

FIELD MAINTENANCE PRINT SET

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TE16

**Field Maintenance
Print Set**

Digital Equipment Corporation
PRINT SET ORDER NO.
MP00333

E-01124-16-N676-(327

DRAWING DIRECTORY

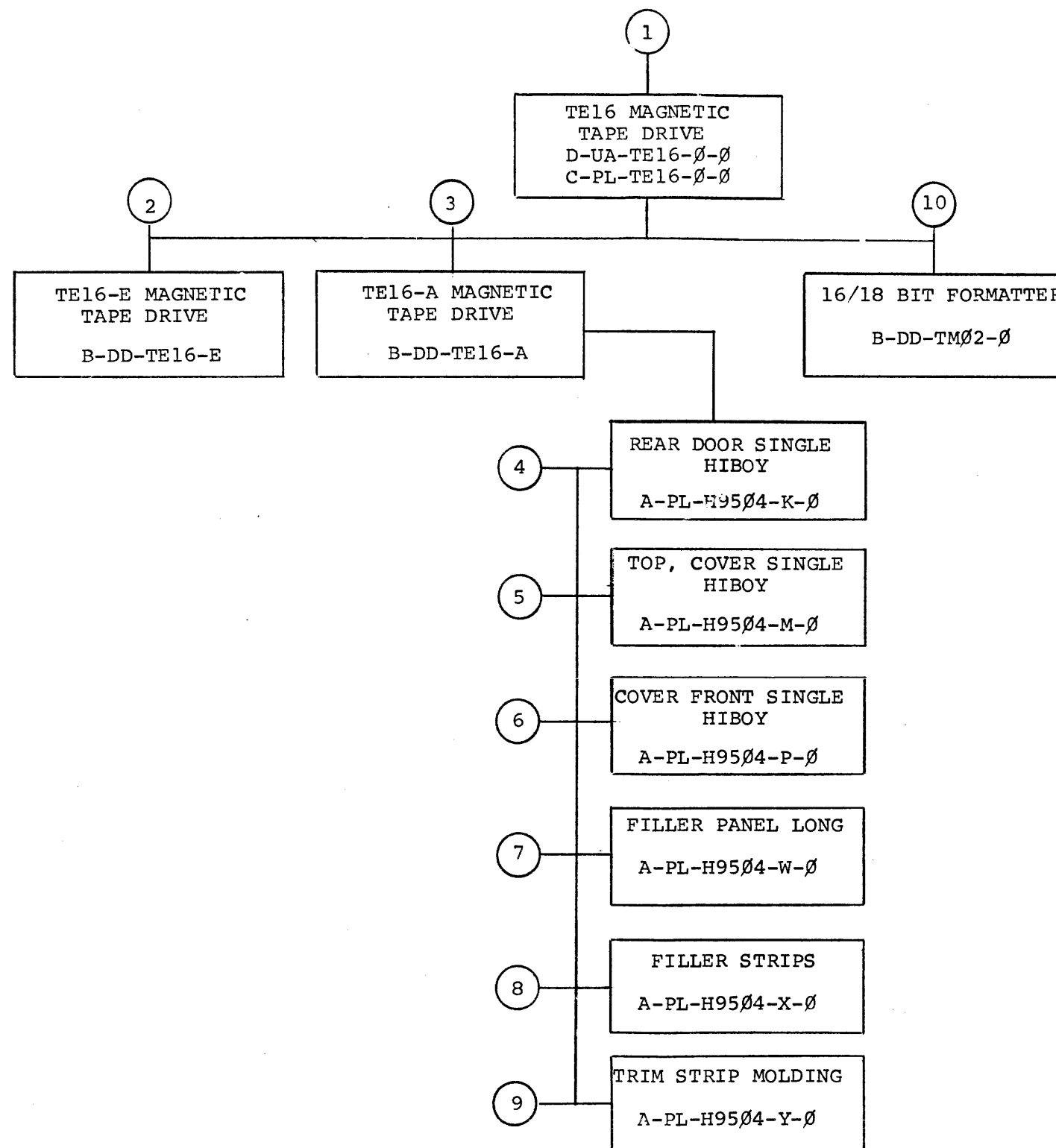
FOR FIELD MAINTENANCE PRINT SET REFER TO MP00333

UNIT VARIATIONS

REVISIONS		CHK	CHANGE NO.	REV.
		CB	ML006	A

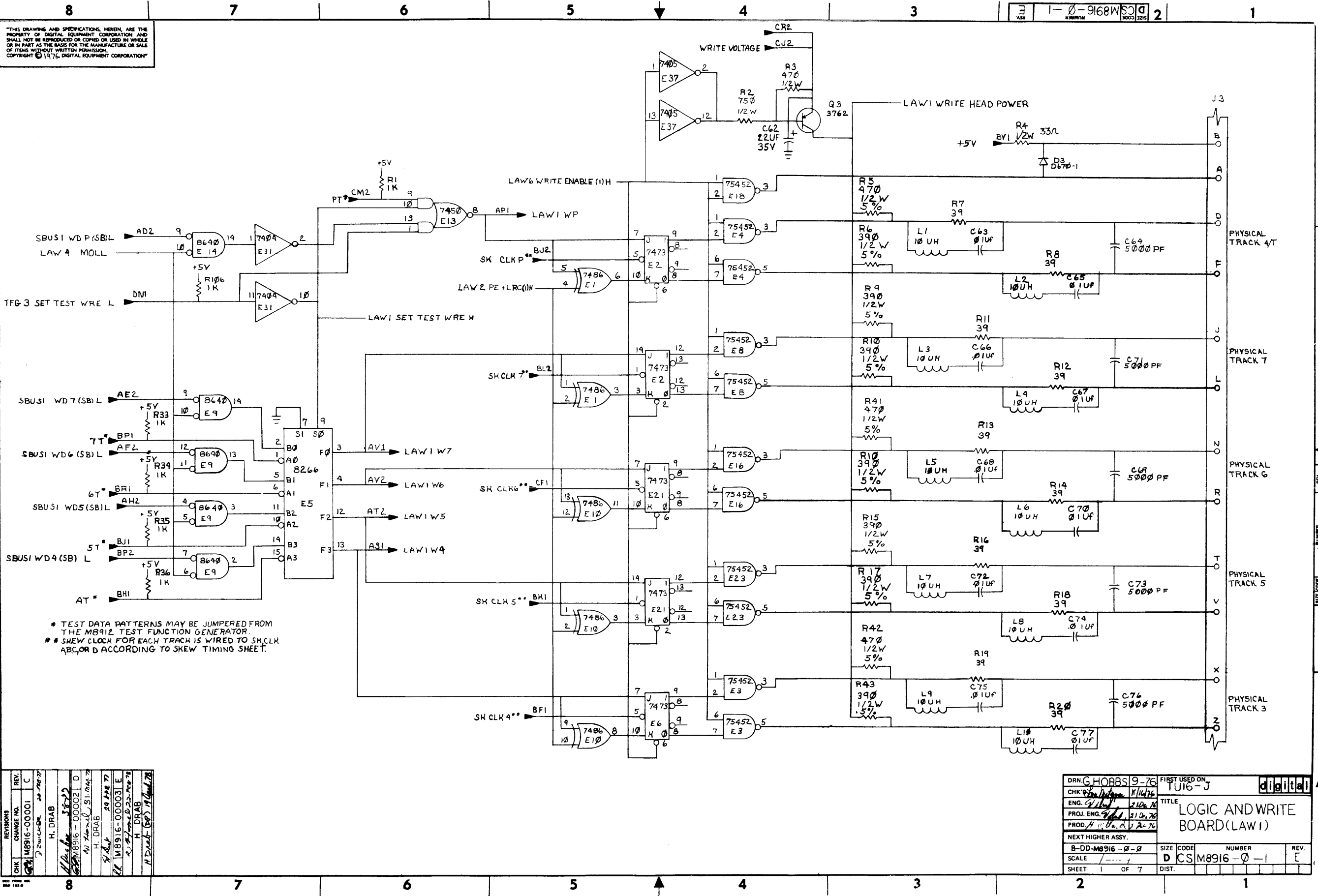
USED ON OPTION/MODEL		DRN.	DATE	TITLE	
TE16		W.M.	17 Feb 77	MAGNETIC TAPE DRIVE	
		CHK'D	DATE	(TE16-0)	
		W.M.	17 Feb 77		
		PROJ. ENG.	DATE	SIZE	CODE
		Gary Hart	17 Feb 77	B	DD
		PROD.	DATE	NUMBER	
		Roger Coguen	17 Feb 77	TE16-0	
SHEET 1 OF 3				REV	
				A	

DRB 106A



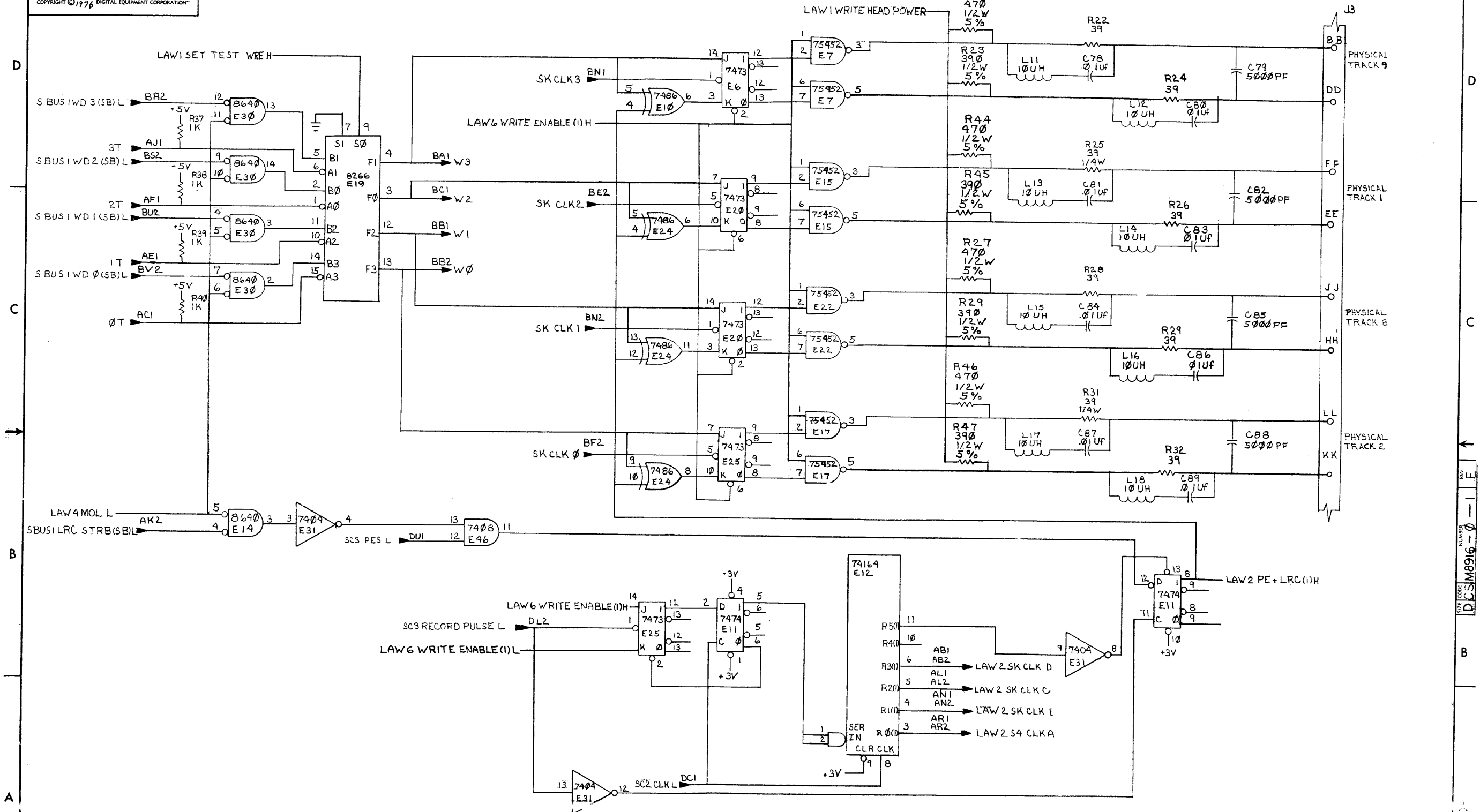
TITLE	SIZE CODE	NUMBER	REV
TE16 MAGNETIC TAPE DRIVE	B DD	TE16-Ø	A

SHEET 2 OF 3



* TEST DATA PATTERNS MAY BE JUMPED FROM THE M8912 TEST FUNCTION GENERATOR.
* SKEW CLOCK FOR EACH TRACK IS WIRED TO SK CLK ABC OR D ACCORDING TO SKEW TIMING SHEET.

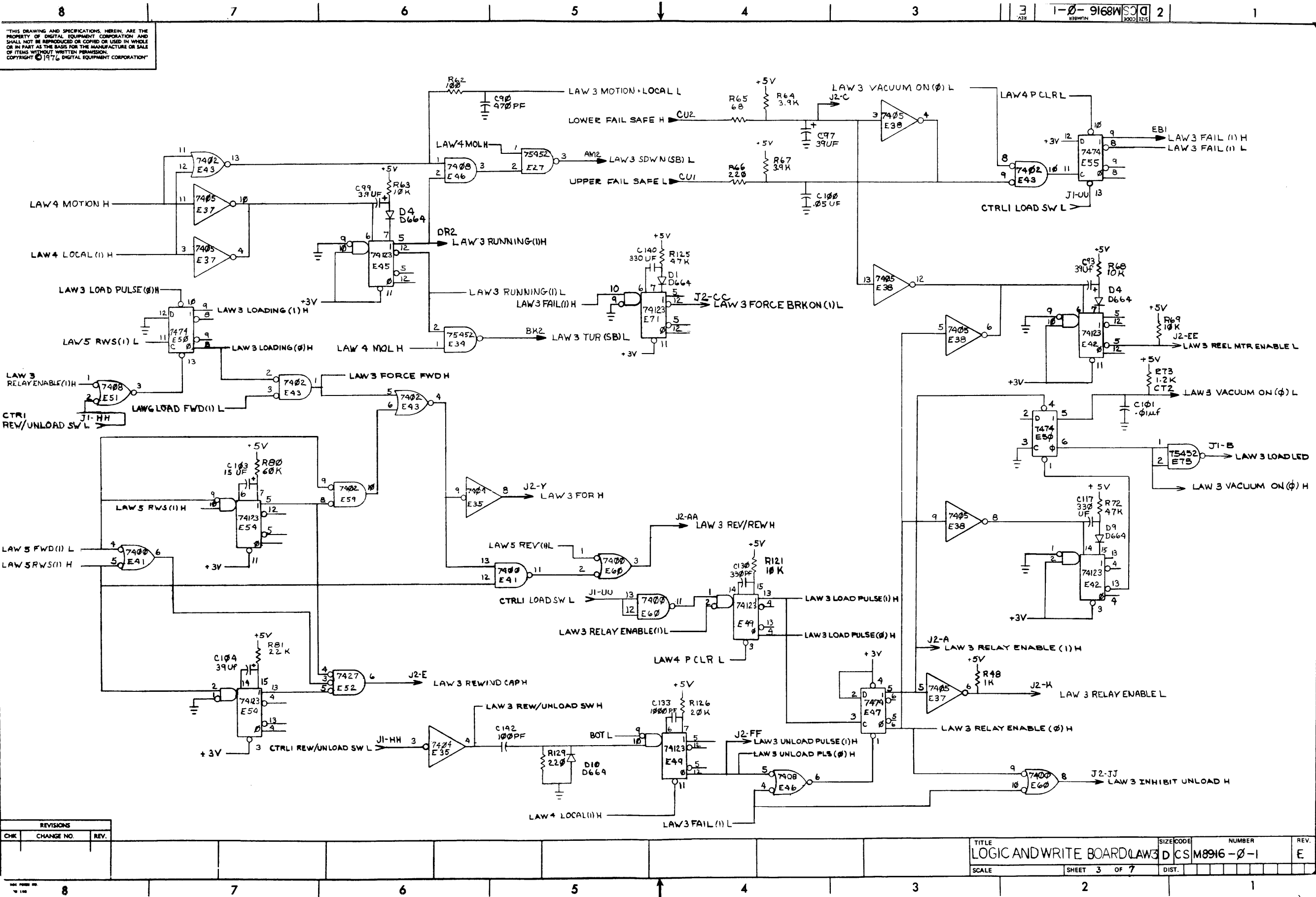
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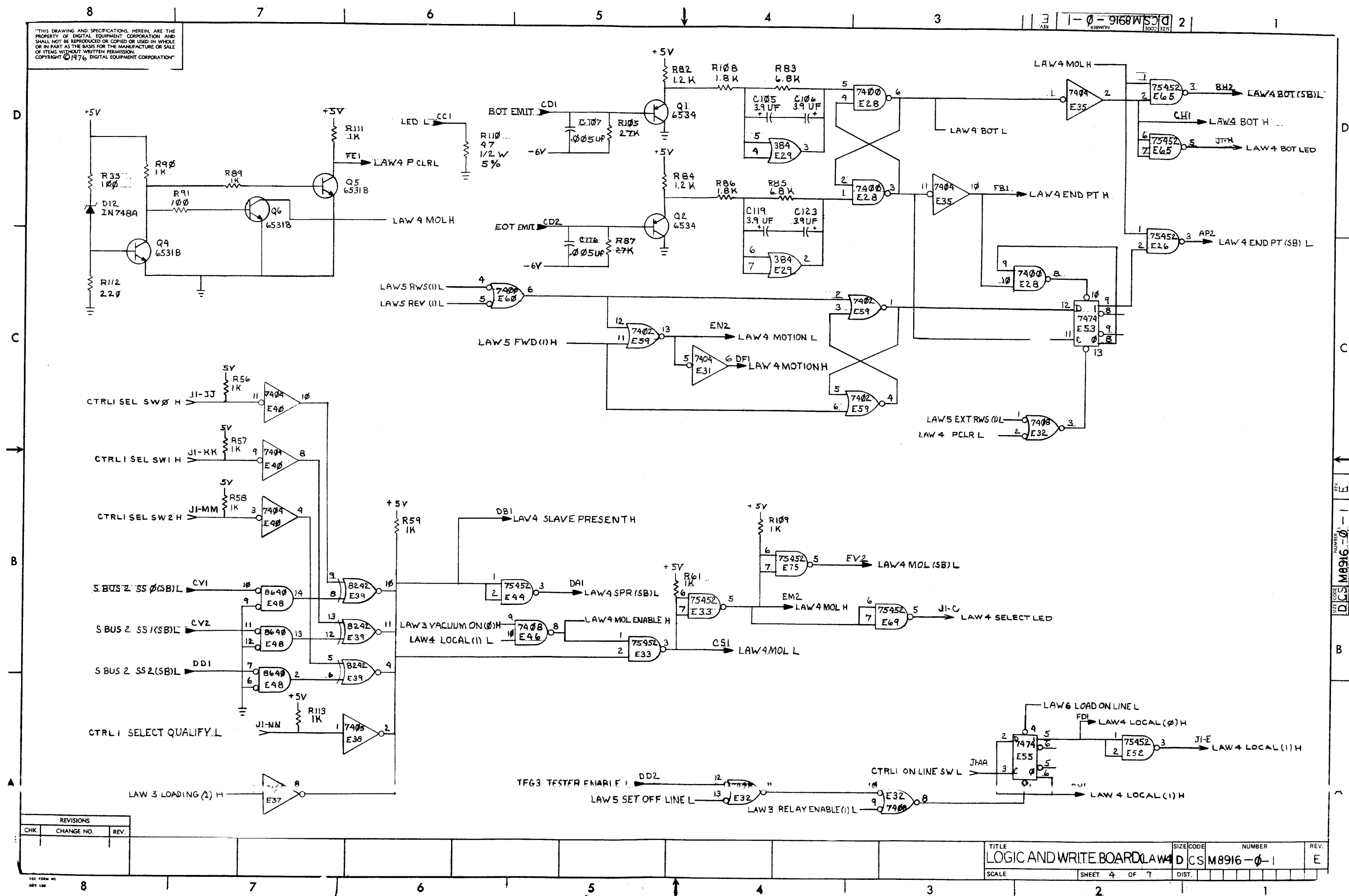
REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 100-100

TITLE		SIZE CODE	NUMBER	REV.
LOGIC AND WRITE BOARD LAW2		D CS	M8916-0-1	E
SCALE		SHEET 2 OF 7	DIST.	

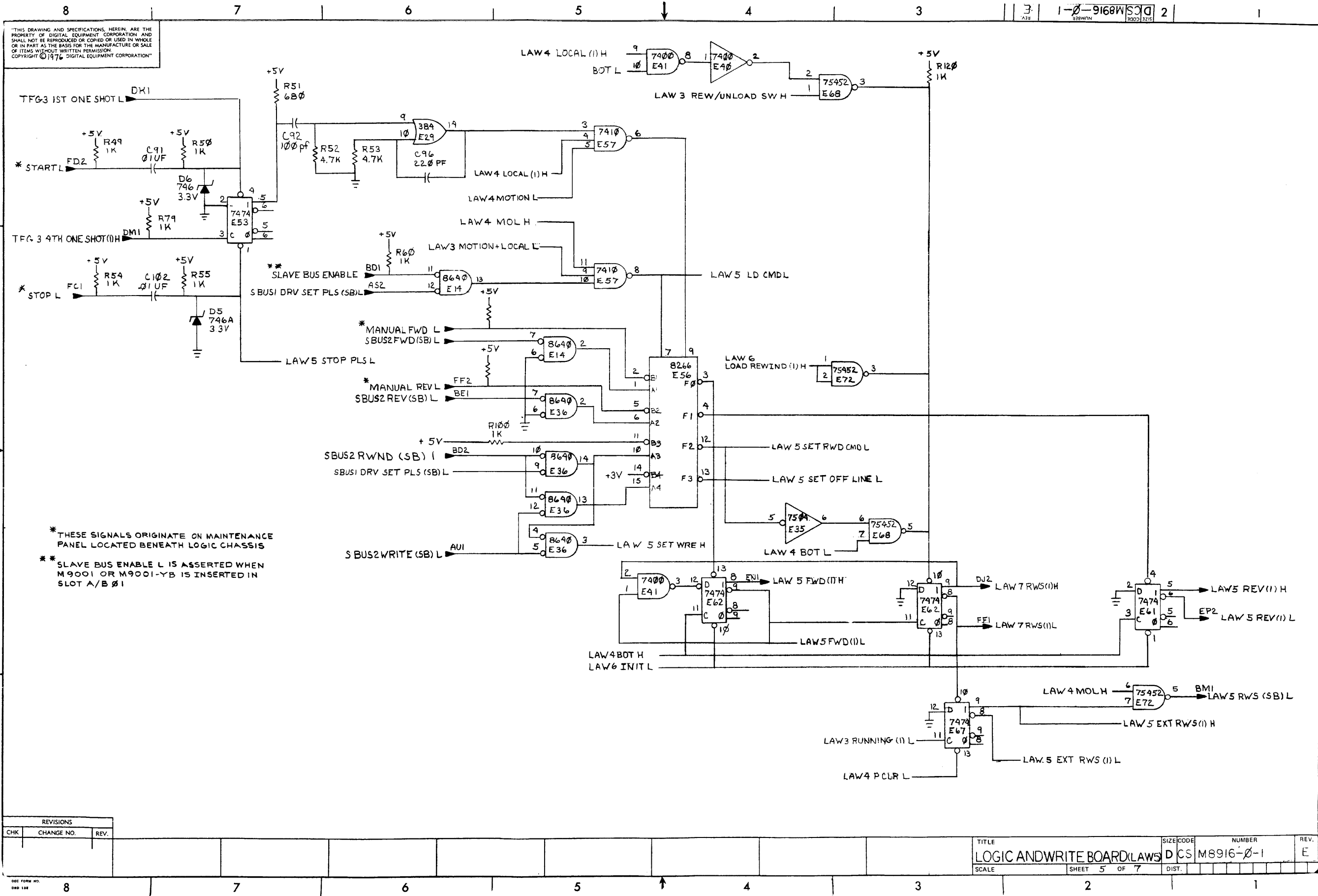


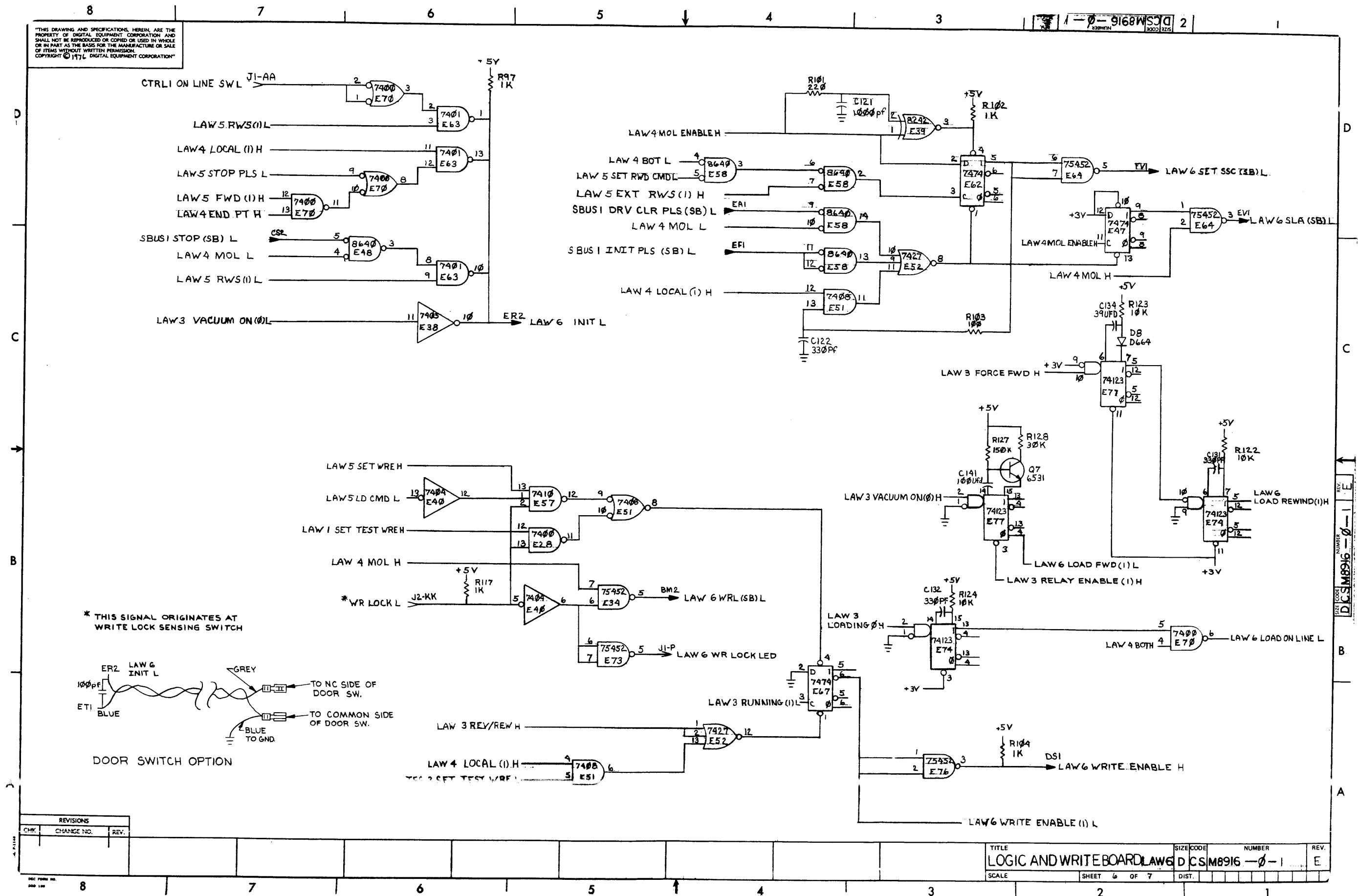
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REVISIONS		
CHK	CHANGE NO.	REV.

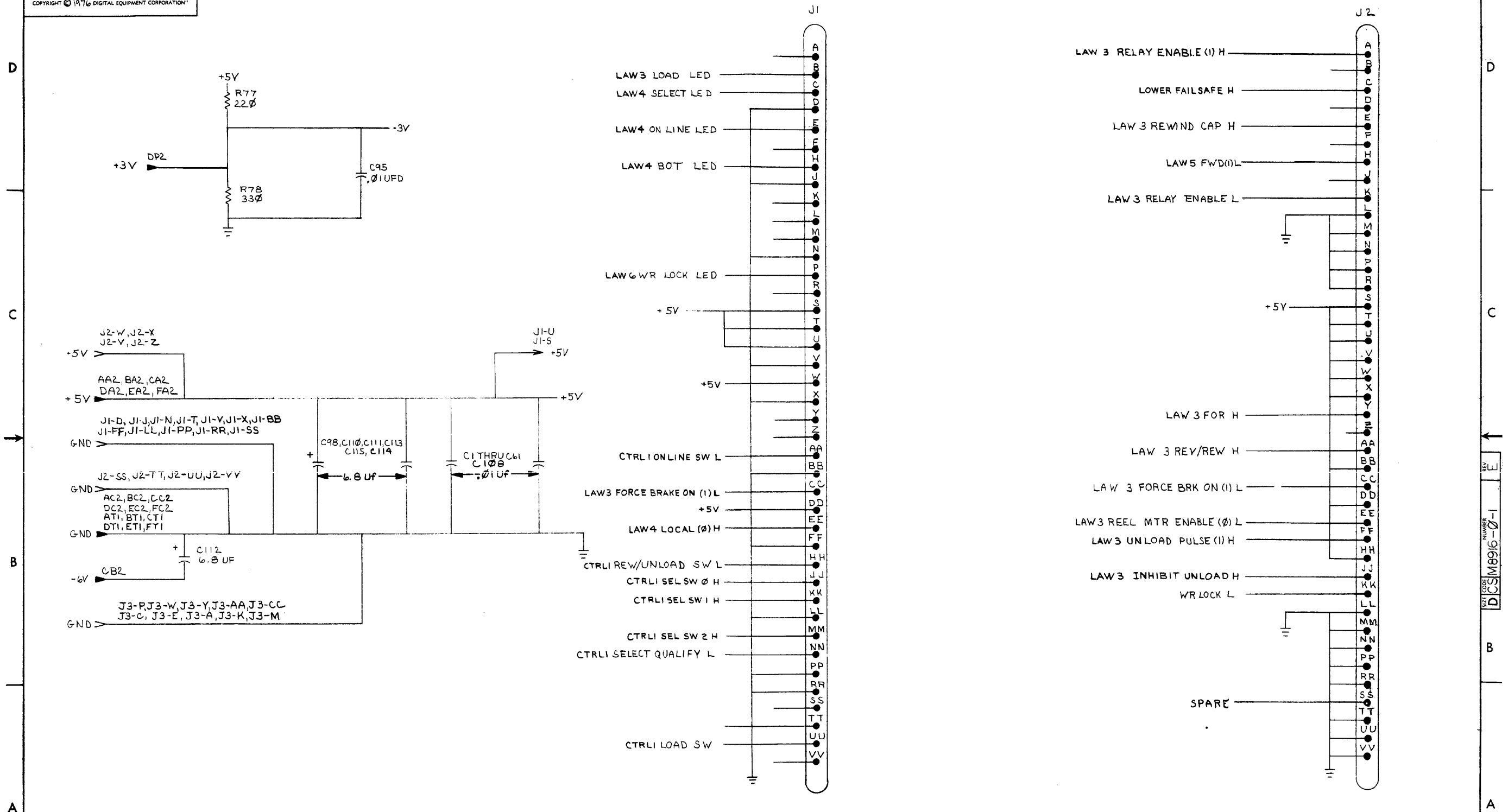
TITLE		SIZE	CODE	NUMBER	REV.
LOGIC AND WRITE BOARD LAW4				DCS M8916-0-1	E
SCALE		SHEET 4 OF 7		DIST.	





