

digital

RS04

Engineering Drawings

Digital Equipment Corporation

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CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

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SEQUENCE

SEQUENCE

DRAWING DIRECTORY
RSØ4 UNIT ASSY
TIMING CABLE ASSY
HEAD MATRIX CABLE ASSY
ALTERNATE TRACK OPTION
CABLE ASSY
POWER SUPPLY/CONTROL ASSY
LIGHT PANEL & CABLE ASSY
TIMING AMP LOGIC
READ,WRITE, & DETECTION
BUS TRANSCEIVER
ENCODE-DECODE-PLC
DESKEW
DATA REGISTER
ADDRESS REGISTER
CONTROL
ALTERNATE TRACK OPTION
TIMING TRACK WRITER
HEAD MATRIX
COMMAND DECODE
STATUS
FORMAT
SHIELD MODULE
WIRE LIST
LOGIC ASSY
POWER SUPPLY/CONTROL SCHEMATIC
REMOTE LOCAL SWITCH CONN
POWER CONTROL
POWER SUPPLY

B-DD-RSØ4-Ø (SHT 1 ONLY)
D-UA-RSØ4-Ø-Ø (SHT 1 ONLY)
D-IA-7009257-0-0
D-IA-7009256-0-0
D-IA-7009258-0-0
E-AD-7009006-0-0 (SHT 1 ONLY)
D-IA-7009172-0-0
D-CS-GØ92-Ø-1
D-CS-G182-Ø-1
D-CS-M59Ø3-Ø-1 RSØ4 U
D-CS-M7751-Ø-1 RSØ4 D
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D-CS-M7753-Ø-1 POWER
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D-CS-M7757-Ø-1 CABLE
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D-CS-M7759-Ø-1 POWER
D-CS-M777Ø-Ø-1 IND. I
D-CS-M7771-Ø-1 FILTER
D-CS-W9Ø6-Ø-1 PWR TR
K-WL-RSØ4-Ø-WL TRANS
E-AD-7009236-0-0 TERMIN
D-CS-7009006-0-1 CABLE
D-CS-5410176-0-0
D-CS-5410313-0-1 PACKAG
D-CS-5410188-0-1

MFG. PRINT SET

RSØ4 UNIT ASSY (PL)
RSØ4 DISK ASSY
LOGIC HARNESS
POWER SUPPLY/CONTROL ASSY(PI.)
POWER CONTROL HARNESS
JUMPER
TIMING TRACK WRITER
CABLE ASSY
BLOWER ASSY
POWER CORD ASSY.
IND. LAMP ASSY.
FILTER CAP ASSY.
PWR TRANSFORMER ASSY.
TRANSFORMER ASSY W/CAP.
TERMINATOR W/DISPLAY
CABLE EXTENDER

A-PL-RSØ4-0-0
E-AD-7009007-0-0
E-1A-7009267-0-0
A-PL-7009006-0-0
D-1A-7009269-0-0
D-1A-7009254-0-0

D-1A-RSØ4-TA-0
D-AD-7009671-0-0
B-AD-7009673-0-0
B-AD-7009672-0-0
C-AD-7009675-0-0
C-AD-7009676-0-0
C-AD-7009674-0-0
D-CS-H872-0-1
D-CS-H871-0-1

PACKAGING INSTRUCTION

A-P1-3700112-0-0

LIGHT PANEL SCHEMATIC
RS04 LOGIC BLOCK DIAGRAM
MASS BUS TRANSCEIVER (TRA/B/C)
MASS BUS CABLE CONFIGURATION
REMOTE POWER&SEQ CONFIGURATION
AWT REVISION STATUS
RS04 OPTION CONFIGURATION
RS04 OPTION CONFIGURATION (PL)

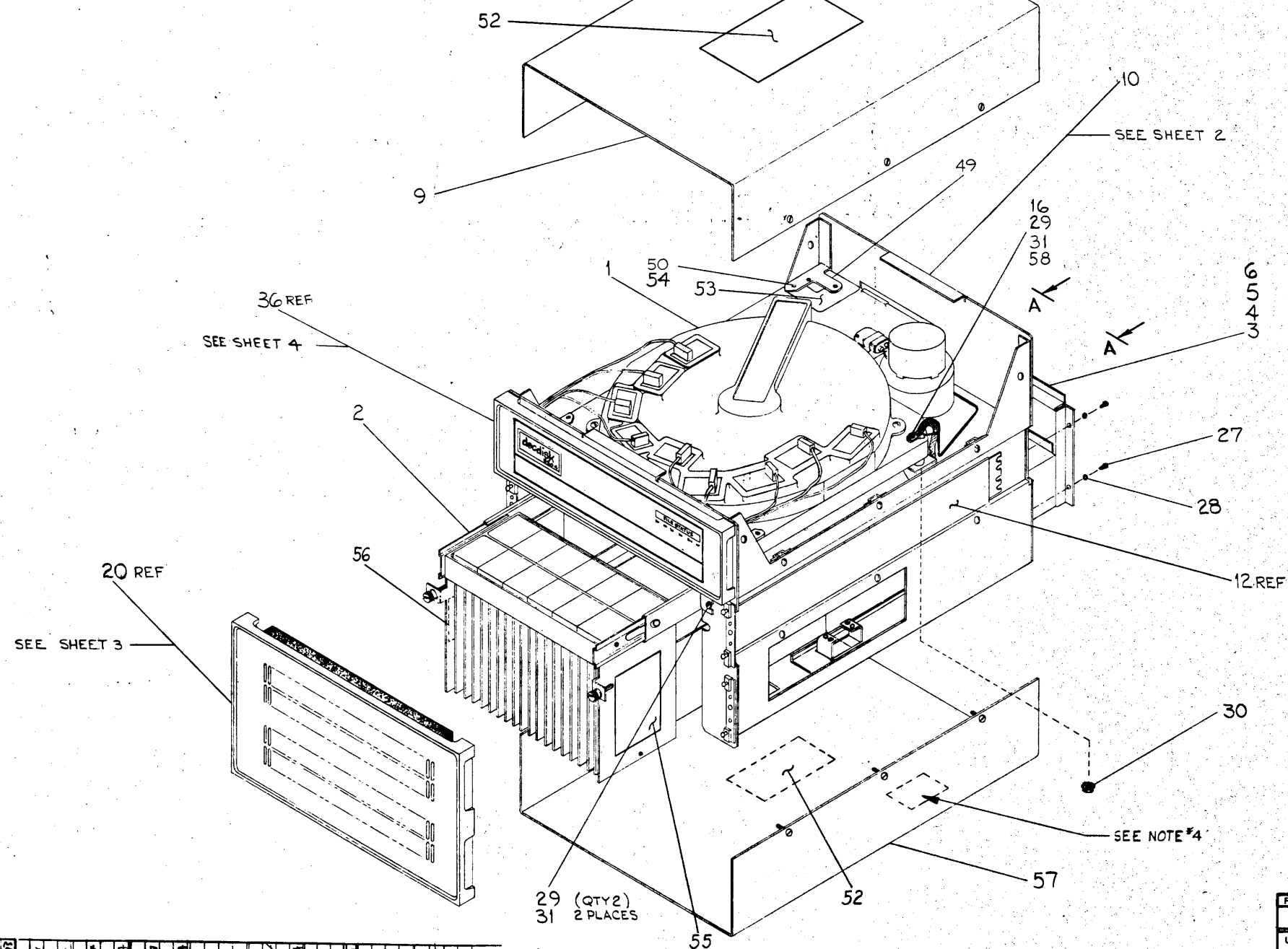
D-CS-5410292-0-1
B-DD-RS04-0-7
D-BS-RS04-0-8
D-SD-RS04-0-6
D-BD-RS04-0-5
A-WT-7008951-0
D-DC-RS04-0-4
A-PL-RS04-0-4

[illegible]

REVISIONS		CHG. NO.	REV
DATE	9-73	RS04-2	A
	1-73	RS04-3	B
	1-74	RS04-4	C
	2-74	RS04-5	D
	3-74	RS04-6	E
	3-74	RS04-7	F
	6-74	RS04-9	H
	7-74	RS04-10	J
	8-74	RS04-11	K
	9-74	RS04-12	L
	11-74	RS04-13	M
	12-74	RS04-14	N
	1-75	RS04-15	P
	2-75	RS04-16	R
	3-75	RS04-17	S
	9-75	RS04-18	T
	9-75	RS04-19	U
	6-76	RS04-20	V
	10-76	RS04-21	W

USED ON OPTION/MODEL		DRN.	DATE	TITLE
		W.Major	3/22/78	
		CHK'D.	DATE	
		7/18/73	7/18/73	
		PROJ ENG.	DATE	512K WORDS 2 USEC WORD RATE DISK
		PROD.	DATE	SIZE CODE NUMBER REV
		7/11/75	7/11/75	B DD RS04-0 N
		FIELD SERV.	DATE	DIST
SHEET 1	OF 5			

A

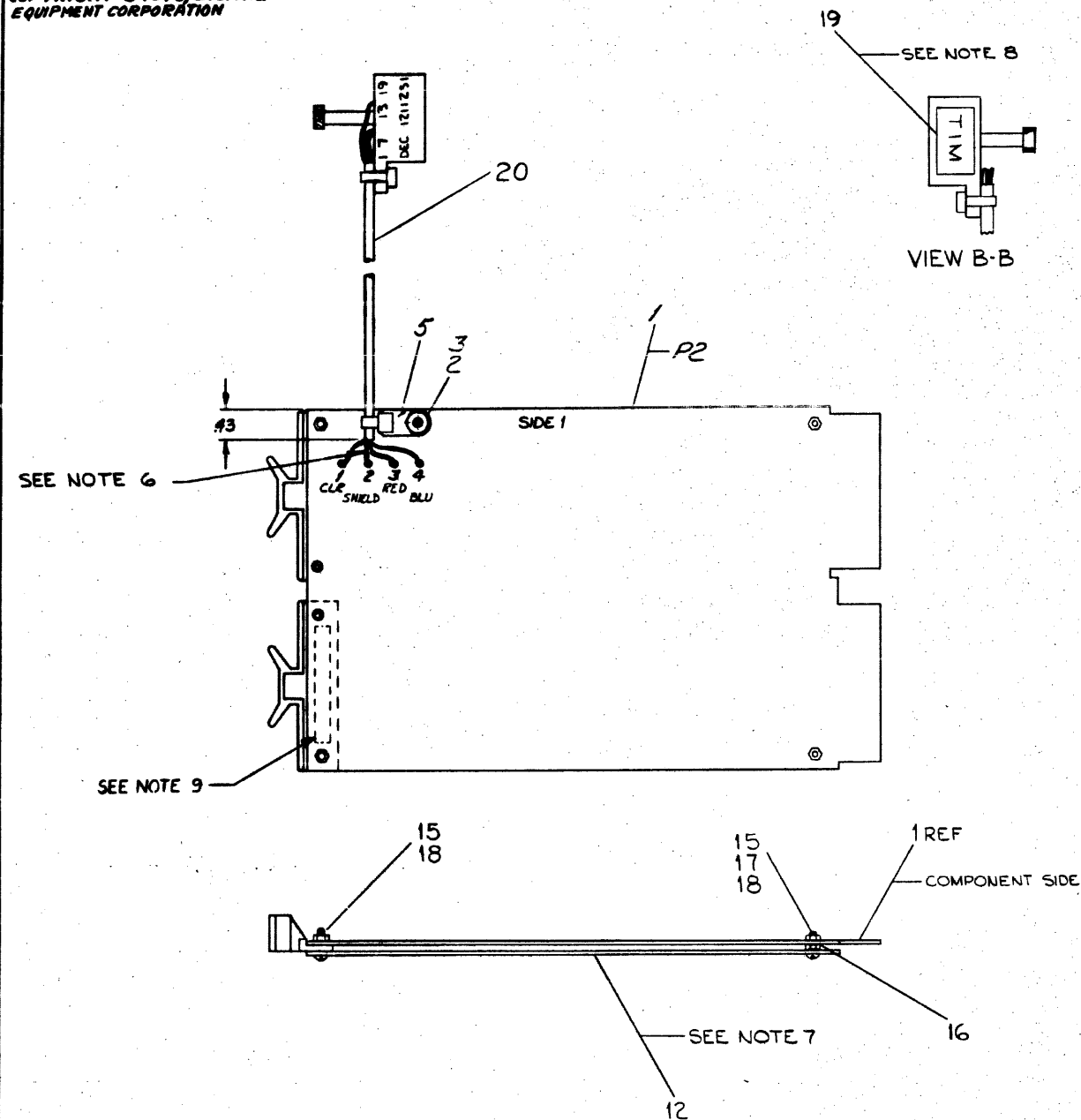
[illegible]DEC FORM NO
DND 100-A

1. ITEM *45 (POWER SEQUENCE JUMPER) TO BE USED ON FIRST UNIT OF SYSTEM ONLY.
2. PACKAGE PER A-PI-3700112-0-0.
3. PLACE DECALS ITEM 52 APPROX. WHERE SHOWN ON ITEM 9.
4. ASSEMBLE ITEM 57 WITH CUTOUTS TOWARD REAR OF DRIVE

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RSØ4			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. T. Guillen	DATE 5-30-73	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS ANGLES		CHK'D J. Barbey	DATE 7/11/73	TITLE	
XXX = .008 XX = .02 X = .1	± 0° 30'	ENG. J. Barbey	DATE 7/11/73	UNIT ASSY.	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROJ. ENG.	DATE 7-11-73	RSØ4	
MATERIAL		PROD. T. Guillen	DATE 7-11-73		
SEE PARTS LIST		NEXT HIGHER ASSY.			
FINISH		B-DD-RSØ4-Ø		SIZE CODE DUA	NUMBER RSØ4-Ø-Ø
		SCALE NONE		REV.	
		SHEET 1 OF 4		K	
		DIST.			

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NOTES:

1. ~~STRIP BACK CABLE SACKET AND SHIELD TO DIMENSION SHOWN, DISCARD SHIELD AT CONNECTOR END ONLY.~~
2. ~~USE CRIMPING TOOL 500-0024-000 (TERMINATING TOOL) FOR ASSEMBLY OF BLADES (#7) TO WIRE. FOR INSERTING & REMOVING BLADES IN CONNECTOR BODY, USE TOOL 500-0027-000 (TERMINATOR).~~
3. ~~AFTER ASSEMBLING CABLE, INSERT TWO KEYS (SUPPLIED WITH ITEM 6) AS SHOWN.~~
4. ~~CRIMP MICRODOT WIRE OVER KYNAR WIRE.~~
5. ~~BRAND TO BE TWISTED AND TINNED AFTER SEPARATION.~~
6. SHIELD TO BE INSTALLED FIRST WITH NO SERVICE LOOP.
7. ITEM #12 TO BE ADDED AFTER CABLE IS MOUNTED AND CLAMPED.
8. CENTER LABEL ON SIDE OF CONNECTOR AS SHOWN IN VIEW B-B.
9. ASSEMBLY NUMBER SHALL BE STAMPED ON HANDLE.

1	TIMING AMP CABLE	7011000-0-0	20
1	HEAD CONN DECALS	A-PS-3611451-4	19
4	NUT, HEX #2-56	9006555	18
2	WASHER, INT TOOTH LOCK #2-56	9006631	17
2	NUT, HEX NYLON #2-56	9007265	16
4	SCREW, PHL PAN #2-56 x 5/16 LG	9006002-1	15
2	KEP NUT #4-80	9006557	14
2	SCR PHL PAN HD #4-80 x 3/16 LG	9006004-4	13
1	NOISE SHIELD	5009893	12
1	TIE WRAP	9007880	9
1	SCREW, KNURLED SHOULDER HD #4-80	9006000-8	8
3	CONTACT BLADE	12-11-2-51-1	7
1	CONNECTOR BODY	12-11-2-51-1	6
1	SCREWDOWN TIE WRAP	9007033	5
2	CABLE, 5 COND, MICRODOT	700004	4
1	NUT, KEP #6-32	9008185	3
1	SCREW, PHL PAN HD #6-32 x 1/2 LG	9006021-1	2
1	RS03 TIMING AMP-LOGIC	C092	1

FIRST USED ON OPTION/MODEL		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
RS03/04									
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		TOLERANCES		DATE		DATE		DATE	
DECIMALS		ANGLES		7/11/73		7/11/73		7/11/73	
XXX - .008		±0° 30'		CHKD		DATE		DATE	
XX - .02				END		DATE		DATE	
X - .1				PROG		DATE		DATE	
REMOVE BURS AND BREAK SHARP CORNERS SURFACE QUALITY				PROD		DATE		DATE	
MATERIAL		NEXT HIGHER ASSY.		TITLE		NUMBER		REV.	
SEE PARTS LIST		E-AD-7009236-0-0		TIMING AMP ASSY		DIA 7009257-0-0		11	
FINISH		+ +		SCALE		NONE			
SHEET		OF		DIST.					

REV	CHG	NO	REV
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

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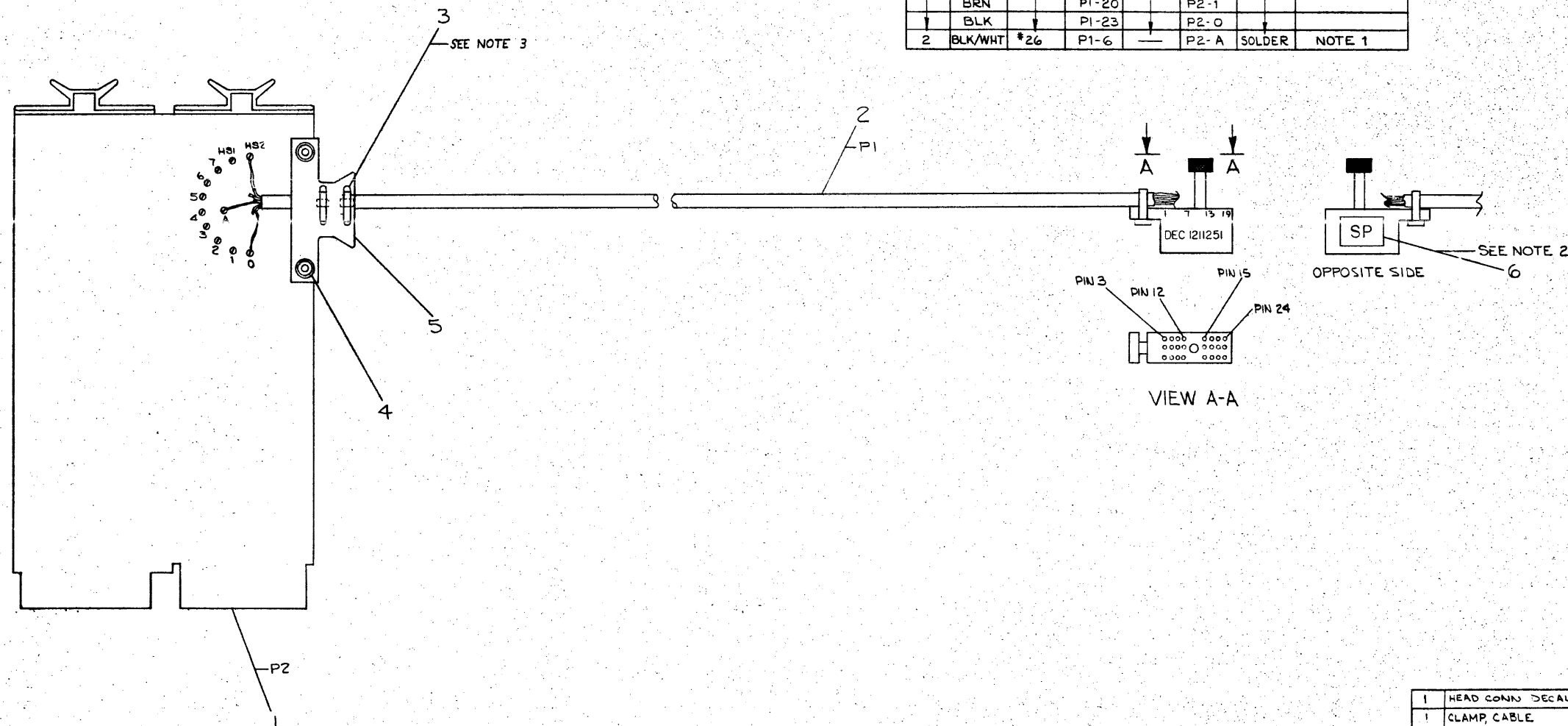
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WIRE TABLE

ITEM NO.	DESCRIPTION	AWG	FROM		TO		REMARKS
			CONN	WITH	CONN	WITH	
2	WHT	*26	P1-15	—	P2-HS2	SOLDER	
	GRY		P1-12	—	P2-HS1		
	VIO		P1-2		P2-7		
	BLU		P1-5		P2-6		
	GRN		P1-8		P2-5		
	YEL		P1-11		P2-4		
	ORN		P1-14		P2-3		
	RED		P1-17		P2-2		
	BRN		P1-20		P2-1		
	BLK		P1-23		P2-0		
2	BLK/WHT	*26	P1-6	—	P2-A	SOLDER	NOTE 1

NOTES:

1. CABLE DRAIN WIRE IS ALSO CONNECTED TO 'A' SPLIT LUG.
2. CENTER LABEL ON SIDE OF CONNECTOR AS SHOWN.
3. CABLE TIE LATCH IS ON FAR SIDE OF CABLE CLAMP.



