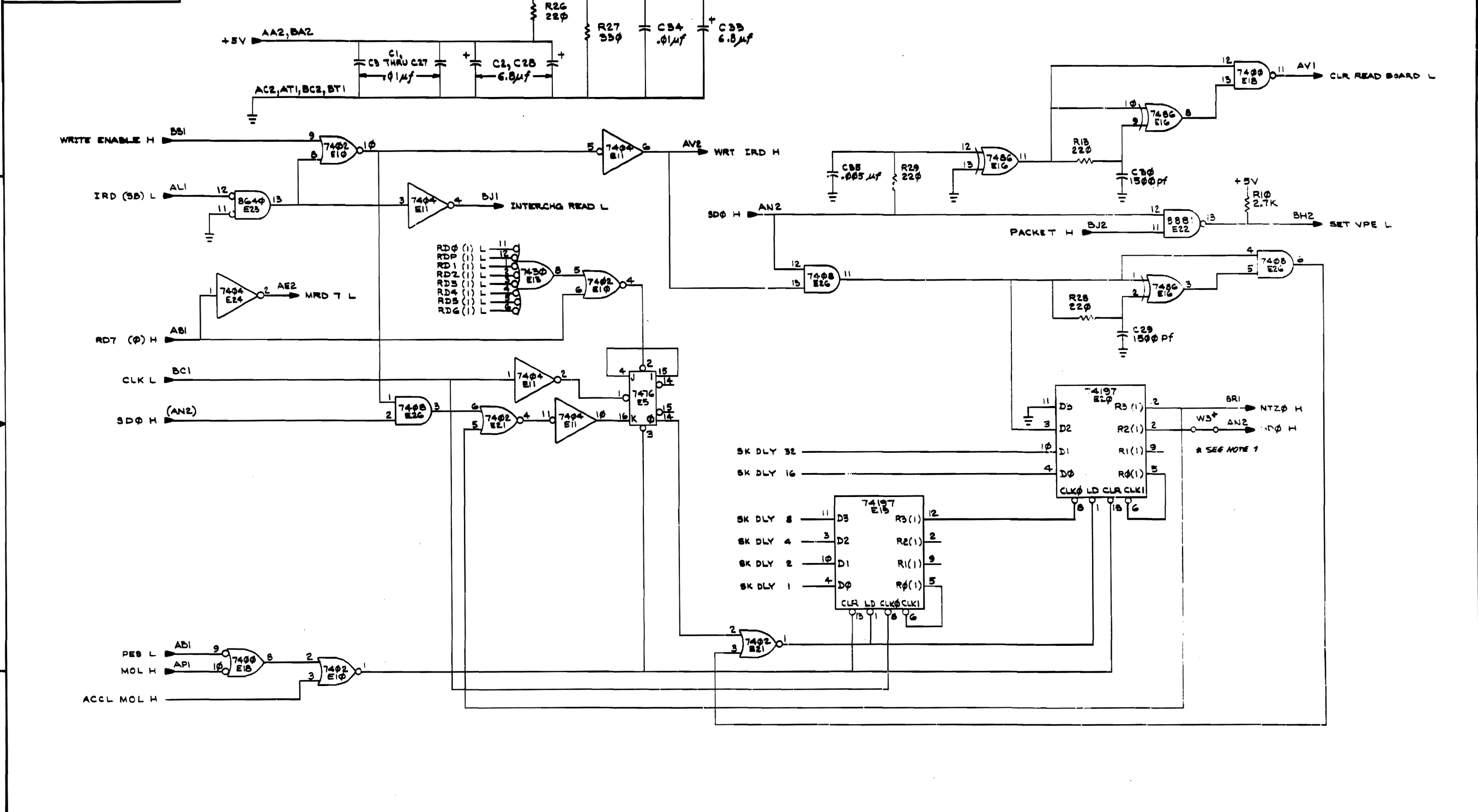
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REVISIONS		
CHK	CHANGE NO.	REV.

1-0-1258W | SJU 2

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REVISIONS		
CHK	CHANGE NO.	REV.