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DCS M8916-0-1 2



REV. E
DCS M8916-0-1

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE LOGIC AND WRITE BOARD
SCALE 1/8" = 1"
SHEET 7 OF 7
D C S M8916-0-1
NUMBER
REV. E

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	D-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 5%200PPM DM15S	(10-00)	1 C96
7	7		1000023-00	330.0 MMF 100V 5%200PPM DM15S	(10-00)	4 C122,C130-C132
8	8		1000043-00	1000.0 MMF 250V 20% Y5F DISCS		3 C121,C133,C142
9	9		1000064-00	3.9MFD 10V 10% 150D S.TA	(10-00)	6 C99,C105,C106,C119,C123,C134
10	10		1000076-00	39 MFD 10V 10% 150D S.TA	(10-00)	3 C93,C97,C104
11	11		1004812-00	15 MFD 20V 10% 150D S.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 S.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 S.TA	(10-00)	7 C98,C110-C115
16	16		1001765-00	5000.0 MMF 100V 20% 25U DISCS		11 C64,C69,C71,C73,C76,C79,C82,
17	17		1001610-01	.01 MFD 100V OR 50V Z5U DISC/800PF MIN	CONT	C85,C88,C107,C116
					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 5%200PPM DM15S	(10-00)	1 C90
19	19		1000016-00	100.0 MMF 100V 5%200PPM DM15S	(10-00)	1 C92
20	20		1004815-00	100 MFD 20V 10% 150D S.TA	(10-00)	1 C141
21	21		1100114-00	D 664 QS\75PCB PIV= 25V SP		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 S		2 J1,J12
26	26		1210067-02	EDGE CARD 28PIN BLADE KEY 2		1 J3

REVISION HISTORY			VARIATIONS FOR THIS ASSY.		
CHK	ECO NO	REV	FIRST USED ON: TE16		
D,R	00003	E	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
			MADE BY: H.WEINBRENNER	DATE: 15-MAY-78	TITLE
			CHECKED: P.BOSSMAN	DATE: 15-MAY-78	PARTS LIST
			DSN.ENG.: H.DRAB	DATE: 15-MAY-78	LOGIC AND WRITE BOARD
			PROD.: G.DILLARD	DATE: 15-MAY-78	SIZE:CODE: DOCUMENT NUMBER
			RESP.ENG.: H.DRAB	DATE: 15-MAY-78	K PL M8916-0-DBP
			ASSY.NO.: D-UA-M8916-0-0		
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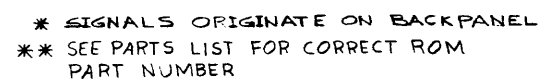
LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
27	27		1300195-00	33 1/2W 5% CC (13-00	1	R4
28	28		1300271-00	220 1/4W 5% CC (13-00	5	R66,R77,R101,R112,R129
29	29		1300295-00	330 1/4W 5% CC (13-00	1	R78
30	30		1300315-00	470 1/2W 5% CC (13-00	10	R3,R5,R9,R15,R21,R27,R41,R42,
					CONT	R44,R46
31	31		1300365-00	1 K 1/4W 5% CC (13-00	35	R1,R33-R40,R48-R50,R54-R61,
					CONT	R79,R89,R90,R97-R100,R102,
					CONT	R104,R106,R109,R111,R113,R117,
					CONT	R120
32	32		1300398-00	1.8 K 1/4W 5% CC (13-00	2	R86,R108
33	33		1300444-00	3.9 K 1/4W 5% CC (13-00	2	R64,R67
34	34		1300447-00	4.7 K 1/4W 5% CC (13-00	2	R52,R53
35	35		1300479-00	10 K 1/4W 5% CC (13-00	6	R63,R68,R121-R124
36	36		1300488-00	12 K 1/4W 5% CC (13-00	1	R69
37	37		1301320-00	1.2 K 1/4W 5% CC (13-00	3	R73,R82,R84
38	38		1301423-00	6.8 K 1/4W 5% CC (13-00	2	R83,R85
39	39		1301424-00	580 1/4W 5% CC (13-00	1	R51
40	40		1302177-00	47 K 1/4W 5% CC (13-00	2	R72,R125
41	41		1302377-00	39 1/4W 5% CC (13-00	18	R7,R8,R11-R14,R16,R18-R20,R22,
					CONT	R24-R26,R28,R30-R32
42	42		1305346-00	27 K 1/4W 5% CC (13-00	2	R87,R105
43	43		1300229-00	100 1/4W 5% CC (13-00	4	R62,R88,R91,R103
44	44		1300354-00	750 1/2W 5% CC (13-00	1	R2
45	45		1302391-00	20 K 1/4W 5% CC (13-00	2	R80,R126
46	46		1301695-00	47 1/2W 5% CC (13-00	1	R110
47	47		1300308-00	390 1/2W 5% CC (13-00	9	R6,R10,R17,R23,R29,R45,R43,
					CONT	R47,R107
48	48		1301808-00	22 K 1/4W 5% CC (13-00	1	R81
49	49		1300219-00	68 1/4W 5% CC (13-00	1	R65
50	50		1302396-00	150 K 1/4W 5% CC (13-00	1	R127
51	51		1302394-00	30 K 1/4W 5% CC (13-00	1	R128
52	52		1503409-01	DEC6534B PNP 310MW SI 40 90 P	2	Q1,Q2
53	53		1509338-00	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 #SWD10	18	L1-L18
56	56		1905547-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ	8	E11,E47,E50,E53,E55,E61,E62,
					CONT	E67
57	57		1905575-00	7400 NAND GATE-QUAD 2IN	4	E28,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 M8916-0-DBP	REV E
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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
68	68		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPUT	3	E1,E10,E24
69	69		1910041-00	DEC 74164 SHIFT REG.,8BIT SERIAL IN/OUT	1	E12
70	70		1910155-00	DEC 7408 AND GATE,POS,QUAD 2IN 14	3	E32,E46,E51
71	71		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	7	E42,E45,E49,E54,E77,E71,E74
72	72		1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E52
73	73		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,UNIBUS,Q-BU	6	E9,E14,E30,E36,E48,E58
74	74		1905580-00	DEC 7450 A-0-I XPNDBLE GATE-DUAL 2X2	1	E13
75	75		1910645-01	75452 DRIVER,PERIPH,DUAL,NAND	22	E3,E4,E7,E8,E15,E16,E17,E18,
					CONT	E22,E23,E26,E27,E33,E34,E64,
					CONT	E65,E68,E69,E72,E73,E75,E76
76	76	SEE NOTE 81	9007201-00	TRANSIPADS #10253	1	
77	77		1210001-00	HEAT SINK - 2201 RED S	1	
78	78		1210711-02	HANDLE ASSY,MOD DOEHLER-JARVIS	1	
79	79		9006732-00	EYELET, ROLLED FLANGE, .121 OD X .219 LG	12	
80	80		9105740-55	WIRE(WRAP)30AWG UL1423 (91-00 A/R		

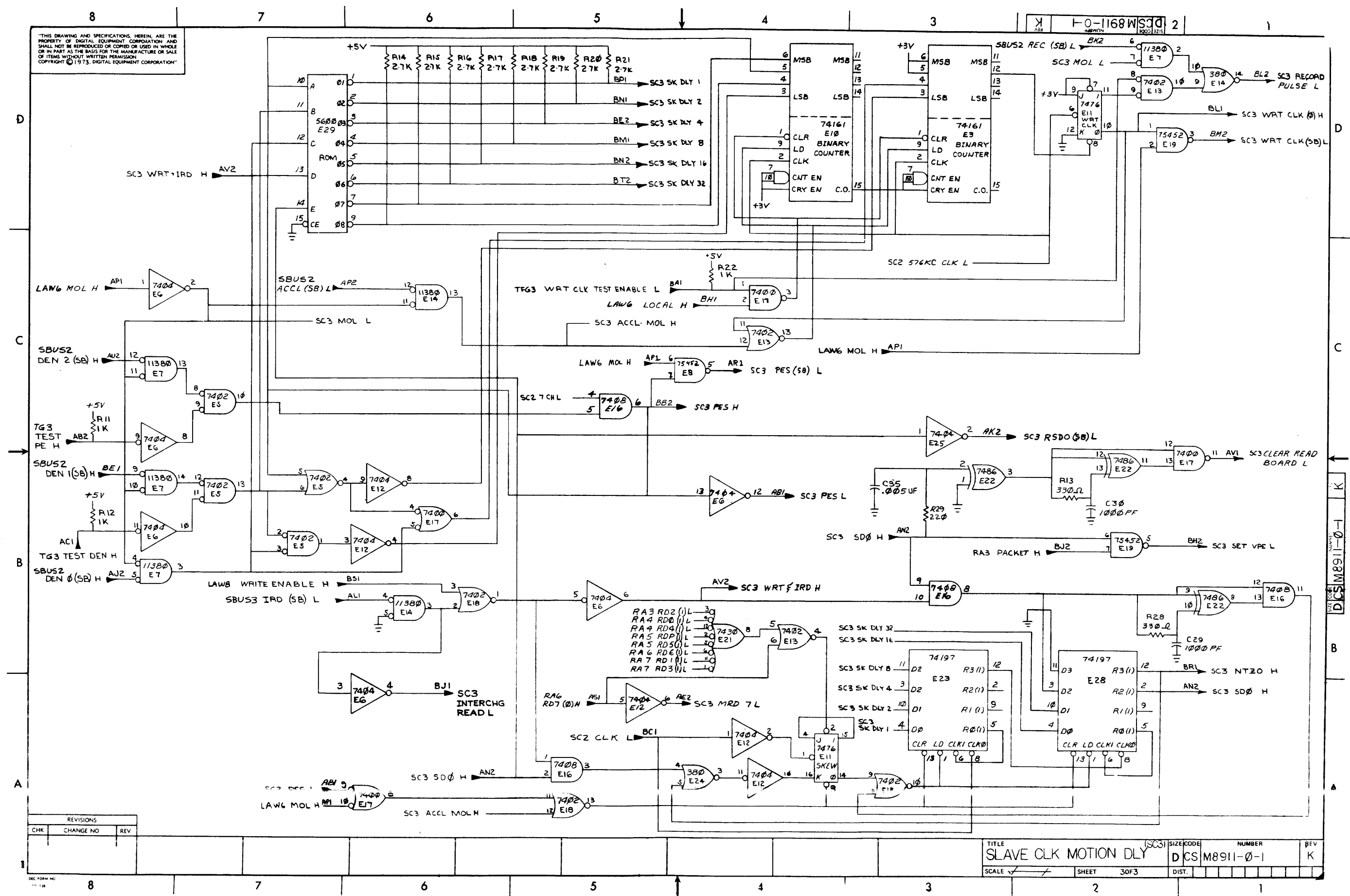
81 NOTE: USE FOR Q3

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE LOGIC AND WRITE BOARD	PARTS LIST	SIZE K	CODE PL	DOCUMENT NUMBER M8916-0-0	REV E
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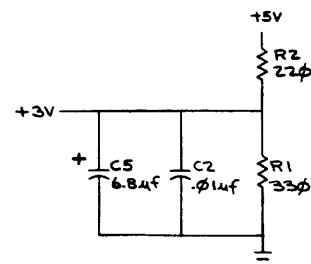
TITLE SLAVE CLK MOTION DLY		(SC2)	SIZE D	CODE CS	NUMBER M8911-0-1				REV. K
SCALE 1/16" = 1"		SHEET 20F3	DIST.						

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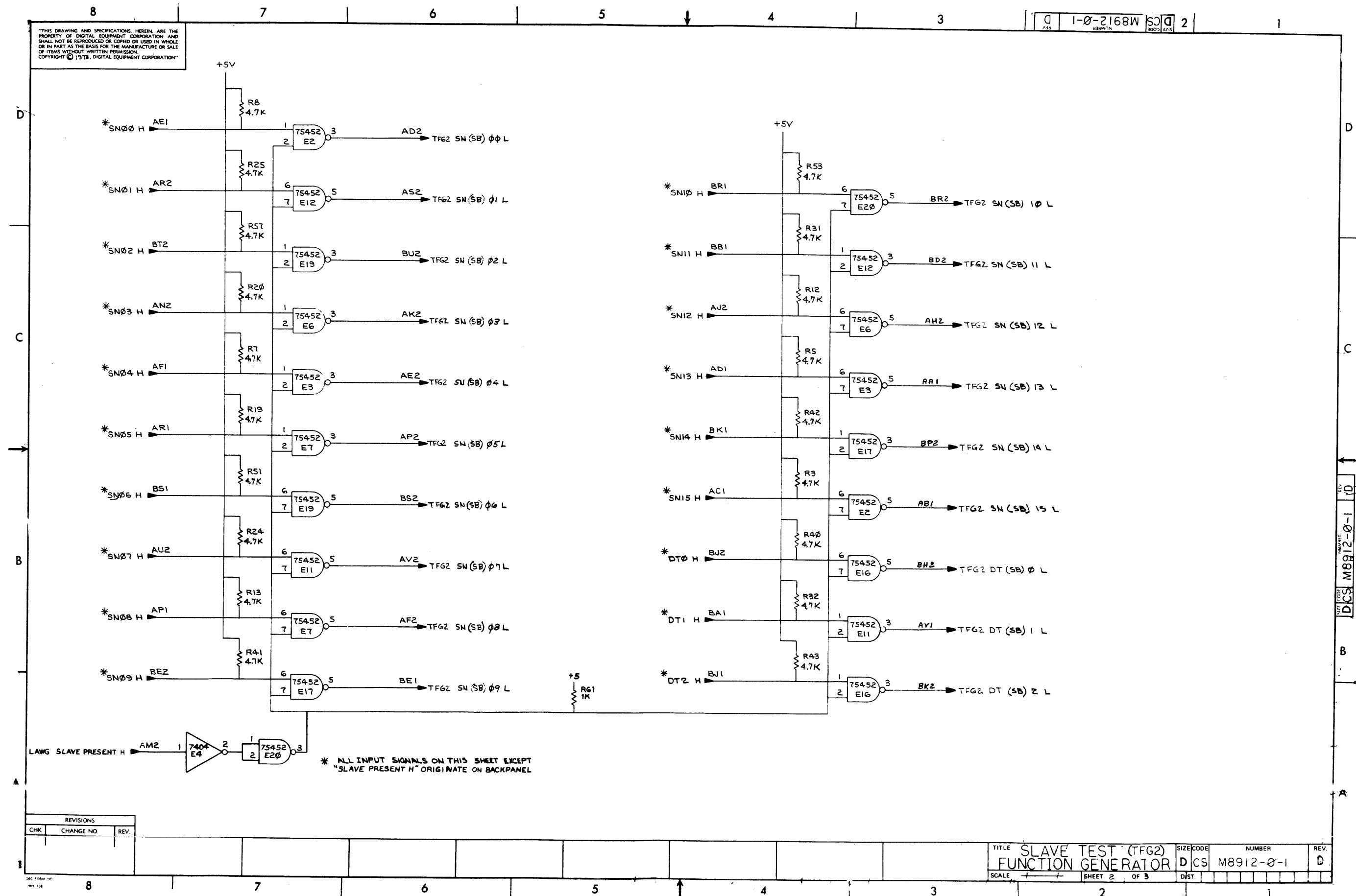
REVISIONS		
CHK	CHANGE NO	REV

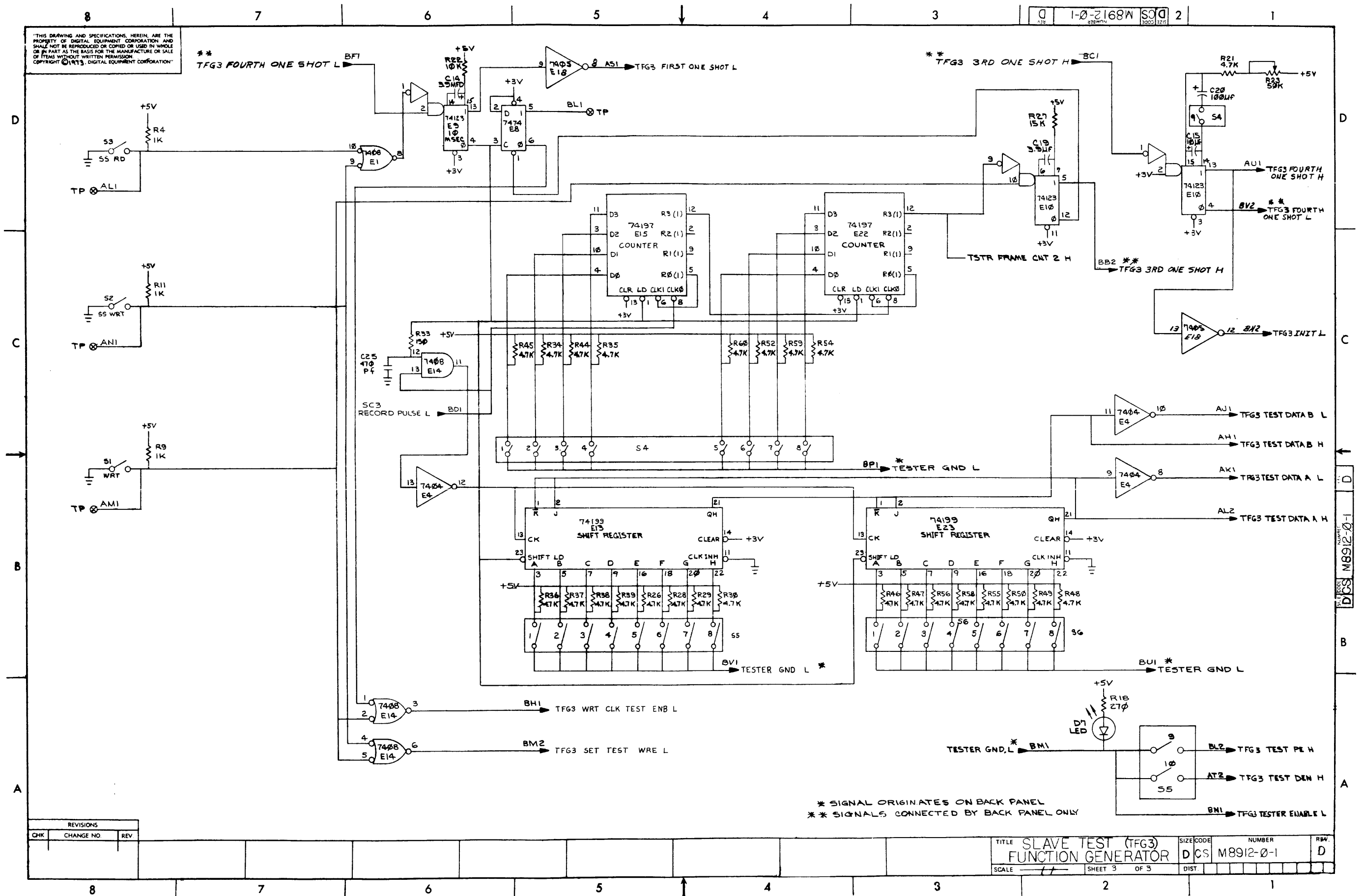
DASH VAR	DESCRIPTION
-01	TWO PARTS IN ONE 16 PIN CARRIER

DEC FORM NO. 17, 1973

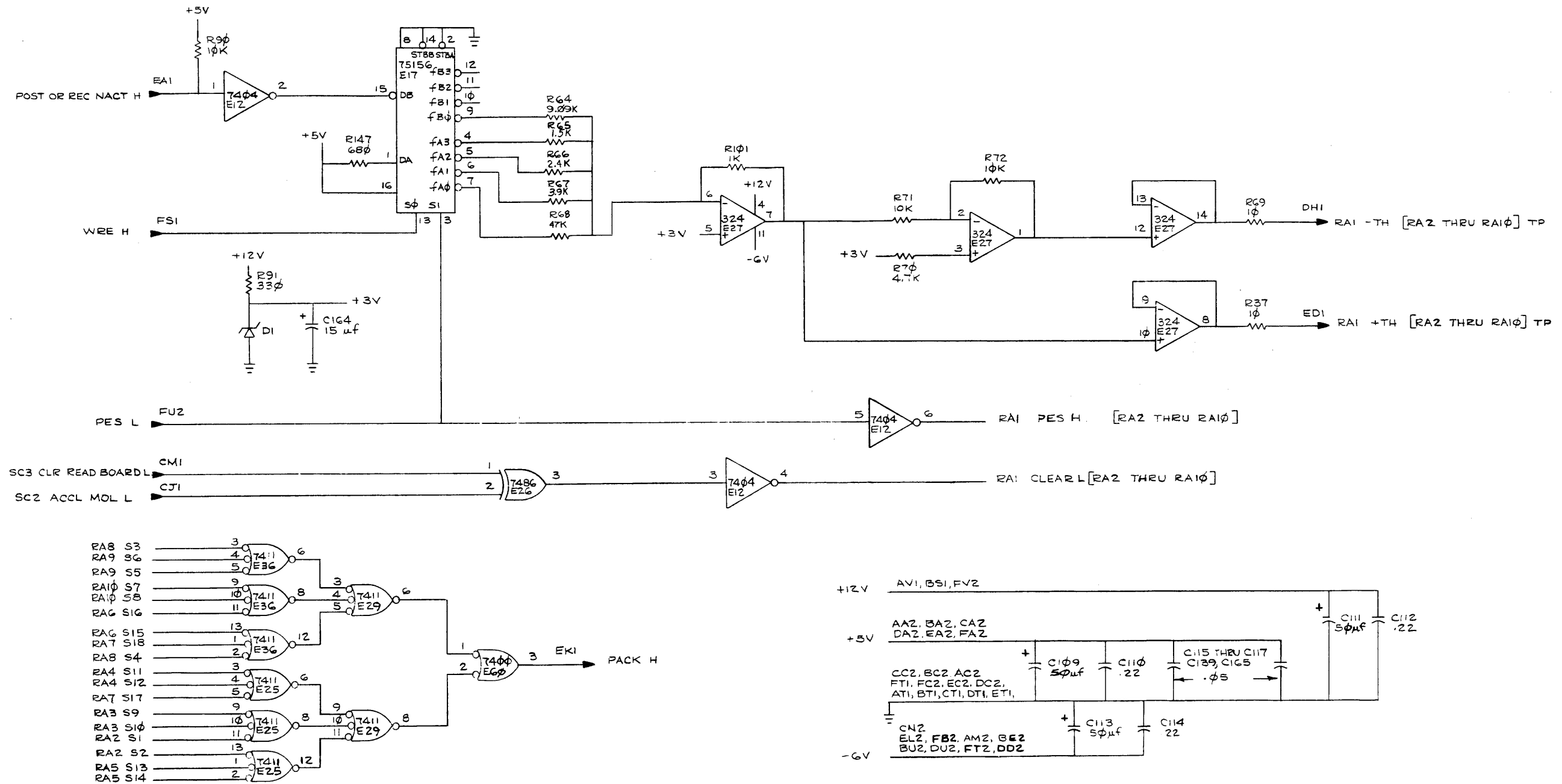
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV		D		
		DRN B. 2015	DATE 12-5-73	 EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
		CHKD J. Carberry	DATE 12/20/73	
		ENG R. JEE	DATE 1/2-74	
		PROJ. ENG R. JEE	DATE 11-17-74	
		PROD J. Carberry	DATE 1-1-74	
		NEXT HIGHER ASSY — 11 —		
DEC NO.		EIA NO.		
CONVERSION CHART		SCALE — 11 —	SIZE/CODE D CS M8912-Ø-1	NUMBER REV. D
SHEET		1 OF 3		DIST

digital		EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TITLE SLAVE TEST (TFGI) FUNCTION GENERATOR			
SIZE CODE D	CS	NUMBER M8912-0-1	REV. D
DIST			





1. ALL RESISTORS ARE 1/4W, $\pm 5\%$
UNLESS OTHERWISE SPECIFIED

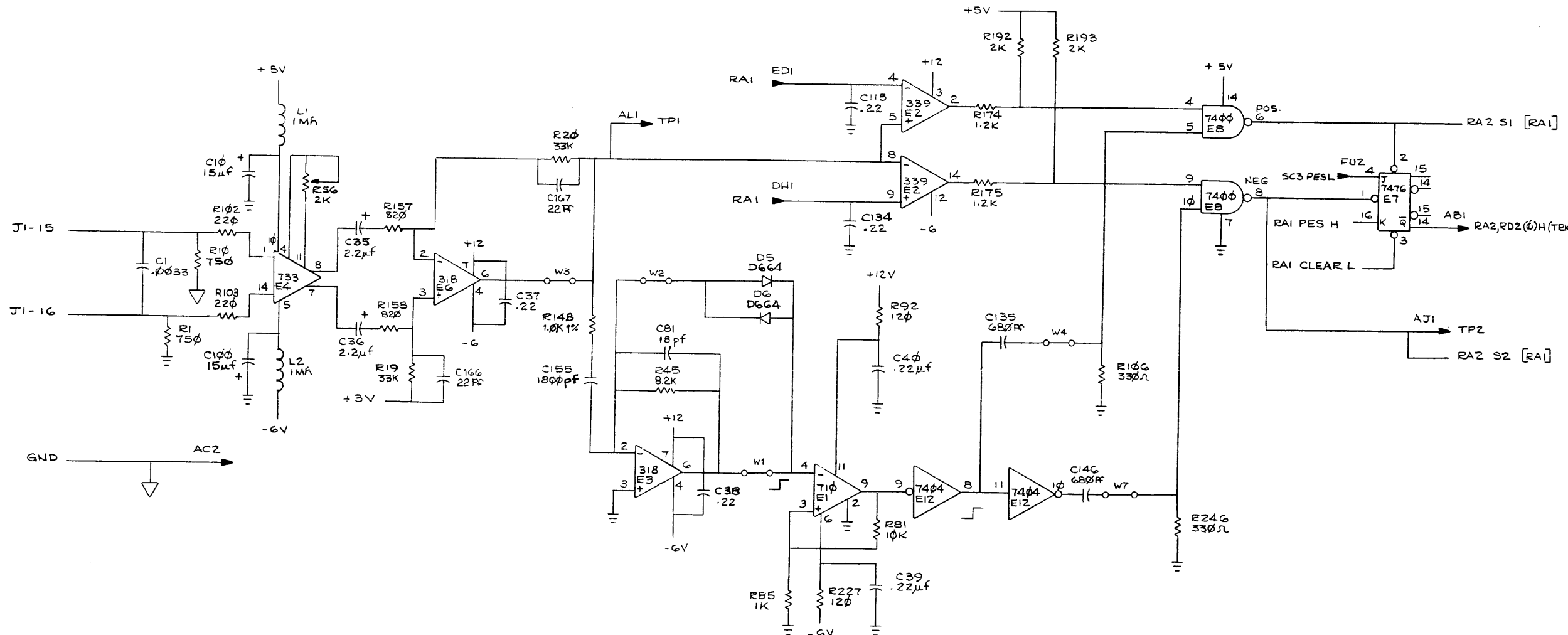


CHK#	RETURNS	CHANGE NO.	R.V.
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ORN. <i>10-11-76</i> <i>11-11-76</i>		FIRST USED ON <i>11-11-76</i>			
CHK'D <i>10-11-76</i>		TITLE <i>9TK TUI6</i> <i>READ AMP</i> <i>(RA1)</i>			
ENG. <i>11-11-76</i> <i>11-11-76</i>					
PROJ. ENG. <i>11-11-76</i> <i>11-11-76</i>					
PROD. <i>11-11-76</i> <i>11-11-76</i>					
NEXT HIGHER ASSY.					
DUN- <i>6066-0-0</i>		SIZE	CODE	NUMBER	REV.
SCALE <i>1</i>		D	CS	<i>G066-0-1</i>	F
SHEET <i>1</i> OF <i>10</i>		DIST.			

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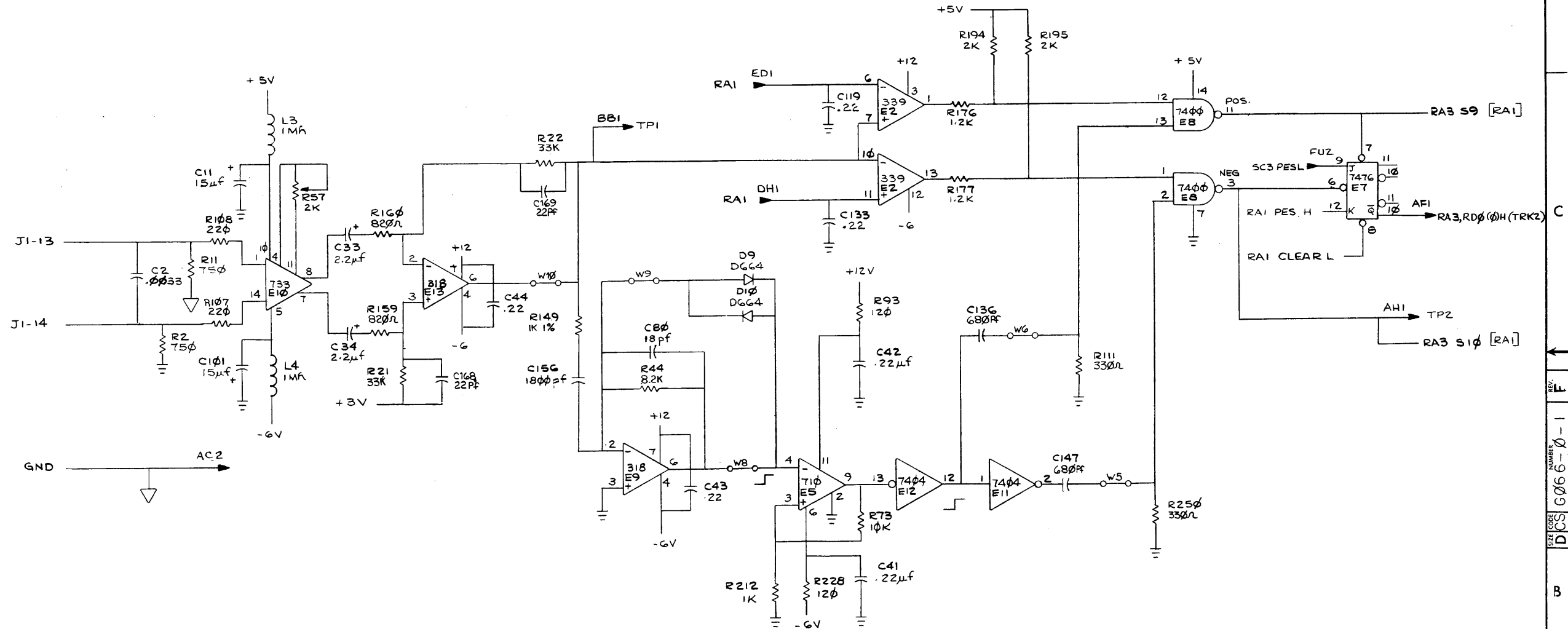
1-0-9909 SC D 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE 9TK TU16
READ AMP (RA2)
SCALE 1/10
SHEET 2 OF 10
D C S G066-0-1
REV. F

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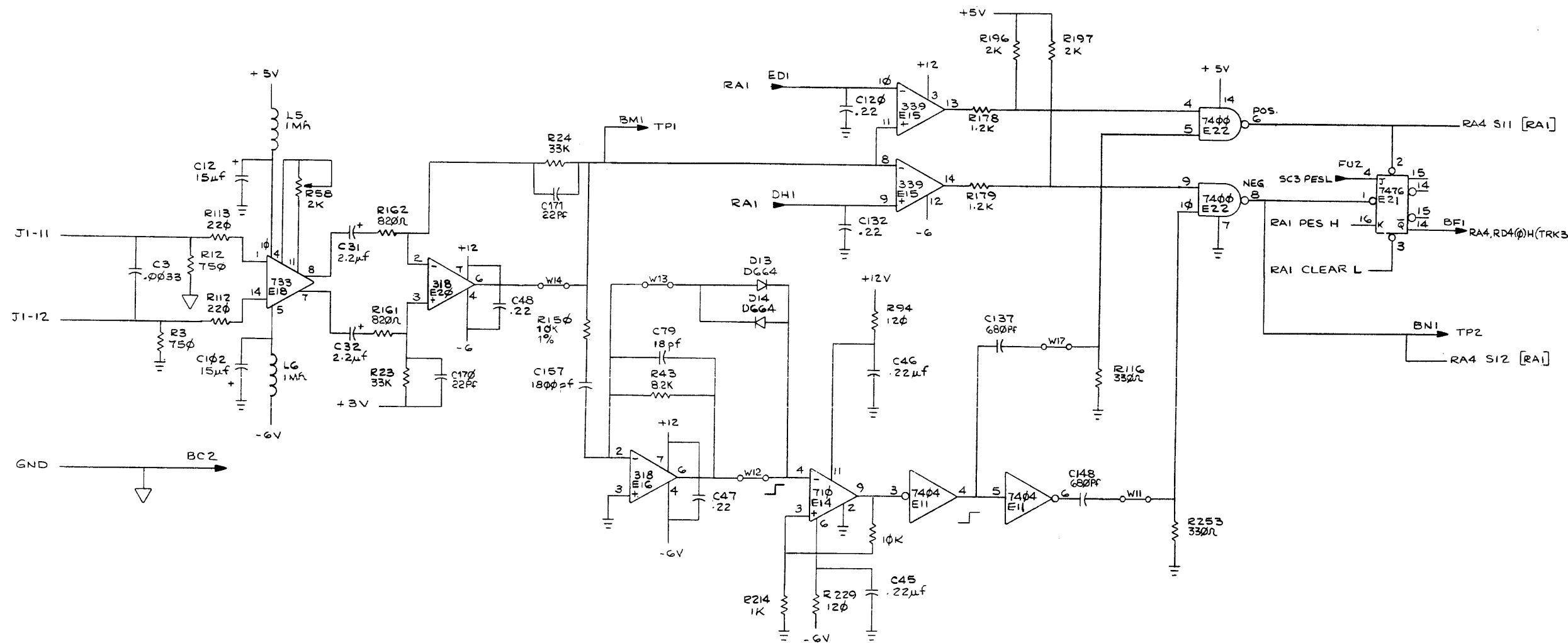
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CHK	CHANGE NO.	REV.

DEC FORM NO. 100 128

TITLE		9TK TU16	SIZE CODE	NUMBER	REV.
READ AMP (RA3)		DCS G066-0-1			F
SCALE		SHEET 3 OF 10	DIST.		