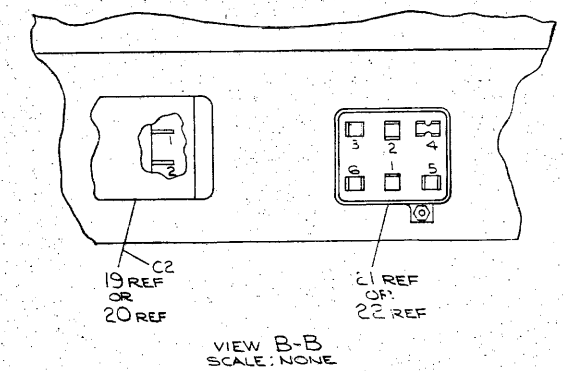
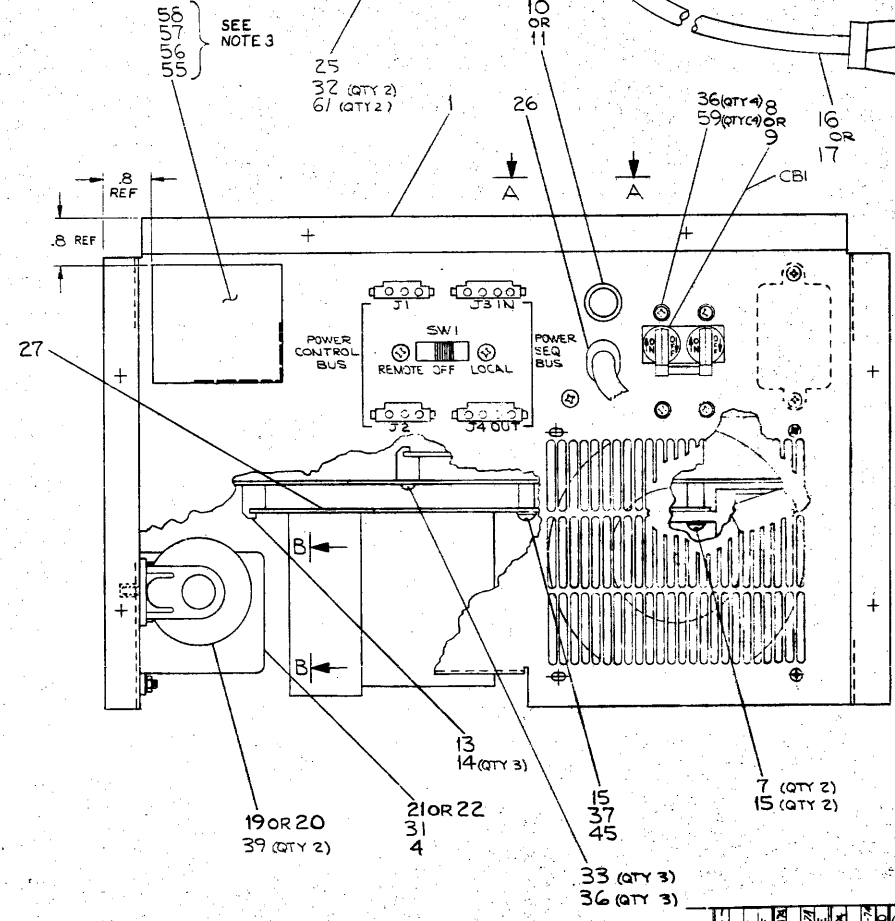
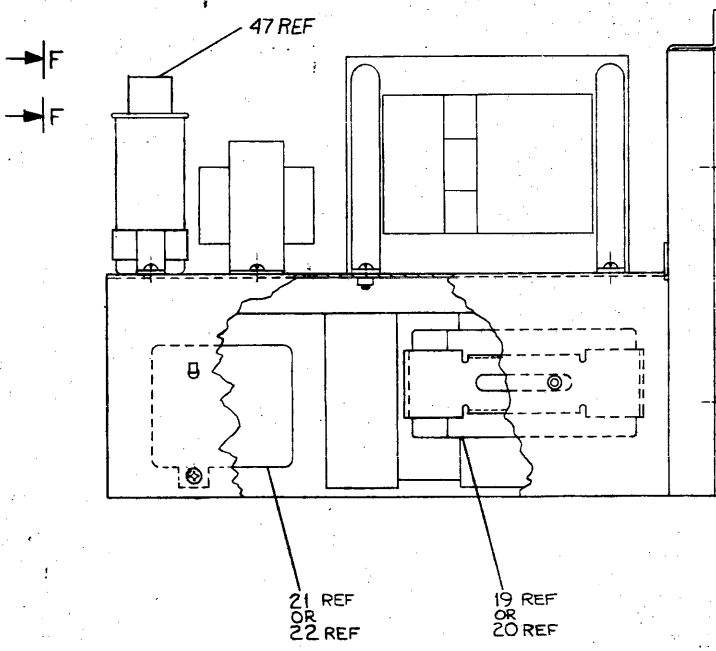
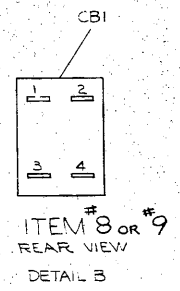
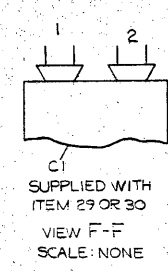
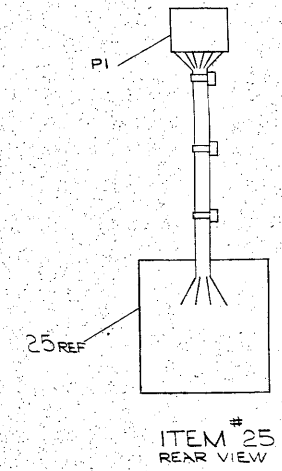
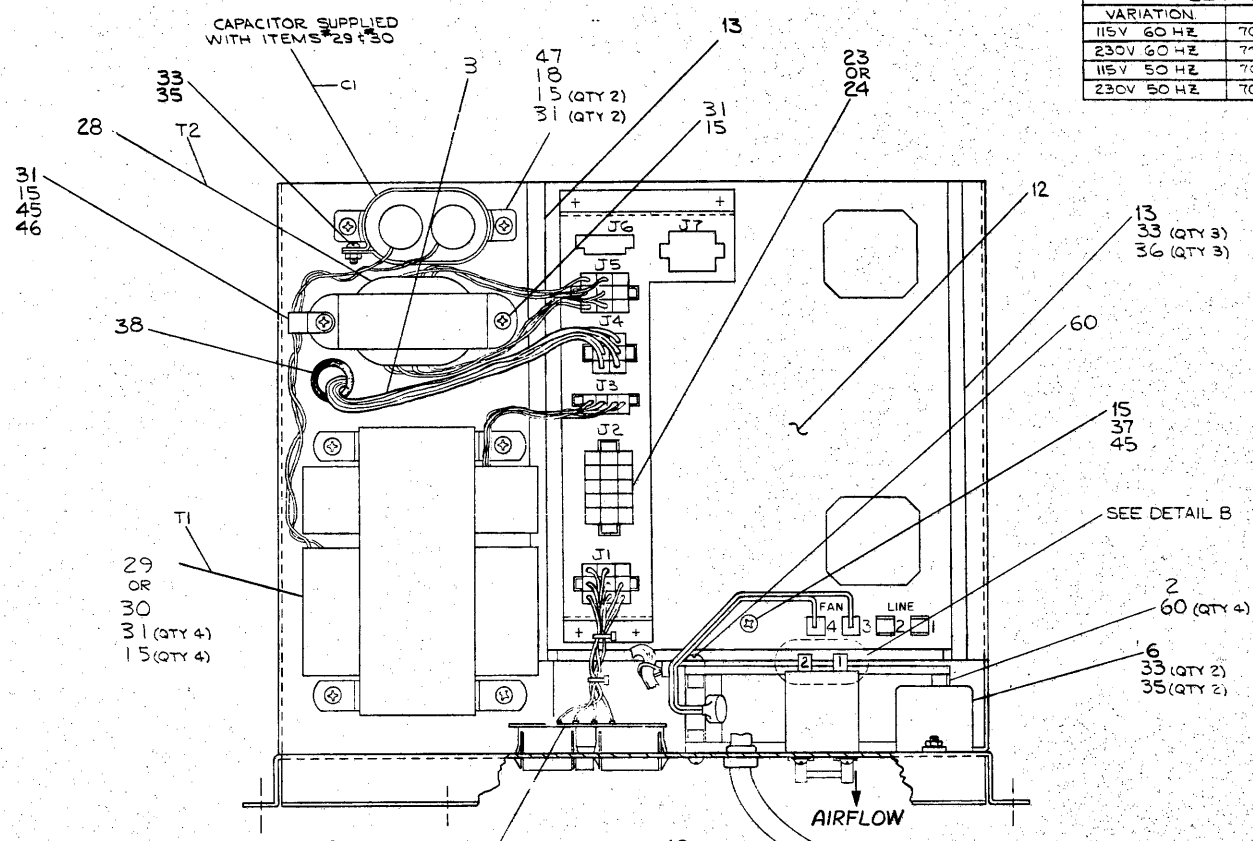
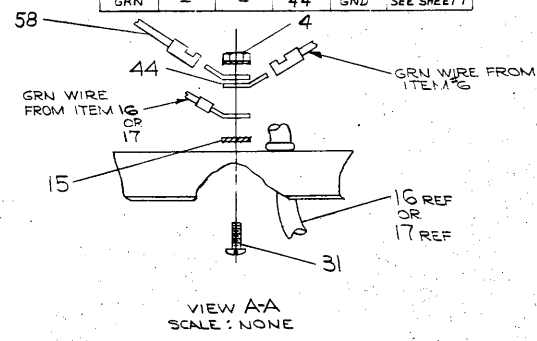
1	HEAD CONN DECALS	A-PS-3611451-5	6
1	CLAMP, CABLE	A-PS-1202790-0-0	5
2	EYELET	A-PS-9000791-0-0	4
2	CABLE TIE 3 3/4 L. X 3/32 W.	A-PS-9007091-0-0	3
1	HEAD MATRIX CABLE	C-IA-7009255-0-0	2
1	ALTERNATE TRACK OPTION	M7756	1

FIRST USED ON OPTION/MODEL		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
RS03/04									
UNLESS OTHERWISE SPECIFIED		DRN		DATE		PARTS LIST			
DIMENSION IN INCHES		B. VALENTINE		2-16-73					
TOLERANCES		CHKD		DATE					
DECIMALS		ENG		DATE					
ANGLES		PROJ		DATE					
XXX - .005		PROD		DATE					
XX - .02		NEXT HIGHER ASSY.							
X - .1									
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY									
MATERIAL									
SEE PARTS LIST									
FINISH									

INTERCONNECTION CHART					
COLOR	ITEM	CONN	ITEM	CONN	REMARKS
BLU	6	P12	8 OR 9	CB-4	
BRN	6	P13	8 OR 9	CB-3	
GRN	6	P14	44	GND	SEE VIEW A-A
BLU	6	P15	12	LINE 1	
BRN	6	P16	2	LINE 2	
RED	10 OR 11	P10	8 OR 9	CB-1	
BLK	10 OR 11	P11	8 OR 9	CB-2	
GRN	16 OR 17	P17	31	GND	SEE VIEW A-A
WHT	16 OR 17	P18	8 OR 9	CB-1	MOUNT PIGGY
BLK	16 OR 17	P19	8 OR 9	CB-2	BACK ON PS 44
-	28	P5	2	J5	
-	29 OR 30	P1	27	J1	
-	29 OR 30	P3	12	J3	
GRY	29 OR 30	P8	-	C1-1	TWISTED
RED	29 OR 30	P9	-	C1-2	
-	45	P1	12	J1	
-	3	P4	12	J4	
BLU	3	1A	2 OR 22	K1-6	FOR PT
GRN	3	2A	-	K1-5	1A-8A
YEL	3	3A	-	K1-4	8B & 6B
BRN	3	4A	-	K1-1	REFLEX
RED	3	5A	-	K1-2	TO D1/S
RED	3	6A	-	K1-2	D-1A7009269
ORN	3	7A	-	K1-3	
ORN	3	8A	21 OR 22	K1-3	
ORN	3	8B	19 OR 20	C2-1	
RED	3	6B	19 OR 20	C2-2	
BLK PR	2	3 & 4	2	-	
GRN	-	-	44	GND	SEE SHEET 1

VARIATION	NUMBER
115V 60 HZ	7009006-0
230V 60 HZ	7009006-1
115V 50 HZ	7009006-2
230V 50 HZ	7009006-3

- NOTE:
1. TESTER FOR THIS ASSY IS RS04-TD
 2. FOR WIRING CONNECTIONS REFER TO DWG D-CS-7009006-0-1 & INTERCONNECTION CHART
 3. POSITION DECAL OVER ALIGNMENT MARKS.



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/04					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES					
DECIMALS	ANGLES				
.XX - .99	° - 00				
.XX - .99	° - 00				
MATERIAL					
NEXT NUMBER ASSY.					
D-UA-RS04-0-0					
SCALE					
SHEET					

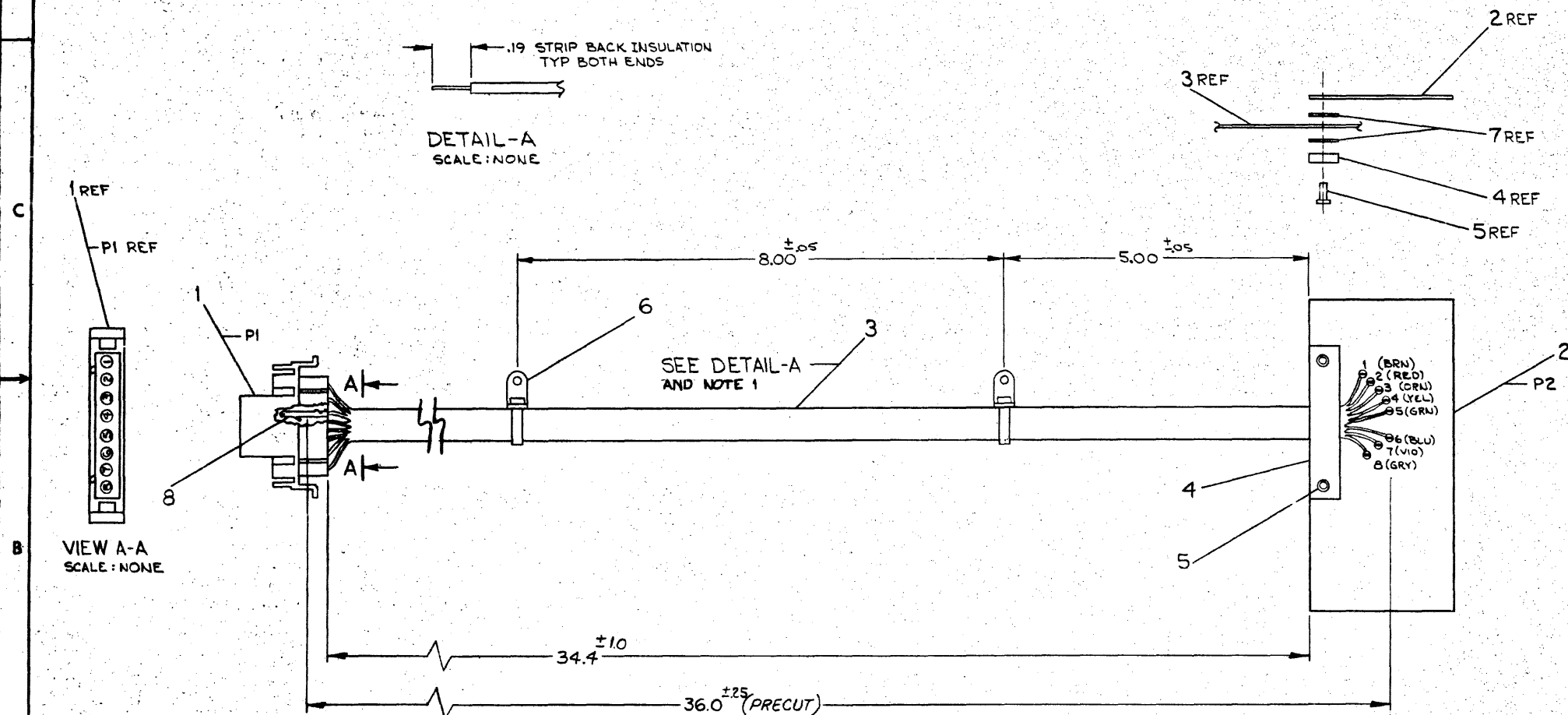
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WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TO	DESCRIPTION	FROM	TO
3	BRN	22	PI-1	ITEM 8	P2-1	SOLDER
	RED		PI-2		P2-2	
	ORN		PI-3		P2-3	
	YEL		PI-4		P2-4	
	GRN		PI-5		P2-5	
	BLU		PI-6		P2-6	
	VIO		PI-7		P2-7	
3	GRY	22	PI-8	ITEM 8	P2-8	SOLDER

NOTES

1. ITEM #3 (20 CONDUCTORS) IS TO BE SEPARATED INTO TWO (2) 8 CONDUCTOR CABLES, EACH COLORED AS INDICATED IN WIRE TABLE. THIS WILL SUPPLY CABLE FOR TWO ASSEMBLIES. DISCARD FOUR CONDUCTORS (TWO BLACK, TWO WHITE).