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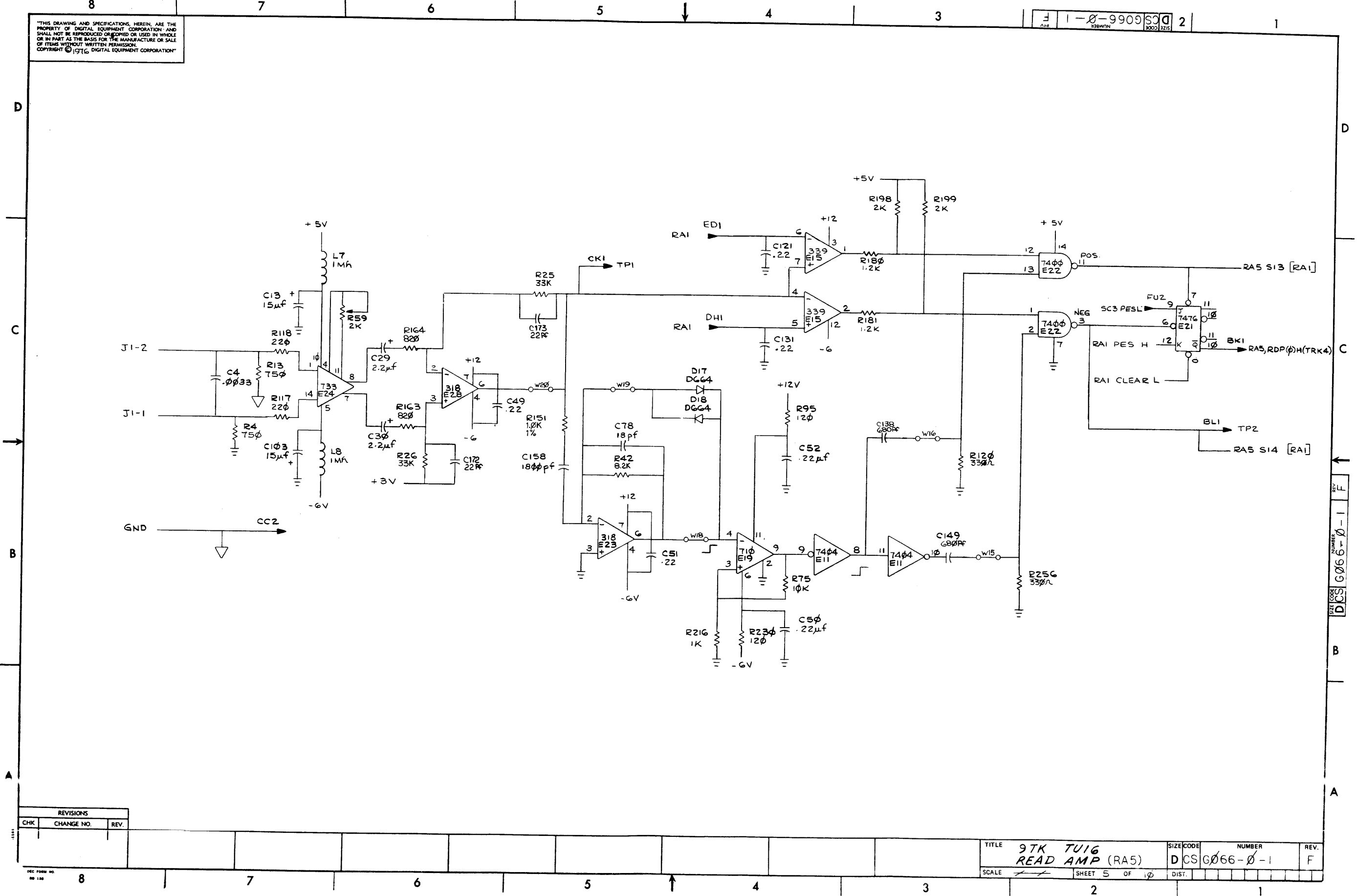
1-0-9909 S3 2



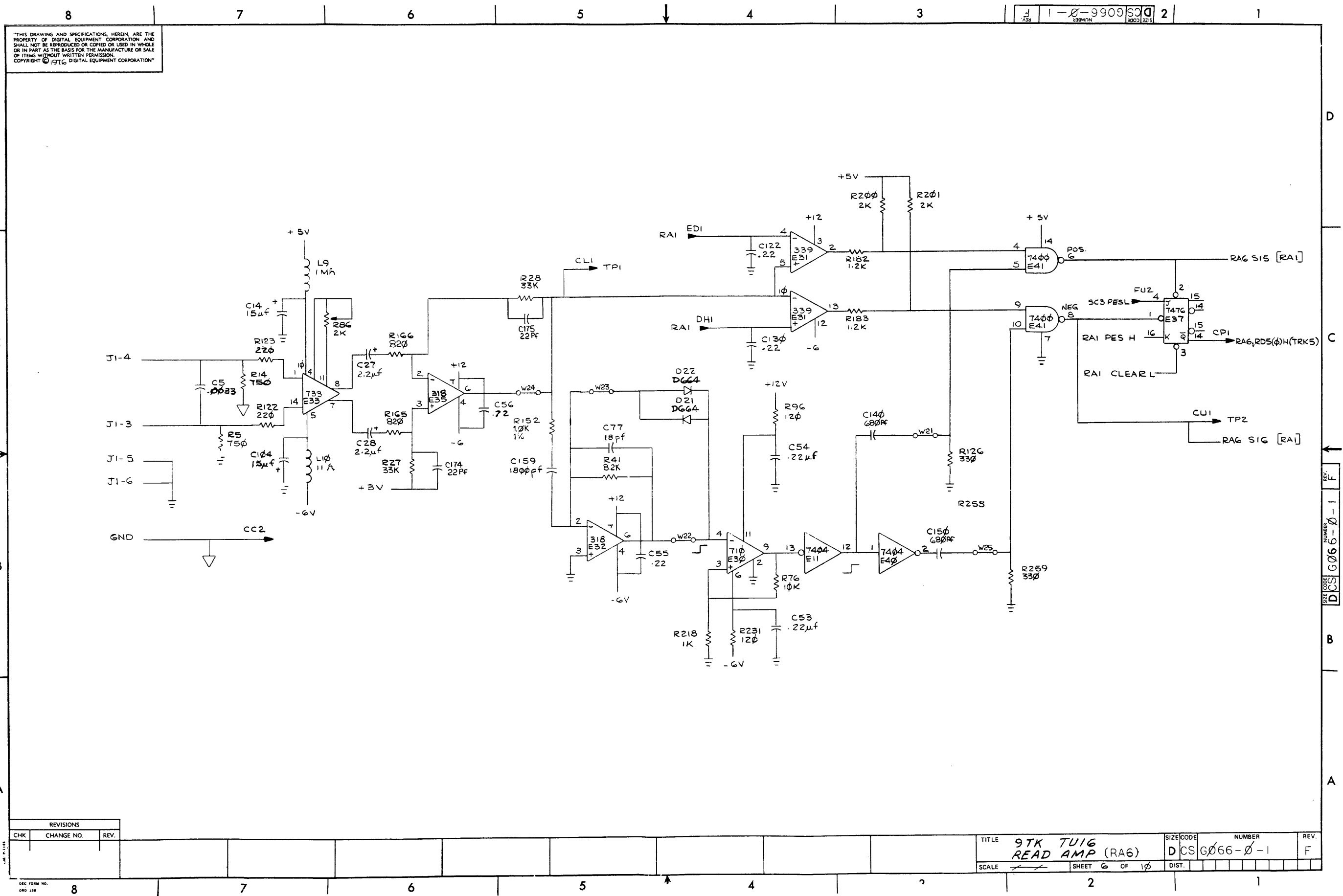
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE 9TK TU16 READ AMP (RA4)		SIZE CODE DCS	NUMBER G066-0-1	REV. F
SCALE	SHEET 4 OF 10	DIST.		

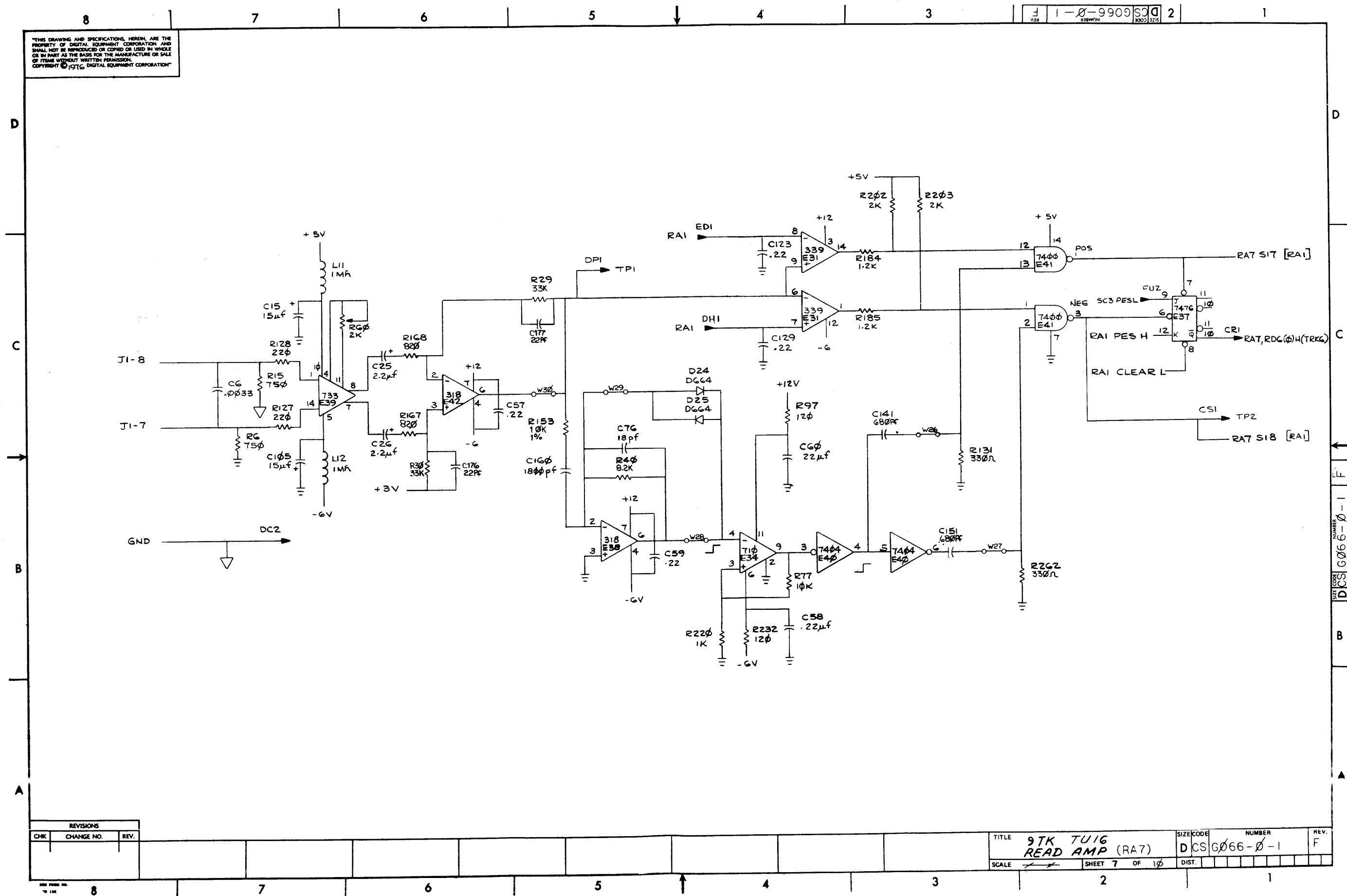
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REVISIONS		
CHK	CHANGE NO.	REV.

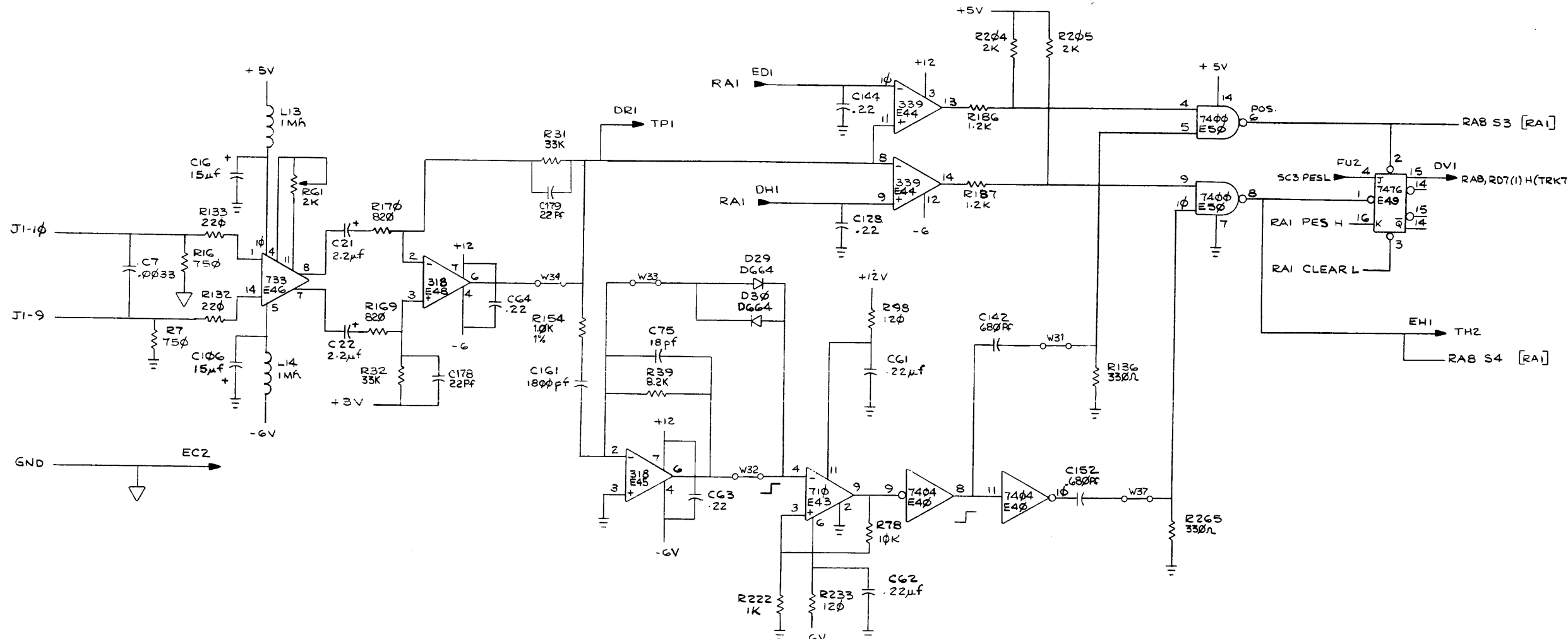


REVISIONS								TITLE		SIZE CODE	NUMBER		REV.					
CHK	CHANGE NO.	REV.						9TK TUIG READ AMP (RA6)		DCS	G066-0-1		F					
								SCALE 1/4"		SHEET 6	OF 10	DIST.						
DEC FORM NO. ORD 128			8		7		6		5		4		3		2		1	



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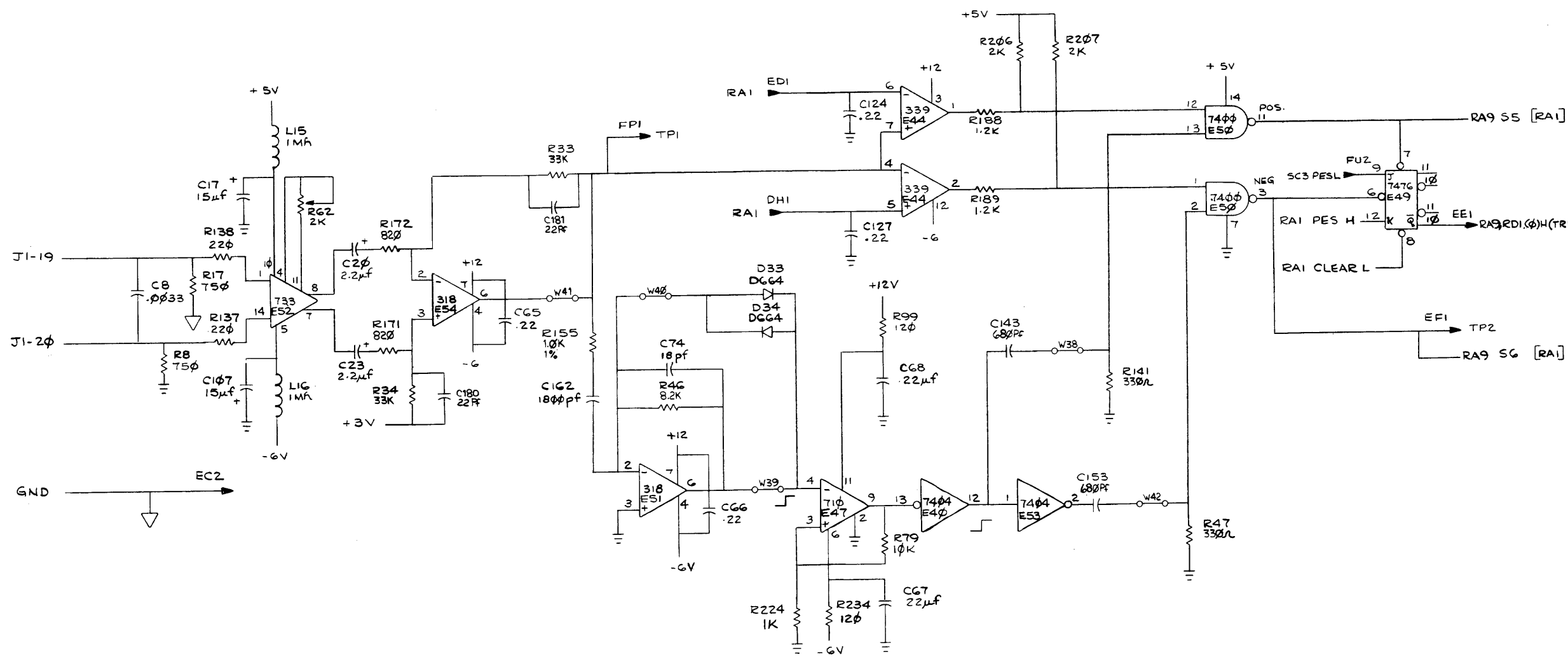
1-0-9909 SC 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE 9TK TU16 READ AMP (RAB)
 SCALE 1:1 SHEET 8 OF 10
 SIZE CODE DCS G066-0-1
 NUMBER 1
 REV. F

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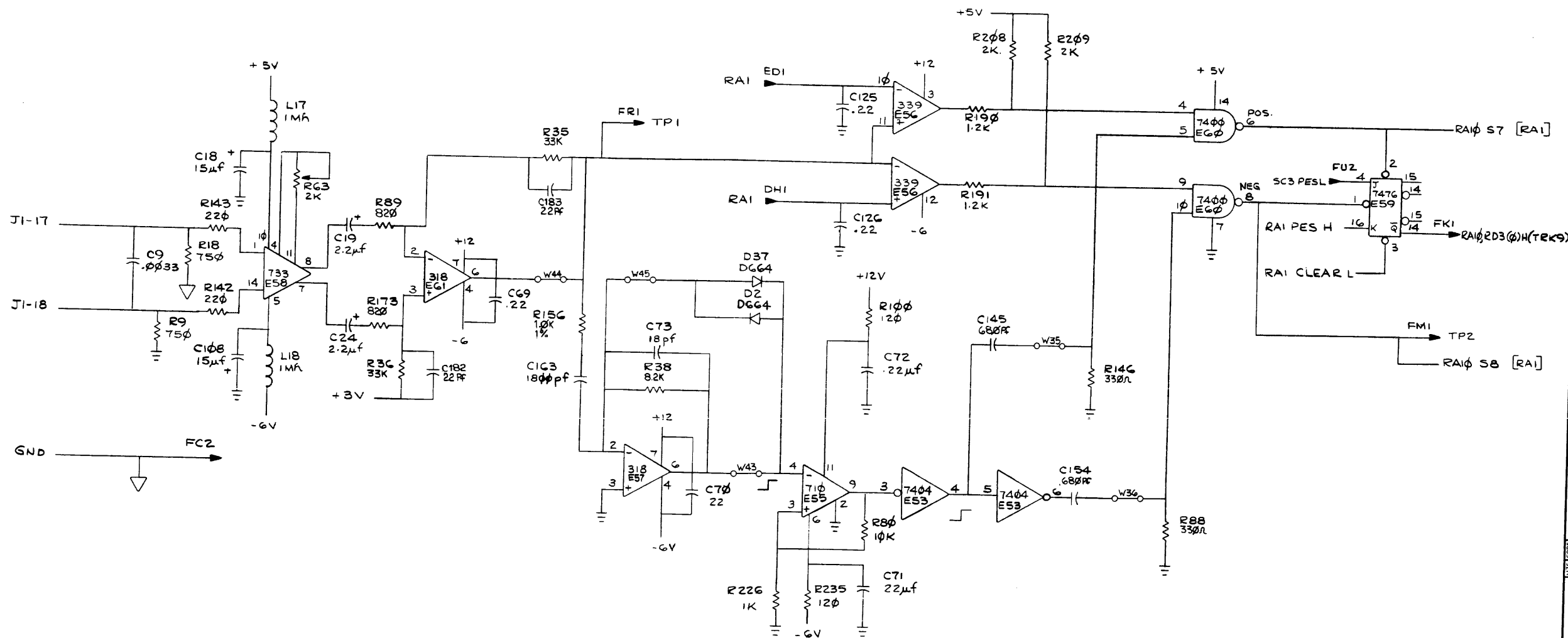


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		9TK TU16 READ AMP (RA9)	SIZE CODE	NUMBER	REV.
SCALE		SHEET 9 OF 10	DIST.		F

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1-0-9909 SC 2



REVISIONS		
CHK	CHANGE NO.	REV.

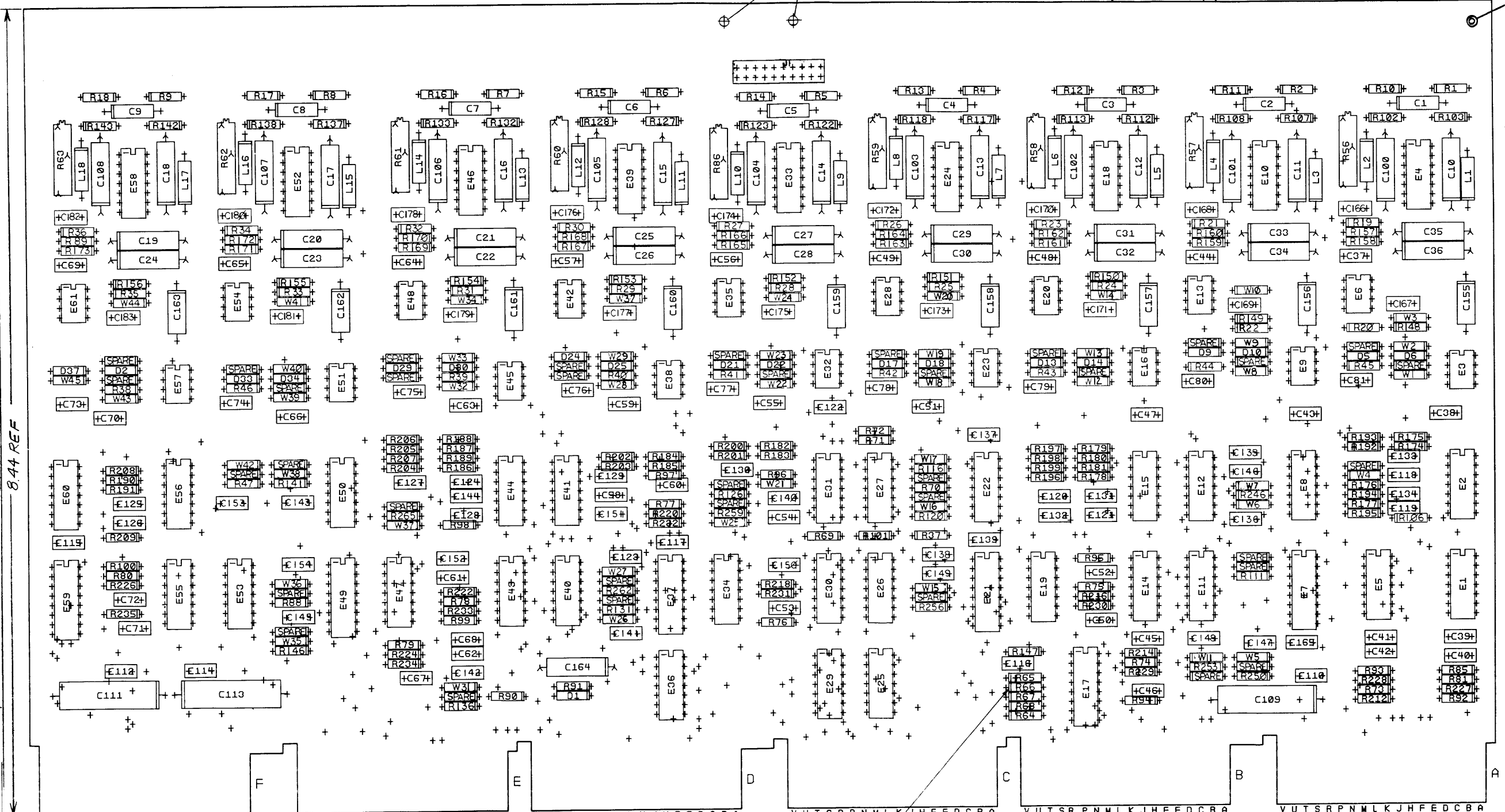
TITLE 9TK TU16 READ AMP (RAIO)		SIZE CODE D CS	NUMBER G066-0-1	REV. F
SCALE	SHEET 1 OF 1	DIST.		

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0-0-9909 40 2 1

COMPONENT SIDE VIEW

SEE NOTE 1



NOTES: 1. DO NOT INSTALL 2 EYELED IN HANDLE IN HOLES INDICATED.
REWORK INSTRUCTIONS ECO*
COMPONENT DELETE SIDE 1
1-2. R66 (P/N 1300439)
COMPONENT ADDS SIDE 1:
1-3. R66 (P/N 1303177) (CONT. ON SHEET 404)

CHK	CHANGE	N	REV	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

1-2, 1-3

ETCH REV. D	P.C. DESIGN DATA BASE REV. 122350L
-------------	------------------------------------

SIGNATURES		DATE	digital
DRN. S. H. H. H.		15 SEP 76	
CHK'D. S. H. H. H.		15 SEP 76	TITLE 9TK TU16 READ AMP
ENG. S. H. H. H.		15 SEP 76	
PROD. S. H. H. H.		15 SEP 76	SIZE CODE NUMBER
SCALE 2/1		15 SEP 76	
SHT. 1 OF 4		15 SEP 76	REV
NEXT HIGHER ASSY. B-DO-6066-0		15 SEP 76	

1 MS#81045

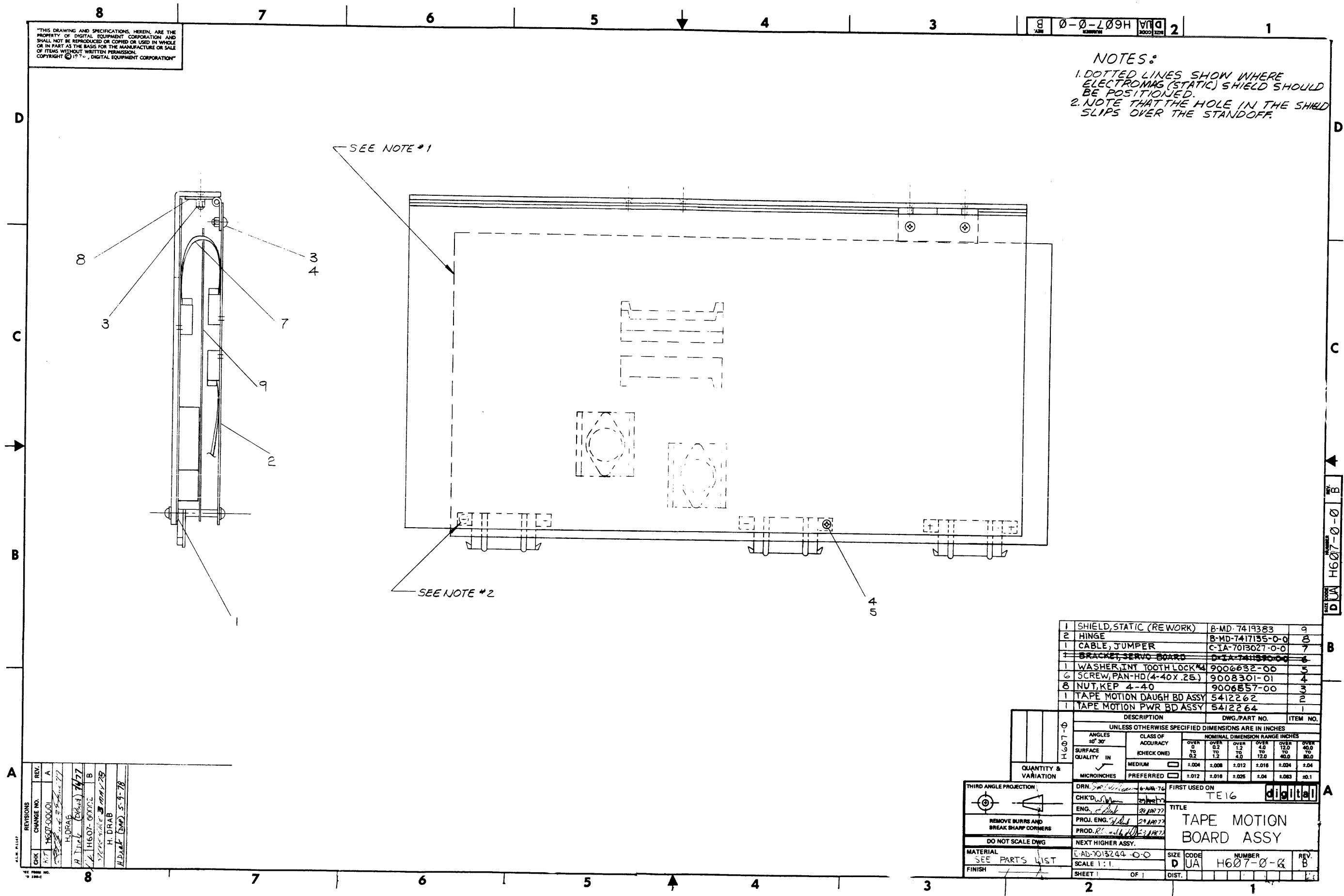
DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																USED ON OPTION/MODEL TL116J			
MADE BY DAVID BEAUREGARD		CHECKED <i>J. P. Brennan</i>		SECTION 1															
DATE 15 OCT 76		DATE 18 OCT '76																	
ENG <i>H. Finckel</i>		PROD <i>Gordon R. Dillard</i>		ISSUED SECTION 1															
DATE 11.23.76		DATE 23 NOV '76																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														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 74511	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													F3,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 (10-4372A)	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		
ECO. NO. 00001 00002 00003 ML004																			
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EN-01140A-16-R276(325) DRB 125				SHEET 1 OF 4				INSERTION PARTS LIST DATA BASE REV B											

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON OPTION/MODEL TU16J			
MADE BY D. BEAUREGARD		CHECKED <i>D. Brennan</i>		SECTION													
DATE 15 Oct 76		DATE 18 Oct 76		1													
ENG <i>H. Finkelstein</i>		PROD <i>Gordon R. Billard</i>		ISSUED SECTION													
DATE 11.23.76		DATE 23 NOV '76		1													
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION											REF DESIGNATION			
15		10-04812-00	CAP 15 Mi 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		10-10274-00	CAP .22 UF 50V CER	57										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			
25		13-01477-00	RES 82 1/4W 5%	18										R49 thru R55, R82 thru R84, R245, R248, R251, R254, R257, R260, R263, R266			
26		13-00247-00	RES 120 1/4W 5%	18										R92 thru 100, R227 thru R235			
27		13-00271-00	RES 220 1/4W 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 1/4W 5%	1										R147			
29		13-00365-00	RES 1K 1/4W 5%	10										R85, R101, R212, R214, R216, R218, R220, R222, R224, R226			
30		13-01320-00	RES 1.2K 1/4W 5%	18										R174 thru R191			
31		13-01401-00	RES 750 1/4W 5%	18										R1 thru R18			
E.C.O. NO.																	
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				SHEET 2 OF 4				INSERTION PARTS LIST DATA BASE REV 5									

EN-01140A-16-R276(325)DRB 125

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON OPTION / MODEL			
MADE BY DAVID BEAUREGARD		CHECKED P. Bossman		SECTION 1													
DATE 15 Oct 76		DATE 18 Oct 76															
ENG H. Funder		PROD Gordon R. Sklar		ISSUED SECTION 1													
DATE 11.22.76		DATE 23 NOV '76															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												REF DESIGNATION		
32		13-02388-00	RES 2K 1/4W 5%	18											R192 thru R209		
33		13-03177-00	RES 2.4K 1/4W 5%	1											R66		
34		13-00439-00	RES 3.3K 1/4W 5%	18											R157 thru R173, R89		
35		13-13349-00	RES 33K 1/4 10%	18											R19 thru R29, R30, R31 thru R36		
36		13-00447-00	RES 4.7K 1/4W 5%	1											R70		
37		13-00479-00	RES 10K 1/4W 5%	12											R71 thru R81, R90		
38		13-01775-00	RES 820 5%	18											R89, R157 thru R173		
39		13-01317-00	RES 10 1/4W 5%	2											R69, R37		
40		13-09143-08	RES 2K POT	9											R56 thru R63, R86		
41		13-03179-00	RES 2.2K 1/4W 5%	9											R38 thru R46		
42		12-13335-00	CONNECTOR, 20 PIN	1											J1		
43		13-00295-00	RES 330 1/4W 5%	19											R47, R88, R91, R106, R111, R116, R120, R126, R131, R136, R141, R146, R246, R250, R253, R256, R259, R262, R265		
44		13-00391-00	RES 1.5K 1/4W 5%	1											R65		
45		13-00444-00	RES 3.9K 1/4W 5%	1											R67		
46		13-02177-00	RES 47K 1/4W 5%	1											R68		
47		90-06732-00	EYELET	10													
48		12-10711-05	HANDLE, HEX	1													
49		9009185	JUMPER WIRE	45											W1 thru W45		
ECO. NO.																	
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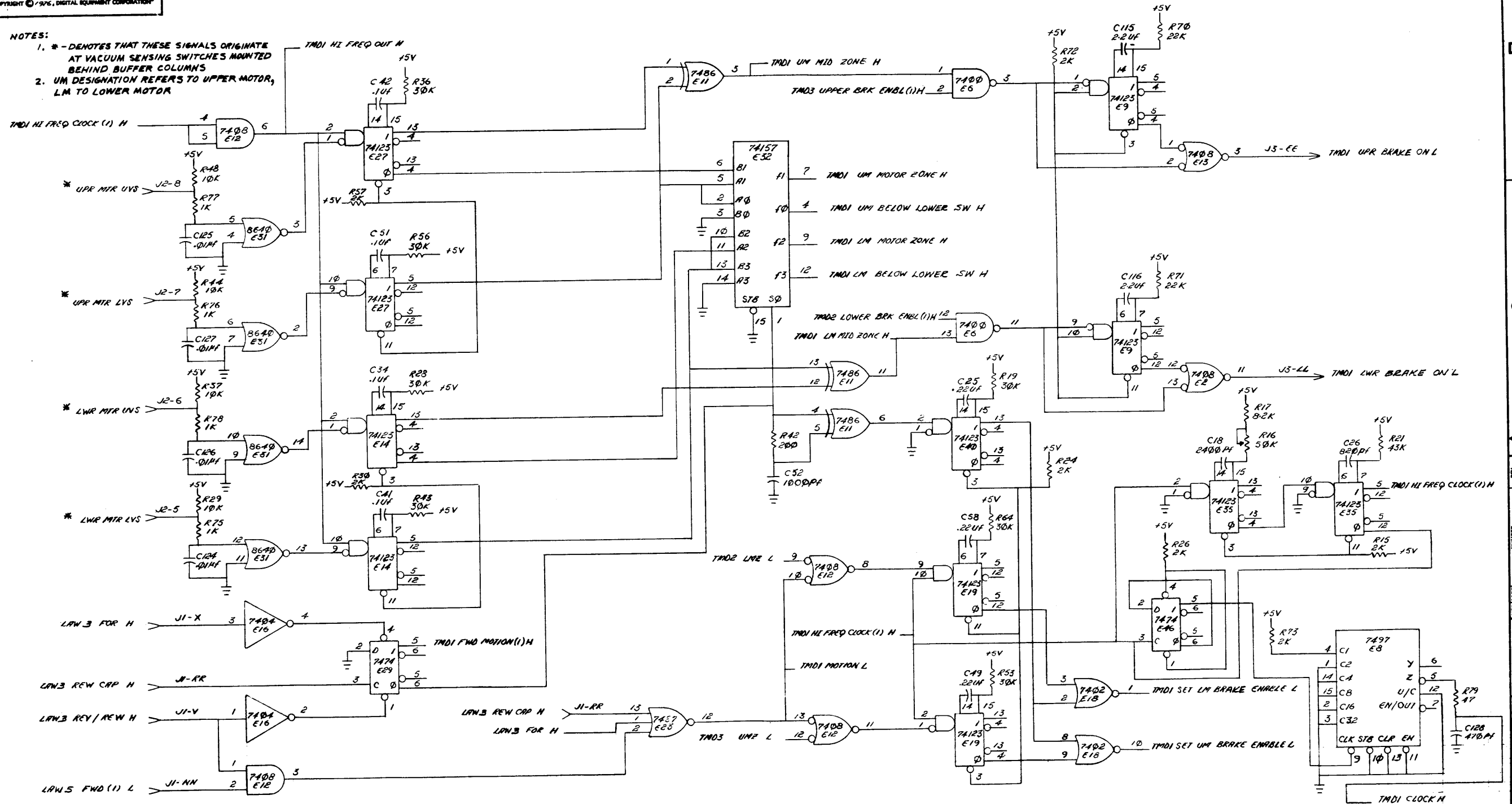
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:				
MADE BY D.BEAUREGARD DATE 15 OCT 76		CHECKED P. BOSSMAN DATE 18 OCT 76		SECTION 1												USED ON OPTION/MODEL TU16J		
ENG H.FINDEISEN DATE 11-23-76		PROD GORDON R. DILLARD DATE 23 NOV 76		ISSUED SECTION 1														
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF DESIGNATION		
50		13-02748-00	RES 1.0K 1/8W 1%	9												R148 thru R156		
51		13-05430-00	RES 9.1K 1/4W	1												R64		
E.C.O. NO.																		
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NOTES:

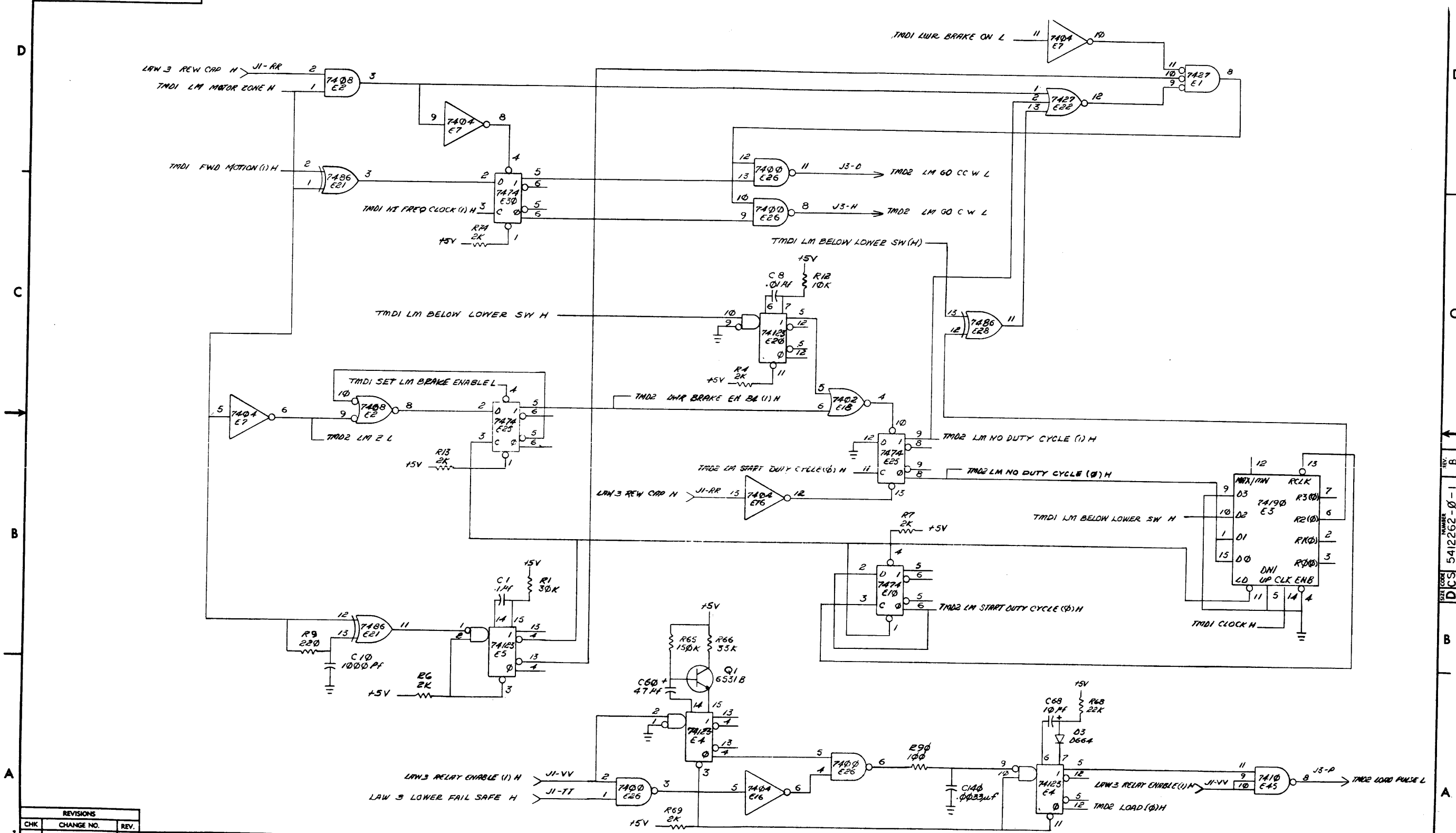
1. * - DENOTES THAT THESE SIGNALS ORIGINATE AT VACUUM SENSING SWITCHES MOUNTED BEHIND BUFFER COLUMNS
2. UM DESIGNATION REFERS TO UPPER MOTOR, LM TO LOWER MOTOR



DRN: 9-6-76	FIRST USED ON: H 607
CHK'D: 3/10/77	
ENR: 3/10/77	
PROJ. ENG: 3/10/77	TITLE: TAPE MOTION (TMD1) DAUGHTER BOARD
PROD. 3/10/77	
NEXT HIGHER ASSY:	
B DD-5412262-00	SIZE CODE: DCS 5412262-0-1
SCALE: NONE	NUMBER: 8
SHEET: 1 OF 4	DIST.:

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5412262-0-1 2

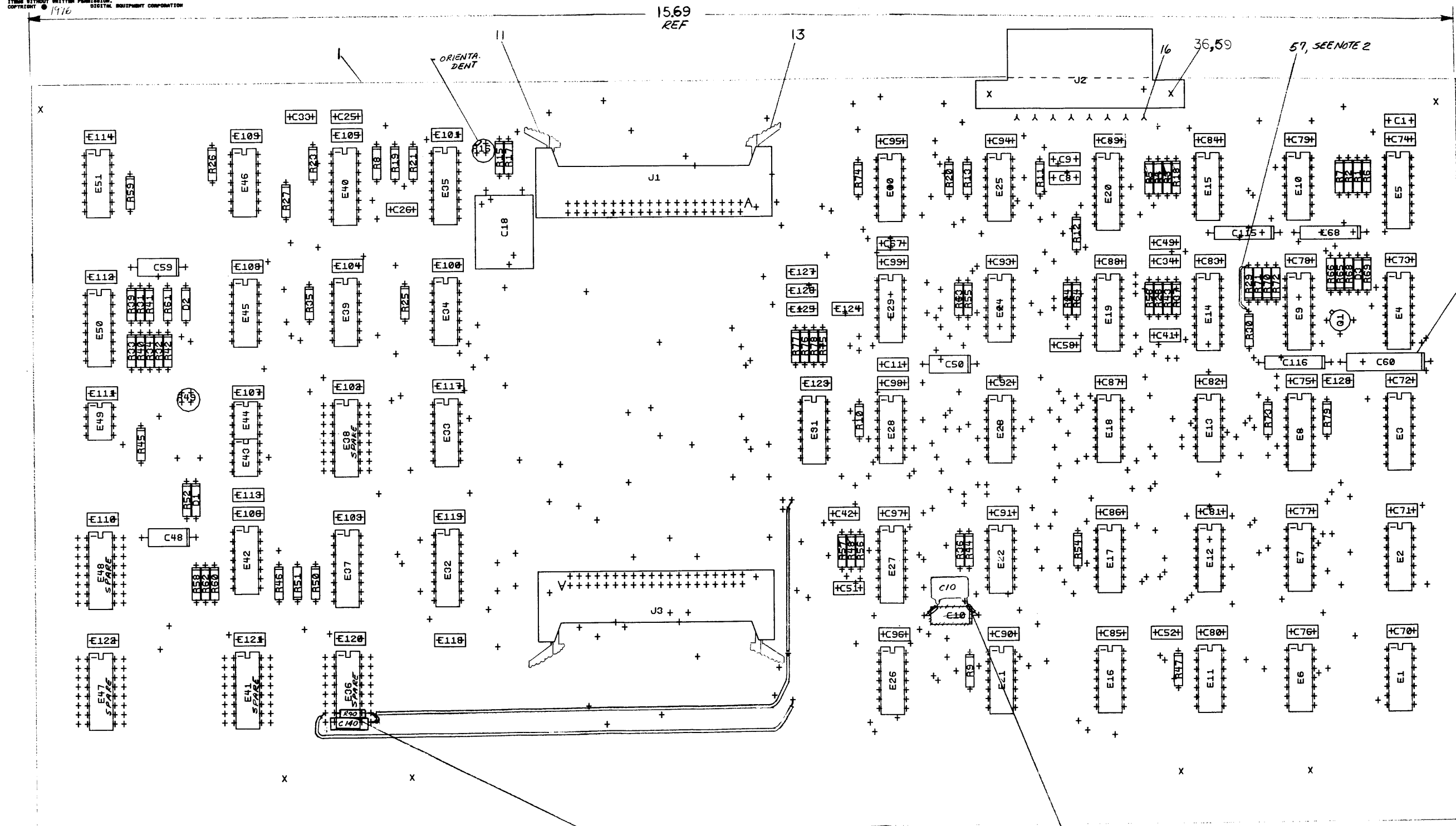


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE TAPE MOTION (TMD2) DAUGHTER BOARD
 SCALE NONE SHEET 2 OF 4
 NUMBER 5412262-0-1
 REV. B

1976
DIGITAL EQUIPMENT CORPORATION
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COMPONENT SIDE VIEW



NOTES: 1. REMOVE INSTRUCTIONS. REPLACE C10, WAS 104F, 20V. - 15 10 00422-00, 100422-00. INSTALL SLEEVING, ITEM 56 ON LEADS OF C10 BEFORE ASSY. LAY C10 DOWN 2. ADD Rework WIRE, ITEM 57 4 PLACES AS SHOWN 3. REPLACE C60. WAS: 204F, 50V 15:474F, 20V - 1004814-00.

REWORK 1. ADD R90, ITEM 19 - 100422-00, 100422-00 2. ADD C140, ITEM 58 - 100324F, 10H140-00

SEE NOTE 1

SIGNATURES		DATE
ORN. R. SULLIVAN		10/19/76
CHK. D. J. SULLIVAN		10/19/76
ENG. J. SULLIVAN		10/19/76
PROJ. ENG. J. SULLIVAN		10/19/76
PROD. J. SULLIVAN		10/19/76
SCALE 2/1		SIZE CODE NUMBER
SHT. 1 OF 3		D UA 5412262-0-0
NEXT HIGHER ASSY. B-DD-5412262-0-0		REV B

ETCH REV. C
P.C. DESIGN DATA BASE REV. C1

digital	
TITLE TAPE MOTION	
DAUGHTER BOARD	
SIZE CODE NUMBER	
D UA 5412262-0-0	
REV B	

1 MS#81077

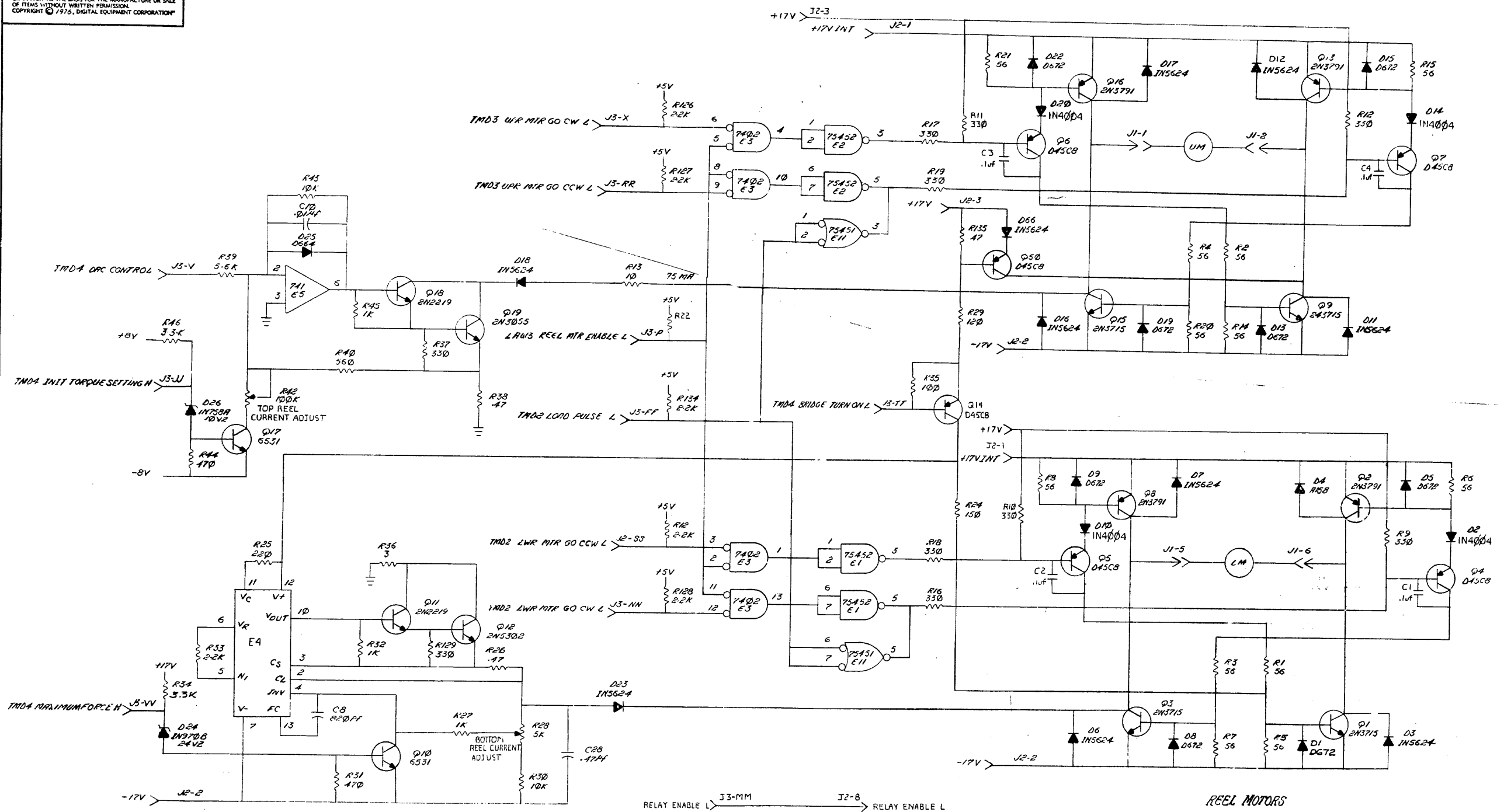
DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																USED ON: OPTION/MODEL H607			
MADE BY R. Sullivan		CHECKED <i>W. Metzger</i>		SECTION 1															
DATE 10 Oct 76		DATE 11/15/76																	
ENG <i>H. Shub</i>		PROD <i>E. Dillard</i>		ISSUED SECTION 1															
DATE 3 Jan 77		DATE 3 JAN 77																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF													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 20V 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															
ECO. NO.																			
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EN 01140A-16 R276(325) DRB 125				SHEET 1 OF 4				INSERTION PARTS LIST DATA BASE REV 5											

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON: OPTION/MODEL H607			
MADE BY R. Sullivan		CHECKED <i>John Metzger</i>		SECTION 1													
DATE 10 OCT 76		DATE 11/15/76															
ENG <i>S. Smith</i>		PROD <i>H. Dillard</i>		ISSUED SECTION 1													
DATE 3 Jan 77		DATE 3 JAN 77															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												REF DESIGNATION		
17		13-04838	RES 43K 1/4W 5%	1											R21		
18		13-02394	RES 30K 1/4W 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 1/4W 5%	1											R58		
21		13-02388	RES 2K 1/4W 5%	34											R2,R3,R6,R8,R15,R20,R24,E25,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 1/4W 5%	1											R17		
23		13-00479	RES 10K 1/4W 5%	6											R5,R12,R29,R37,R44,R48		
24		13-02466	RES 100K 1/4W 5%	1											R62		
25		13-04839	RES 51K 1/4W 5%	1											R50		
26		13-02391	RES 20K 1/4W 5%	2											R31, R45		
27		13-01320	RES 1.2 1/4W 5%	1											R46		
28		13-00365	RES 1.0K 1/4W 5%	7											R39,R40,R41,R75,R76,R77,R78		
29		13-00271	RES 220 1/4W 5%	3											R9,R10,R47		
30		13-02396	RES 150K 1/4W 5%	1											R65		
31		13-00510	RES 33K 1/4W 10%	1											R66		
32		13-01808	RES 22K 1/4W 5%	3											R68,R70,R71		
33		13-00202	RES 47 1/4W 5%	1											R79		
E.C.O. NO.																	
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EN 01140A-16 R276(325) DRB 125																	

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON: OPTION/MODEL H607			
MADE BY R. Sullivan		CHECKED <i>John Metzger</i>		SECTION 1													
DATE 10 Oct 76		DATE 11/15/76															
ENG <i>H. Dink</i>		PROD <i>H. Dillard</i>		ISSUED SECTION 1													
DATE 3 Jan 77		DATE 3 JAN 77															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												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 DIM.	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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				SHEET 3 OF 4				INSERTION PARTS LIST DATA BASE REV B									

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:			
PARTS LIST														USED ON : OPTION / MODEL H607			
MADE BY D. Sullivan		CHECKED <i>John Metzger</i>		SECTION 1													
DATE 10 OCT 76		DATE 11/15/76															
ENG <i>H. Shub</i>		PROD <i>M. Dillard</i>		ISSUED SECTION 1													
DATE 3 Jan 77		DATE 3 JAN 77															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION												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	A/R													
57		91 05740-55	WIRE, #30 AWG, GRN	A/R													
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		
C																	
E.C.O. NO.																	
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				SHEET 4 OF 4				INSERTION PARTS LIST DATA BASE REV 5									

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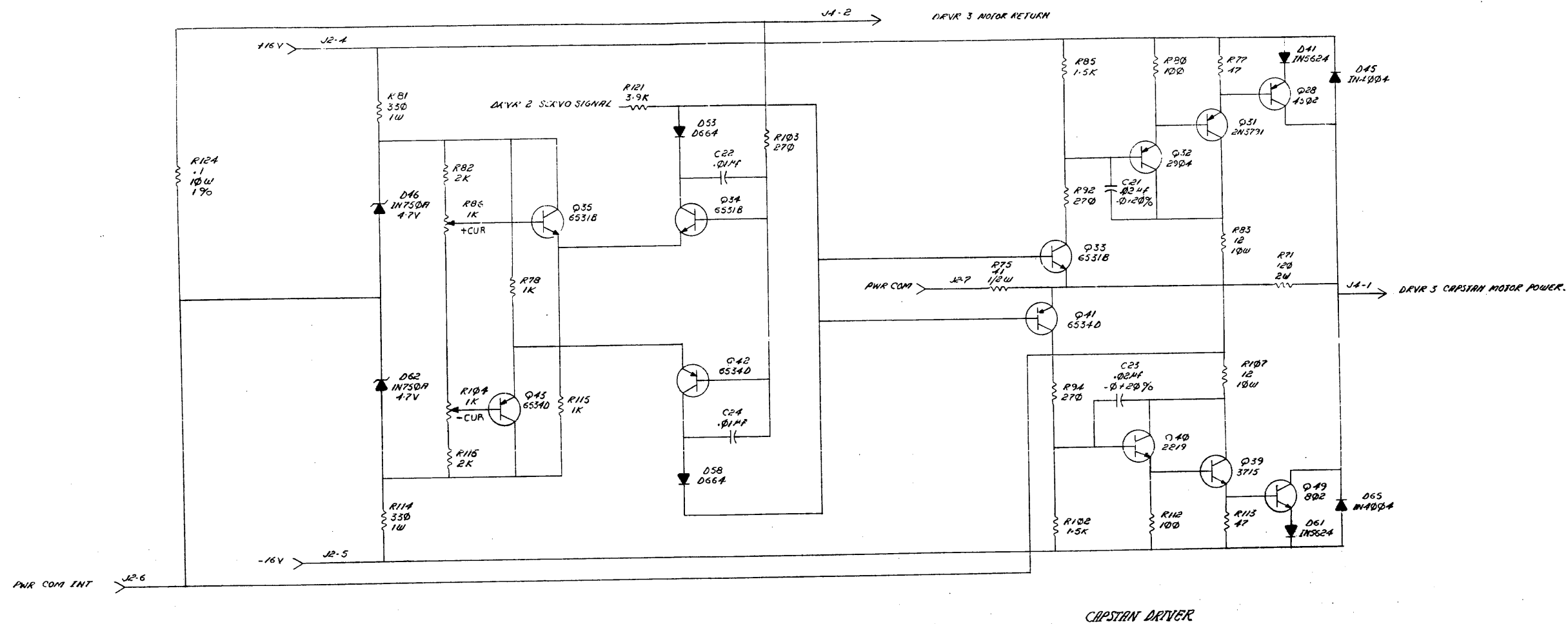


REV.	CHG.	DATE	BY	CHK.
1	5412264-00001	11/16/70	STEVE A. TULLY	5 APR 71
2	5412264-00002	11/16/70	STEVE A. TULLY	5 APR 71
3	5412264-00003	11/16/70	STEVE A. TULLY	5 APR 71
4	5412264-00004	11/16/70	STEVE A. TULLY	5 APR 71
5	5412264-00005	11/16/70	STEVE A. TULLY	5 APR 71
6	5412264-00006	11/16/70	STEVE A. TULLY	5 APR 71
7	5412264-00007	11/16/70	STEVE A. TULLY	5 APR 71
8	5412264-00008	11/16/70	STEVE A. TULLY	5 APR 71

DRN: <i>Steve Tully</i>	11/16/70	FIRST USED ON	H6.07
CHK: <i>Steve Tully</i>	11/16/70	TITLE	(DRVR1)
ENG: <i>Steve Tully</i>	11/16/70	TAPE MOTION POWER BOARD	
PROJ. ENG: <i>Steve Tully</i>	11/16/70		
PROD. <i>A. Tully</i>	11/16/70		
NEXT HIGHER ASSY.			
B-DD-5412264-0-0		SIZE CODE	NUMBER
SCALE: NONE		D CS 5412264-0-1	REV. E
SHEET 1 OF 4		DIST.	

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REV. 1-1-75 2



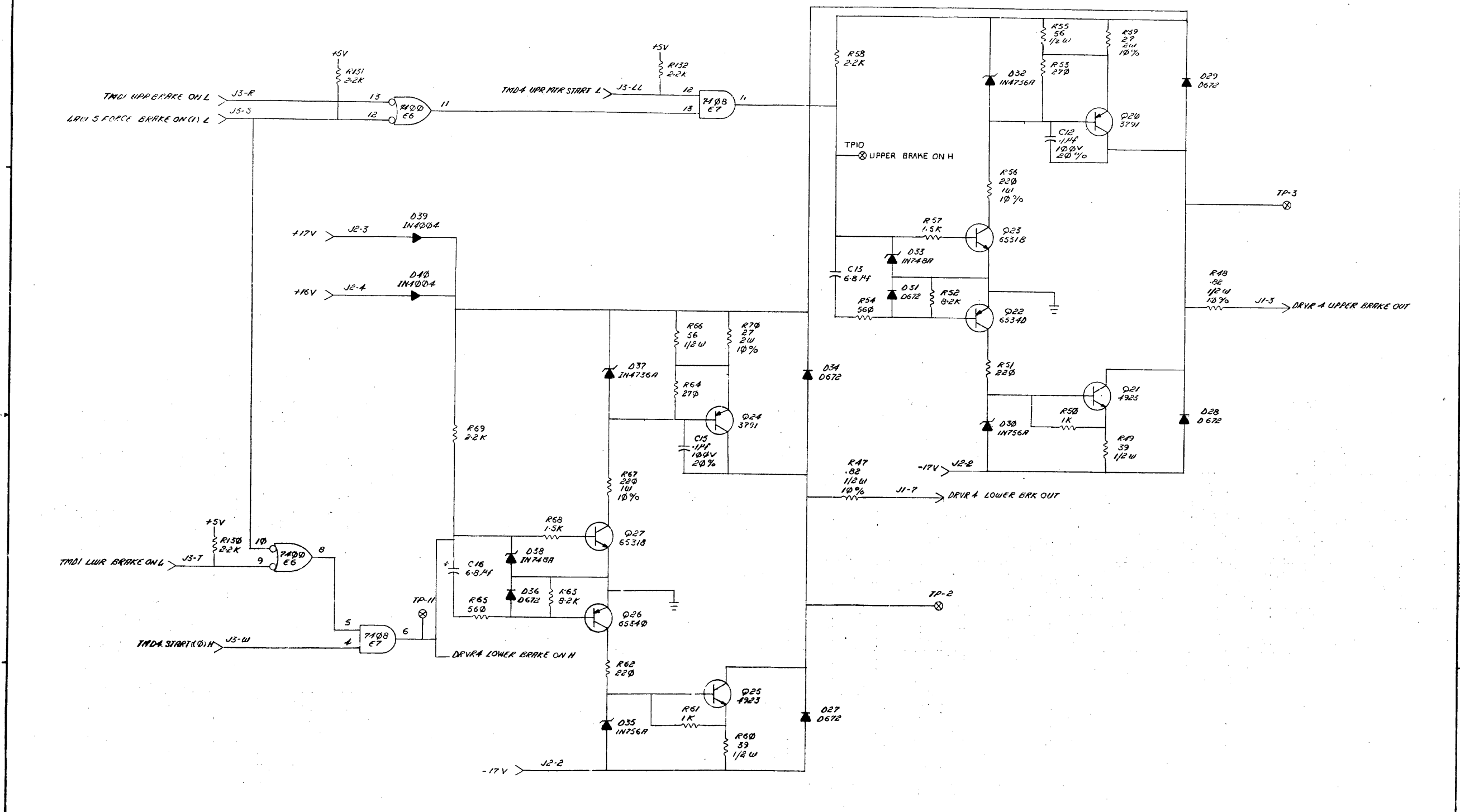
CAPSTAN DRIVER

REVISIONS									TITLE		SIZE CODE	NUMBER	REV.
CHK	CHANGE NO.	REV.							(DRVR3) TAPE MOTION POWER BOARD	DCS	5412264-0-1	E	
									SCALE	SHEET 3 OF 4	DIST.		

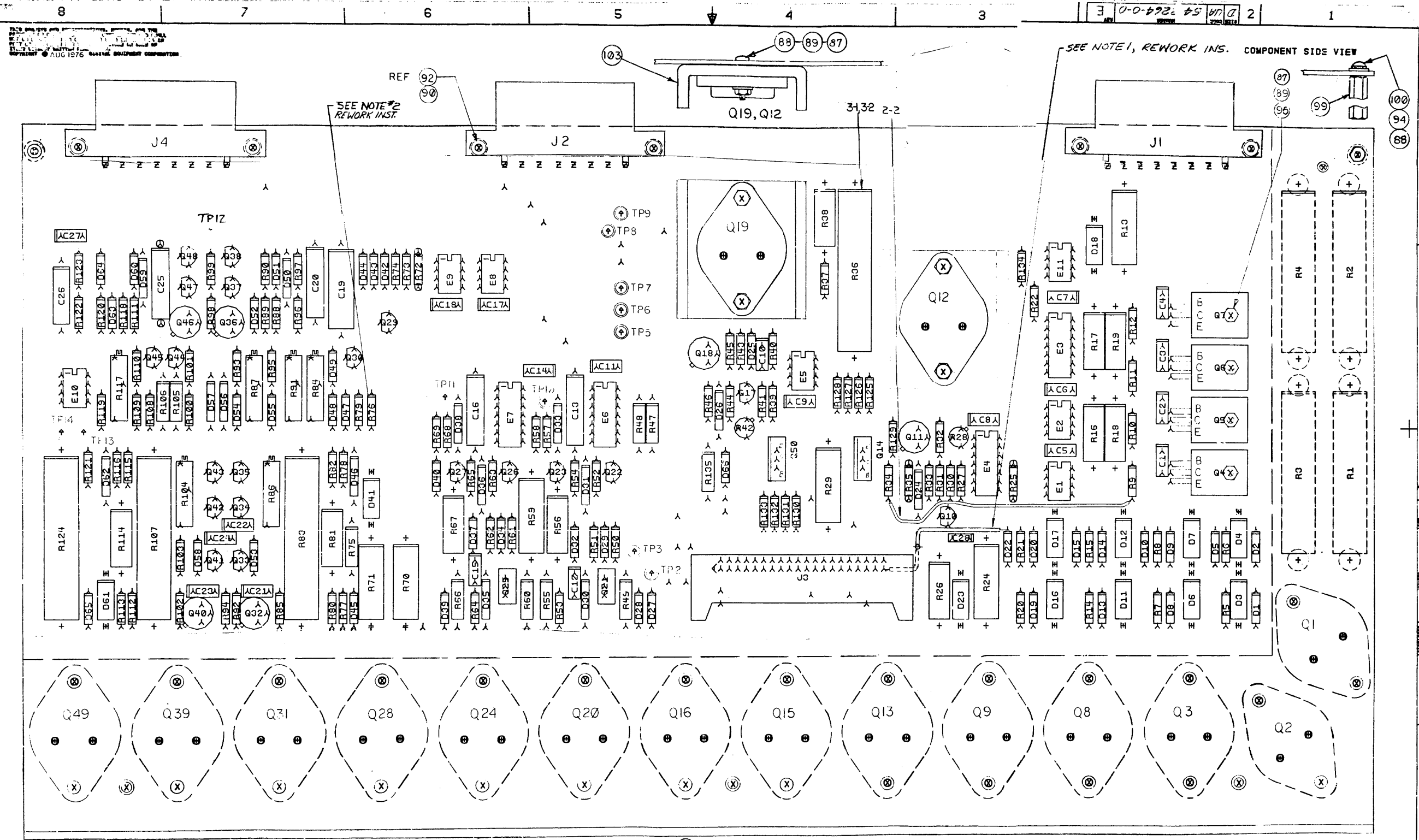
EC FORM NO.