8	MATE-N-LOCK PIN (MALE)	1209378-03	8
A/R	TAPE, # 4032	9007834	7
2	CABLE TIE SSC2	9007033	6
2	EYELET GS-4-7	9006732	5
1	CABLE CLAMP	1202704	4
A/R	RIBBON CABLE	9107575	3
1	LIGHT PANEL	DCS-54102920-1	2
1	MATE-N-LOCK 8PIN CONN.	1209340-01	1

FIRST USED ON OPTION/MODEL		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
RS03/04									
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. T. Quinn		DATE 7/1/73		digital EQUIPMENT CORPORATION		TITLE	
DECIMALS .XXX ±.008		CHKD. J. C. Long		DATE 7/1/73				LIGHT PANEL & CABLE ASSY	
ANGLES .XX ±.02		ENG. J. Field		DATE 7/1/73					
.X ±.1		PROD. J. K. K. K.		DATE 7/1/73					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.		DUA-RS04-0-0		SIZE CODE		NUMBER	
FINISH		SCALE 1/1		SHEET 1 OF 1		DIST.		REV B	

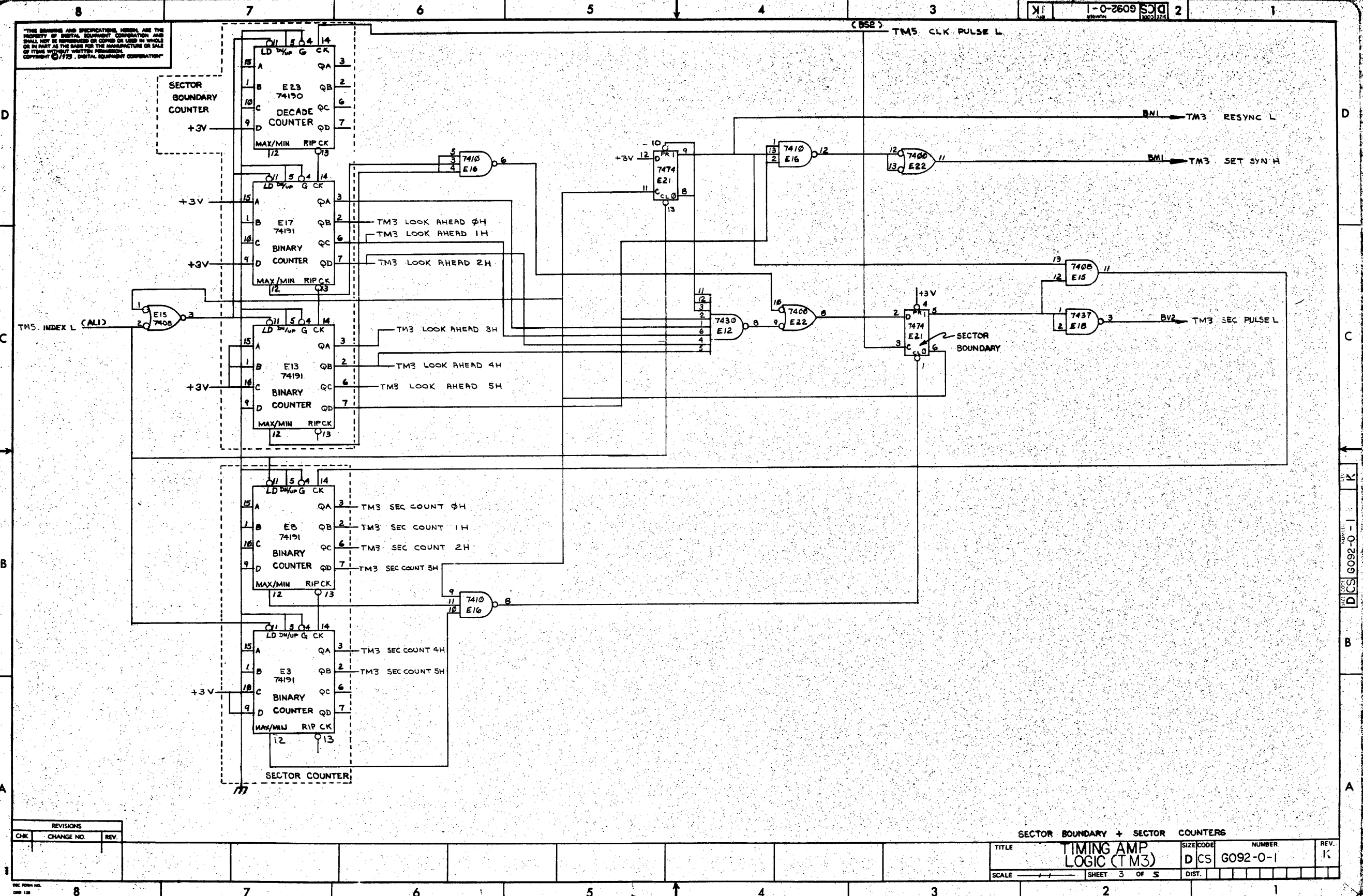
REV.	CHANGE NO.	DATE	BY	CHKD.
1	1	9-18-74	P. McLean	
2	2	9/20/74	K. Srivastava	
3	3	9/20/74		

PAGE REVISION CONTROL SHEET									
PAGE REVISIONS		REMARKS							
SH NO.	DATE	REV.	ENG.	ETCH	ECO	NO.	REV.	ENG.	ETCH
1	5/14/73	E							
2	5/14/73	F							
3	5/14/73	F							
4	5/14/73	F							
5	5/14/73	F							
6	5/14/73	F							
7	5/14/73	F							
8	5/14/73	F							
9	5/14/73	F							
10	5/14/73	F							
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66	5/14/73	F							
67	5/14/73	F							
68	5/14/73	F							
69	5/14/73	F							
70	5/14/73	F							
71	5/14/73	F							
72</									

DRB 110

SEMICONDUCTOR CONVERSION CHART

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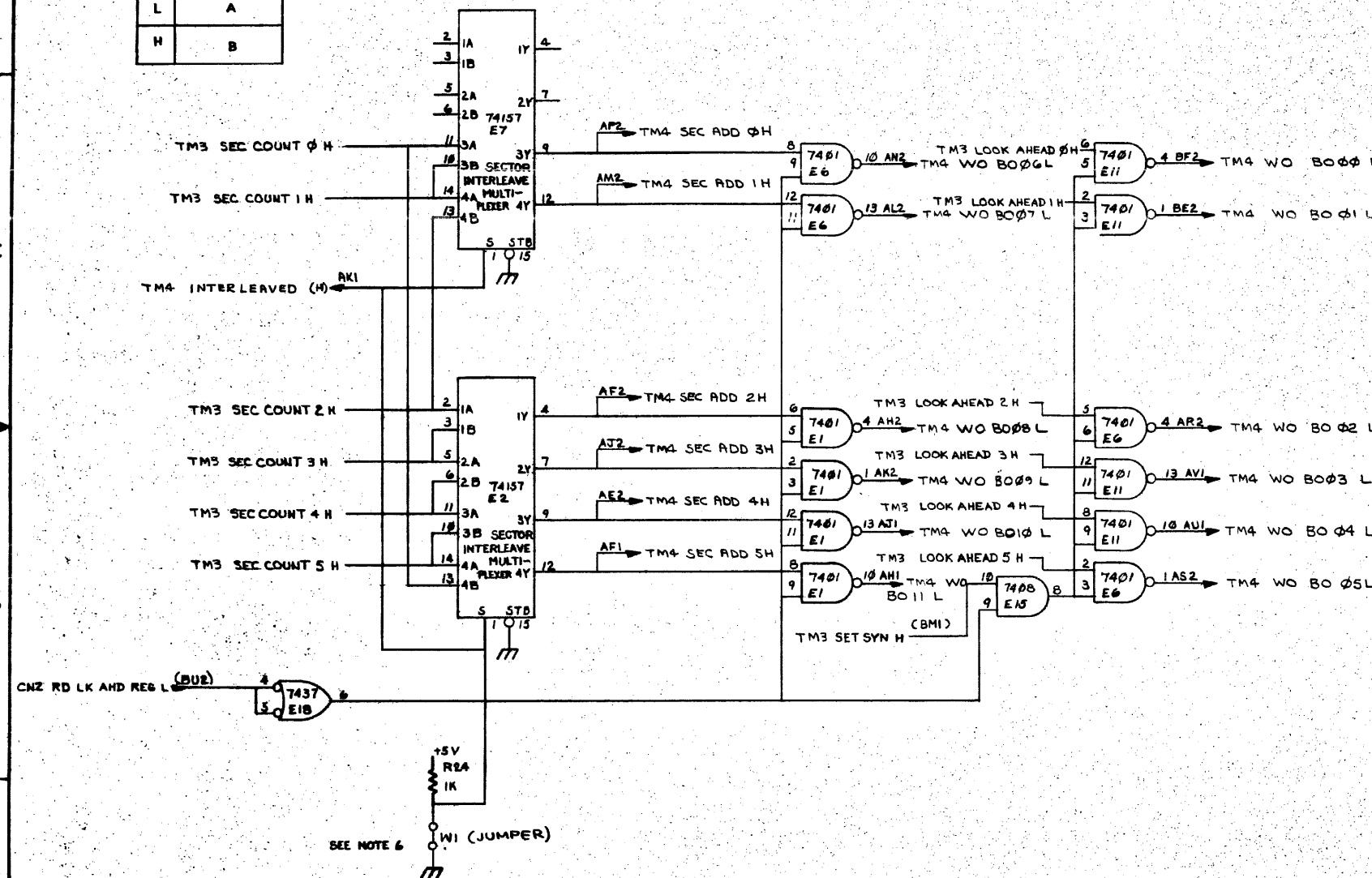
REVISIONS		
CHK	CHANGE NO.	REV.

SECTOR BOUNDARY + SECTOR COUNTERS				
TITLE	TIMING AMP LOGIC (TM3)	SIZE CODE	NUMBER	REV.
SCALE	SHEET 3 OF 5	D/CS	G092-0-1	K

D/CS G092-0-1

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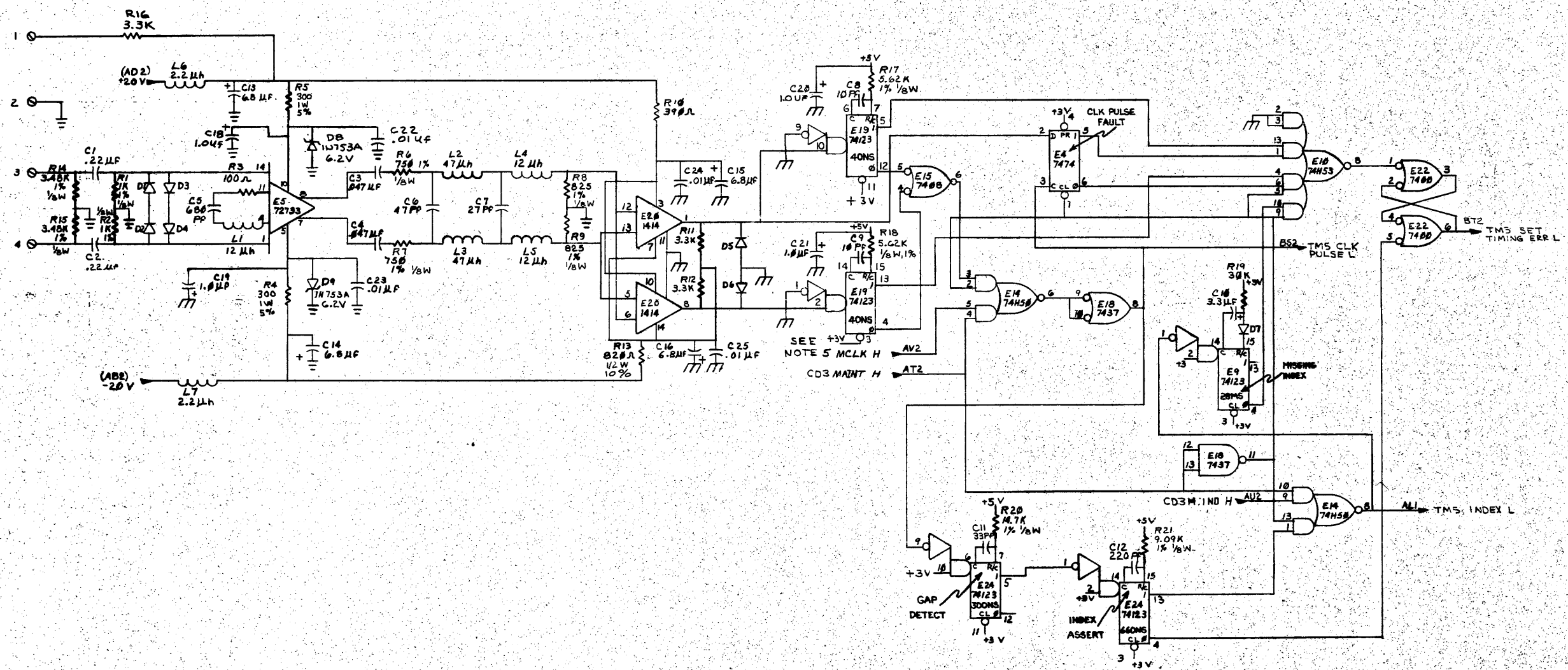
74157 TRUTH TABLE	
S	Y
L	A
H	B



SEE NOTE 6

REVISIONS		
CHK	CHANGE NO.	REV.

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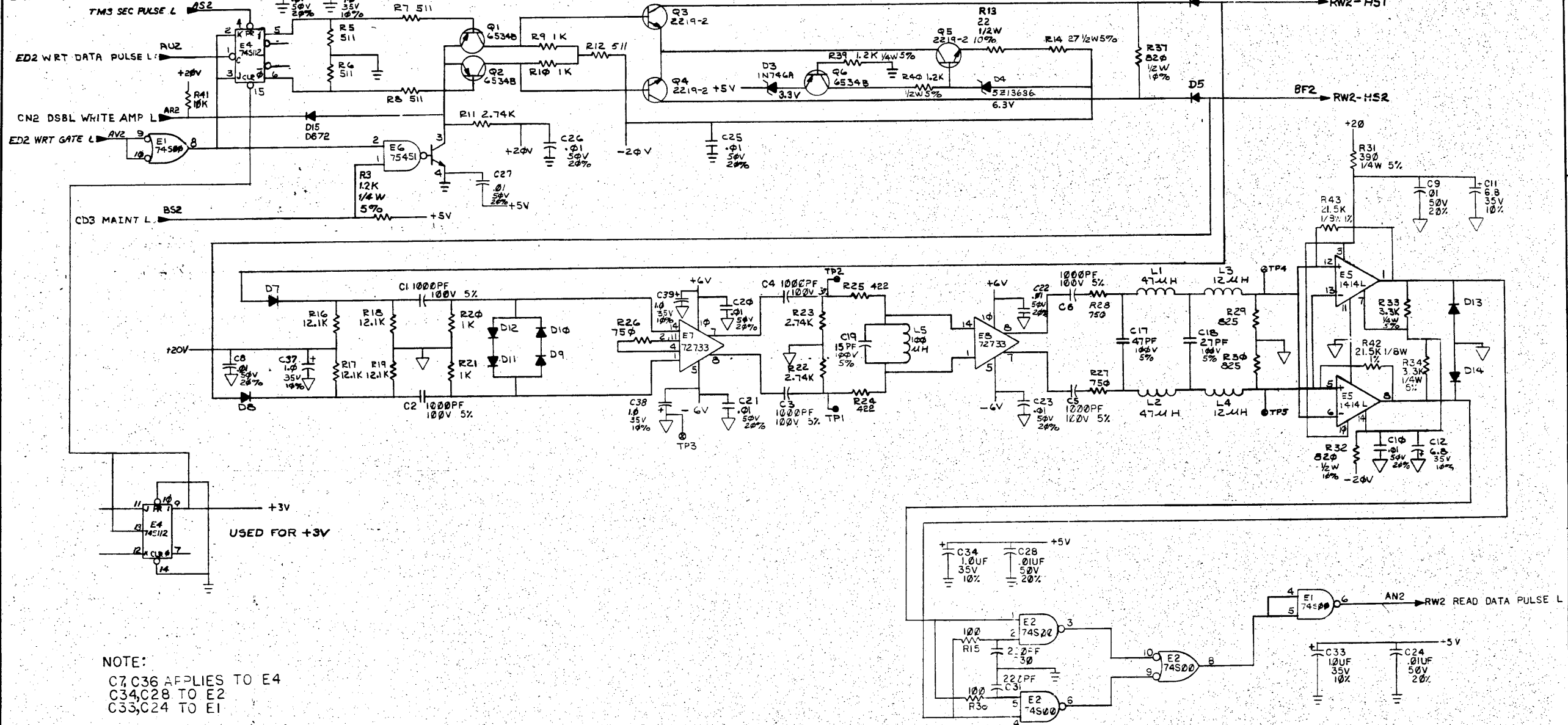


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		TIMING AMP + TIMING ERROR DETECTION	
TIMING AMP LOGIC (TM5)		NUMBER	
D CS G092-0-1		REV.	
SCALE		SHEET 1 OF 5	
DIST.		REV.	

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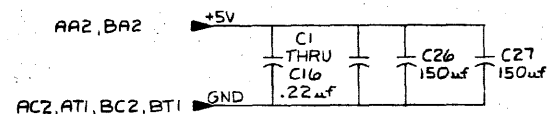
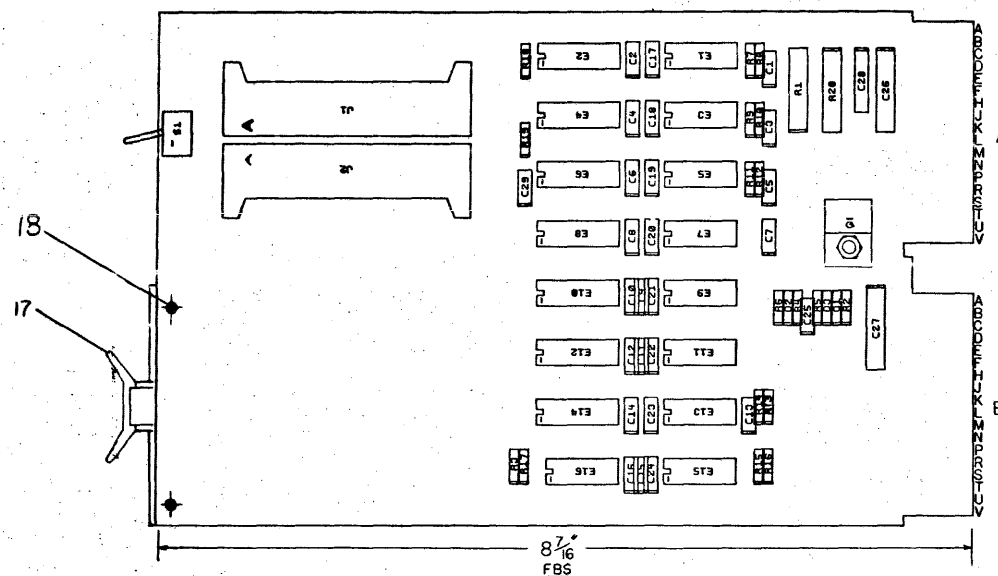
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NOTE:
C7, C36 APPLIES TO E4
C34, C28 TO E2
C33, C24 TO E1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/04					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN K. DAVIS	DATE 12/13/72	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
		CHKD S. Dorman	DATE 4/28/73		
DECIMALS	ANGLES	ENG C. S. Chi	DATE 1/17/73	TITLE READ WRITE & DETECTION (RW2)	
XXX - .000	±0° 30'	PROJ. ENG. C. S. Chi	DATE 1/17/73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. M. Blum	DATE 1/17/73		
MATERIAL		NEXT HIGHER ASSY.			
FINISH		E-AD-7009236-0-0			
		SCALE			
		SHEET 2 OF 2			
		SIZE CODE			
		DCS G182-0-1			
		NUMBER			
		REV.			
		M			

NOTES:



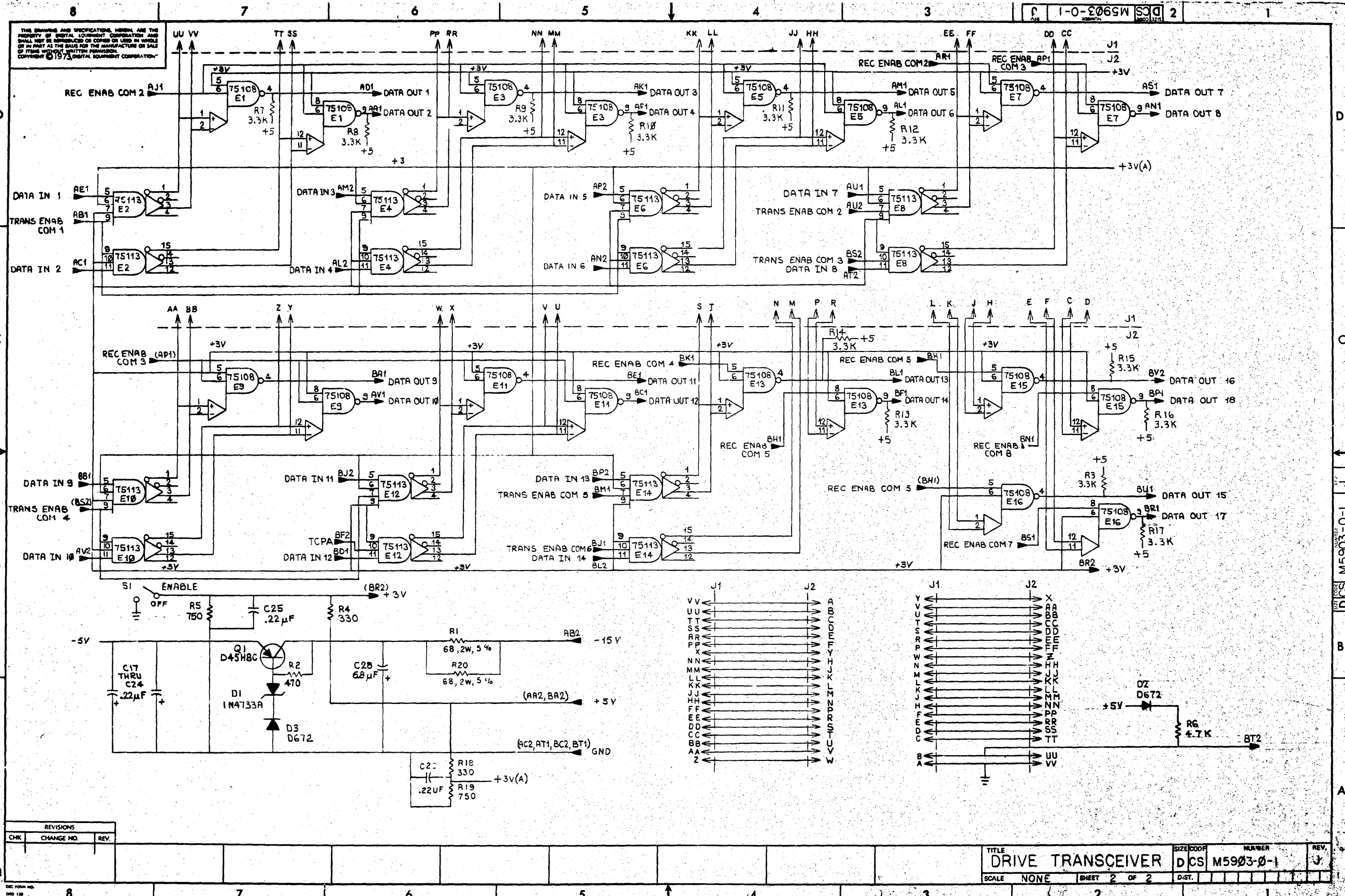
IC TYPE	-5V	GND	+5V
DEC T5107B	13	7	14
DEC T5108B	13	7	14
DEC T5113	—	8	16