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REV. 1
E
54-12264-0-1
D CS
2

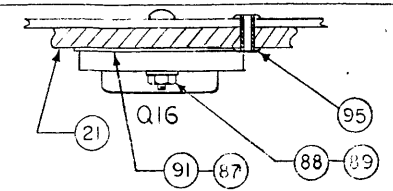


REVISIONS													TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.											TAPES MOTION POWER BOARD (DRVR4)		D CS		5412264-0-1		E	
													SCALE		SHEET 4 OF 4		DIST			



NOTES: **REWORK INSTRUCTIONS:**
 1. DRILL HOLE APPROX. AS SHOWN, .052 DIA. & INSTALL WIRE, ITEM 576.
 2. REPLACE R76 PART NO 1300398 WITH R76 PART NO 1300316.
 CONTINUED ON SHEET 4

CHK	CHANGE NO	REV
1/1	5412264-1	B
2/1	5412264-2	C
3/1	5412264-3	D
4/1	5412264-4	E
5/1	5412264-5	F
6/1	5412264-6	G
7/1	5412264-7	H
8/1	5412264-8	I
9/1	5412264-9	J
10/1	5412264-10	K
11/1	5412264-11	L
12/1	5412264-12	M
13/1	5412264-13	N
14/1	5412264-14	O
15/1	5412264-15	P
16/1	5412264-16	Q
17/1	5412264-17	R
18/1	5412264-18	S
19/1	5412264-19	T
20/1	5412264-20	U
21/1	5412264-21	V
22/1	5412264-22	W
23/1	5412264-23	X
24/1	5412264-24	Y
25/1	5412264-25	Z



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

SIGNATURES	DATE
DRN. <i>[Signature]</i>	5-12-76
CHK'D. <i>[Signature]</i>	5-12-76
ENG. <i>[Signature]</i>	5-12-76
PROJ. ENG. <i>[Signature]</i>	5-12-76
PROD. <i>[Signature]</i>	5-12-76
SCALE 2/1	
SHT. 1 OF 4	
NEXT HIGHER ASSY. B-00-5412264-3	

digital	TITLE TAPE MOTION POWER BOARD
SIZE CODE	NUMBER
0 UAA	5412264-0-0
REV	

SHEET A1 OF A3

REVISION HISTORY			BASIC PART NO: 5412264			DRN: P. BOSSMAN			DATE: 30-JUN-78			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: P. BOSSMAN			DATE: 30-JUN-78			TITLE PARTS LIST		
E.R.	00002	C	SECTION VARIATION INDEX			CHK'D: P. BOSSMAN			DATE: 30-JUN-78			Tape Motion Power Board		
ER	00003	D	[A] 00											
D.P.	5412264-ML004	E	[B]			DES.ENG: H. DRAB			DATE: 30-JUN-78					
			[C]											
			[D]			RESP.ENG.: H. DRAB			DATE: 30-JUN-78			DOCUMENT NUMBER		
			[E]									SIZE CODE NUMBER REV		
			[F]			MFG.ENG.: G. DILLARD			DATE: 30-JUN-78			K PL 5412264-0-DBP E		
			[G]											
			[H]			ASSEMBLY NUMBER:						FILE NAME:		
			[I]			D-UA-5412264-0-0						E0456E.PLS EDIT		
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											

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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
26	26	1300277-00	220 1W 10%	CC 2	R56,R67
27	27	1300285-00	270 1/2W 5%	CC 2	R105,R106
28	28	1300295-00	330 1/4W 5%	CC 6	R90R12,R37,R129
29	29	1300297-00	330 1W 5%	CC 6	R160R10,R81,R114
30	30	1300316-00	470 1/4W 5%	CC 3	R31,R44,R76
31	31	1305258-00	.47 2W 5%	WW 2	R26,R30
32	32	1300365-00	1 K 1/4W 5%	CC 14	R27,R32,R45,R50,R61,R70,R80, CONT R90R99,R111,R115
33	33	1300391-00	1.5 K 1/4W 5%	CC 7	R57,R60,R73,R85,R101,R102,R110
34	34	1300417-00	2.2 K 1/4W 5%	CC 14	R22,R33,R50,R69,R122,R125-R120, CONT R130-R134
35	35	1300439-00	3.3 K 1/4W 5%	CC 2	R34,R46
36	36	1300444-00	3.9 K 1/4W 5%	CC 3	R72,R100,R121
37	37	1300479-00	10 K 1/4W 5%	CC 4	R30,R43,R74,R123
38	38	1300398-00	*** THIS ITEM IS NOT USED ***	-	
39	39	1300496-00	15 K 1/4W 5%	CC 3	R41,R89,R118
40	40	1301327-00	68 K 1/4W 5%	CC 1	R119
41	41	1301522-00	27 1/4W 5%	CC 2	R90,R120
42	42	1301423-00	6.8 K 1/4W 5%	CC 2	R93,R100
43	43	1301642-00	.82 2W 10%	WW 2	R47,R48
44	44	1315841-00	3.0 10W 5%	WW 1	R36
45	45	1300257-00	150 2W 5%	CC 1	R24
46	46	1301874-00	5.6 K 1/4W 5%	CC 1	R39
47	47	1301890-00	560 1/4W 5%	CC 3	R40,R54,R65
48	48	1301972-00	270 1/4W 5%	CC 5	R53,R64,R92,R94,R103
49	49	1302336-00	39 1/2W 5%	CC 2	R49,R60
50	50	1302391-00	20 K 1/4W 5%	CC 1	R79
51	51	1302398-00	470 K 1/4W 5%	CC 1	R100
52	52	1300172-00	10 2W 10%	CC 1	R13
53	53	1302602-00	56 1/4W 5%	CC 8	R5-R8,R14,R15,R20,R21
54	54	1301695-00	47 1/2W 5%	CC 2	R75,R135
55	55	1302388-00	2 K 1/4W 5%	CC 2	R82,R116
56	56	9107688-55	WIRE(WRAP)24AWG	UL1327 A/R	
57	57	1303179-00	8.2 K 1/4W 5%	CC 2	R52,R63
58	58	1303282-00	120 2W 5%	CC 2	R29,R71
59	59	1305396-00	56 10W 1%	WW 4	R1-R4
60	60	1305400-00	12 10W 5%	WW 2	R83,R107
61	61	1305624-00	27 2W 10%	CC 2	R59,R70
62	62	1309108-00	.1 10W 1%	WW 1	R124
63	63	1309150-14	100.0 K 1/2W20% POT	1	R42
64	64	1309143-07	1 K 3/4W10% POT 100PPM	2	R86,R104
65	65	1309143-09	5 K 3/4W10% POT 100PPM	1	R84
66	66	1309143-10	10 K 3/4W20% POT 100PPM	2	R87,R91
67	67	1309143-12	25 K 3/4W20% POT 100PPM	1	R117
68	68	1501742-00	DEC2904 PNP 600MW SI 40 40 P	2	G32,Q46
69	69	1501881-00	DEC2219 NPN 3WC SI 30100	4	G11,Q18,Q36,Q40
70	70	1505819-00	2N 3055 NPN 115WC SI 60 20 Y	1	Q19

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							TAPE MOTION POWER BOARD		K	PL	5412264-0-DBP	E

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
71	71		1503068-00	DEC3715 NPN 150WC SI 60 50 Y	5		Q1,Q3,Q9,Q15,Q39
72	72		1503409-00	DEC6534D PNP 310MW SI 40 90	10		Q22,Q26,Q29,Q30,Q37,Q41-Q43,Q45,Q48
73	73		1509338-00	DEC6531B NPN 310MW SI 40 90 P	10	CONT	Q10,Q17,Q23,Q27,Q33-Q35,Q38,Q44,Q47
74	74		1509581-00	2N 3791 PNP 150WC SI 60 30 M	7	CONT	Q2,Q8,Q13,Q16,Q20,Q24,Q31
75	75		1509604-00	DEC4923 NPN 30WC SI 80 20 M	2		Q21,Q25
76	76		1510334-00	DEC4502 PNP 200WC SI 90 25 Y	1		Q28
77	77		1510335-00	DEC 802 NPN 200WC SI 90 25 N	1		Q49
78	78		1510598-00	DEC45C8 PNP 27WT SI 60 20 Y	6		Q4-Q7,Q14,Q50
79	79	THIS ITEM IS UNUSED			0		
80	80		1510196-00	2N 5302/HSNPN 200WC SI 60 40 M	1		Q12
81	81		1905575-00	7400 NAND GATE-QUAD 2IN	1		E6
82	82		1910155-00	DEC 7408 AND GATE,POS,QUPT 2I	1		E7
83	83		1910298-00	741 OP AMP GEN PURP. COM	2		E5,E10
84	84		9007201-00	TRANSIPADS #10253	6		
85	85		1910415-00	723 VOLT.REG.VAR 2/+3	1		E4
86	86		1910645-00	75452 DRIVER,PERIPH,DUAL,	4		E1,E2,E8,E9
87	87		9008268-00	COMPOUND, THERMAL JOINT	8	A/R	
88	88		9006012-04	SCREW,BIND,SLOT, 4-40X 7/16	34		
89	89		9006557-00	NUT,KEF , 4-40X 1/4 AF	36		
90	90		9006706-00	WASHER, NYLON, FLAT #4 .375 OD	6		
91	91		9006721-00	WASHER, SPECIAL INSULATING, #294	14		
92	92		9006745-00	EYELET, ROLLED FLANGE, .120 OD X	6		
93	93		9007791-00	TERM PCB 2POS SOLDER,TURRET	12		TP2,TP3,TP5-TP14
94	94		9006632-00	WASHER,LOCK,INT,.260OD X .120ID	2		
95	95		9006746-00	EYELET, ROLLED FLANGE, .121 OD X	4		
96	96		9006010-04	SCREW,BIND,SLOT, 4-40X 5/16	4		
97	97		1110420-00	1N 5624 PIV=200 I= 5A	12		D3,D4,D6,D7,D11,D12,D16-D18,D23,D41,D61
98	98		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1	CONT	D26
99	99		9007265-00	SPACER, HEX, ALUM. 4-40, .187 X	2		
100	100		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	2		
101	101	THIS ITEM IS UNUSED			0		
102	102		1309150-04	5 K 1/2W20% POT 100PPM	1		R28
103	103		7417136-00	HEAT SINK (H607)	2		
104	104	D-CS-5412264-0-1		CIRCUIT SCHEMATIC	REF		
105	105		1910406-00	75451 DRIVER,PERIPH,DUAL,	1		E11
106	106		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	1		E3
107	107		9105740-55	WIRE(WRAP)30AWG UL1423	A/R		
108	108	D-UA-5412264-0-0		UNIT ASSEMBLY	REF		

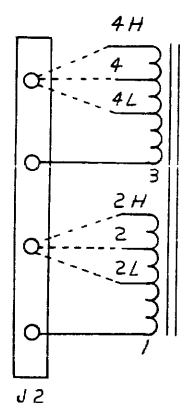
D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							TAPE MOTION POWER BOARD		K	PL	5412264-0-DBP	E

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NOTES:

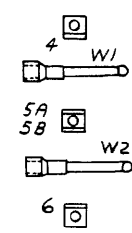
1. F2=6 1/4 AMP SB FOR 125V/60 CYCLE OPERATION. USE LITTEL FUSE P/N 3136-25.
F2=4 AMP SB FOR 250 V/50 CYCLE OPERATION.
2. ALL 5 TRANSISTORS, Q5 - Q8, Q10 ARE TO HAVE #10 AWG TUBING, 3/16" LONG, ON 4-40 SCREWS THAT HOLD TRANSISTORS TO HEAT-SINK.
3. THERMAL COMPOUND TO BE APPLIED BETWEEN HEAT SINK AND DIODES D9, D11, D12, Q5-Q8, Q10, AND D15.
4. USE ONLY BUSS SLO-BLOW FUSE MDX5 PART #9009791.
5. 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



SEE NOTE 1

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

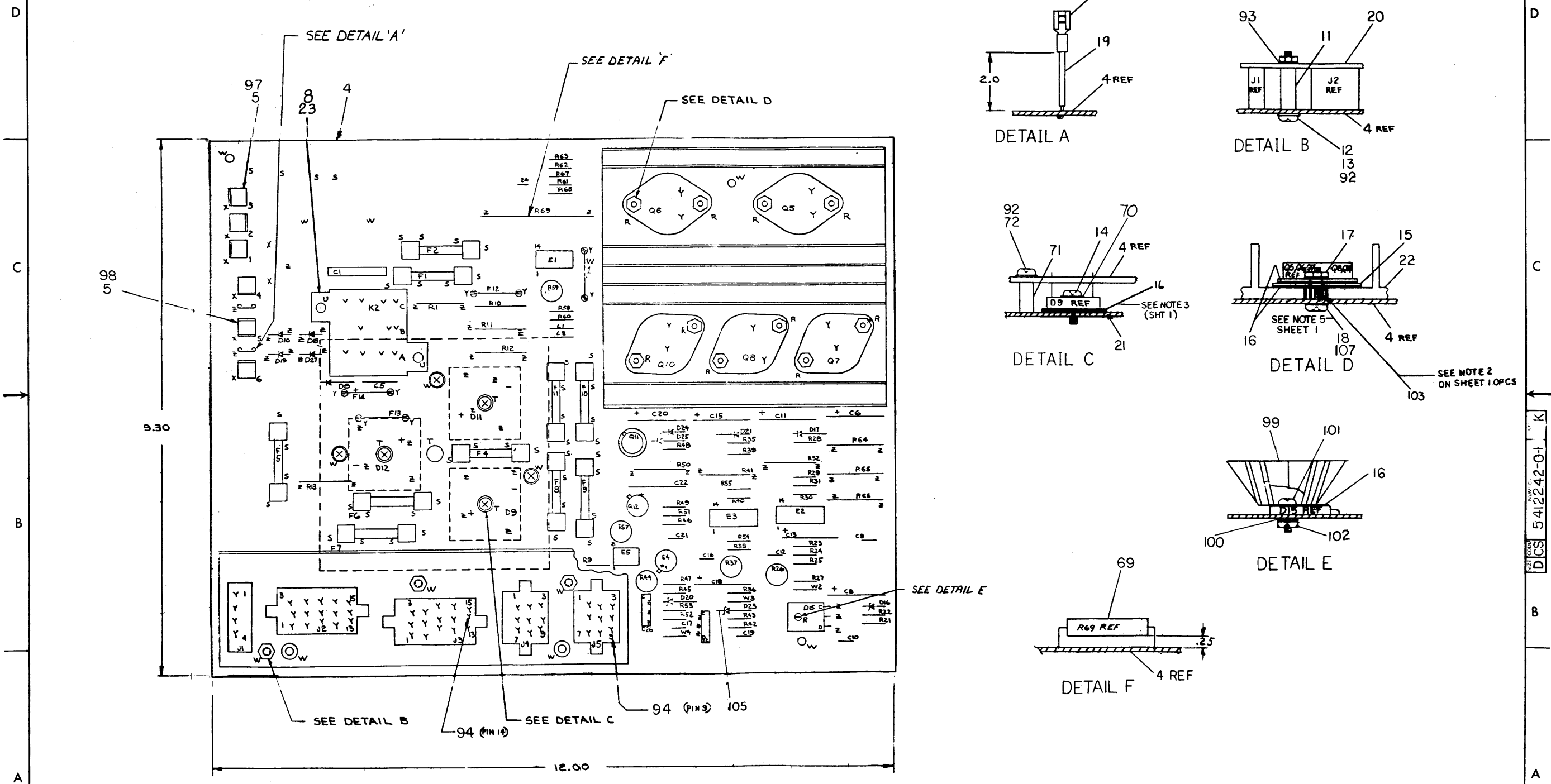


IC TYPE	GND	+5V
75451	4	8
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTS ARE STATED ABOVE		
IC PIN LOCATIONS		

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
3	R37, R26, R44	RES 1K POT	1309150-03	55
2	R39, R63	RES 56 1/4 W 5%	1302602	56
2	R38, R47	RES 2.4K 1/4 W 5%	1303177	57
1	R45	RES 2.74K 1/4 W 1%	1304868	58
3	R41, R50, R32	RES 1 2W 5% WW	1305428	59
1	R51	RES 10K 1/4 W 5%	1300479	60
1	R54	RES 8.2K 1/4 W 5%	1303179	61
3	R49, R58, R61	RES 750 1/4 W 5%	1301401	62
1	R57	RES 5K POT	1309150-4	63
1	R59	RES 500 POT 1/2 W 10%	1309150-8	64
1	R62	RES 330 1/4 W 5%	1300295	65
3	R66, R65, R64	RES .03 5W 3%	1310876-01	66
2	R65, R64	RES .05 5W 3%	1310876-03	67
5	R21, R28, R35, R48, R67	RES 100 1/4 W 5%	1300229	68
1	R69	RES 10 10W 10%	1300173	69
3		WASHER, LOCK, INTERNAL	9006633	70
4		SPACER, ROUND FIBRE #6-32	9009556	71
3		SCREW PAN HD #6-32 x 1/4	9006020-1	72
1	Q5	TRANSISTOR 2N5302	1510196	73
4	Q6, Q7, Q8, Q10	TRANSISTOR 2N3055	1505819	74
2	Q11, Q12	TRANSISTOR 2N2904A	1501913	75
3	D15, D22, D26	SCR 2N4441	1505867	76
3	E1, E2, E3	I.C. DEC 723	1910415	77
1	E4	I.C. LM304	1911555	78
1	E5	I.C. DEC 75451	1910406	79
3	W2, W3, W4	JUMPER INSULATED (.4)	9009185	80
1	F2	FUSE G 3/4 A SB	9007223	81
1	F2	FUSE 4A SB	9007220	82
1	F4	FUSE 15A SB	9007227	83
1	F5	FUSE 3.0 A SB	9007218	84
2	F6, F7	FUSE 20A	9008825	85
2	F8, F9	FUSE 5A SB	9007222	86
2	F11, F10	FUSE 3/4 A	9007210	87
3	F13, F14, F12	FUSE 15A (AXIAL LEAD)	1210929	88
1	F1	FUSE 5A SB (BUSS MDX5)	9009791	89
1	K2	RELAY	1210083	90
2	L1, L2	INDUCTOR 12 UH	1603358	91
6		WASHER NYLON	9006707	92
3		WASHER LOCK	9007801	93
2		ROLL PIN 3/8" LONG	9009370-00	94
8		SPLIT LUG	9006735	95
1	W1 (F15 LOCATION)	WIRE, BUSS, 22 AWG.	9107560-01	96
5	I THRU 4, 6	TAB FASTON	9008219	97
1		TAB FASTON	9007113	98
1		HEAT SINK	1210907	99
1		WASHER, FLAT	9006653	100
1		SCR, PAN HD #6-32 X 1/2	9006024-1	101
1		NUT, KEPS	9008185	102
A/R		TUBING, #10 AWG 3/16 LG	9107302-11	103
1	R63	RES 47 1/4 W 5%	1300202	104
A/R		CLEAR TUBING INSULATION	9107256	105
1	D12	DIODE (UNITRODE)	1113889-0	106
10		LOCKWASHER #4 INT	9006632	107
A/R		WIRE, 30 GA SOLID	9105740-55	108

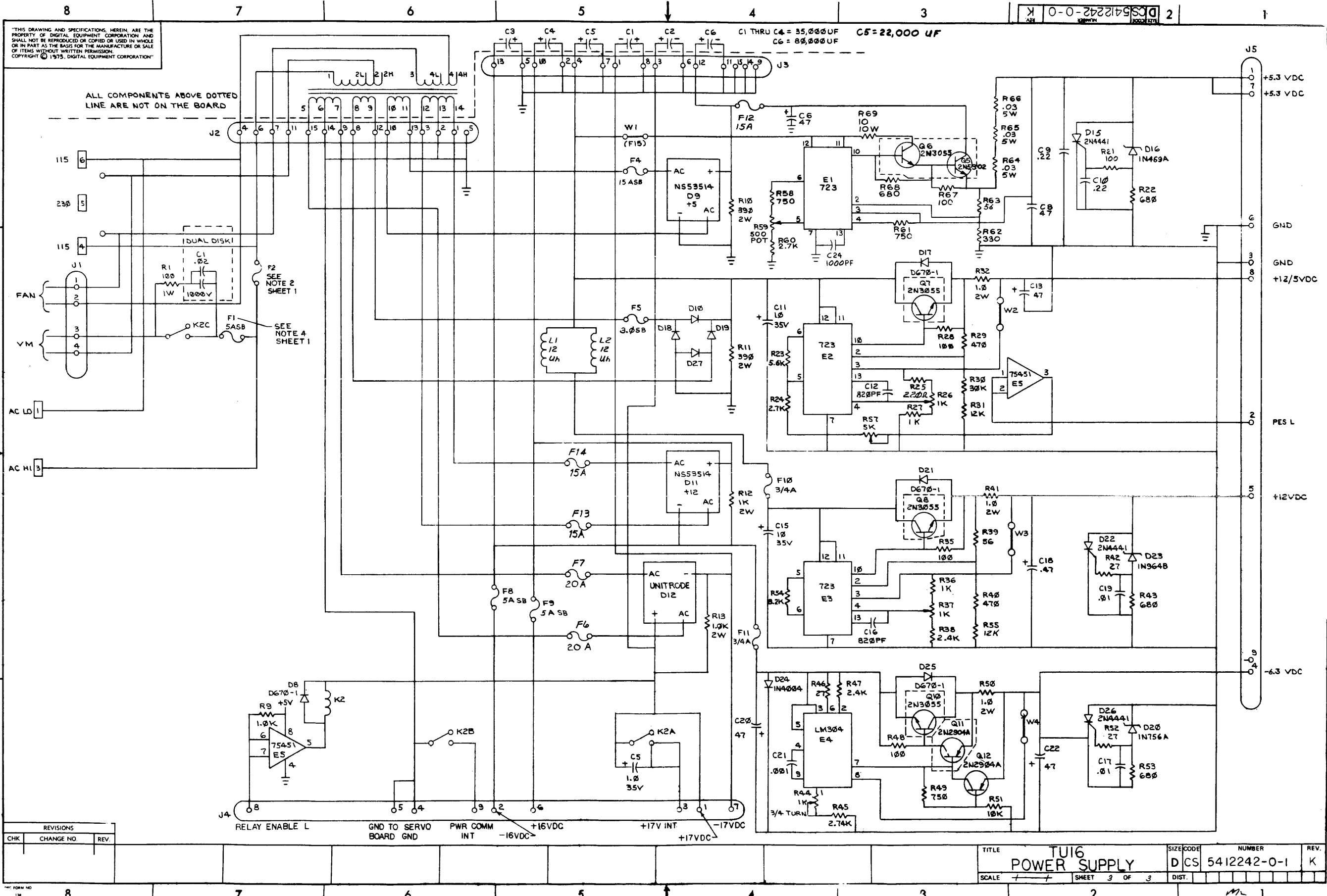
FIRST USED ON OPTION MODEL		QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.	
TU16											
ETCH BOARD REV.		A									
DRN. J. Chantier		DATE 9-14-76		CHK'D. E. Demetres		DATE 10/1/76		ENG. A. Knudsen		DATE 10/1/76	
PRD. H. Knudsen		DATE 10/1/76		PROG. H. Knudsen		DATE 10/1/76		NEXT HIGHER ASSY			
TITLE		TU16		POWER SUPPLY							
SIZE CODE		D CS		NUMBER		5412242-0-1		REV.		K	
SHEET		1 OF 3		DIST.							

DEC NO.	EIA NO.	DEC NO.	EIA NO.
1	100	2	200
3	300	4	400
5	500	6	600
7	700	8	800
9	900	10	1000



REVISIONS		
CHK	CHANGE NO	REV

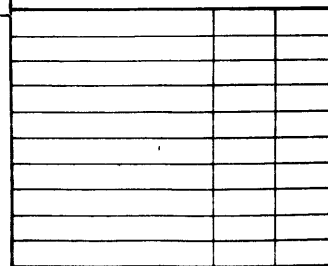
DEF TORN TWO
DIB 11-8



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE		NUMBER		REV.	
TU16		D CS		5412242-0-1		K	
SCALE		SHEET		OF		DIST.	
+		3		3			

NOTES:



DELLI, F. & C. M. L. L. L.

QTY	REF DESIGNATION	DESCRIPTION		PART NO.		ITEM NO.
PARTS LIST						
ETCH BOARD REV	C					
		DRN.	DATE	digital EQUIPMENT CORPORATION WILMINGTON, MASSACHUSETTS		
		CHND	3/4/74			
		ENG	5/1/74			
		DATE	3/1/74			
		DATE	7-2-74			
		PROJ. ENG.	DATE	TITLE GEN. PURPOSE CARD (A & B)		
		PBOD.	DATE			
		NEXT HIGHER ASSY				
DEC NO.	EIA NO.	SCALE	SIZE/COOD	NUMBER	REV.	
		1	D/Cs	M9031-0-1	C	
OR CONVERSION CHART		SHEET	OF 2	DIST.		

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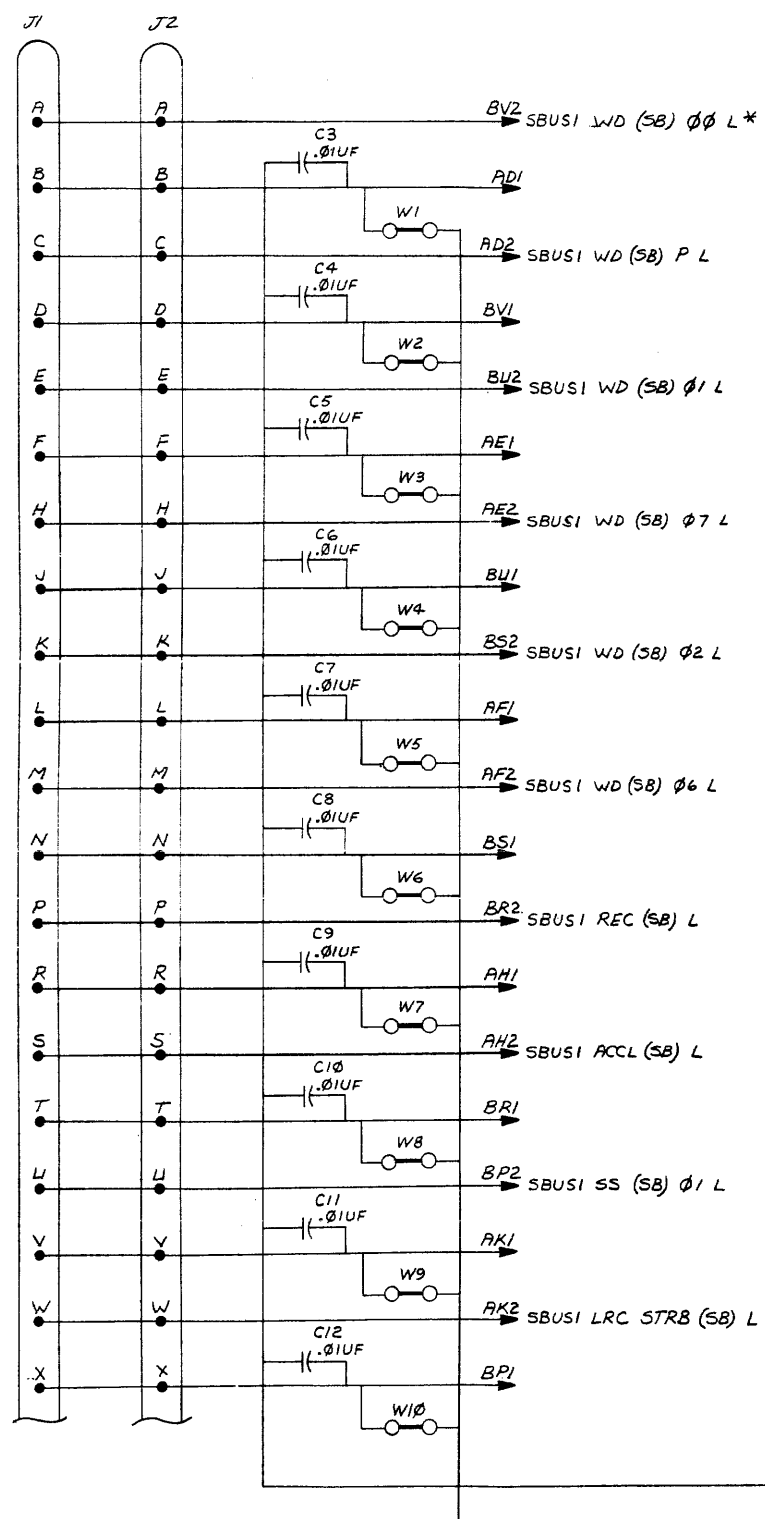
1-0-1006W SC D 2

D

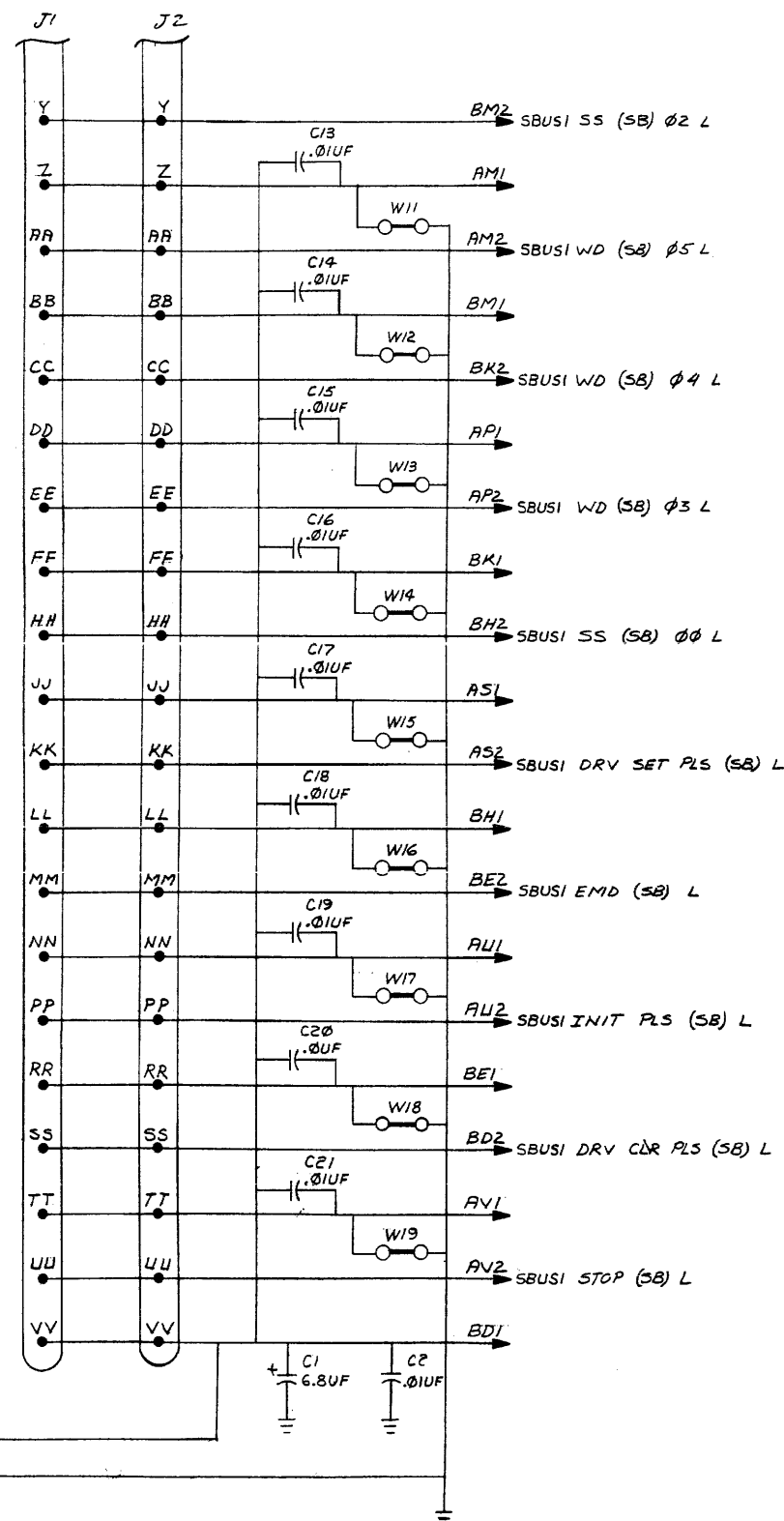
C

B

A



* NOTE: ALL SIGNALS ORIGINATE IN TM02.