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

IC PIN LOCATIONS

REF.		X-Y COORDINATE HOLE LOCATION	X-CO	Y-CO	
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M5903-0-5		2
REF		MODULE ECO HISTORY	B-MH-M5903-0-6		3
1		ETCHED CIRCUIT BOARD	5010502		4
26	C1 THRU C25, C29	CAP. .22 μ F 50V 20%	1010274		5
1	C28	CAP. 68 μ F 35V 10%	1005306		6
1	D1	DIODE 1N4733A 5.1V	1109943		7
2	D2, D3	DIODE D672	1105275		8
					9
2	R4, R18	RES. 330 1/4W 5%	1300245		10
2	R5, R19	RES. 750 1/4W 5%	1301401		11
1	R6	RES. 4.7K 1/4W 5%	1300447		12
2	J1, J2	CONN. SCOTCH FLEX 3432-1002	1209941-02		13
					14
7	E2, E4, E6, E8, E10, E12, E14	I.C. DEC 75113	1911341		15
9	E13, 5, 7, 9, 11, 13, 15, 16	I.C. DEC 75108B	1910725		16
1		HANDLE, FLIP CHIP, MAGENTA	9008337-6		17
2		EYELET	9006732		18
					19
					20
2	C26, C27	CAP 150 μ F 6V 20%	1005572		21
1	S1	SWITCH	1210209		22
2	R1, R20	RES 68, 2W, 5%	1302308		23
1	R2	RES, 470, 1/4 W, 5%	1300316		24
1	Q1	TRANS 045H8C	1510708-01		25
1		SCREW PH.# 4-40 X 1/4	9008301-01		26
1		NUT, KEP 4-40	9006557		27
12	R3, R7 -R17	RES, 33K, 1/4W, 5%	1300439		28
4		LEFT LATCH	1209941-03		29
4		RIGHT LATCH	1209941-04		30
A/R		THERMAL COMPOUND	9008268		31

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	H			
		DATE 8/3/75	EQUIPMENT CORPORATION MONTROSE, WASHINGTON	
	DRIVE Counter	DATE 8/3/75	TITLE DRIVE TRANSCEIVER	
	DRIVE	DATE 8/3/75		
	ENG. 1/1/75	DATE 8/3/75		
	DRIVE	DATE 8/3/75		
	DRIVE	DATE 8/3/75		
D672	IN 3653	DATE 8/3/75		
IN 4733A	NONE	DATE 8/3/75		
DEC NO.	EIA NO.	DATE 8/3/75		
CONVERSION CHART		DATE 8/3/75		
SCALE NONE		DATE 8/3/75		
SHEET 3 OF 3		DATE 8/3/75		
D/C		DATE 8/3/75		
M5903-0-1		DATE 8/3/75		



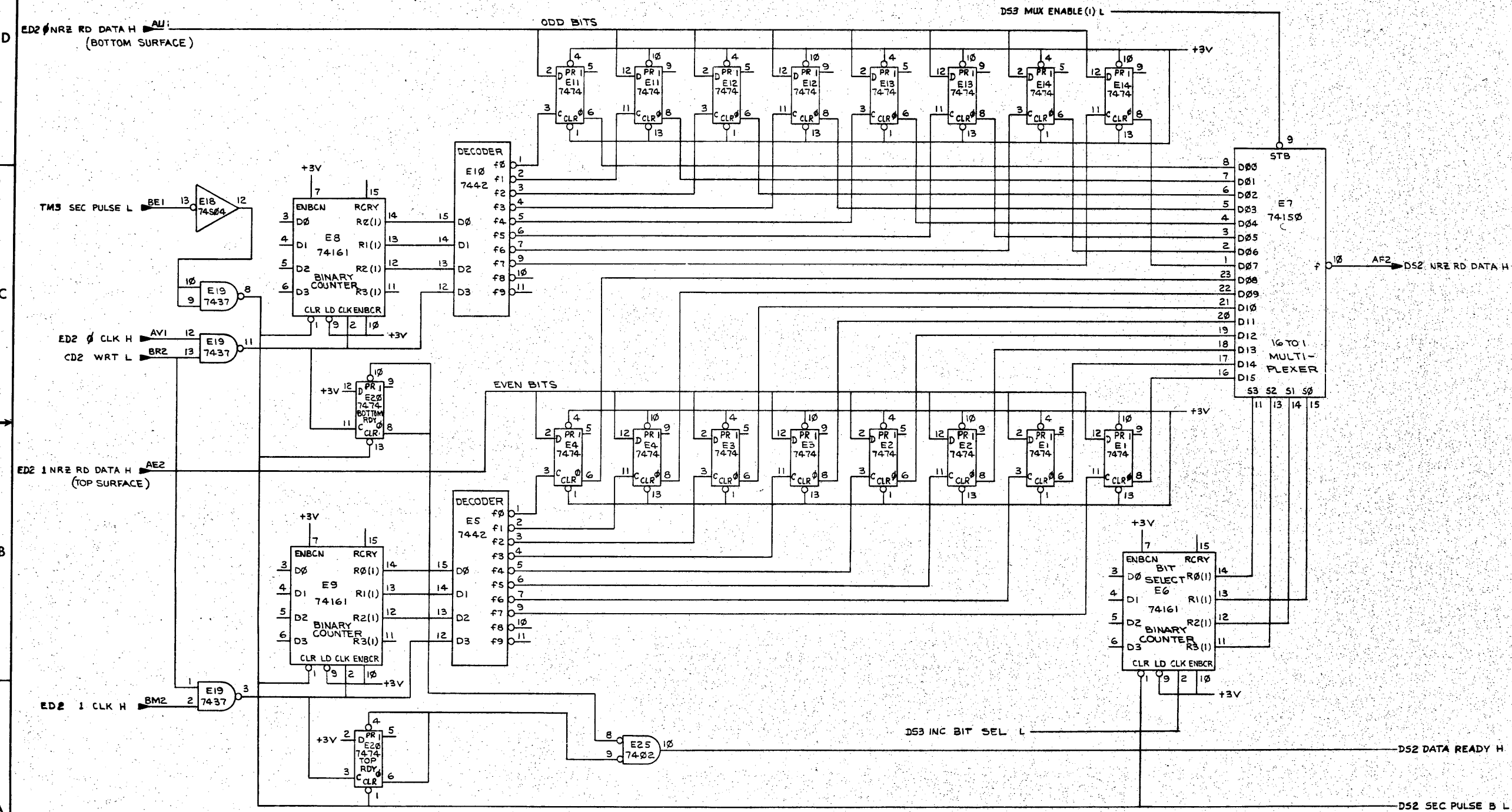
NOTES:

4. REFER TO WIRE LIST (PIN SORT) FOR
SOURCE AND/OR DESTINATIONS

[illegible]

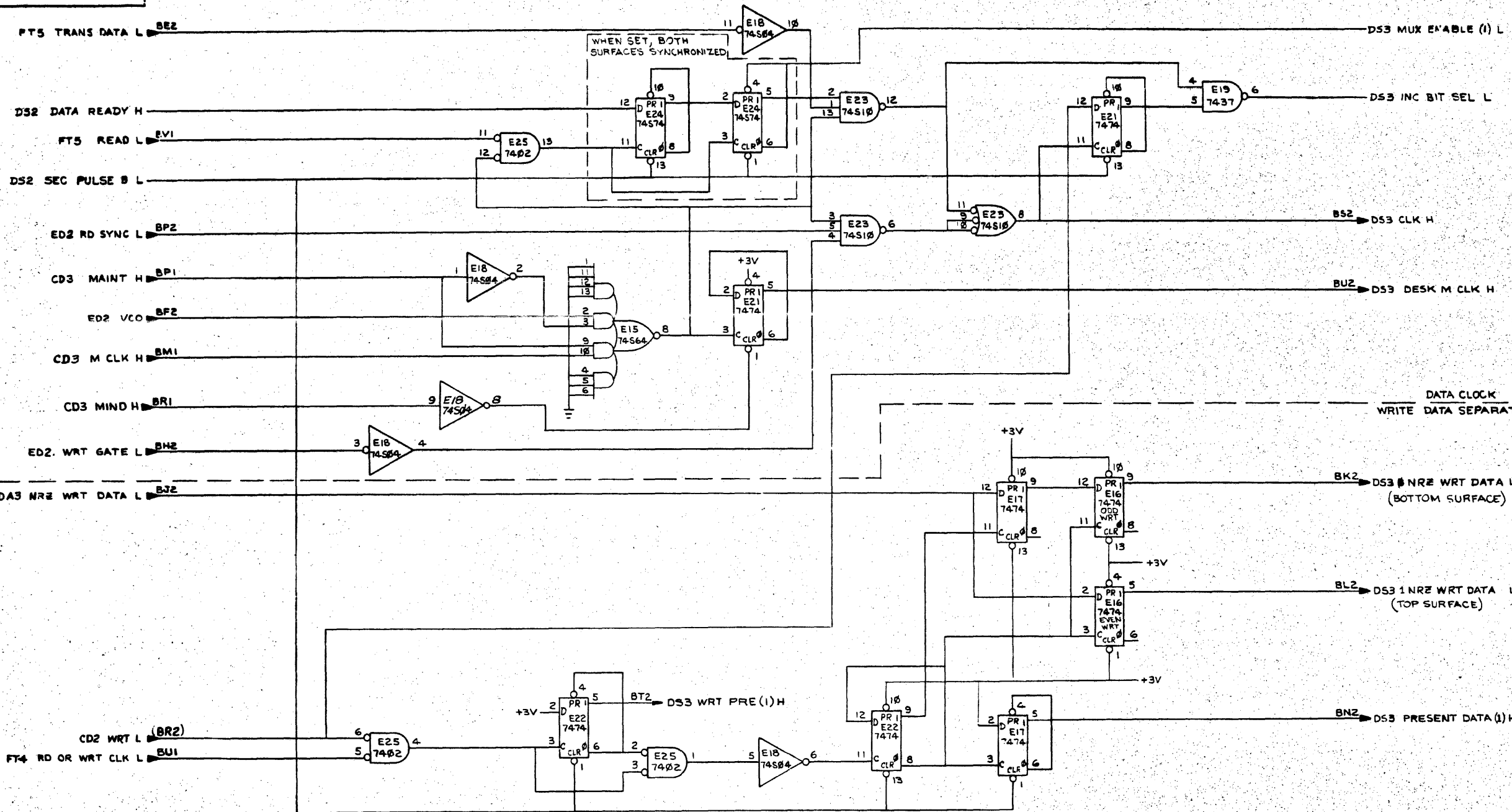
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	F			
		DRG U. Cassinette	DATE 4-15-73	EQUIPMENT CORPORATION WATFORD MASSACHUSETTS TITLE ENCODE-DECODE PLL
		CHRG M. A. Cassinette	DATE 7-5-73	
		ENG J. H. H. -	DATE 7/15/73	
		DRG J. H. H. -	DATE 7/15/73	
		PROJ U. Cassinette	DATE 7/15/73	
		NEXT HIGHER ASSY		
		E-AD-MOS236 0-0		
		SCALE		
DEC NO.	EIA NO.	SIZE CODE	NUMBER	REV
CONVERSION CHART		SHEET	OF	
		DICS	M7751-0-1	

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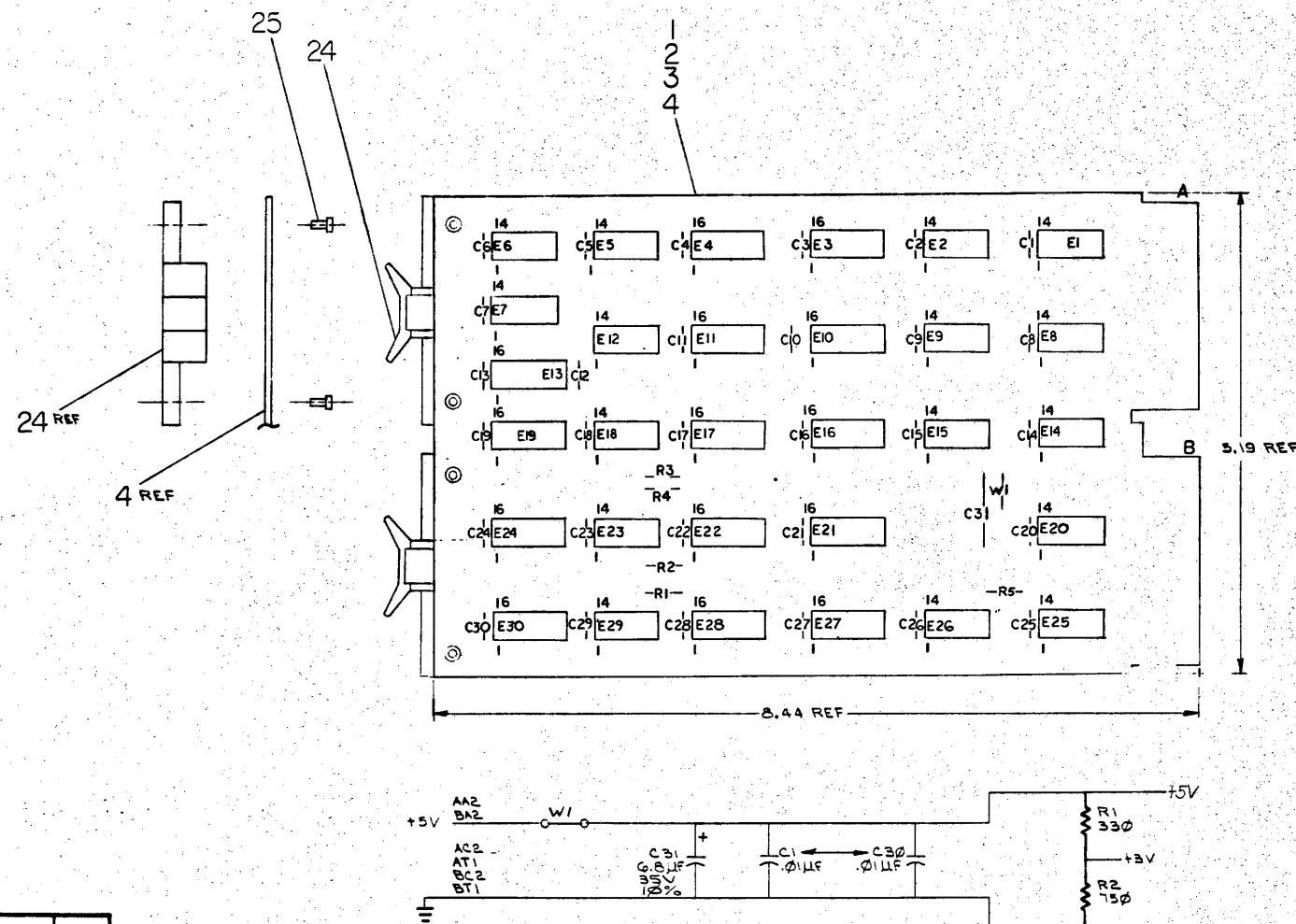
REVISIONS			READY DESKEW			
CHK	CHANGE NO	REV	TITLE	SIZE CODE	NUMBER	REV.
			RS04 DESKEW (DS2)	D CS	M7752-0-1	B
			SCALE	SHEET 2 OF 3	DIST.	

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1. UNLESS OTHERWISE SPECIFIED:
 A. ALL RESISTORS ARE $1/4W, \pm 5\%$
 B. ALL CAPACITORS ARE $50V, \pm 20\%$
 C. ALL RESISTANCE IS IN OHMS

2. REFER TO WIRE LIST (PINSORT) FOR
 SOURCE AND/OR DESTINATIONS



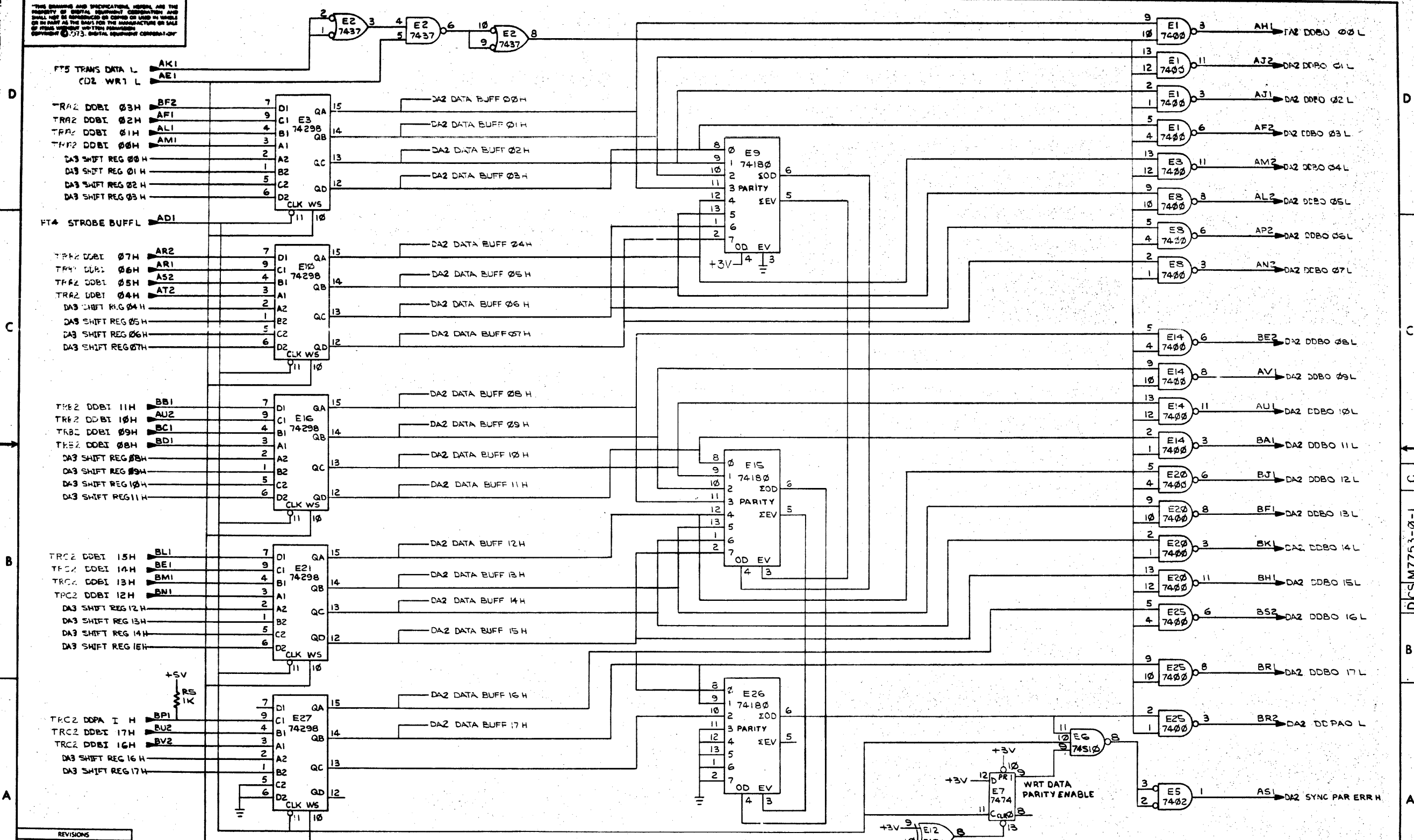
DEC I.C. 74298	B	IC
DEC I.C. 74S153	B	IC
DEC I.C. 74S175	B	IC
DEC I.C. 74S174	B	IC
DEC IC. 8271	B	IC
IC TYPE	GND	+ 5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

REF		X-Y COORDINATE WIRE LOCATION	K-CO-87730-0-4	1
REF		ABS THERMALING WIRE LOCATION	B-80-87730-0-5	2
REF		HOUSE BUS HISTORY	B-80-87730-0-6	3
1		ETHER CEMENT BOARD	50Y0102	4
1	C31	CAPACITOR, 0.00F, 50V, 10%	1000005	5
30	C1-C30	CAPACITOR, 0.00F, 50V, 20%	1000010	6
2	R1, R4	RESISTOR, 300 OHM, 1/2 W, 5%	1300005	7
1	R2	RESISTOR, 750 OHM, 1/2 W, 5%	1301401	8
2	R3, R5	RESISTOR, 1K, 1/2 W, 5%	1300005	9
1	W1	JUMPER (INSULATED) (.400)	9009135	10
1	E5	I.C. DEC 7402	1000004	11
3	E10, E23, E29	IC, 7416	1000000	12
1	E12	IC DEC 7400	1010011	13
5	E1, E8, E14, E20, E25	IC DEC 7400	1000575	14
1	E2	IC DEC 7437	1010001	15
1	E9	IC 74510	1010000	16
3	E8, E15, E26	IC 74100	1010724	17
5	E3, E10, E18, E21, E27	IC DEC 74200	1011271	18
5	E4, E11, E17, E22, E28	IC DEC 0071	1000016	19
1	E13	IC DEC 745153	1010547	20
2	E24, E30	IC 745174	1010050	21
1	E19	IC 745175	1010057	22
1	E7	IC DEC 7474	1005547	23
2		WABLE FLIP CHIP, MAGENTA	0000337-6	24
4		EYELET	00006732	25

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITE NC
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FIRST USED ON OPTION MODEL				PARTS LIST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
RS03/04				ETCH BOARD REV				C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
DATA REGISTER (DA2)		D	CS M7753-0-1	C
SCALE	SHEET 2 OF 3	DIST.		

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D

SEE NOTE 2

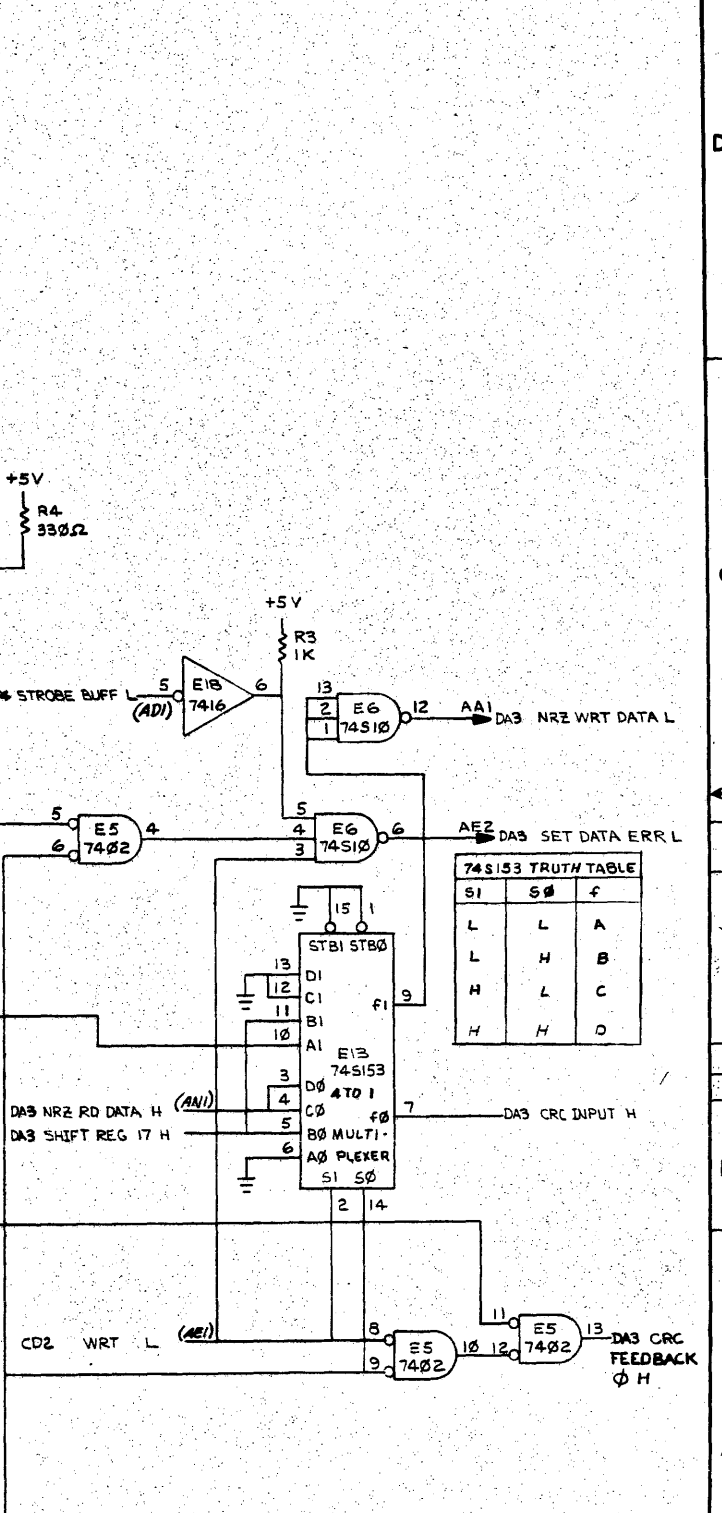
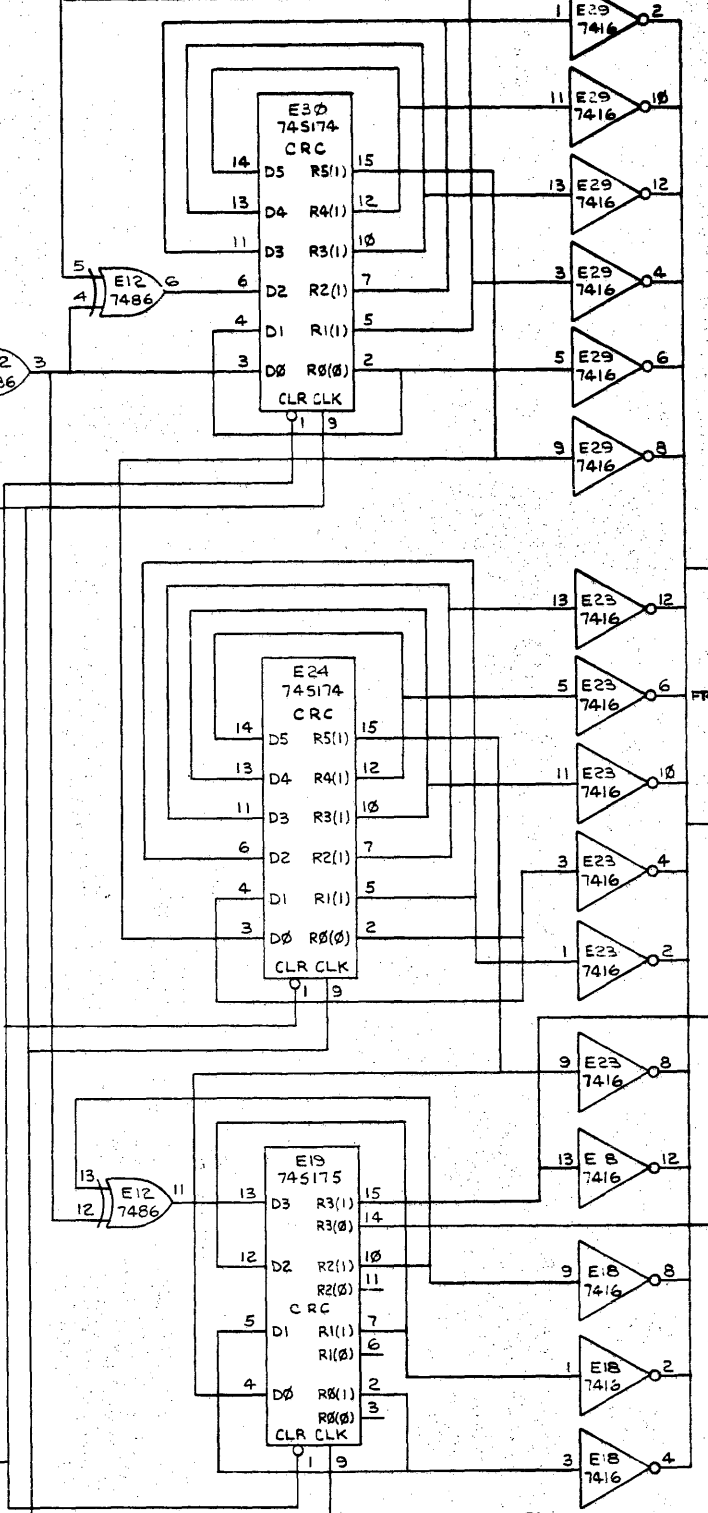
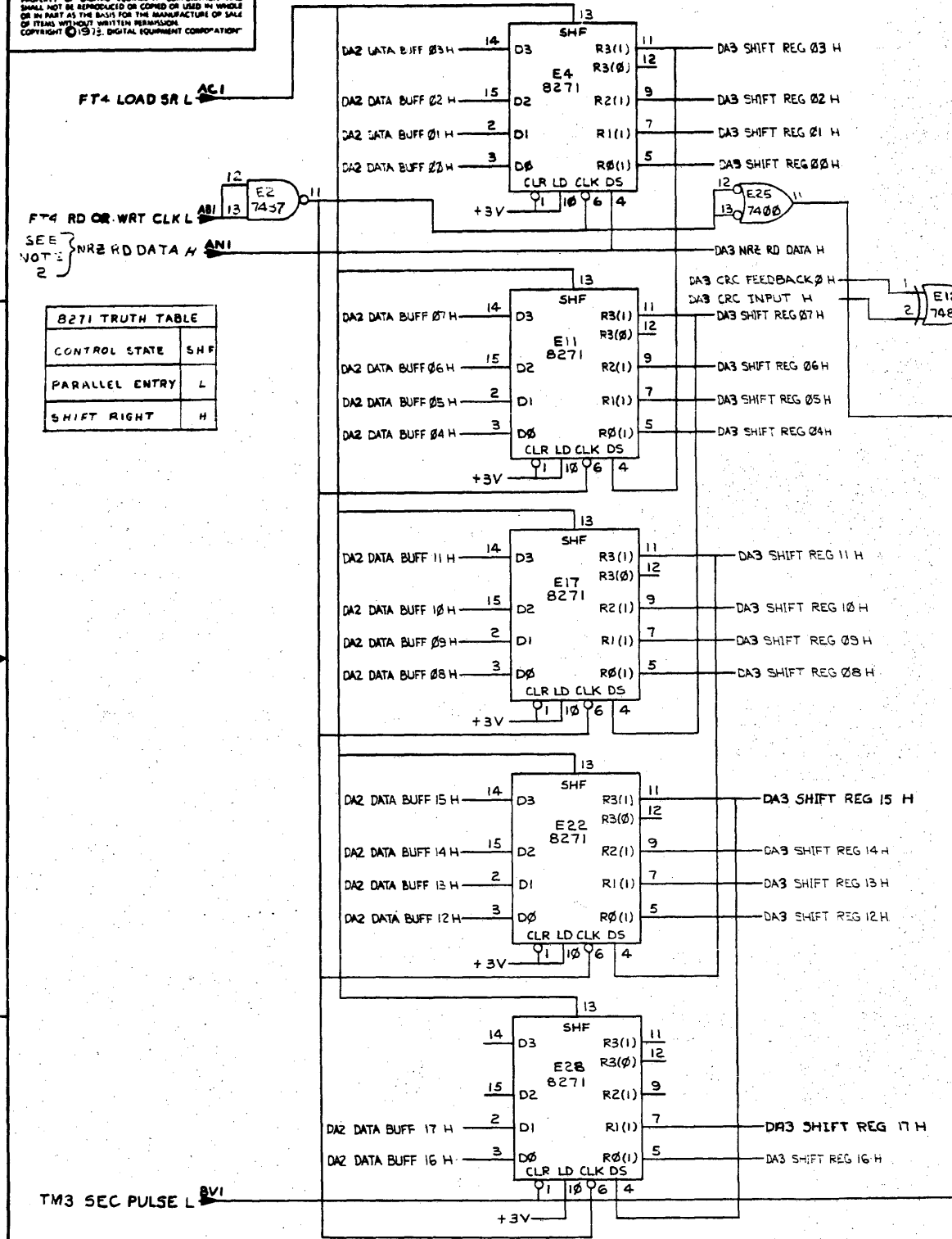
8271 TRUTH TABLE

CONTROL STATE	SHF
PARALLEL ENTRY	L
SHIFT RIGHT	H

C

B

A



REVISIONS

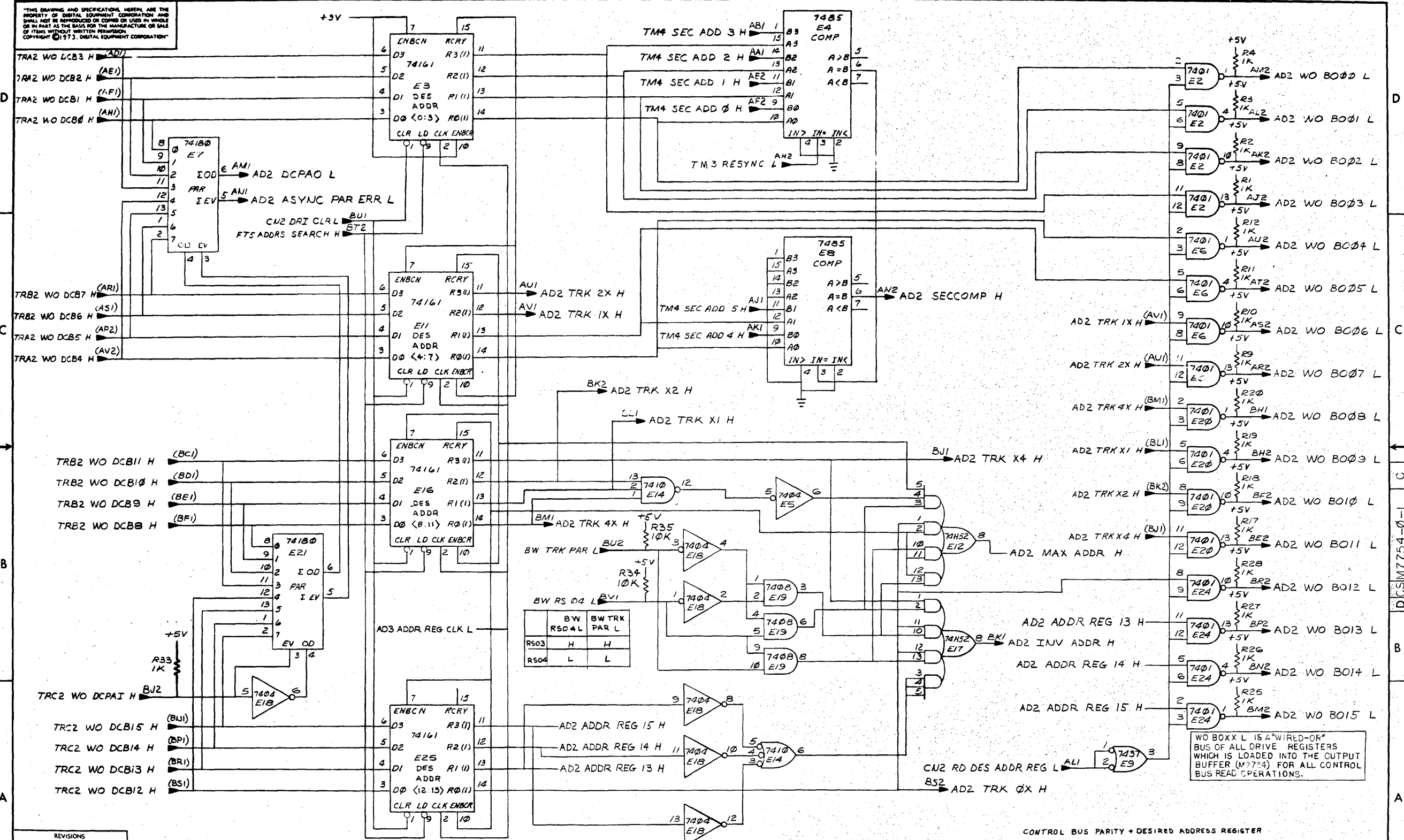
CHK	CHANGE NO	REV.

DATA SHIFT REGISTER AND CRC REGISTER

TITLE	SIZE/COE	NUMBER	REV.
DATA REGISTER (DA3)	D	CS M7753-0-1	C

SCALE 1:1 SHEET 3 OF 3 DIST. 1

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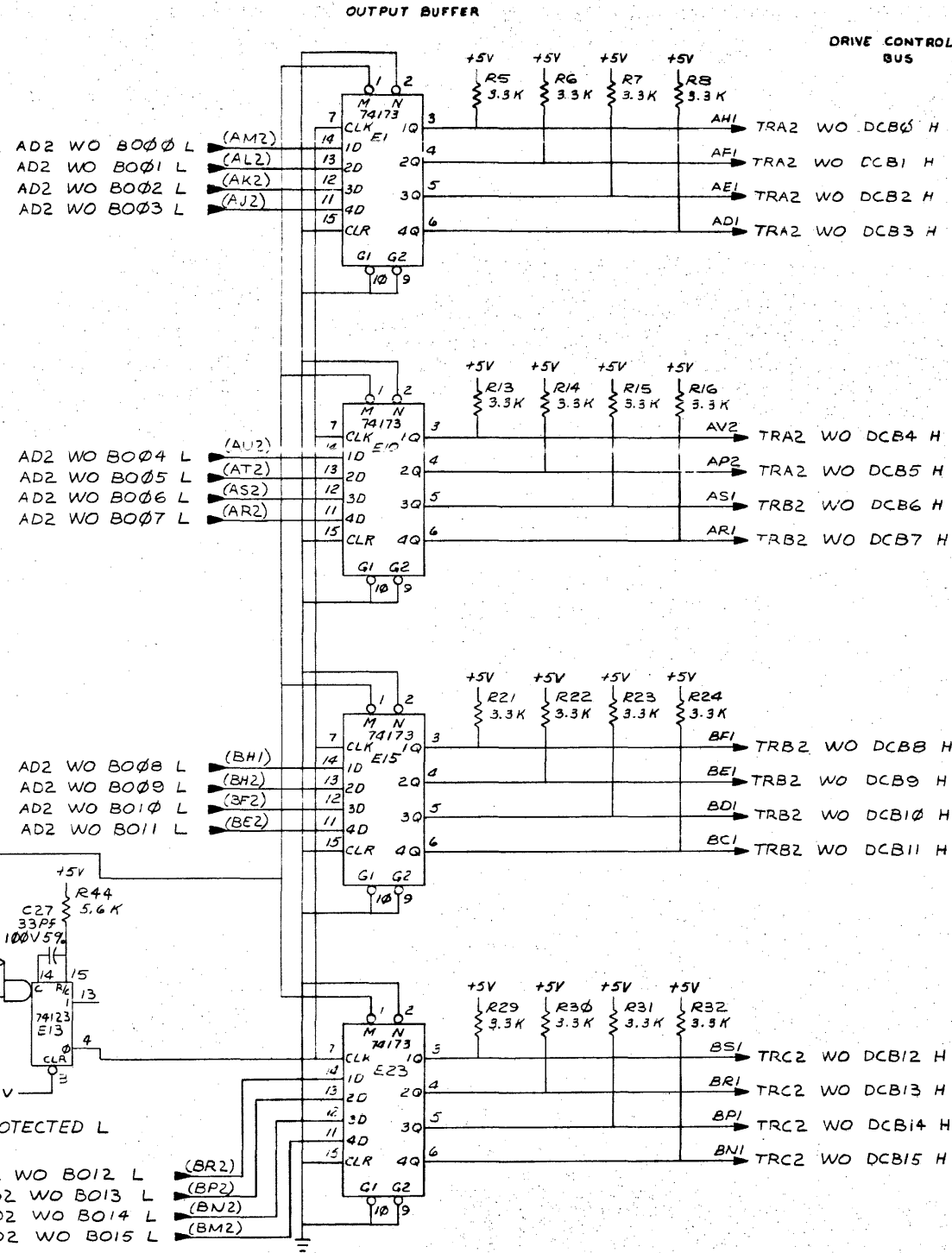
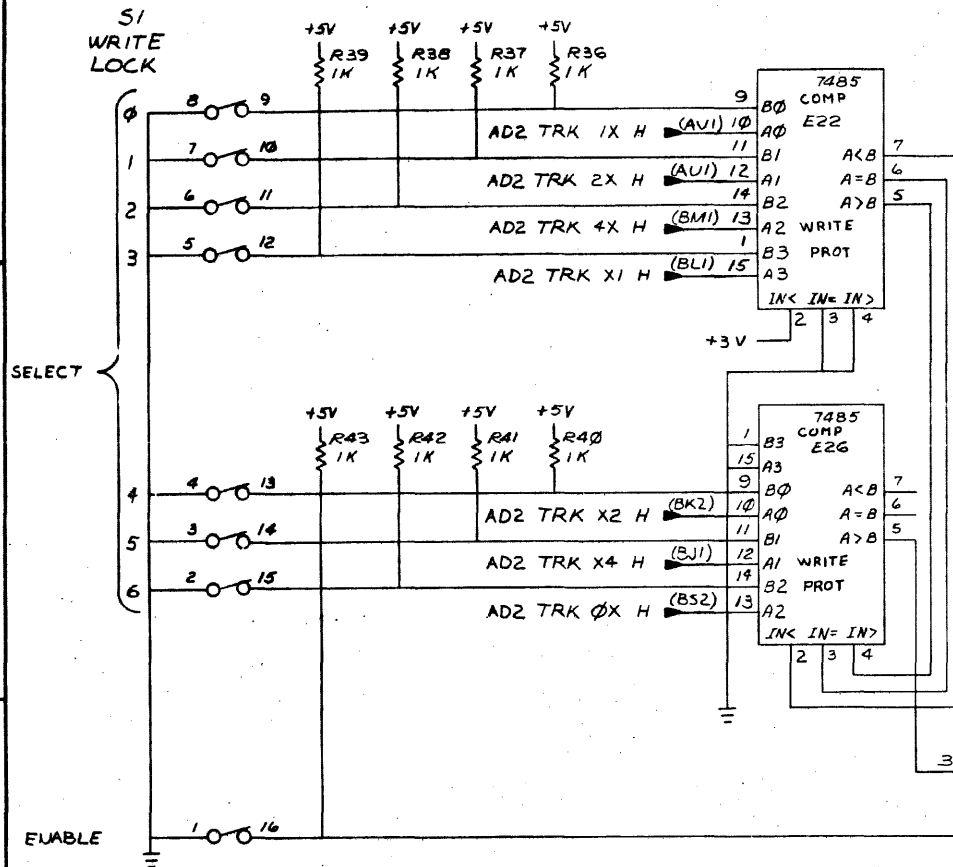
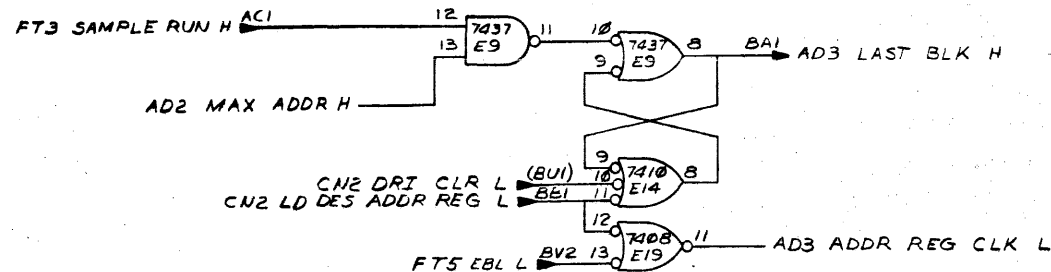


WO BOX L IS A "WIRED-OR" BUS OF ALL DRIVE REGISTERS WHICH IS LOADED INTO THE OUTPUT BUFFER (M7754) FOR ALL CONTROL BUS READ OPERATIONS.