D

C

B

A

REVISIONS		
CHK	CHANGE NO	REV

TITLE GEN PURPOSE CARD
(A & B)

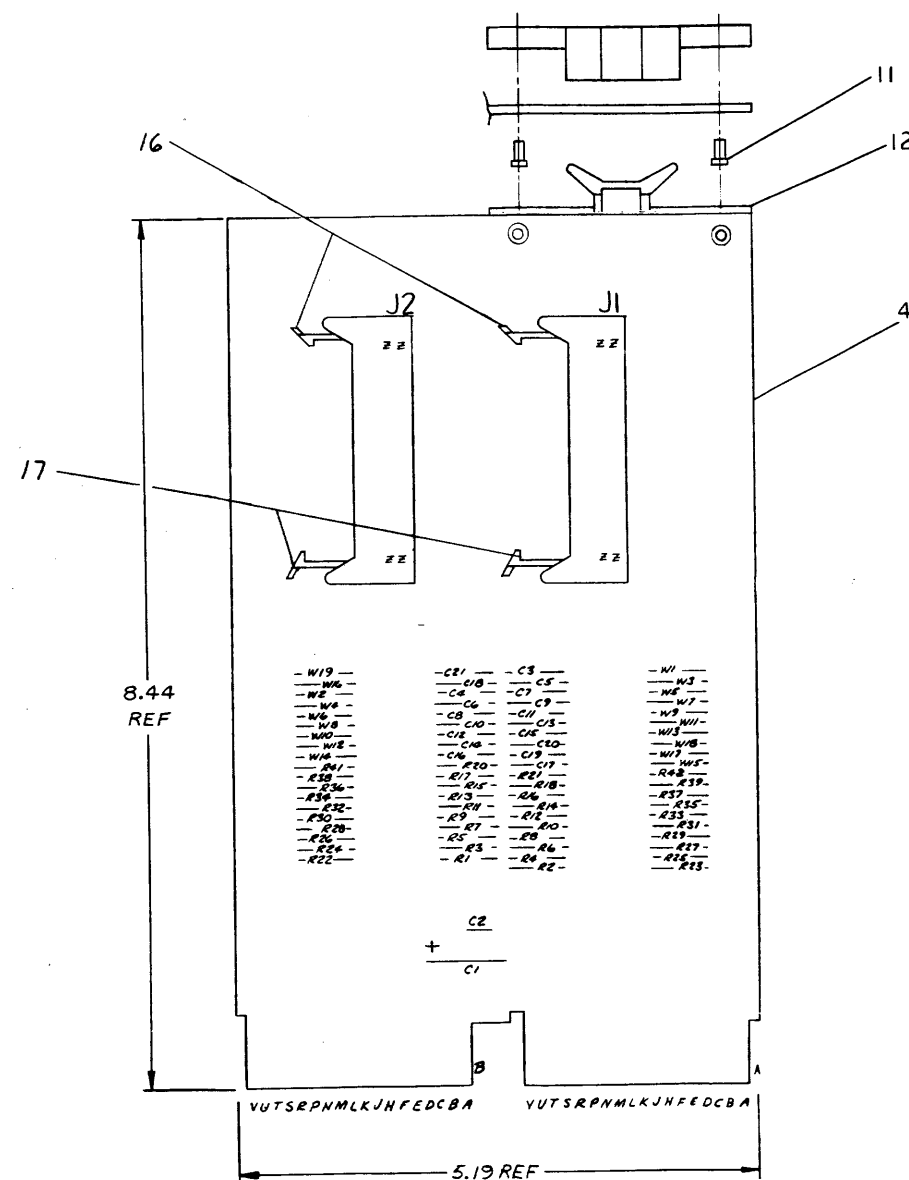
SIZE CODE
D C S

NUMBER
M9001-0-1

REV.
C

SCALE 1" = 1" SHEET 2 OF 2

NOTES:



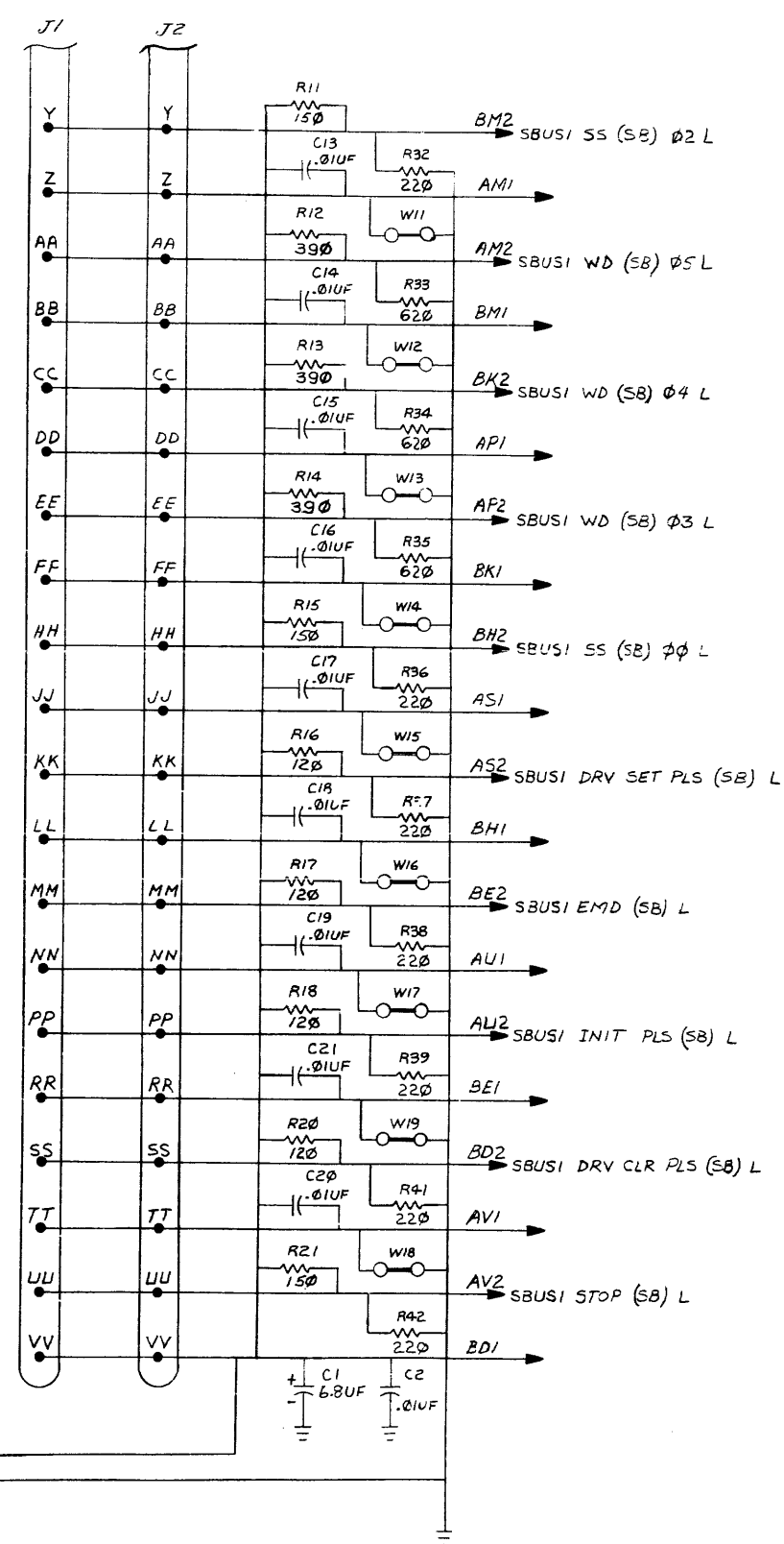
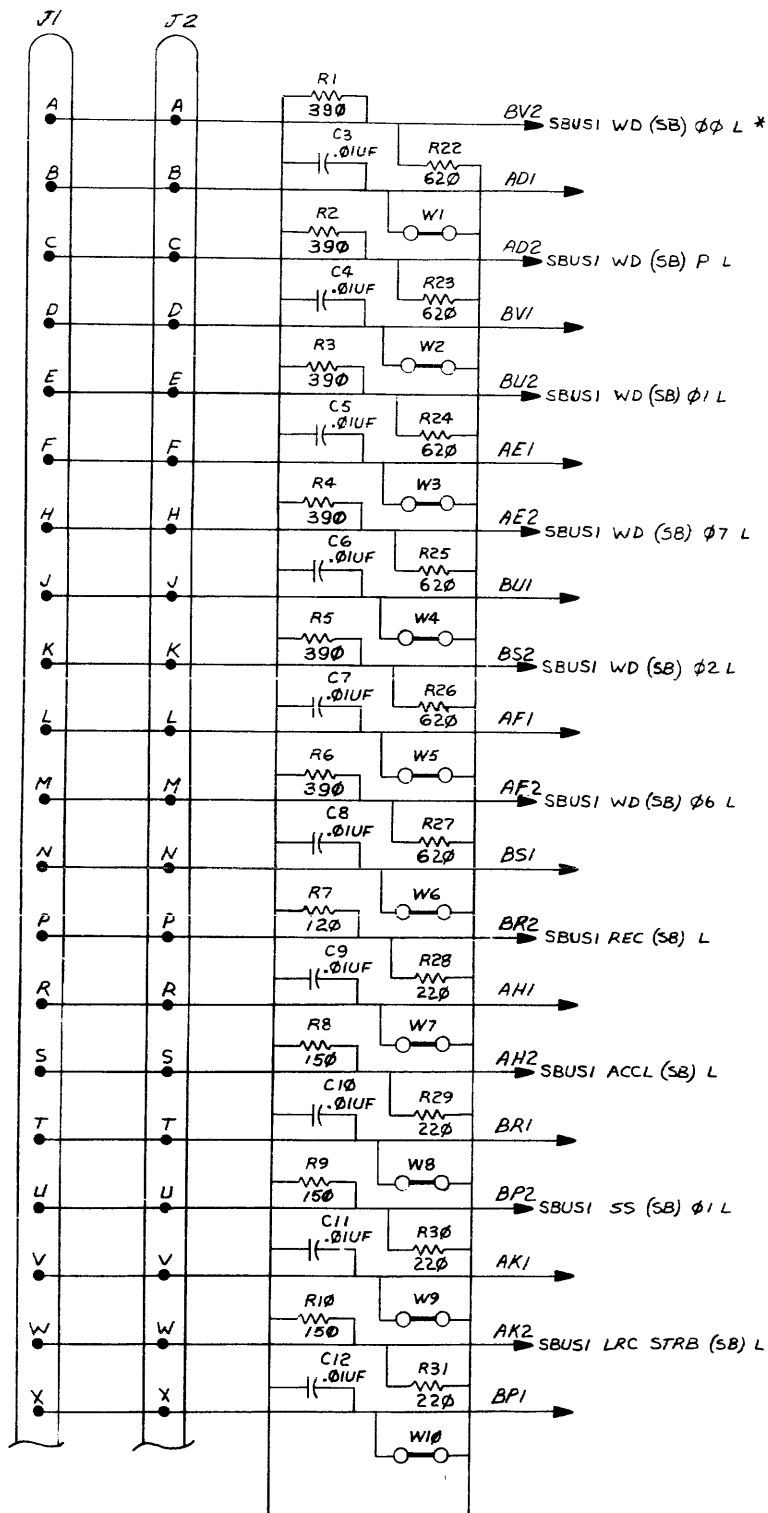
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M9001-0-4	1
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M9001-YB-5	2
REF		MODULE ECO HISTORY	B-MH-M9001-YB-6	3
1		ETCHED CIRCUIT BOARD	5010465	4
20 C2 THRU C21		CAP .01UF 100V AXIAL	1001610	5
1 C1		CAP 6.8UF 35V 10% TANT	1005306	6
5 R7, R16, R17, R18, R20		RES 120 1/4W 5%	1300247	7
11 R28-R32-R36-R39-R41-R42		RES 220 1/4W 5%	1300271	8
19 W1 THRU W19		JUMPER, INSULATED WIRE	9009185	9
2 J1, J2		CONN, 40 PIN	120994/-2	10
4		EYELET	9006732	11
2		HANDLE, FLIP-CHIP, MAGENTA	9008337-6	12
6 R8-R11, R15, R21		RES. 150, 1/4 w, 5%	1300250	13
9 R1-R6, R12-R14		RES. 390, 1/4 w 5%	1300309	14
9 R22-R27, R33-R35		RES. 620, 1/4 w 5%	1303178	15
2		CONNECTOR LATCH, LEFT	120994/-3	16
2		CONNECTOR LATCH, RIGHT	120994/-4	17

QTY	REF DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.	
MODEL								
PARTS LIST								
ETCH BOARD REV		C						
			DRN.	DATE	digital EQUIPMENT CORPORATION WATYARD MASSACHUSETTS		TITLE GEN PURPOSE CARD (A & B)	
			CH'D.	DATE				
			EKS	DATE				
			WRTY DATE	WRTY				
			PROD	DATE				
			NEXT HIGHER ASSY		SIZE CODE		NUMBER	REV.
DEC NO			EIA NO.		D/Cs		M9001-YB-1	C
SCALE			1		1			
SHEET			1		OF 2		DIST.	

[illegible]

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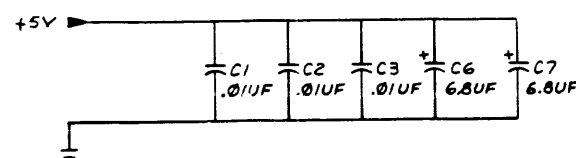
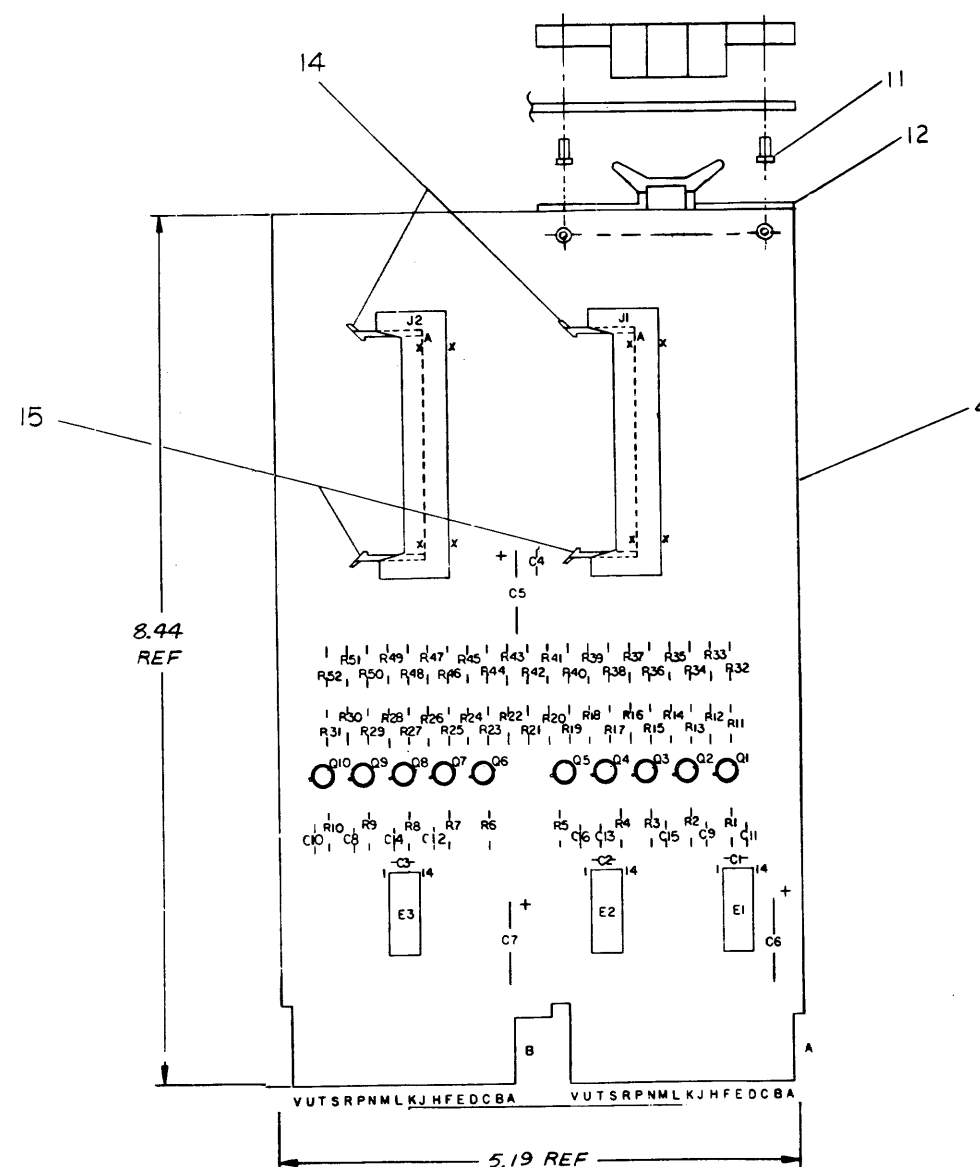
01-B-1-006665 DCS 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV.
GEN PURPOSE CARD		D	CS	M9001-YB-1		C
SCALE		SHEET 2 OF 2		DIST.		

NOTES:



IC TYPE GND +5V

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

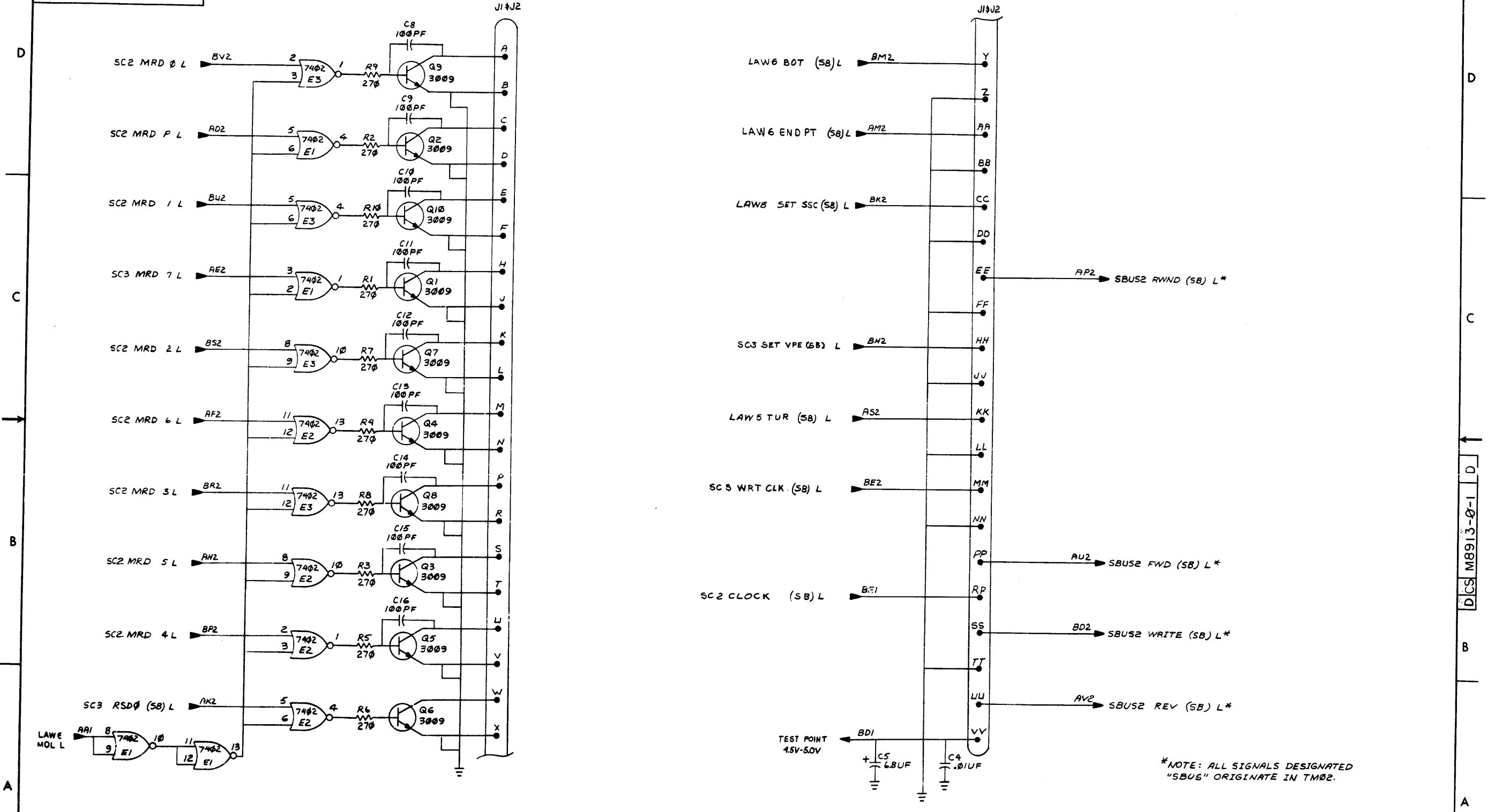
IC PIN LOCATIONS

REF	DESCRIPTION	QTY	UNIT	DATE	BY
REF	X-Y COORDINATE HOLE LOCATION	K-CO-M8913-0-4	1		
REF	ASSY/DRILLING HOLE LAYOUT	D-AH-M8913-0-5	2		
REF	MODULE ECO HISTORY	B-MH-M8913-0-6	3		
1	ETCHED CIRCUIT BOARD	5010980	4		
2	U1, U2	CONN 40 PIN	1209941-2	5	
4	C1 THRU C4	CAP .01UF 100V 20% DISK	1001610-01	6	
3	C5, C6, C7	CAP 6.8UF 35V 10% TANT	1005306	7	
3	E1, E2, E3	IC 7402	1909004	8	
10	Q1 THRU Q10	TRANSISTOR 3009B	1503100	9	
10	R1 THRU R10	RES 270 1/4W 5%	1301972	10	
4	EYELET	9006732	11		
2	HANDLE, FLIP-CHIP, MAGENTA	9008337-6	12		
9	C8 THRU C16	CAP 100PF 100V 5% DM	1000016	13	
2	CONNECTOR LATCH, LEFT	1209941-3	14		
2	CONNECTOR LATCH, RIGHT	1209941-4	15		

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	B			
DRAWN <i>J. R. Anderson</i>	DATE 9/1/79	digital EQUIPMENT CORPORATION MATHEMATICAL INSTRUMENT DIVISION		
CHECKED <i>R. C. Carberry</i>	DATE 3/6/78			
ENGINEER <i>R. J. Winkler</i>	DATE 6-6-74			
PROD. ENG. <i>[Signature]</i>	DATE [Blank]			
PROD. <i>[Signature]</i>	DATE [Blank]			
NEXT HIGHER ASSY				
DEC. NO.	EIA NO.	SHEET CODE DCS	NUMBER M8913-0-1	REV. D
FOR CONVERSION CHART		SCALE + / +	DIST.	
		SHEET 1 OF 2		

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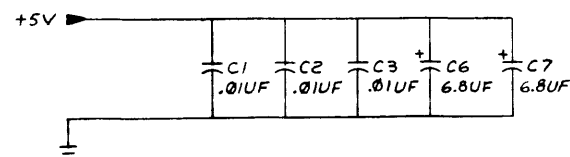
1-0-168W DCS 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE	SBUS2 DATA DRIVER (SLOT C/P)	SIZE CODE	D CS	NUMBER	M8913-0-1	REV.	D
SCALE	1	SHEET	2	OF 2	DIST.		

NOTES:



IC TYPE	GND	+ 5V
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.
PARTS LIST													
ETCH BOARD REV	B												
		DRN	<i>[Signature]</i>	DATE	3/11/74	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS							
		CHKD	<i>[Signature]</i>	DATE	3/6/74								
		ENG	<i>[Signature]</i>	DATE	3-6-74								
		PROD MGR	<i>[Signature]</i>	DATE	1-6-74								
		PROD	<i>[Signature]</i>	DATE	8-2-74								
		NEXT HIGHER ASSY				TITLE		DATA DRIVER					
								SBUS 2					
								(SLOT C/P)					
DEC NO.	EIA NO.	SCALE	<i>[Signature]</i>	SIZE CODE	NUMBER	REV.							
		SHEET 1	OF 2	D/C	M8913-YA-1	C							
R CONVERSION CHART				DIST.									

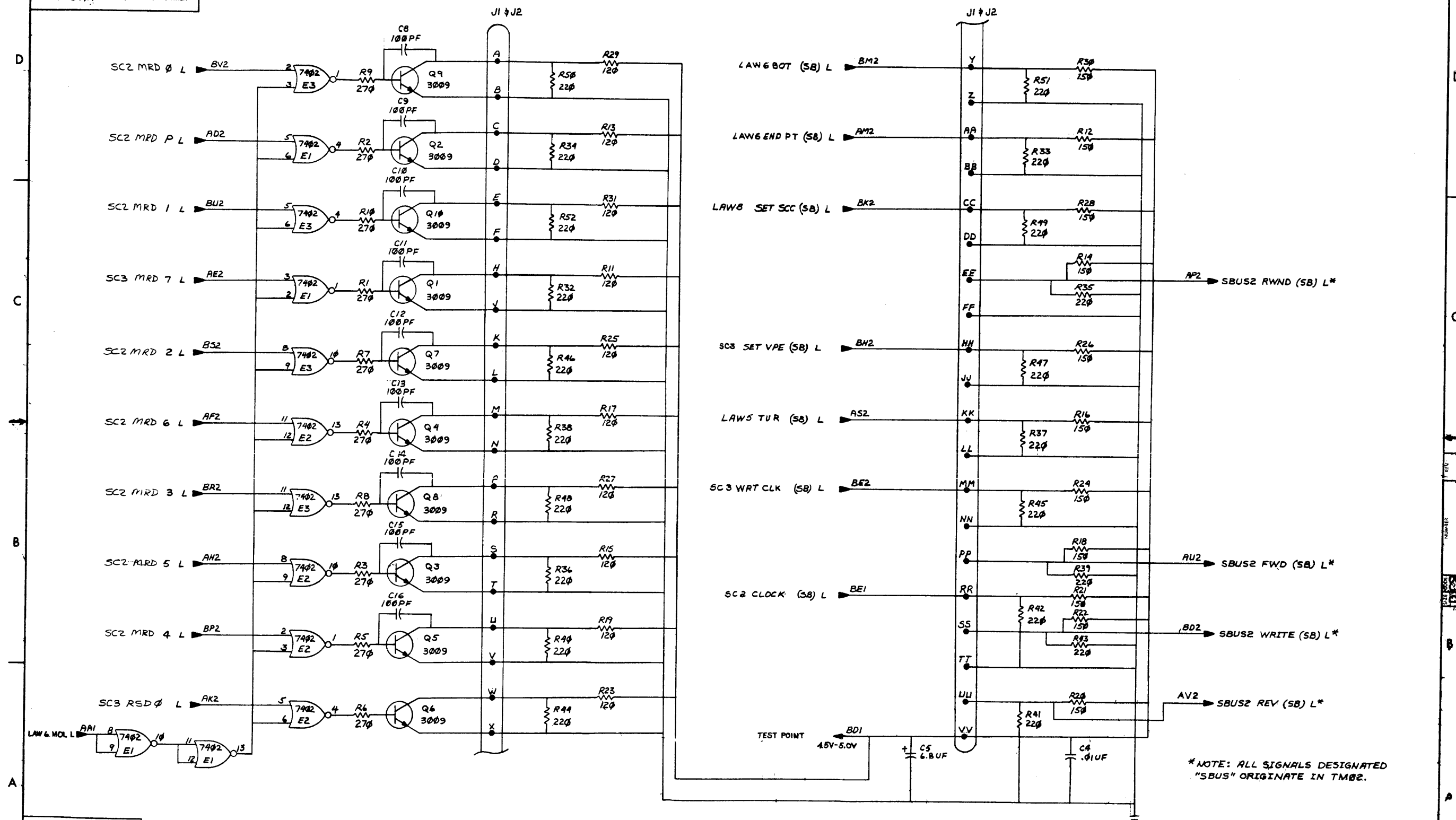
DEC FORM NO
DRO 135 B

SIZE	CODE	NUMBER	REV
D	CS	M8913-YA-1	C

B

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1-VA-1168W 530 2

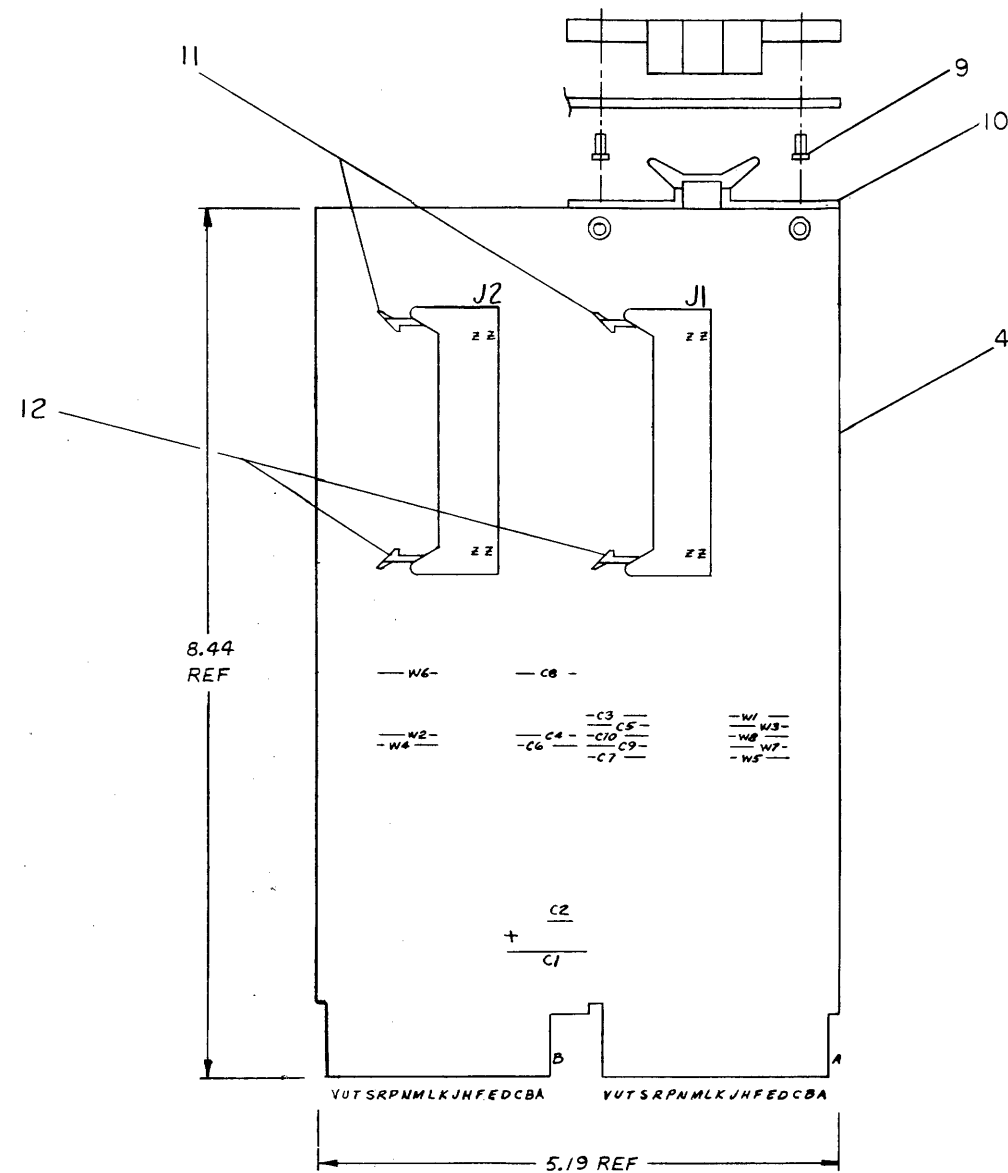


*NOTE: ALL SIGNALS DESIGNATED "SBUS" ORIGINATE IN TM82.

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	DATA DRIVER	SIZE CODE	NUMBER	REV.
SBUS 2	(SLOT C/P)	DCS	M8913-YA-1	C
SCALE	1	SHEET	2	OF 2
DIST.				

NOTES:



REF		X-Y COORDINATE HOLE LOCATION	K-CO-M9001-0-4	1
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M9001-YA-5	2
REF		MODULE ECO HISTORY *	B-MH-M9001-YA-6	3
1		ETCHED CIRCUIT BOARD	5010465	4
9	C2 THRU C10	CAP .01UF 100V 20% AXIAL	1001010	5
1	C1	CAP 6.8UF 35V 10% TANT	1005306	6
8	W1 THRU W8	JUMPER, INSULATED WIRE	9009185	7
2	J1, J2	CONN, 40 PIN	1209941-2	8
4		EYELET	9006732	9
2		HANDLE, FLIP-CHIP, MAGENTA	9008337-6	10
2		CONNECTOR LATCH, LEFT	1209941-3	11
2		CONNECTOR LATCH, RIGHT	1209941-4	12

QTY	REF DESIGNATION	DESCRIPTION										PART NO.	ITEM NO.
PARTS LIST													
ETCH BOARD REV	C												
		DRN	<i>J. Long</i>	DATE	3/4/74	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		GEN PURPOSE CARD (E & F)					
		CHKD	<i>J. Long</i>	DATE	3/5/74								
		ENG	<i>J. Long</i>	DATE	3/5/74								
		PROD	<i>R. Goren</i>	DATE	7-7-74								
		NEXT HIGHER ASSY						SIZE CODE	NUMBER	REV.			
DEC NO.	EIA NO.	SCALE	+ -		DICS		M9001-YA-i		C				
CONVERSION CHART		SHEET	1	OF	2	DIST.							