CONTROL BUS PARITY + DESIRED ADDRESS REGISTER

REVISIONS			TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO	REV.	(AD2) ADDRESS REGISTER		D CSM7754-0-1		C		C	
			SCALE		SHEET 2 OF 3		DIST.			

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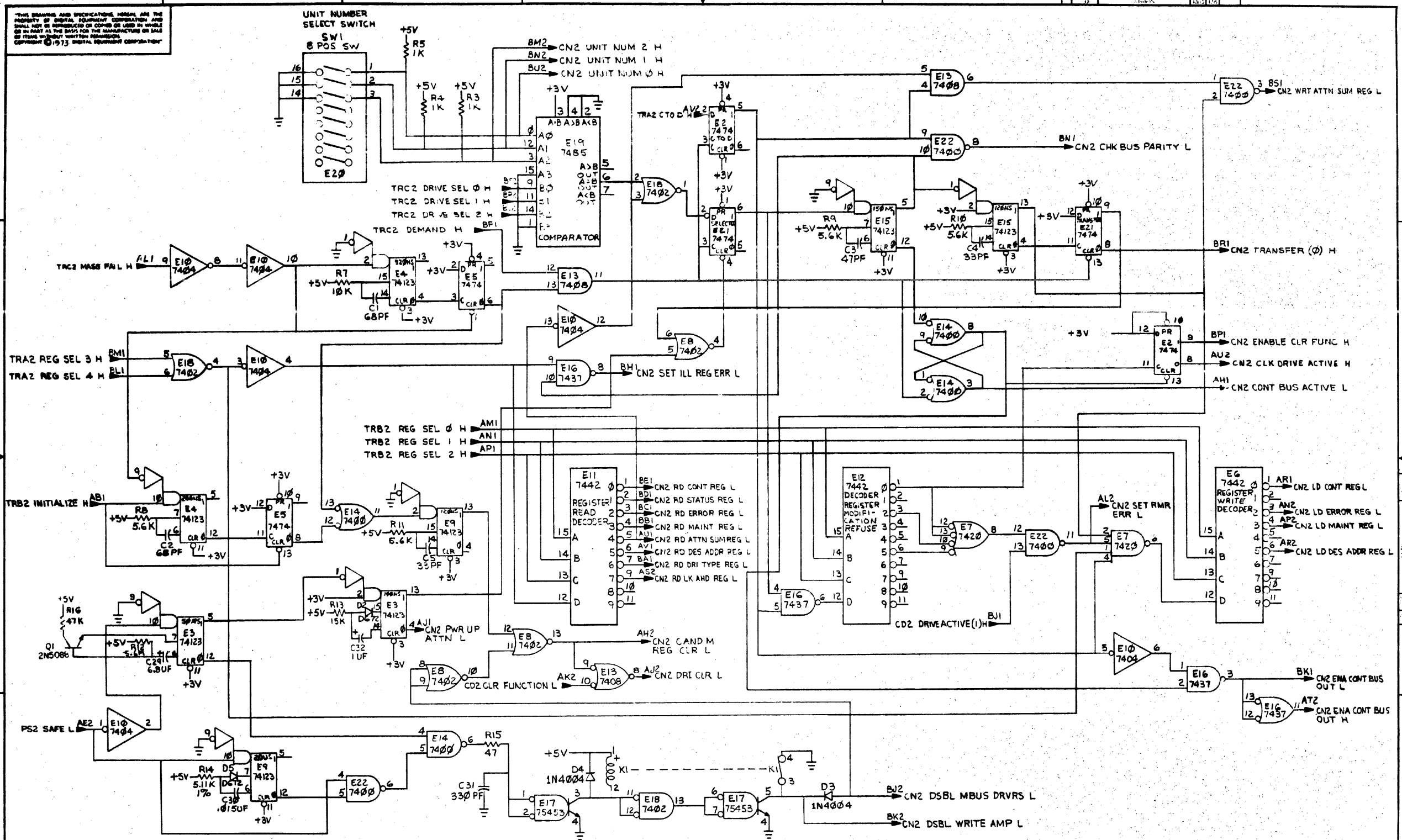


CHK	CHANGE NO.	REV.

TITLE	ADDRESS REGISTER	SIZE CODE	NUMBER	REV.
(AD3)	DCS M7754-0-1	C		
SCALE	SHEET 3 OF 3	DIST.		

PARTS LIST									
ETCH BOARD REV									
DRN		B. Nichols		DATE		6-27-73		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHKD		J. E. Quinn		DATE		7-23-73		TITLE	
BMA		M. Field		DATE		7/23/73		CONTROL	
PRBA BMA		M. Field		DATE		7/23/73			
PROD		H. Lawrence		DATE		7/23/73			
NEXT HIGHER ASSY		E-AD-7009236-0-0		SIZE CODE		NUMBER			
DEC NO.		EIA NO.		DCS		M7755-0-1		REV.	
SHEET		1		DST.					
CONVERSION CHART		OF 2							

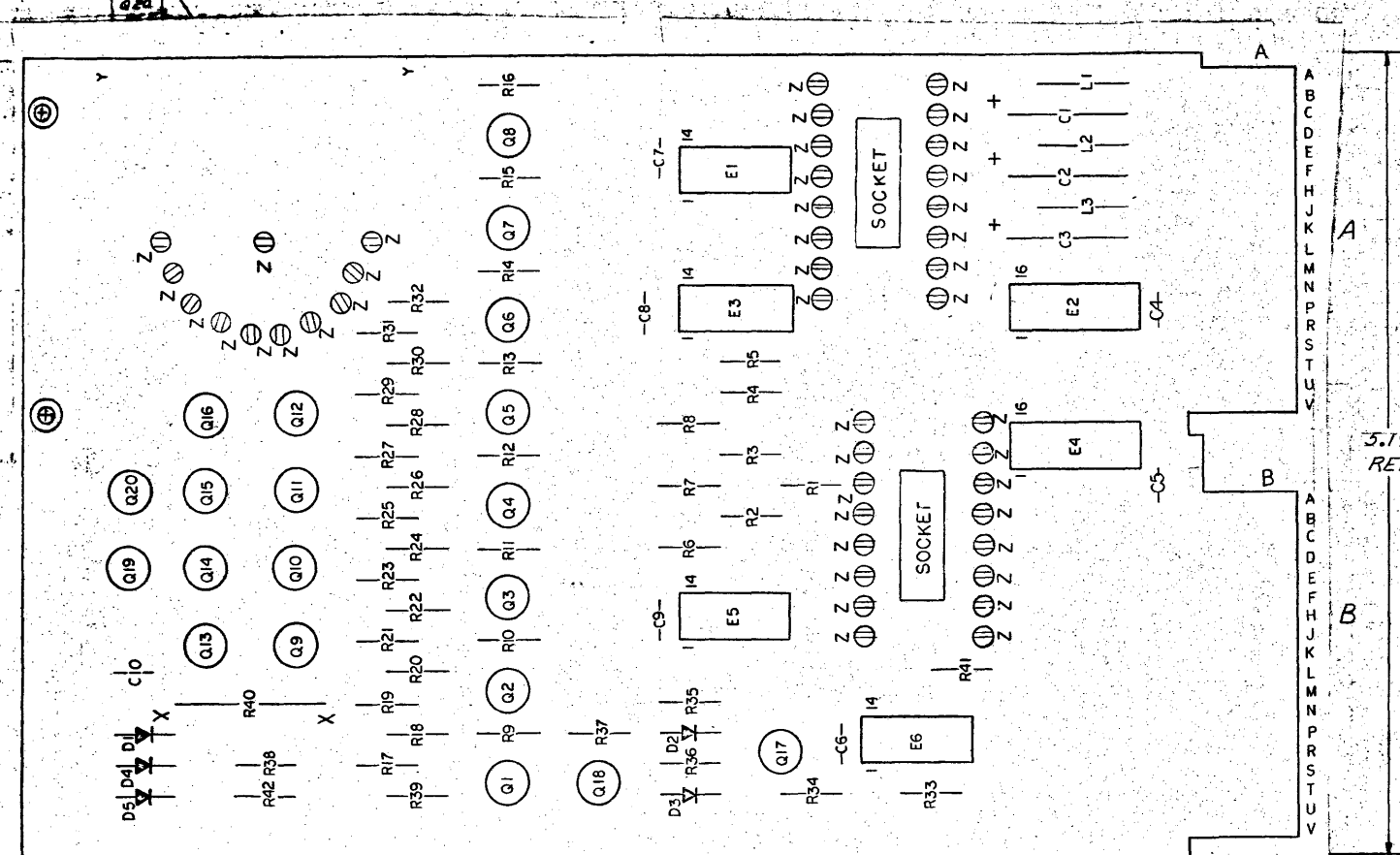
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NOTES:

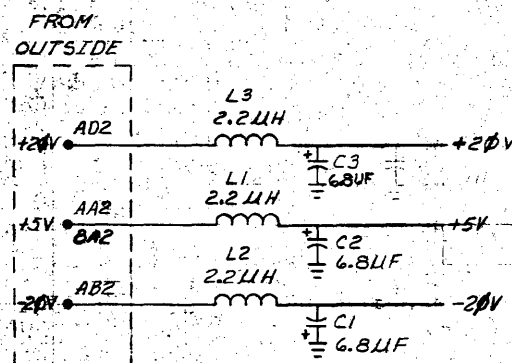
UNLESS OTHERWISE STATED:
ALL RESISTORS ARE 1/4 W, $\pm 5\%$.
ALL DIODES ARE 0672.

20-4YP MTG FOR
ITEM 23



5.19
REF

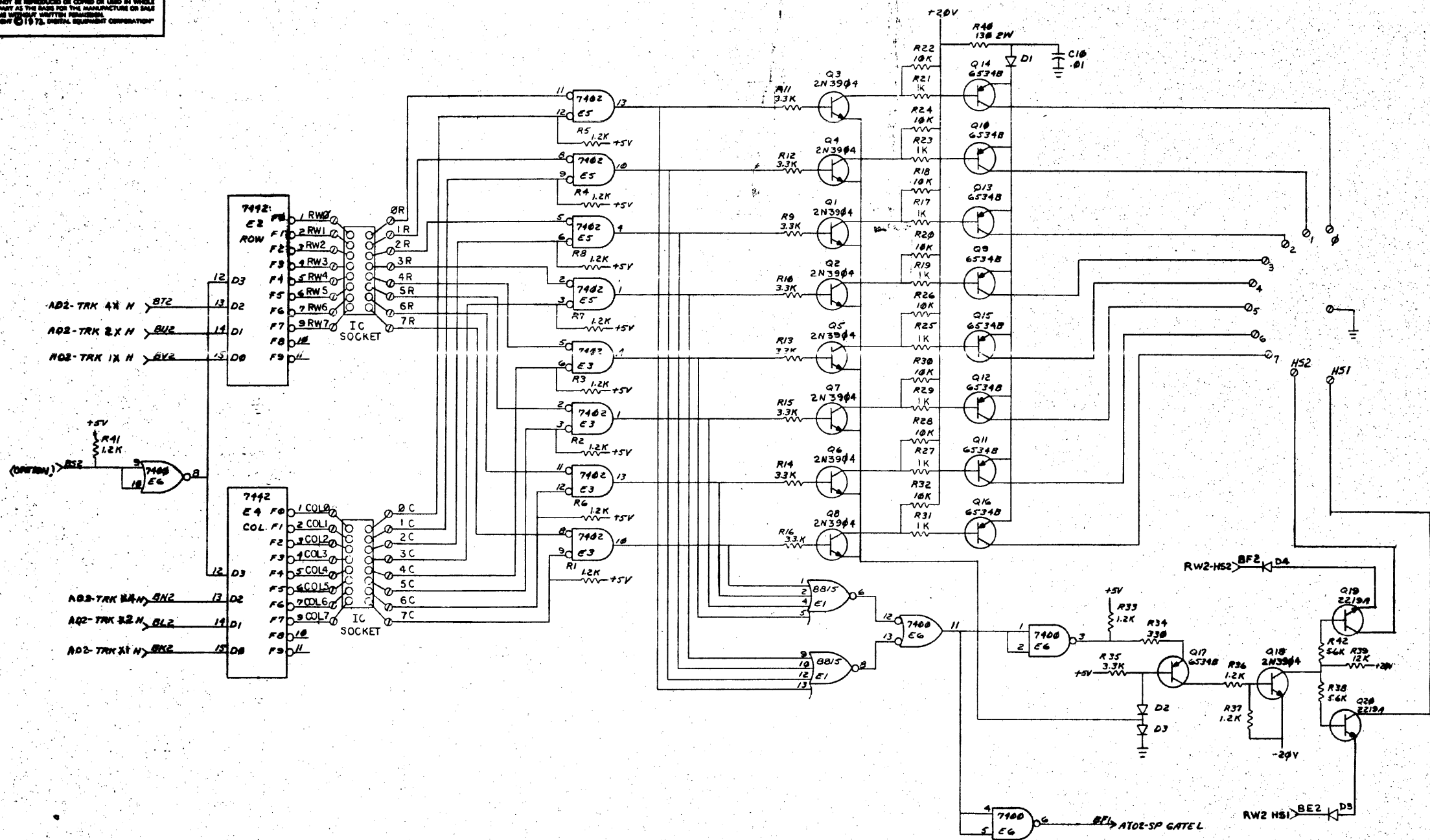
8	R17, R19, 21, 23, 25, 27, 29, 31	RES. 1K 1/4W 5%	1300365	31
2		IC SOCKET	1211813-02	30
43		HANDLE, FLTP-CHIP, MAGENTA	9006337-06	29
4		LUG, SPLIT	9006735	28
2	E2, F4	EYELET #G94-7	9006732	27
1	E1	IC DEC 7442	1900046	26
2	E3, E5	IC DEC 8815	1909713	26
2	Q19, Q20	IC DEC 7402	1909004	24
1	E6	TRANSISTOR, DEC 2219-4	1501883	23
9	Q9 THRU Q17	IC DEC 7400	1905575	22
2		TRANSISTOR, DEC 6534 B	1503409-01	21
9	Q1 THRU Q8, Q18	TRANSIPAD FOR DEC 2219-4	9007200	20
1	R40	TRANSISTOR, 2N 3904	1509524	19
2	R38, R42	RES. 130 1/2W 5%	1304832	17
1	R39	RES. 5.6K 1/4W 5%	1301874	16
12	R36, R37, R41, R1 THRU R3, R33	RES. 12K 1/4W 5%	1300488	15
		RES. 1.2K 1/4W 5%	1301320	14
				13
				12
8	R18, R20, R22, R24, R26	RES. 10K 1/4W 5%	1300479	11
9	R9 THRU R16, R35	RES. 3.3K 1/4W 5%	1300439	10
1	R34	RES. 330 1/4W 5%	1500295	9
3	L1, L2, L3	INDUCTOR, 2.2 LH	1609756	8
5	D1 THRU D5	DIODE D672	1105275	7
7	C4, THRU C10	CAP. 0.1UF, 50V, 20% AX. CER.	1001610	6
3	C1, C2, C3	CAP. 6.8UF, 35V, 10% 5.TANT	1005306	5
1		ETCHED CIRCUIT BOARD	5010017	4
REF		MODULE ECO HISTORY	B-MH-M7756-04	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M7756-0-5	2
REF		XY COORDINATE HOLE LOCATION	K-CO-M7756-0-4	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

[illegible][illegible]

<i>C. R. McLean</i>	R. ROTTMAUER	<i>John C. McLean</i>	9/24/75	H	M7756-00004	11/4/76	PMcLEAN	<i>St. Elizabeth</i>	10-30-74	M7756-00003	F	10-10-74	<i>P. McLean</i>	74. November	5-28-74	M7756-0-000002	E	<i>Sam S. McLean</i>	8-23-73	SW HILL	<i>Sam S. McLean</i>	8-23-73	M7756-1	D
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FIRST USED ON OPTION MODEL RS03/ RS04				PARTS LIST											
ETCH BOARD REV															
				DRN 11/8/80		DATE 8-1-72		 EQUIPMENT CORPORATION MATERN, MASSACHUSETTS		ALTERNATE TRACK OPTION					
				CHG'D 12/1/80		DATE 11-7-72									
				ENG 5/8/81		DATE 4-11-73									
				PROL EING 5/8/81		DATE 8-11-73									
				PROD 1/2/82		DATE 3/23/72									
				NEXT HIGHER ASSY +											
DEC NO.		EIA NO.		DEC NO.		EIA NO.		SIZE CODE		NUMBER		REV			
								DCSM7756-0-1				A			
SEMICONDUCTOR CONVERSION CHART															
SCALE				SHEET 1 OF 2											
				DIST.											

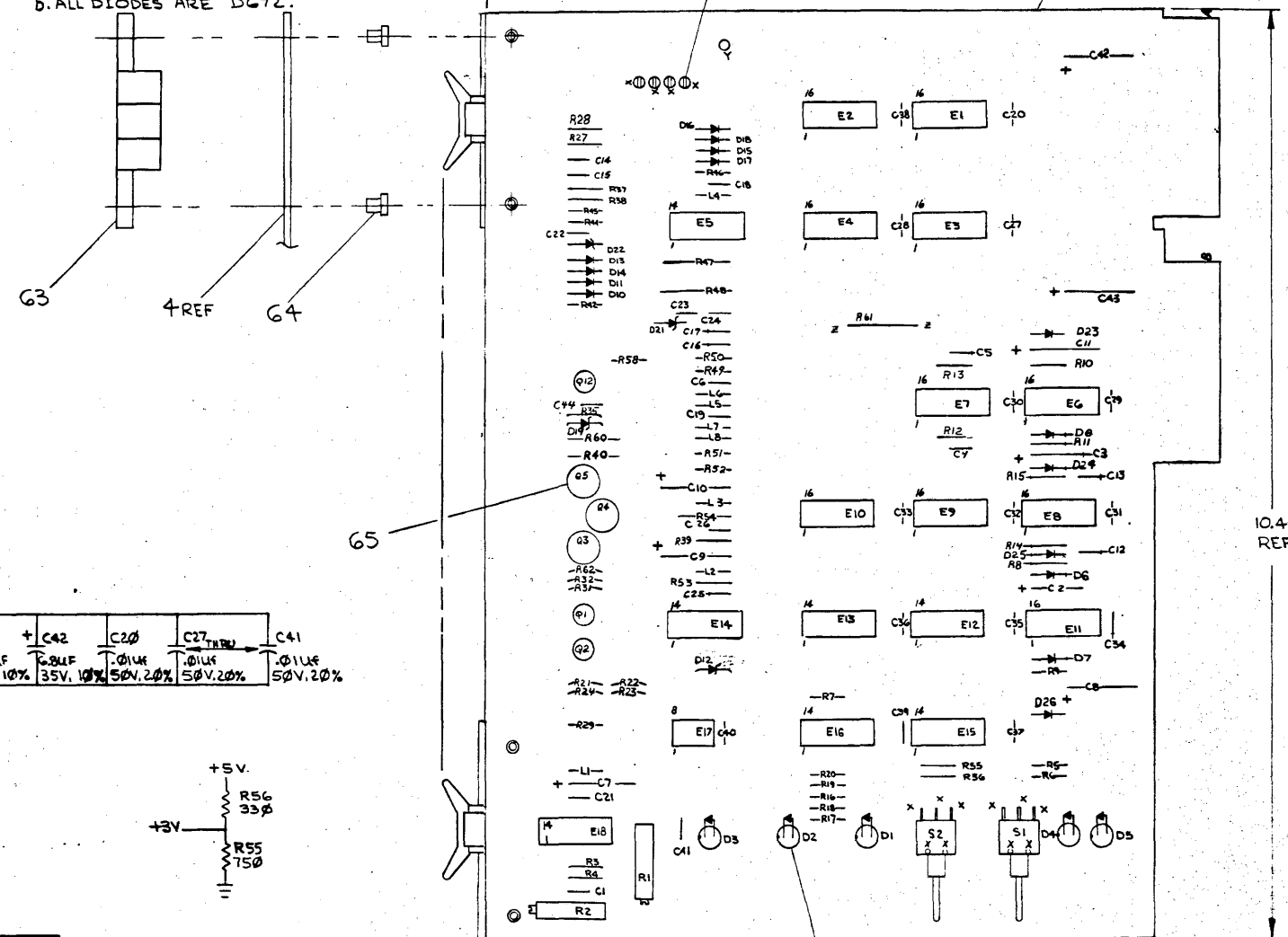
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REV.	CHANGE NO.	REV.
1		

NOTES:

1. a. $\perp$ INDICATES DIGITAL GROUND.
 - b. ∇ INDICATES ANALOG GROUND.
 - c. ∇ INDICATES VCO GROUND.
 - d. ALL GROUNDS WILL TIE TOGETHER AT AC2, AT1, BC2 AND BT1
2. UNLESS OTHERWISE SPECIFIED:
- a. ALL RESISTORS ARE $\frac{1}{4}$ -W, $\pm 5\%$ AND RESISTANCE IS IN OHMS.
 - b. ALL DIODES ARE DG72.

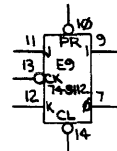


1414L	11	-	3,10
74S112	8	16	
MC4024P	9,7	13,14	
74191	8	16	
74123	8	16	
75451	4	8	
IC TYPE	GND	+5V	+12V

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

IC PIN LOCATIONS

SPARE



REF		X-Y COORDINATE HOLE LOCATION	K-00-M7757-B-4	1
REF		ADJUST/DRILLING HOLE LAYOUT	D-M-M7757-B-5	2
REF		MODULE ECO HISTORY	B-M-M7757-B-6	3
1		ETCHED CIRCUIT BOARD	8010001	4
1	C1	CAPACITOR 22PF 100V 5% OM	1005028	5
1	C2	CAPACITOR 3.0UF 100V 10% S.TANT	1000004	6
1	C3	CAPACITOR 10UF 35V 10% S.TANT	1001178	7
1	C4	CAPACITOR 220PF 100V 5% D.M	1000072	8
7	C7, C8, C10, C42, C43, C11	CAPACITOR 5.0UF 35V 10% S.TANT	1005300	9
2	C14, C15	CAPACITOR 22UF 50V CER	1010274	10
4	C16, C17, C13, C12	CAPACITOR .047UF 50V 10% CER	1010978-32	11
2	C18, C5	CAPACITOR 800PF 100V 5% D.M	1000026	12
1	C19	CAPACITOR 27PF 100V 5% OM	1001730	13
23	C20, C41, C44	CAPACITOR .01UF 100V 20%	1001610 - 01	14
1	C6	CAPACITOR 47PF 100V 5% OM	1000011	15
5	D1-D5	LIGHT EMITTING DIODE	1110324	16
15	D6, D7, D8, D10, D11, D23-D26, D13-D18	DIODE 0672	1105275	17
1	D12	DIODE 3.3V ZENER 1W46A	1110460	18
2	D21, D22, D13	DIODE 6.2V ZENER 1W753A	1102421	19
2	S1, S2	SWITCH, TOGGLE, SPDT	1200484	20
5		SPACER	1210005	21
2	R1, R2	RESISTOR 5K 1/4W 10%PT	1300143-0-5	22
2	R3, R4	RESISTOR 33K 1/4W 10%	1300518	23
3	R5, R6, R7	RESISTOR 1K 1/4W 5%	1300365	24
3	R8, R9, R10	RESISTOR 33.2K 1/4W 1%	1305420	25
1	R15	RESISTOR 2.4.9K 1/8W, 1%	1305405	26
1	R14	RESISTOR 14.7K 1/4W 1%	1302941	27
1	R12	RESISTOR 5.62K 1/4W 1%	1305120	28
2	R13, R11	RESISTOR 10K 1/4W 1%	1303312	29
1	R5W	RESISTOR 22 1/4W 10%	1300100	30
5	R16-R20	RESISTOR 220 1/4W 5%	1300271	31
5	R21-R24, R62	RESISTOR 511 1/4W 1%	1302411	32
1	R29	RESISTOR 2.74K 1/4W 1%	1304000	33
4	R31, R32, R27, R20	RESISTOR 1K 1/4W 1%	1303114	34
4	R37-R39, R50	RESISTOR 3.3K 1/4W 5%	1300439	35
1	R40	RESISTOR 27 1/4W 5%	1300025-3	36
1	R42	RESISTOR 820 1/4W 5%	1301775	37
3	R44, R45, R65	RESISTOR 1.2K 1/4W 5%	1301320	38
1	R46	RESISTOR 100 1/4W 5%	1300229	39
2	R47, R40	RESISTOR 300 1/4W 5%	1300292	40
2	R40, R50	RESISTOR 750 1/4W 1%	1301005	41
2	R51, R52	RESISTOR 625 1/4W 1%	1305143	42
1	R53	RESISTOR 300 1/4W 5%	1300500	43
1	R54	RESISTOR 820 1/4W 10%	1300350	44
1	R56	RESISTOR 300 1/4W 5%	1300235	45
1	R55	RESISTOR 750 1/4W 5%	1301401	46
1	R61	RESISTOR 130 1/4W 5%	1300240	47
3	L1, L2, L3	INDUCTOR 2.2UH	1000730	48
2	L5, L6	INDUCTOR 47UH	1010271	49
3	L7, L8, L4	INDUCTOR 12 UH	1000350	50
3	Q1, Q2, Q12	TRANSISTOR DEC 00340	1503400-B1	51
3	Q3, Q4, Q5	TRANSISTOR DEC 2219-2	1501003	52
1	E10	IC MC 4024	1011030	53
4	E1, E2, E3, E4	IC DEC 74101	1010000	54
2	E10E9	IC DEC 74S112	1010545	55
2	E10, E13	IC DEC 7400	1005575	56
4	E7, E8, E11, E8	IC DEC 74123	1010436	57
2	E15, E12	IC DEC 7474	1005547	58
1	E17	IC DEC 75451	1010400	59
1	E5	IC DEC 72730	1010044	60
1	E14	IC DEC 1414L	1010037	61
4		SPLIT LUGS	0000735	62
4		HANDLE, FLIP CHIP (MAGENTA)	0000337-B	63
8		EYELET	0000732	64
3		TRANSIPAD	0007200	65
1	D19	DIODE ZENER 6.3V 2%	1110906	66

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
-----	-----------------	-------------	----------	----------

	PARTS LIST									
ETCH BOARD REV	E									

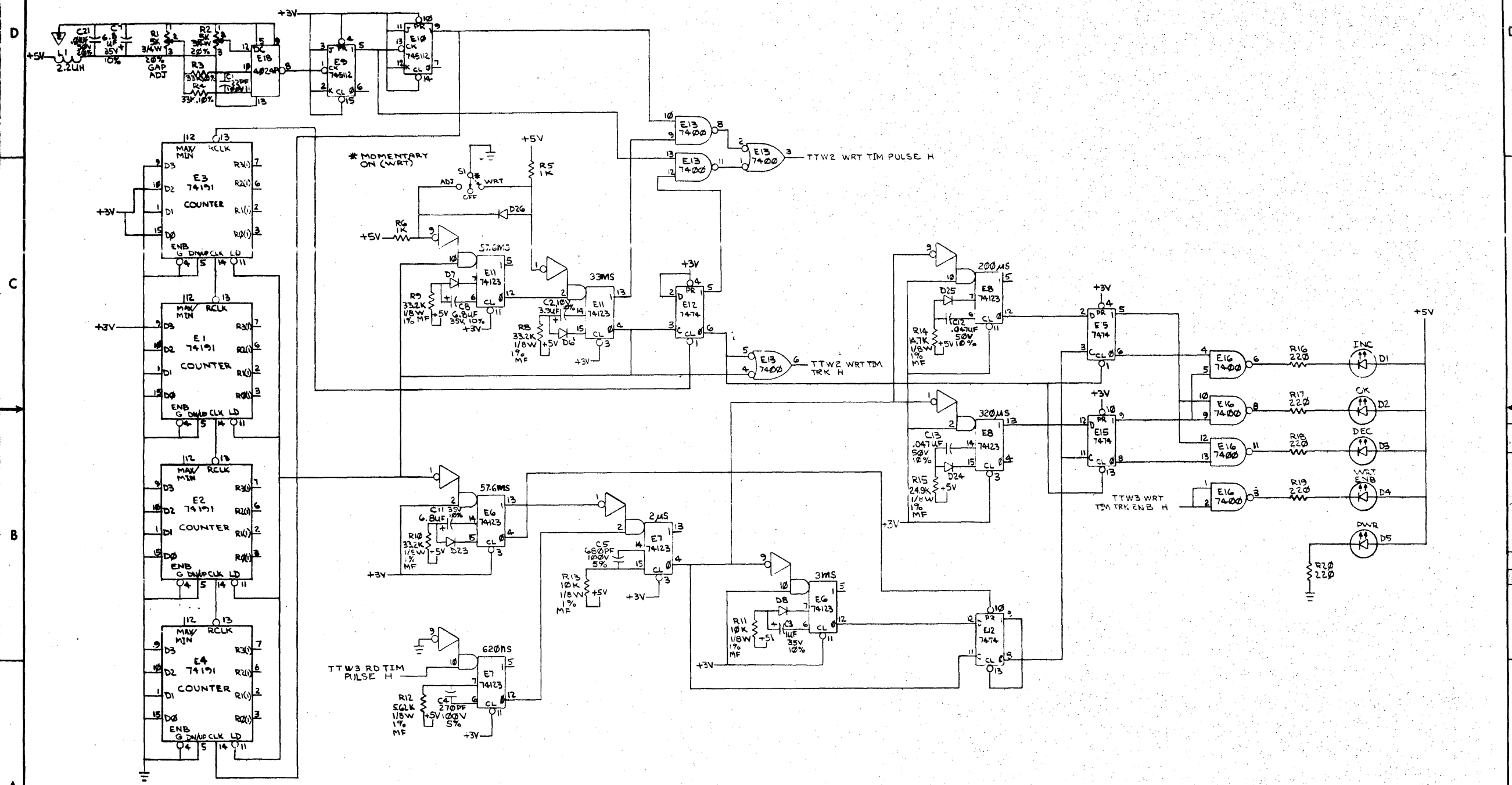
ETCH BOARD REV		DRN <i>Carling</i>		DATE <i>5/17/73</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
		CHK'D <i>Broom</i>		DATE <i>5/15/73</i>		
		ENG. <i>MM</i>		DATE <i>5/15/73</i>	TITLE TIMING TRACK WRITER	
		PROD. ENG. <i>MM</i>		DATE <i>5/15/73</i>		
		PROD. <i>Carling</i>		DATE <i>5/23/73</i>		
		NEXT HIGHER ASSY <i>SS</i>				
DEC NO.		EIA NO.		SCALE <i>SS</i> SHEET <i>1</i> OF <i>3</i>		REV <i>J</i>
R CONVERSION CHART				SIZE CODE D C S		NUMBER M7757-0-1
				DIST.		

FIRST USED ON OPTION MOD
RS04/TA

D672	1N3653
DEC NO.	EIA NO.
SEMICONDUCTO	

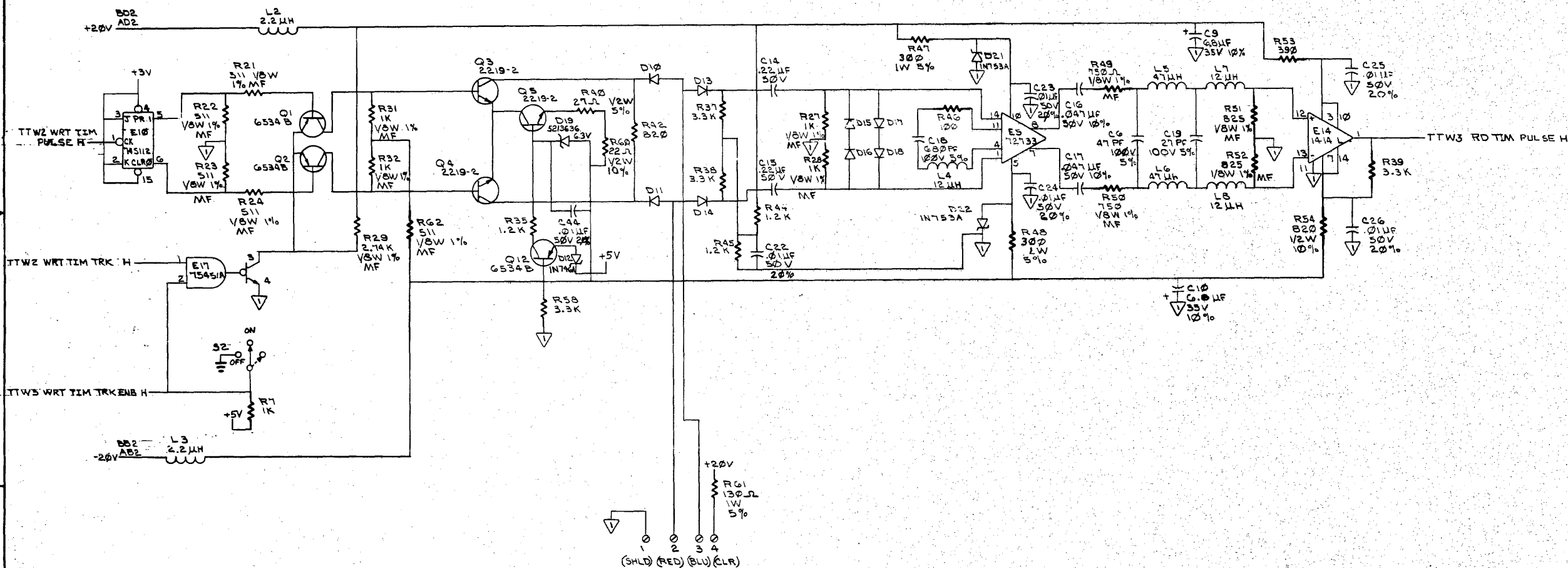
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REVISIONS		
CHK	CHANGE NO.	REV

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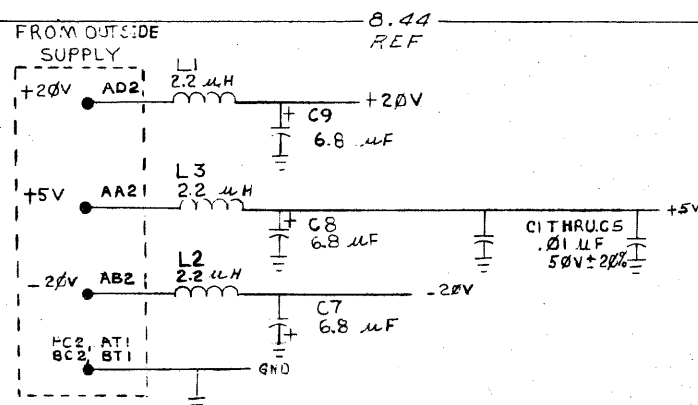
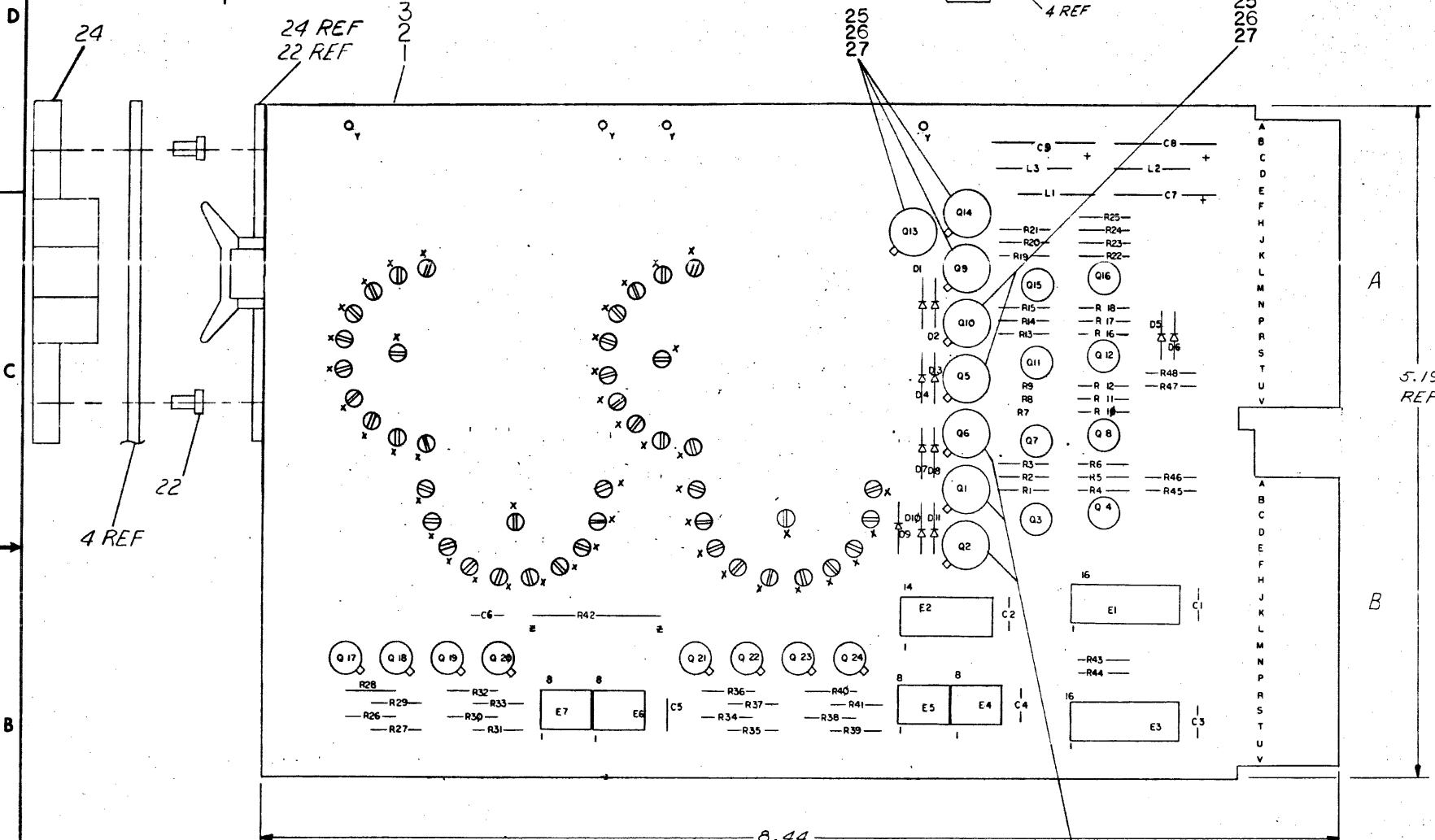
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		(TTW3)	SIZE CODE	NUMBER	REV.
TIMING TRACK WRITER		D	CSM7757-0-1	1	0
SCALE	SHEET	3	OF	3	DIST.