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

IC PIN LOCATIONS

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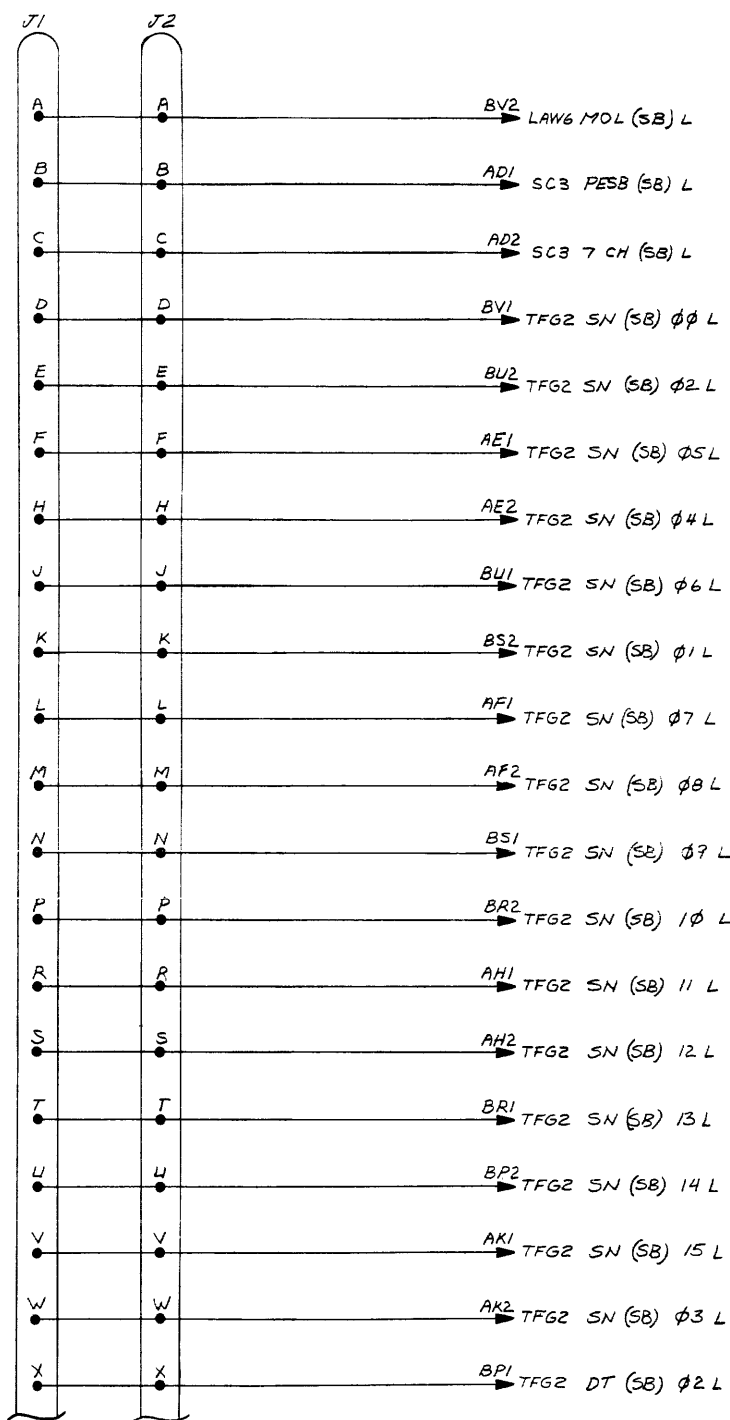
CS M9001-YA-1 2

D

C

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

REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 000 138

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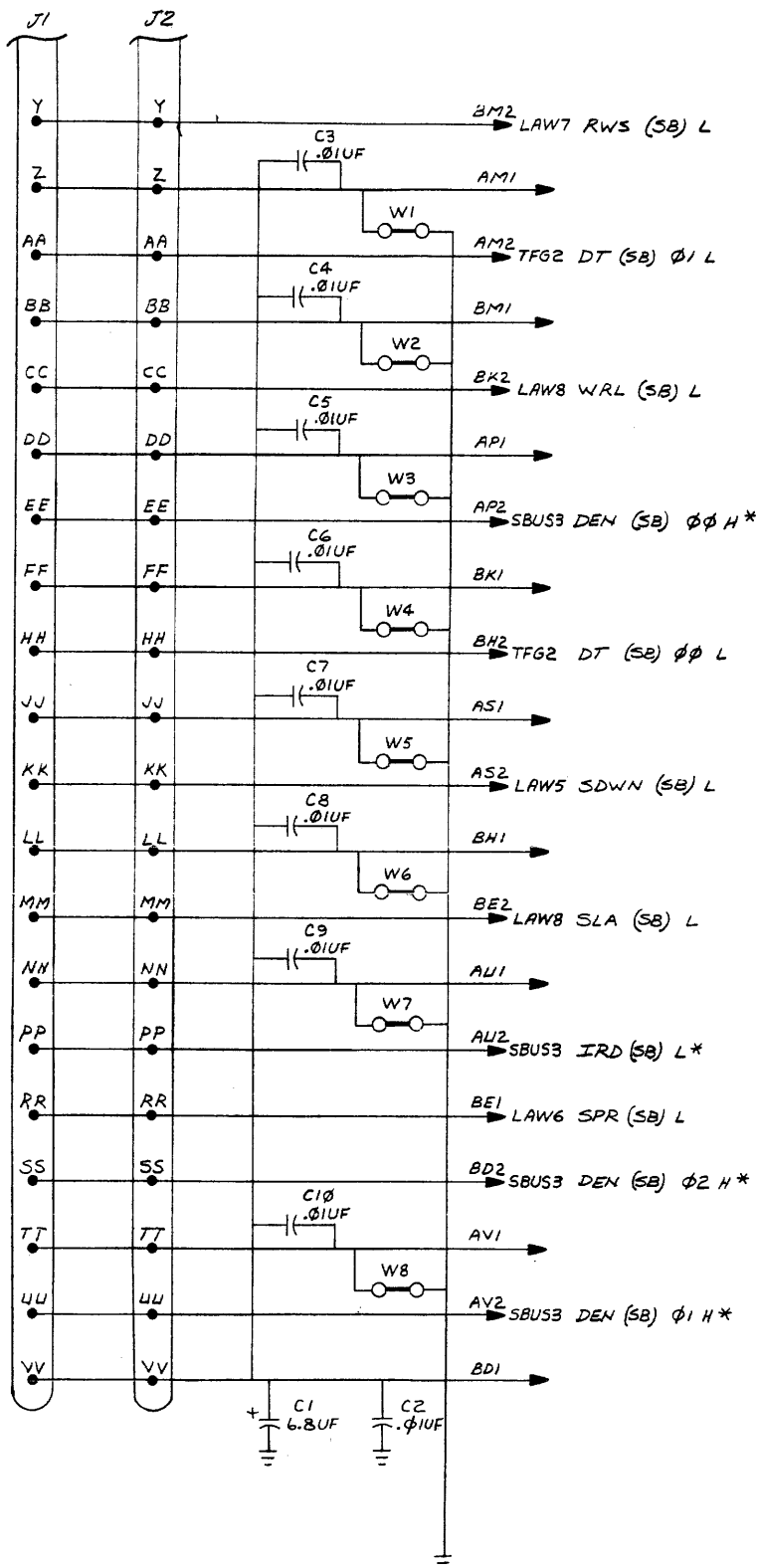
5

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C

B

A

CS M9001-YA-1

TITLE GEN PURPOSE CARD (E & F)

SIZE CODE D CS

NUMBER M9001-YA-1

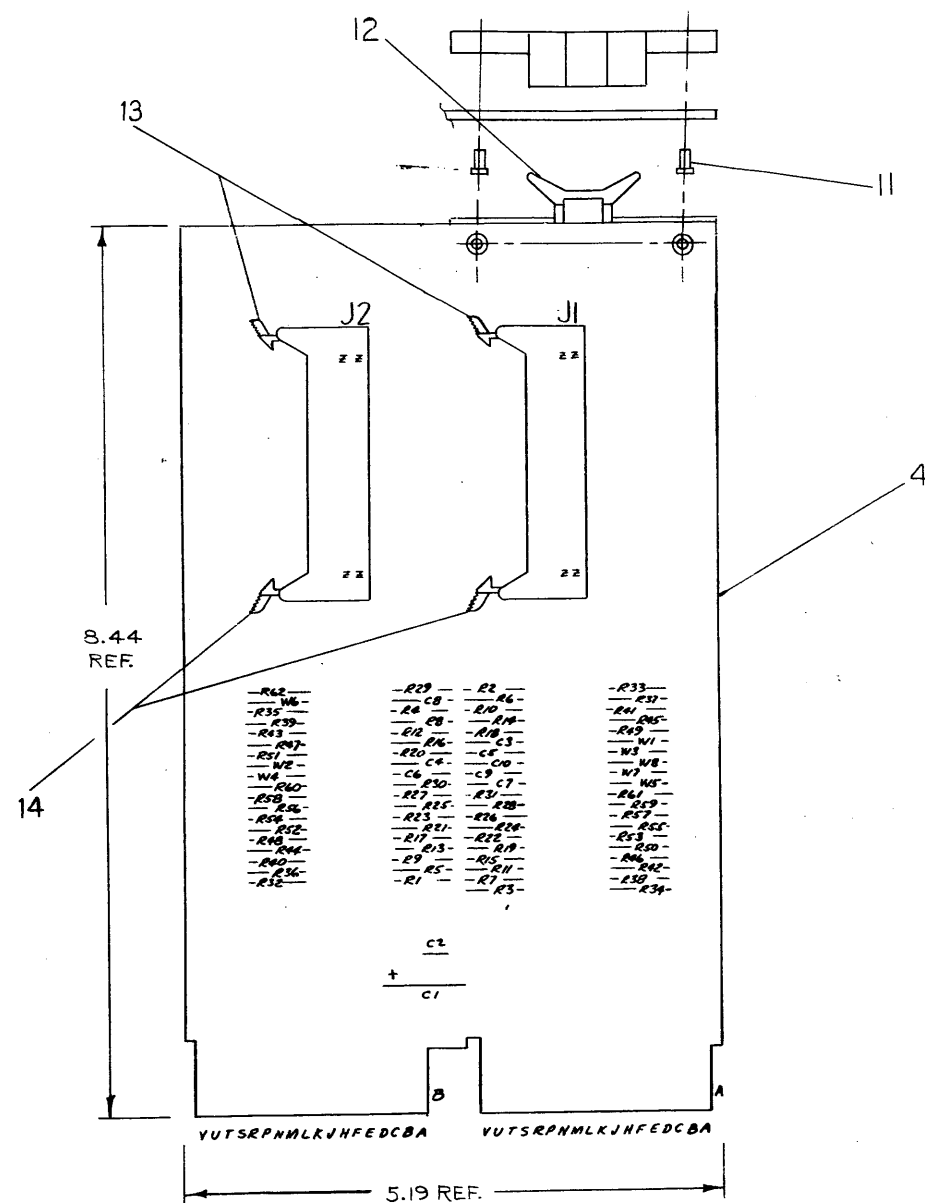
REV. C

SCALE 1" = 1" SHEET 2 OF 2

DIST.

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NOTES:



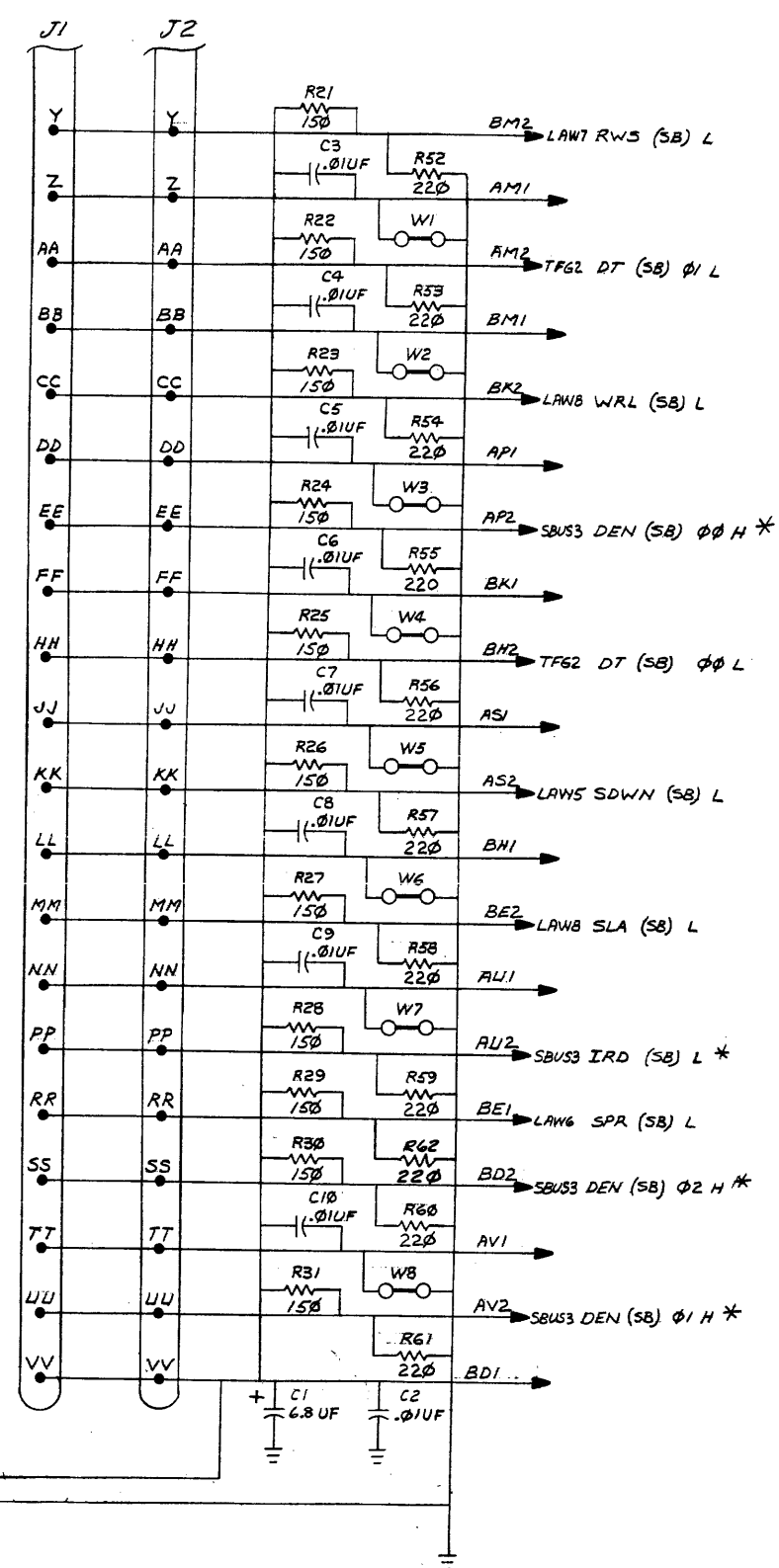
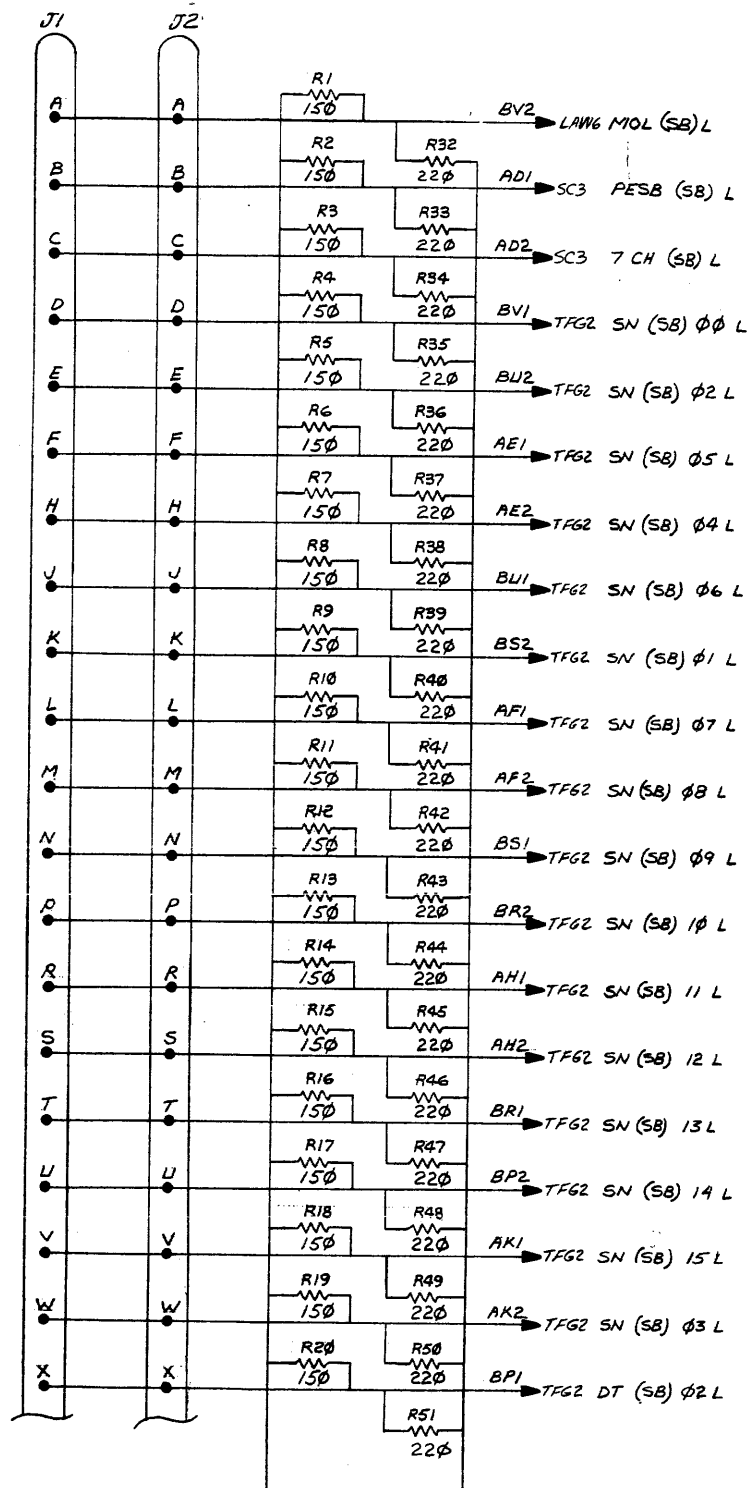
REF		X-Y COORDINATE HOLE LOCATION	KCO-M9001-0-4	1
REF		ASSY/DRILLING HOLE LAYOUT	DAH-M9001-YC-5	2
REF		MODULE ECO HISTORY	B-MH-M9001-YC-6	3
1		ETCHED CIRCUIT BOARD	5010465	4
9	C2 THRU C10	CAP .01UF, 100V AXIAL	1001610	5
1	C1	CAP 6.8UF, 35V, 10% TANT	1005306	6
31	R1 THRU R31	RESISTOR 150-1/4W 5% CC	1300250	7
31	R32 THRU R62	RESISTOR 220-1/4W 5% CC	1300271	8
8	W1 THRU W8	JUMPER, INSULATED WIRE	9009185	9
2	J1, J2	CONN. 40 PIN, RT. ANGLE HEADER	1209941-2	10
4		EYELET	9006732	11
2		HANDLE, FLIP-CHIP, MAGENTA	9008337-6	12
2		LATCH, CONNECTOR LEFT	1209941-3	13
2		LATCH, CONNECTOR RIGHT	1209941-4	14

QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO
FIRST USED ON OPTION MODEL				
TU16				
ETCH BOARD REV C				
PARTS LIST				
DRN	DATE	digital EQUIPMENT CORPORATION		
CHD	DATE	DAKOTA, MINNESOTA		
ENG	DATE	TITLE		
PROJ. ENG.	DATE	GEN PURPOSE CARD		
PROD.	DATE	(E+F)		
NEXT HIGHER ASSY		SIZE/CODE	NUMBER	REV.
		DCS	M9001-YC-1	C
SCALE		SHEET 1 OF 2		
SEMICONDUCTOR CONVERSION CHART		DIST.		

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

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DCS M9001-YC-1 2



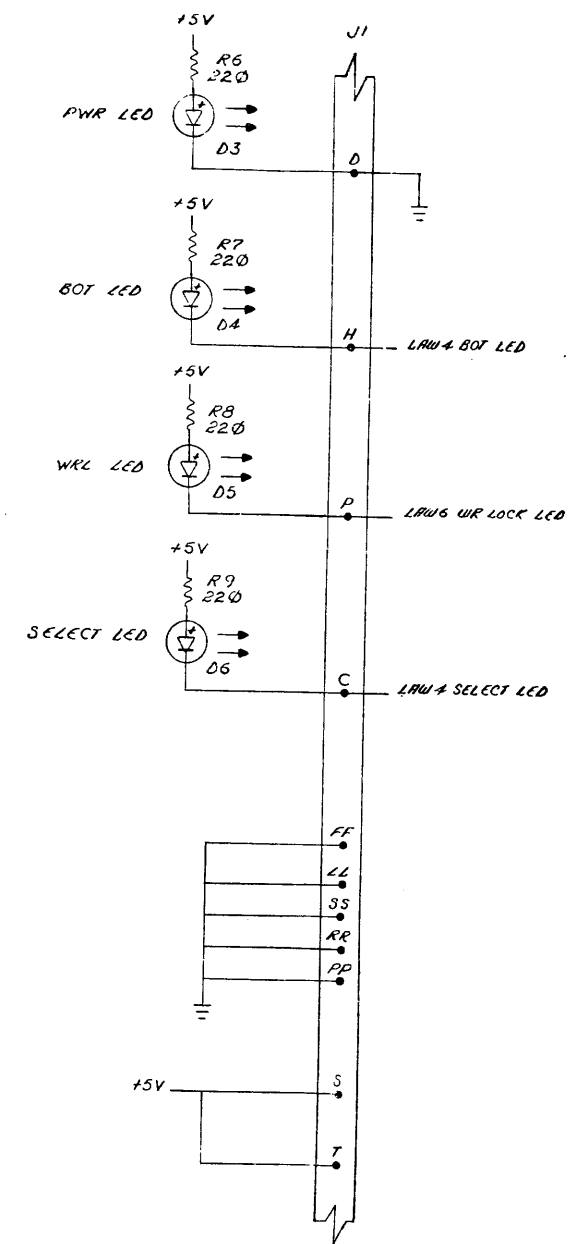
* NOTE: ALL SIGNALS DESIGNATED "SBUS" ORIGINATE IN TM02.

REVISIONS		
CHK	CHANGE NO.	REV.

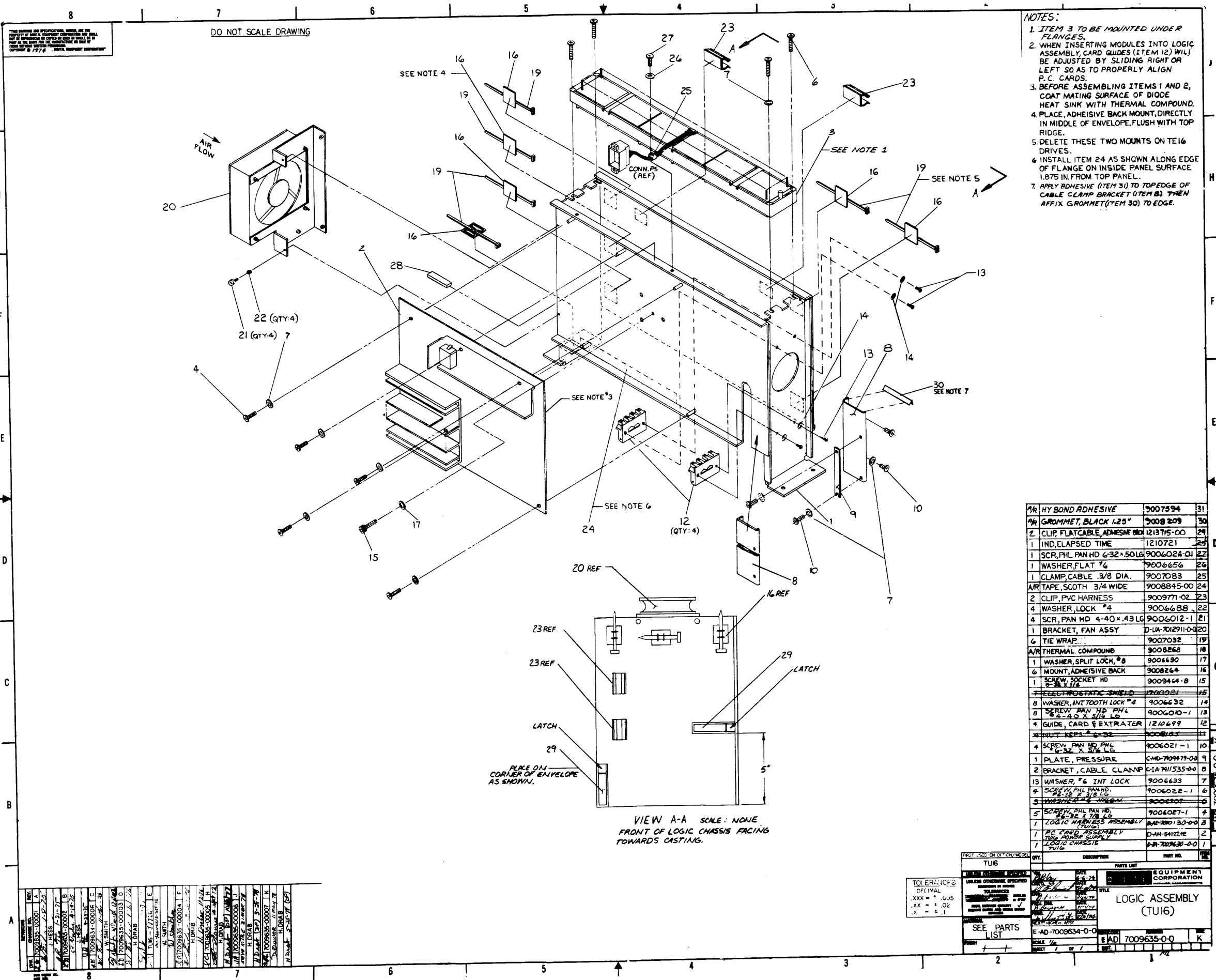
TITLE GEN PURPOSE CARD (E & F) SIZE CODE DCS NUMBER M9001-YC-1 REV. C

SCALE 1:1 SHEET 2 OF 2 DIST. 1

DATE	5/17	5412347-0001	B
TIME			
NAME	P. Jones	10 MAY 77	
ROOM	H. DRAB		
REMARKS	SHEETS 27 MAY 77		



DRN. <i>James P. Davis</i>	Inv. <i>10-1-76</i>	FIRST USED ON	DISCLOSURE
CHKD. <i>James P. Davis</i>	RECEIVED <i>10-1-76</i>	TU I6W	
ENG. <i>W. H. B.</i>	<i>12/21/73</i>	TITLE	
PROJ. ENG. <i>W. H. B.</i>	<i>12/21/73</i>	TU-I6W SWITCH BOX (CTRL1)	
PROD. <i>A. H. H. H.</i>	<i>10 DEC 76</i>		
NEXT HIGHER ASSY.			
B-DD-5412347-0		SIZE CODE	NUMBER
SCALE NONE		CS	5412347-0-1
SHEET	OF	DIST.	REV. B



- 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 8) THEN AFFIX GROMMET (ITEM 30) TO EDGE.

HY BOND ADHESIVE	9007594	31
GROMMET, BLACK 1/25"	9008209	30
CLIP, FLAT CABLE ADHESIVE	1213715-00	29
IND. ELAPSED TIME	1210721	28
SCR, PHIL PAN HD 6-32 X 50 LG	9006024-01	27
WASHER, FLAT #6	9006656	26
CLAMP, CABLE 3/8 DIA.	9007083	25
TAPE, SCOTCH 3/4 WIDE	9008845-00	24
CLIP, PVC HARNESS	9009771-02	23
WASHER, LOCK #4	9006688	22
SCR, PAN HD 4-40 X .43 LG	9006012-1	21
BRACKET, FAN ASSY	D-1A-7012911-0-020	20
TIE WRAP	9007032	19
THERMAL COMPOUND	9008268	18
WASHER, SPLIT LOCK #8	9006630	17
MOUNT, ADHESIVE BACK	9008264	16
SCREW, SOCKET HD 8-32 X 1/2	9009464-B	15
ELECTROSTATIC SHIELD	9006031	14
WASHER, INT TOOTH LOCK #6	9006632	13
SCREW, PAN HD PHIL 8-32 X 5/16 LG	9006010-1	12
GUIDE, CARD EXTRACTER	1210699	11
PLATE KEYS 6-32	9008133	10
SCR, PAN HD PHIL 6-32 X 5/16 LG	9006021-1	9
PLATE, PRESSURE	CMD-7009771-00	8
BRACKET, CABLE CLAMP	C-1A-711/535-00	7
WASHER, #6 INT LOCK	9006633	6
SCR, PHIL PAN HD 8-32 X 5/16 LG	9006022-1	5
WASHER, #6 INT LOCK	9006633	4
SCR, PHIL PAN HD 8-32 X 5/16 LG	9006021-1	3
LOGIC HARNESS ASSEMBLY	BA-700130-00	2
P.C. CARD ASSEMBLY	D-1A-511224	1
LOGIC CHASSIS	D-1A-700630-00	0

TOLERANCES UNLESS OTHERWISE SPECIFIED	
XXX = .005	
XX = .02	
X = .1	
SEE PARTS LIST	
EQUIPMENT CORPORATION	
LOGIC ASSEMBLY (TUI6)	
E-AD-7009634-0-0	
EAD 7009635-0-0	

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REVISIONS		CHANGE NO.	REV.
CHK	TUI6-00010	A	
28	G. Doyle 5-5-75		
	J. HESS		
	J. R. 5-7-75		
28	TUI6-00013	B	
	G. Doyle 7-25-75		
	J. HESS		
	John P. 7-10-75		
28	TUI6-00021	C	
	P. Brown 25 JUNE 76		
	H. DRAB		
	28 Jul 76		
28	TUI6-00022	D	
	H. Drab 2 Aug 76		
	H. DRAB		
	2 Aug 76		
AK	TUI6-00027	E	
K.T.	TUI6-00030	F	
	D. Chionom 3 MAR. 77		
	H. DRAB		
	H. Drab 3-4-77		

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUI6					
PARTS LIST					
DRN.	D. Chionom		DATE	2/20/74	
CHK'D.	D. Chionom		DATE	2/29/74	
ENG.	J. R. Hess		DATE	2-20-74	
PROG. ENG.	J. R. Hess		DATE	2-20-74	
PROD.	D. Chionom		DATE	5-31-74	
NEXT HIGHER ASSEMBLY					
D-AD-7009605-0-0					
SCALE	+ - -		SIZE CODE	K WL	
SHEET	1 OF 1		DIST.		
			NUMBER	TUI6-Ø-WL	
			REV.	F	

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

WIRE LIST
(TUI6)

FIRST USED ON OPTION/MODEL			QTY.	DESCRIPTION	PART NO.	ITEM NO.
TE16			PARTS LIST			
DIMENSIONAL TOLERANCE			DRN.	DATE	digital	
DIMENSIONS ARE <u>MILLIMETERS</u>			GMK'D	DATE		
UNLESS OTHERWISE SPECIFIED			ENG.	DATE		
<u>MILLIMETERS</u>	<u>INCHES</u>	<u>ANGLES</u>	PROD. ENG.	DATE	TITLE MODULE UTILIZATION	
JXXK ±0.10 X.X ±0.8 X ±2.3	JXXK ±2.00B X.X ±2.25 X ±2.1	10° 30'	PROD. ENG.	DATE		
			PROD.	DATE		
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		RC. (Sd)	DATE		
MATERIAL			NEXT HIGHER ASSY.			
FINISH			D-UA-TE16-0-0		SIZE CODE NUMBER REV.	
			SCALE		D MU TE16-0-MU	
			SHEET OF		DIST.	

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TMØ2
M89Ø7

TUI6 MIDDLE
OF BUS
M9ØØ1

TUI6 END
OF BUS
M9ØØ1-YB

ORIENT THE STRIPED EDGE OF THE CABLE

BCØ6R CABLE

SLAVE BUS A

SLOT Ø1 A/B

SLOT Ø1 A/B

SLOT Ø1 A/B

SLAVE BUS B

SLOT Ø2 A/B

SLOT Ø1 C/D

SLOT Ø1 C/D

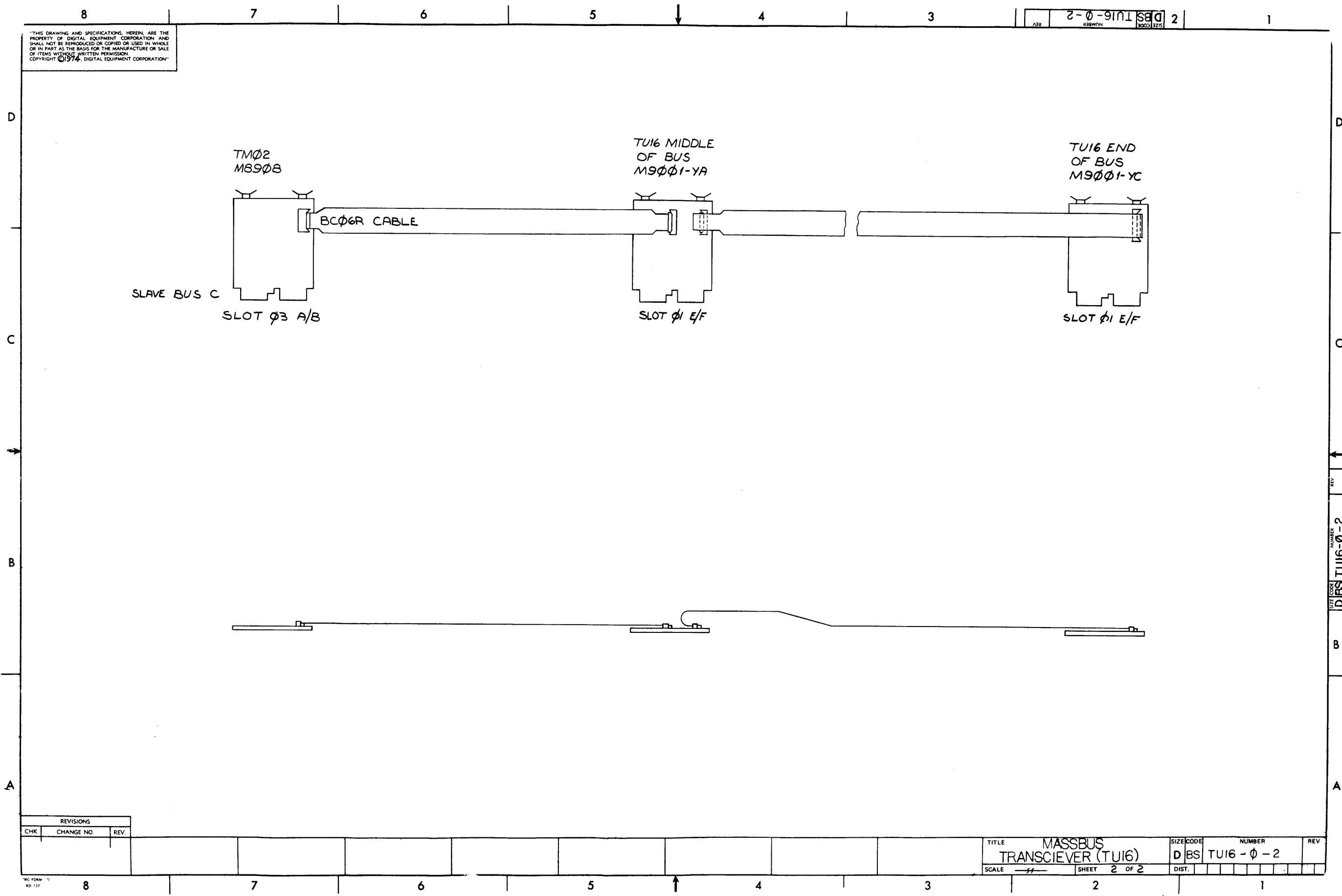
M89Ø8-YA

M8913

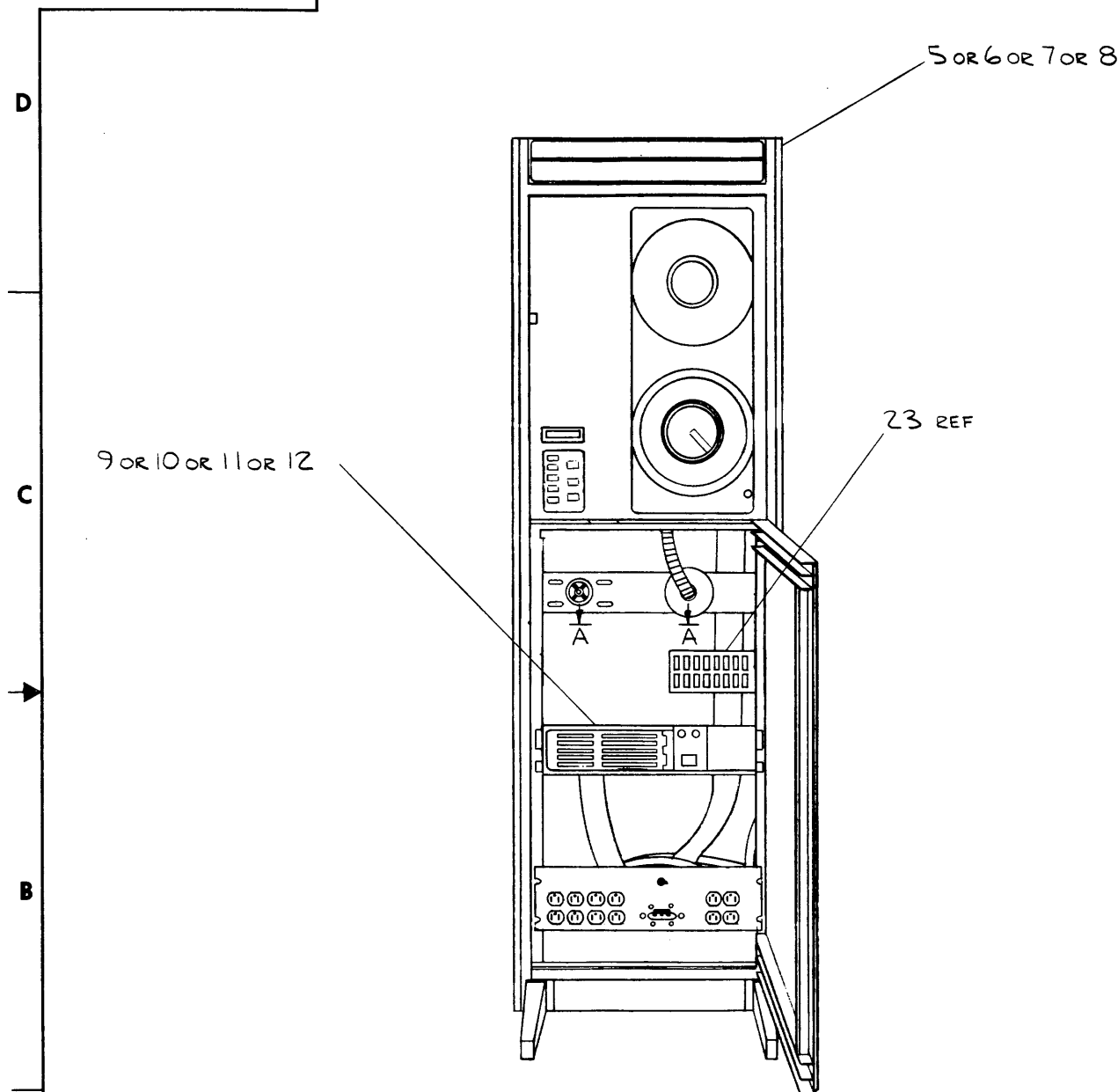
M8913-YA

BCØ6R CABLE

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUI6					
DIMENSIONAL TOLERANCE		DRN	DATE	PARTS LIST	
DIMENSIONS ARE INCHES		CHK'D	DATE	digital	
UNLESS OTHERWISE SPECIFIED		ENG	DATE	TITLE	
MILLIMETERS	INCHES	ANGLES	DATE	MASSBUS	
X.XX ±.01	.XX ±.005	30° 30'	DATE	TRANSCIEVER	
X.X ±.02	.X ±.001		DATE	(TUI6)	
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE	REV.	
MATERIAL		FINISH	DATE	B-00-TUI6-Ø	
SCALE		SHEET	OF 2	DIST.	



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FRONT VIEW

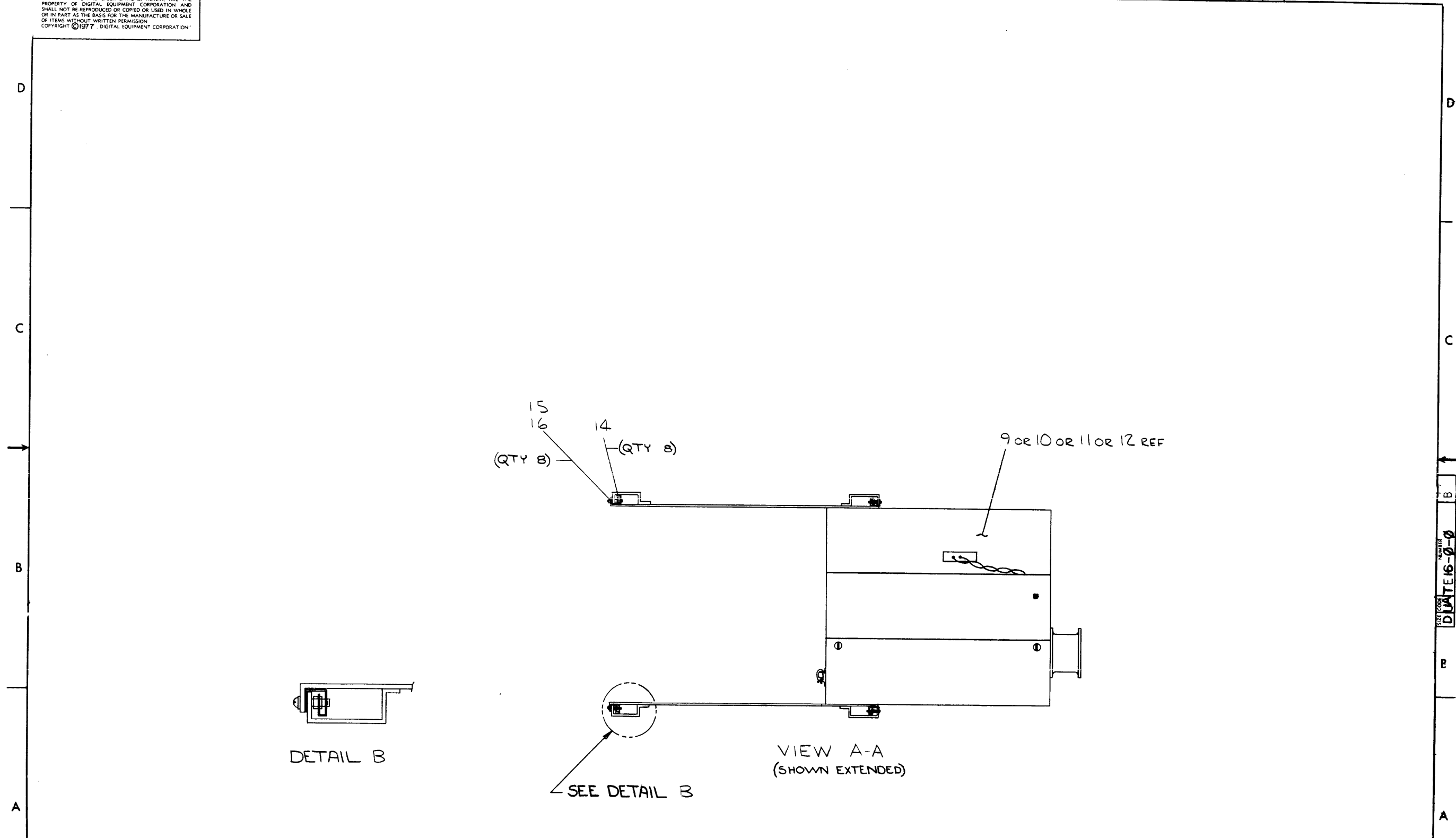
NUMBER	LEGEND	
	VARIATION	VOLTAGE
TE16-EA	TE16-EE ξ TM03/TM02-FA	115V, 60HZ
TE16-EB	TE16-EF ξ TM03/TM02-FB	230V, 60HZ
TE16-EC	TE16-EH ξ TM03/TM02-FA	115V, 50HZ
TE16-ED	TE16-EJ ξ TM03/TM02-FB	230V, 50HZ
TE16-EK	TE16-EE ξ TM03/TM02-FC	115V, 60HZ
TE16-EL	TE16-EF ξ TM03/TM02-FD	230V, 60HZ
TE16-EM	TE16-EH ξ TM03/TM02-FC	115V, 50HZ
TE16-EN	TE16-EJ ξ TM03/TM02-FD	230V, 50HZ
TE16-AA	TE16-AE ξ TM03/TM02-FA	115V, 60HZ
TE16-AB	TE16-AF ξ TM03/TM02-FB	230V, 60HZ
TE16-AC	TE16-AH ξ TM03/TM02-FA	115V, 50HZ
TE16-AD	TE16-AJ ξ TM03/TM02-FB	230V, 50HZ

NOTES:

1. INFORMATION FOR CONNECTING THE CABLES TO THE TAPE TRANSPORT - REFER TO D-MU-TU16-0-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/TM03 LOGIC BOX TO BE CONNECTED TO PWR SUPPLY TRANS-CAP ASSY.
4. FOR MTG INFO. SEE SHT. 4.

REV	CHG	DATE	BY	APP
A				
B				
C				
D				

THIRD ANGLE PROJECTION		QUANTITY & VARIATION		OFF SHEET PARTS LIST REFER TO C-PL-TE16-0-0	
REMOVE BURRS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		FIRST USED ON	
MATERIAL		FINISH		TITLE	
B-DD-TE16-0		SCALE		MAG TAPE DRIVE (TE16)	
SHEET		OF 5		REV.	
DIST.		OF 5		B	



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NOTES:

- FOR INFORMATION ON SLAVE UNITS TEIG-AE, TEIG-AF, TEIG-AH & TEIG-AJ SEE D-UA-TEIG-A-0 AND C-PL-TEIG-A-0.
- PUT "PUSH DECAL" IN LINE WITH CHASSIS TRACK BOTH SIDES.

LOCATION OF TINNERMAN NUTS (ITEM #14)

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

FRONT HOLE NUMBERS	REAR HOLE NUMBERS
RIGHT SIDE: 21 [#] , 22 [#] , 14 [#] , 17 [#]	RIGHT SIDE: 14 [#] , 17 [#] , 21 [#] , 22 [#]
LEFT SIDE: 21 [#] , 22 [#]	LEFT SIDE: 21 [#] , 22 [#]

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

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

THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i>	FIRST USED ON	TE16	digital
REMOVE BURS AND BREAK SHARP CORNERS	CHK'D. <i>[Signature]</i>	TITLE	MAG TAPE DRIVE (TE16)	
DO NOT SCALE DWG	PROJ. ENG. <i>[Signature]</i>	SIZE	B-DD-TE16-0	CODE
MATERIAL	PROD. <i>[Signature]</i>	SCALE	NONE	NUMBER
FINISH	NEXT HIGHER ASSY.	SHEET	3 OF 5	DIST.

QUANTITY & VARIATION	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
MEDIUM	☒	±.004	±.008	±.012	±.018	±.024	±.04	±.04
PREFERRED	☐	±.012	±.016	±.025	±.04	±.063	±.1	±.1

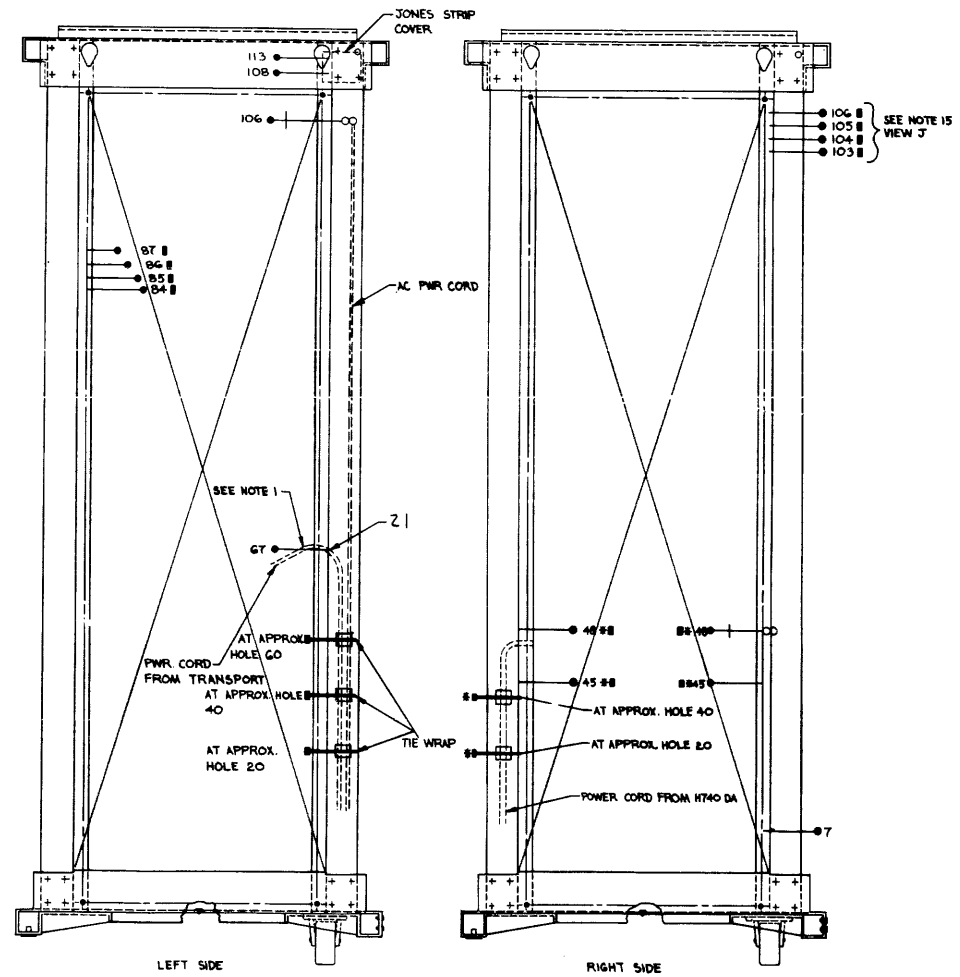
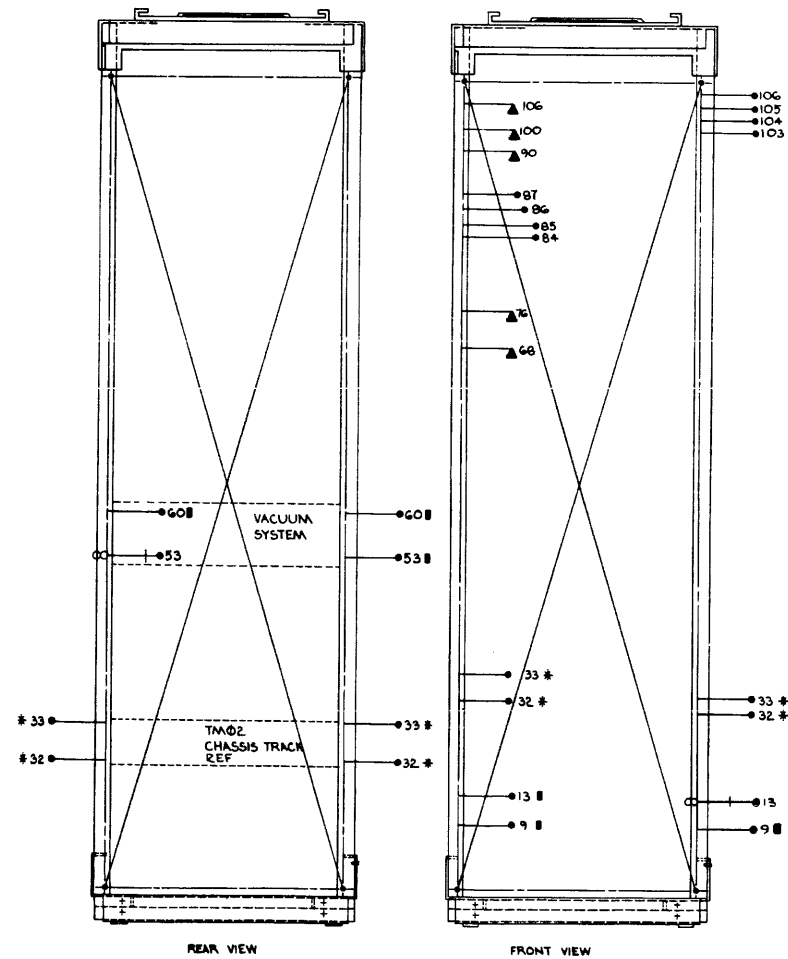
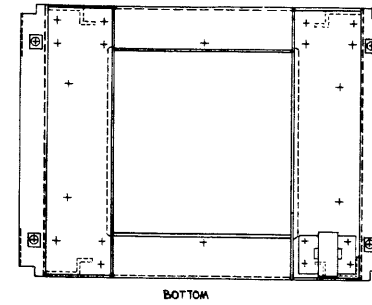
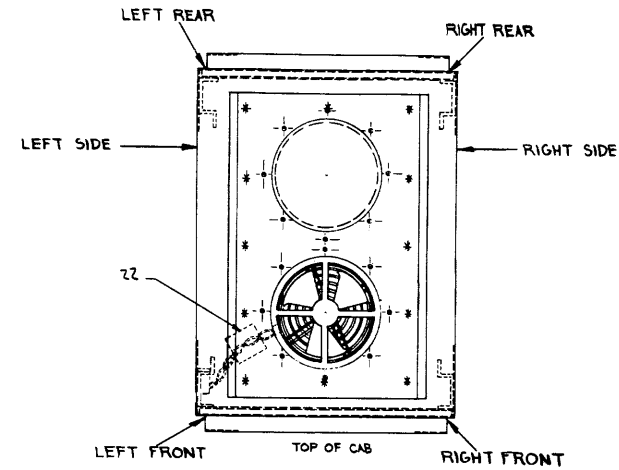
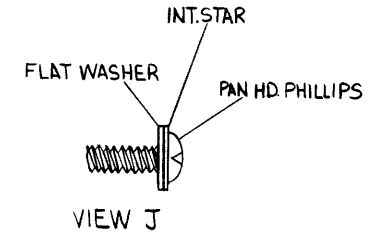
REV.	REV.	REV.	REV.	REV.
1	2	3	4	5

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HARDWARE AID PRINT FOR H950 SERIES CABS

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 TINNEDMAN CLIP SHOULD BE COUNTING FROM BOTTOM OF CAB
- + INDICATES USE OF SCREW & KEP-NUT FOR GROUNDING PURPOSES.
- INDICATES CABLE TIE MOUNT 90TBGT FOR TIE WRAP.
- * THIS SIGN INDICATES USED ONLY WHEN INSTALLING A TM02
- USE FLAT WASHER #10
- ∞ USE KEP-NUT #10-32



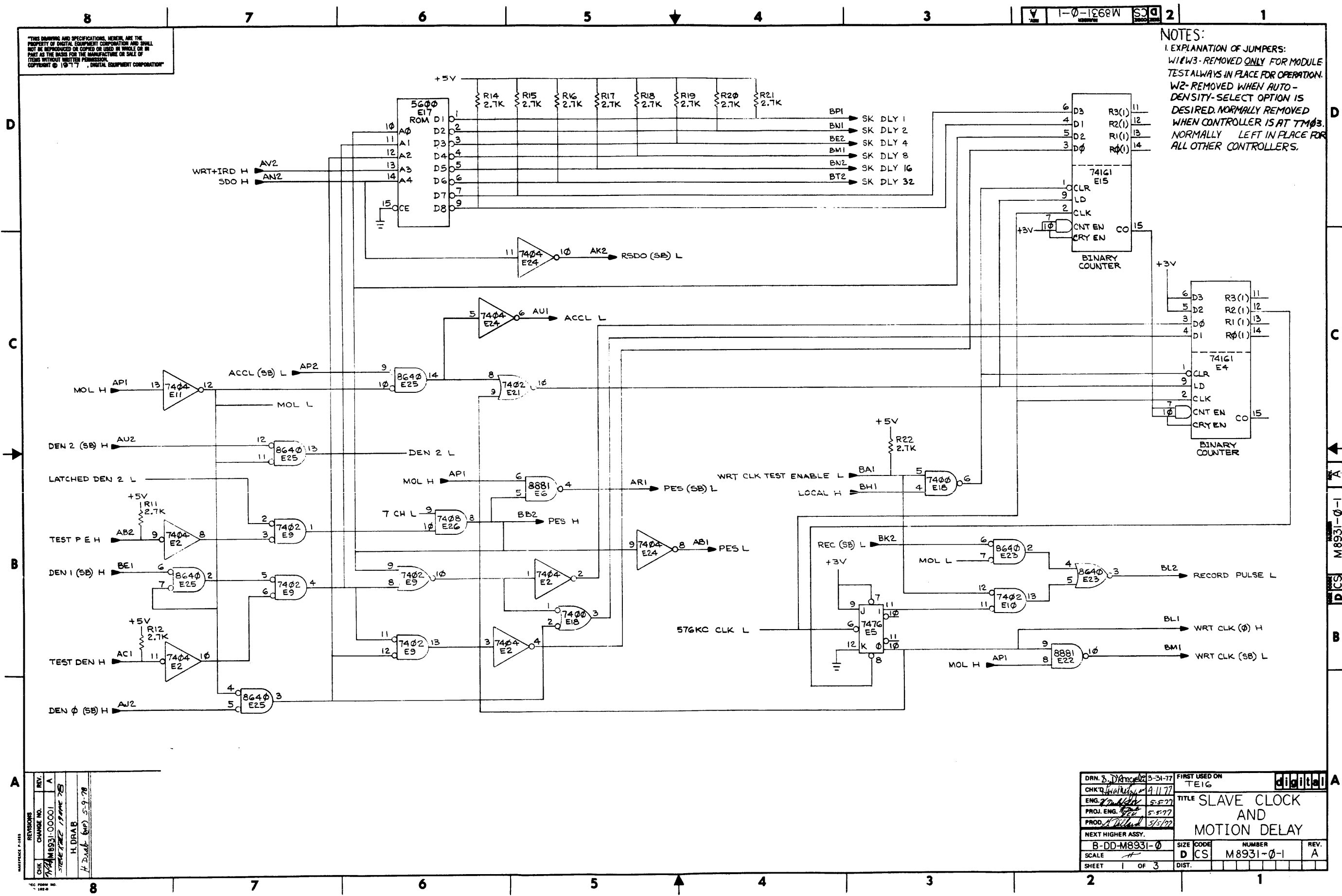
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE/CODE	NUMBER	REV.
MAG TAPE DRIVE (TE16)		DUA	TE16-0-0	B
SCALE		SHEET	4 OF 5	DIST.

[illegible]

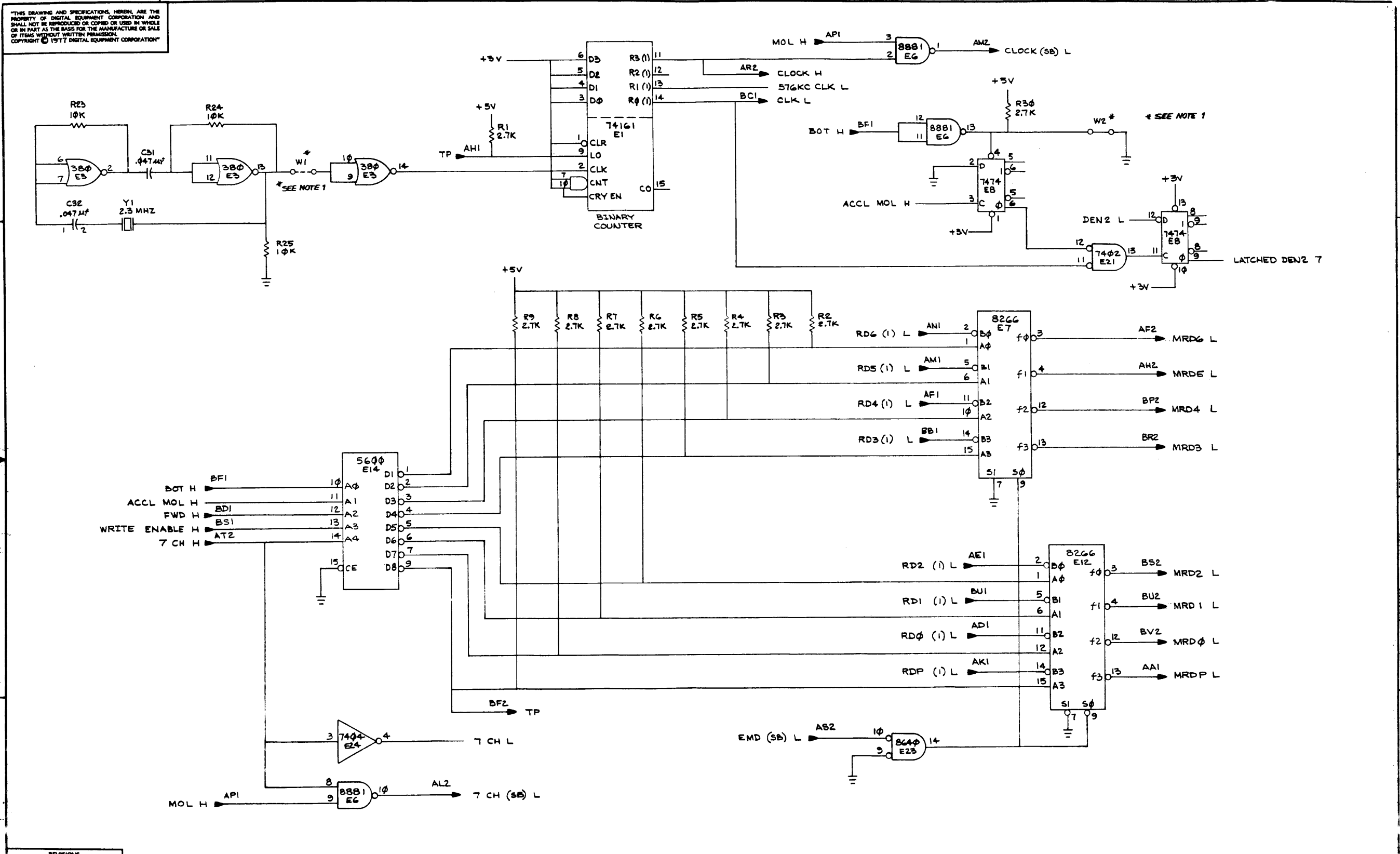
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NOTES:
1. EXPLANATION OF JUMPERS:
W1&W3 - REMOVED ONLY FOR MODULE TEST ALWAYS IN PLACE FOR OPERATION.
W2 - REMOVED WHEN AUTO-DENSITY-SELECT OPTION IS DESIRED. NORMALLY REMOVED WHEN CONTROLLER IS AT TM03. NORMALLY LEFT IN PLACE FOR ALL OTHER CONTROLLERS.



DRN. 8, DATE 10-3-77	FIRST USED ON	TEIG	digital
CHK'D BY 10/11/77	TITLE	SLAVE CLOCK AND MOTION DELAY	
ENG. 10/11/77	SCALE	1	
PROJ. ENG. 10/11/77	SIZE	CODE	
PROD. 10/11/77	NUMBER	M8931-0-1	
NEXT HIGHER ASSY.	REV.	A	
B-DD-M8931-0	SCALE	1	
SHEET 1 OF 3	DIST.		

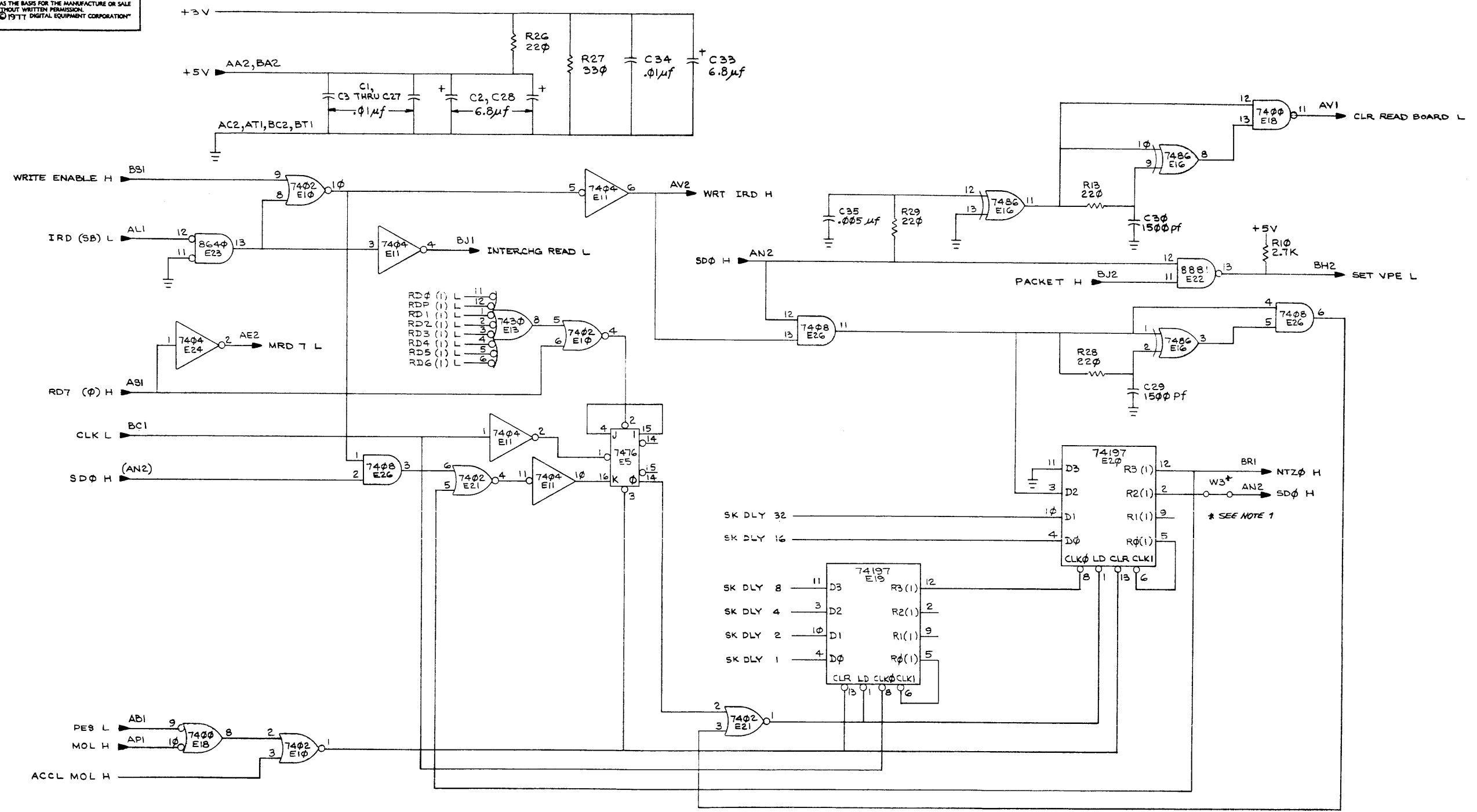
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REVISIONS		
CHK	CHANGE NO.	REV.

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1-0-1268W 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE SLAVE CLOCK AND MOTION DELAY
SCALE 1/8"=1"
SHEET 3 OF 3
SIZE CODE DCS
NUMBER M8931-0-1
REV. A