NOTES:

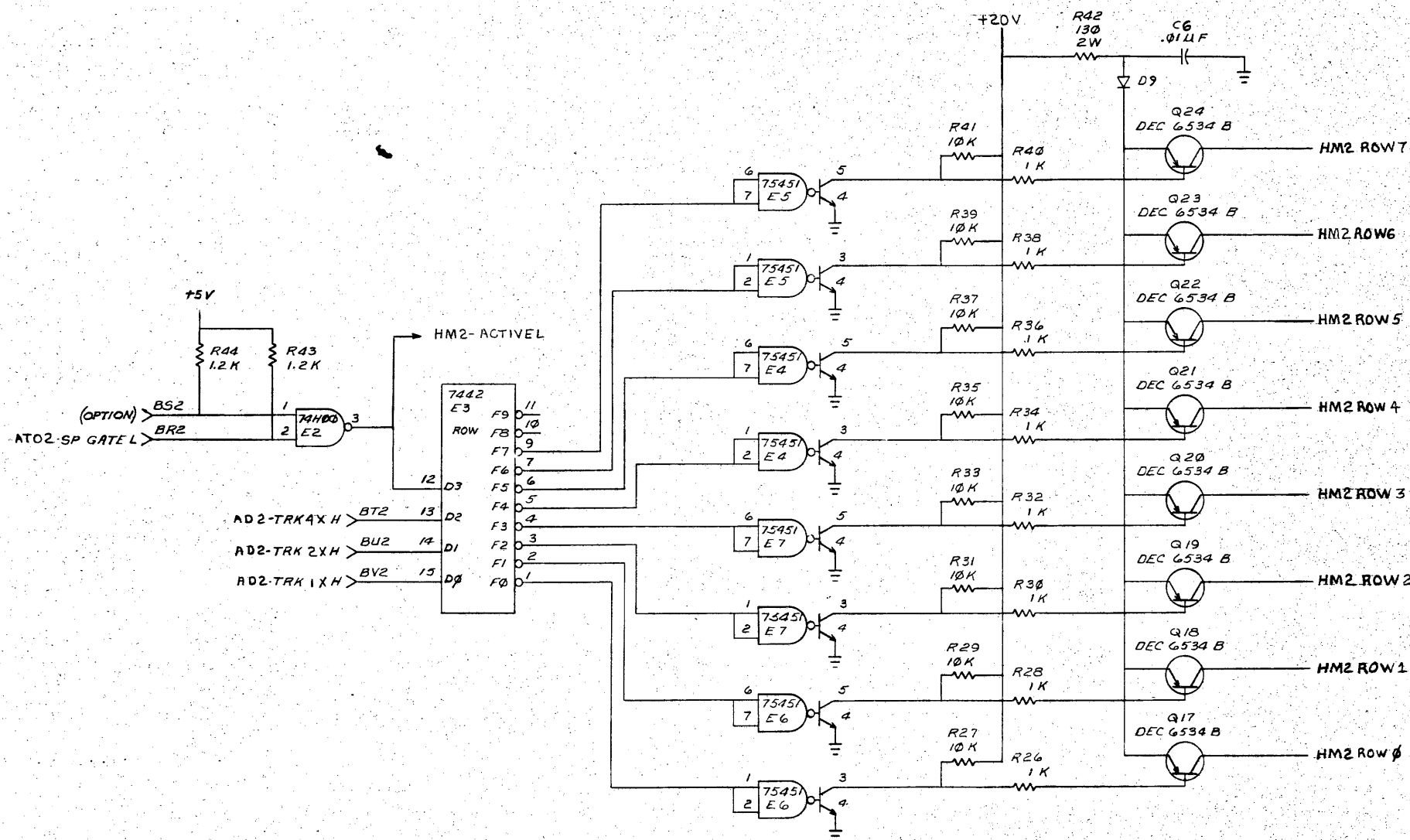
2. UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 1/4W, 1%.
ALL DIODES ARE 1N4148.
3. REFER TO WIRE LIST (PIN 50A) FOR SOURCE AND/OR DESTINATION.
4. DEPENDING ON MODEL LOCATION, PIN 50B MAY OR MAY NOT BE USED.
IF USED REFER TO WIRE LIST (PIN 50B) FOR SOURCE AND/OR DESTINATION.

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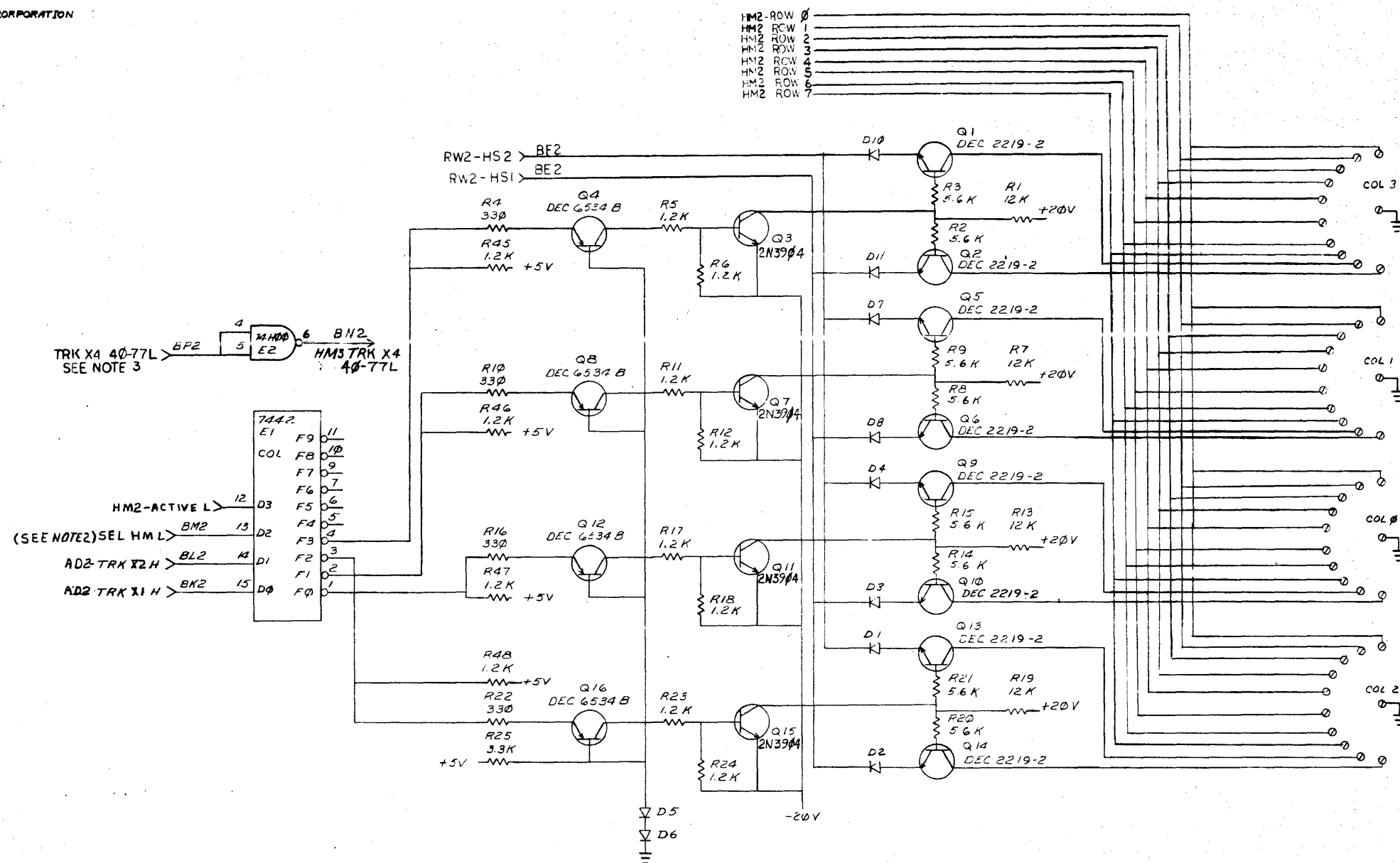
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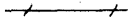
B	R26, 28, 30, 32, 34, 36, 38, 40	RES. 1K, 1/4W, 5%	1300365	28
A/R		PERMA BOND CEMENT	9009157	27
B		TRANSISTOR, CAP	9008351	26
B		TRANSIPAD FLIP DEC 2219-2	9007220	25
2		HANDLE, FLIP CHIP, (MAGENTA)	9006337-06	24
44		LUG, SPLIT	9005735	23
4		EYELET, HGS-4-7 STIMPSON	9005732	22
4	E4, E5, E6, E7	IC DEC 75451	1900490	21
2	E1, E3	IC DEC 7442	1900046	20
1	E2	IC DEC 74H00	1900056	19
B	Q1, Q2, Q5, Q6	TRANSISTOR, DEC 2219-2	1301883	18
	Q9, Q10, Q13, Q14			
4	Q3, Q7, Q11, Q15	TRANSISTOR, 2N3904	1509524	17
12	Q4, Q8, Q12	TRANSISTOR, DEC 6534B	1513409-01	16
	Q16 THRU Q24			
1	R42	RES. 100, 2W, 5%	1304832	15
4	R1, R7, R13, R19	RES. 12K, 1/4W, 5%	1300488	14
B	R2, R3, R8, R9, R14	RES. 5.6K, 1/4W, 5%	1301874	13
	R15, R20, R21			
14	R5, R6, R11, R12, R17	RES. 1.2K, 1/4W, 5%	1301320	12
	R18, R23, R24			
	R43 THRU R48			
B	R27, R29, R31, R33	RES. 10K, 1/4W, 5%	1300470	11
	R35, R37, R39, R41			
1	R25	RES. 3.3K, 1/4W, 5%	1300450	10
4	R4, R10, R16, R22	RES. 330, 1/4W, 5%	1300225	9
3	L1, L2, L3	CHOKE, 2.2UH	1609150	8
11	D1 THRU D11	DIODE, D672	1105575	7
3	C7, C8, C9	CAP. 6.8UF, 35V, 10%, 5.TANT	1005506	6
6	C1 THRU C6	CAP. 0.1UF, 50V, 20% AX. CER.	1005510	5
1		ETCHED CIRCUIT BOARD	5101177	4
REF		MODULE ECO HISTORY	F-11 M7753-02	3
REF		ASSY/DRILLING HOLE LAYOUT	F-11 M7758-02	2
REF		X-Y COORDINATE HOLE LOCATION	F-11 M7758-04	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

ETCH BOARD REV										E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/RS04					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		PARTS LIST			
DECIMALS		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
ANGLES		TITLE			
XXX - .005		HEAD MATRIX (HM12)			
XX - .02		SIZE CODE			
X - .1		NUMBER			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		D C S M 7758-0-1			
MATERIAL		REV.			
FINISH		H			
NEXT HIGHER ASSY.		SHEET 2 OF 3			
SCALE		DIST.			



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/RS04			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRAWN <i>U. Bissonnette</i>	DATE 6-23-72	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
		CHECKED <i>W. Hunkeler</i>	DATE 12-10-72		
DECIMALS	ANGLES	TITLE HEAD MATRIX (H.M.3)			
XXX + .005	±0° 30'				
.XX + .02					
.X + .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		ENG. <i>CHARS. C. Chir</i>	DATE 3-22-73		
		PROJ. ENG. <i>CHARS. C. Chir</i>	DATE 3-22-73		
		PROD. <i>A. Karpelberg</i>	DATE 7/22/73		
MATERIAL	NEXT HIGHER ASSY.				
			SIZE CODE	NUMBER	REV.
FINISH	SCALE 		D	C S M 7758-0-1	H
	SHEET 3 OF 3		DIST.		

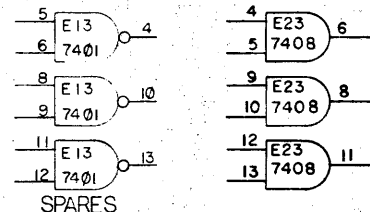
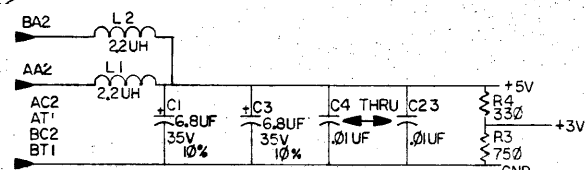
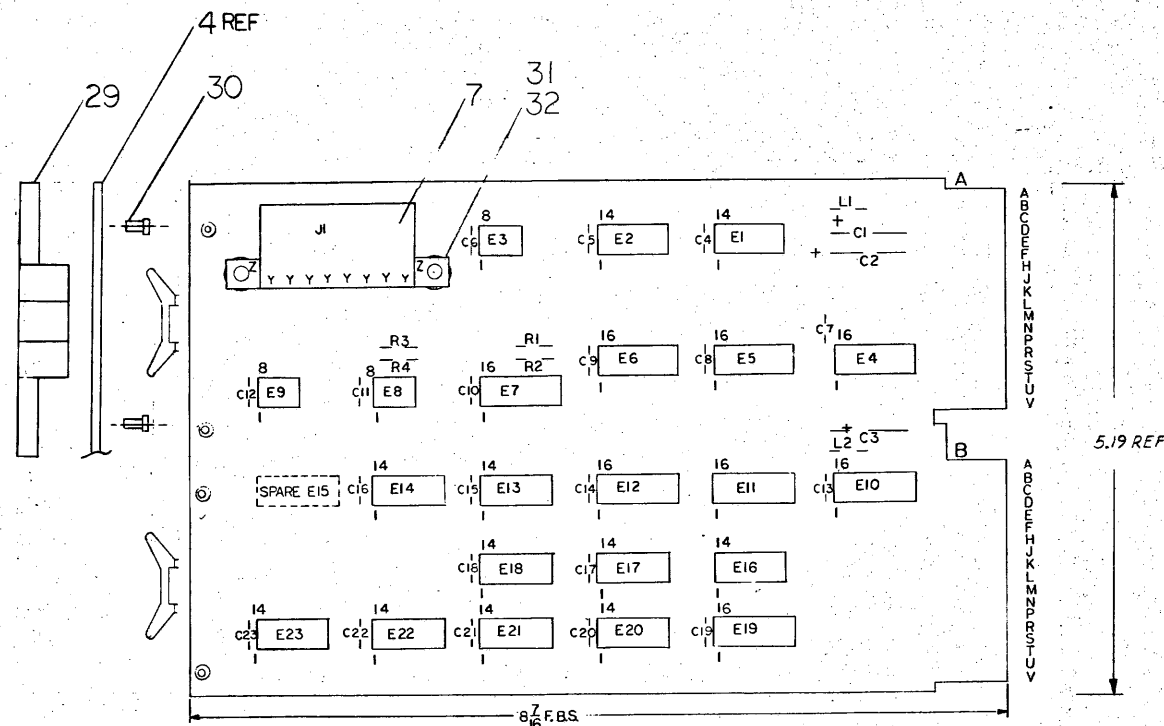
NOTES:

UNLESS OTHERWISE SPECIFIED:

- a. RESISTORS ARE 1/4 W, 5% AND RESISTANCE IS IN OHMS.
- b. CAPACITORS ARE 50 V, 20%.

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IC	QTY	REF
IC 75453	4	8
IC 74145	8	16
IC 8234	8	16
IC 75451A	4	8
IC 74174	8	16
IC 74151	8	16
IC 74123	8	16
IC TYPE	GND	+5V

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

IC PIN LOCATIONS

REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF		X-Y GRID/WHITE HOLE LOCATION	K-CD-M7759-B-4	1
REF		ASSY/DRILLING HOLE LAYOUT	D-M-M7759-B-5	2
REF		MODULE ECO HISTORY	B-M-M7759-B-6	3
1		ETCHED CIRCUIT BOARD	5019196	4
20	C4 - C23	CAP .01 UF 50V 20%	1001610	5
3	C1 C2 C3	CAP 0.01 UF 35V 10%	1005306	6
1	J1	CONN MATE - N - LDK 8 SKT HSG/H	1206340-00	7
8		PIN MATE - N - LDK CONN	1206458	8
1	R4	RES 330 OHM 1/4 5%	1300295	9
1	R3	RES 750 OHM 1/4 5%	1301401	10
2	R1 R2	RES 5.6 K 1/4 5%	1301874	11
2	L1 L2	INDUCTOR 2.2 UH 10% 760 MA	1809758	12
1	E21	I.C. 7400	1905575	13
1	E13	I.C. 7401	1905580	14
1	E2	I.C. 7402	1908004	15
2	E16 E22	I.C. 7404	1909686	16
1	E18	I.C. 7410	1905576	17
1	E20	I.C. 7420	1905577	18
1	E17	I.C. 7430	1905578	19
1	E1	I.C. 7437	1910081	20
1	E19	I.C. 7442	1910046	21
1	E14	I.C. 7474	1905547	22
1	E7	I.C. 74123	1910436	23
1	E4	I.C. 74145	1910047	24
1	E10	I.C. 74151	1909936	25
2	E11 E12	I.C. 74174	1910652	26
2	E8 E9	I.C. 75451A	1910406	27
2	E5 E6	I.C. 8234	1911315	28
2		HANDLE, FLIP CHIP, MAGENTA	9006337-8	29
4		EYELET	9006732	30
2		EYELET	9006745	31
2		WASHER, NYLON	9006707	32
1	E23	I.C. 7408	1910155	33
1	E3	I.C. 75453	1911034	34

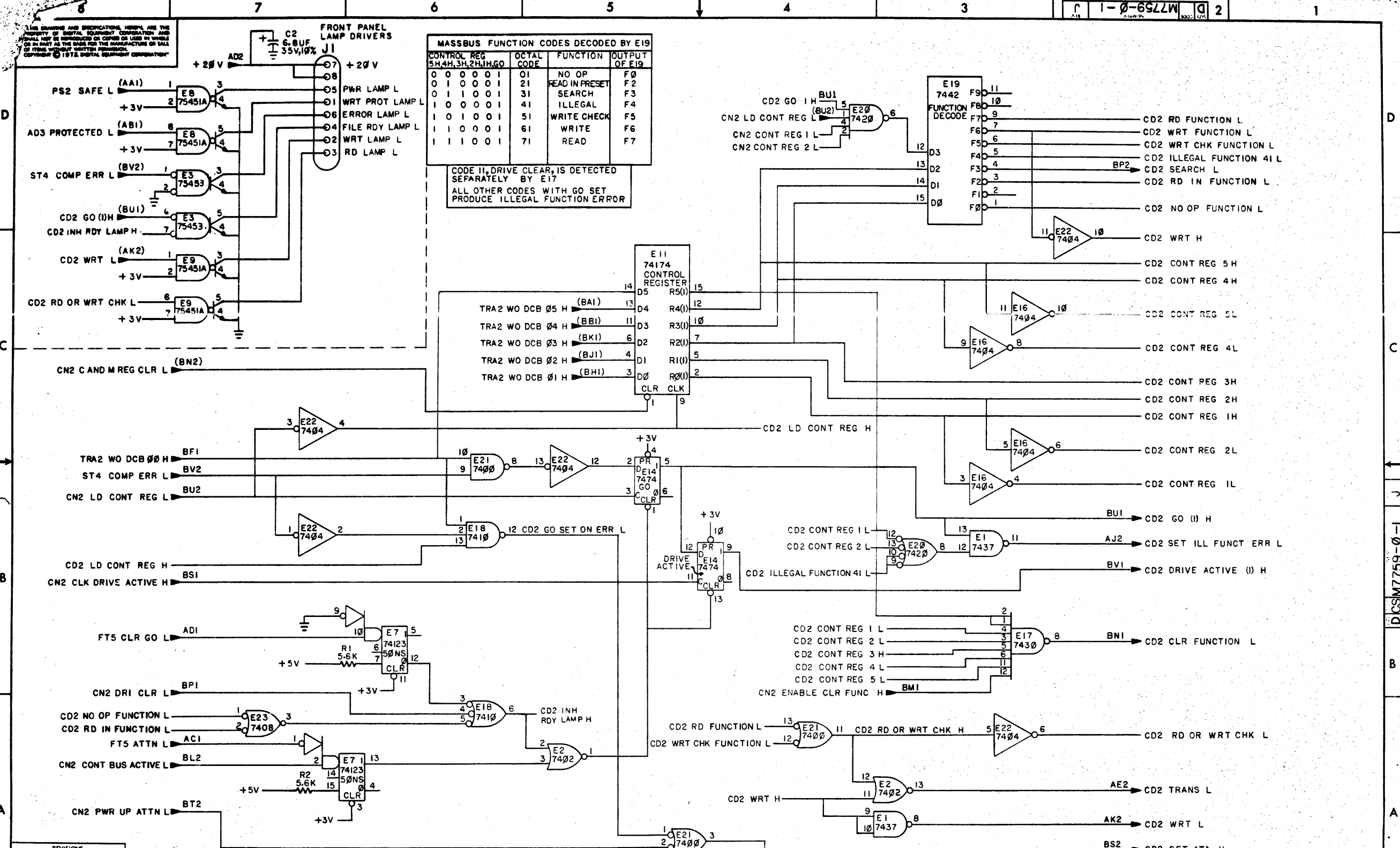
QTY	REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
ETCH BOARD REV: J					
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					
COMMAND DECODE (CD)					
DRN: <i>Progen</i> CHKD: <i>Progen</i> ENG: <i>F.F.A.V.A.</i> PROD. ENG: <i>F.F.A.V.A.</i> PROD. N.F. <i>A. K. K. K.</i> DATE: 7/13/73 DATE: 7/13/73 DATE: 7/13/73 DATE: 7/13/73 DATE: 7/13/73					
DEC NO. EIA NO. DEC NO. EIA NO.					
SEMICONDUCTOR CONVERSION CHART SCALE: NONE SHEET: 1 OF 3 SIZE CODE: DCS NUMBER: M7759-0-1 REV: J					

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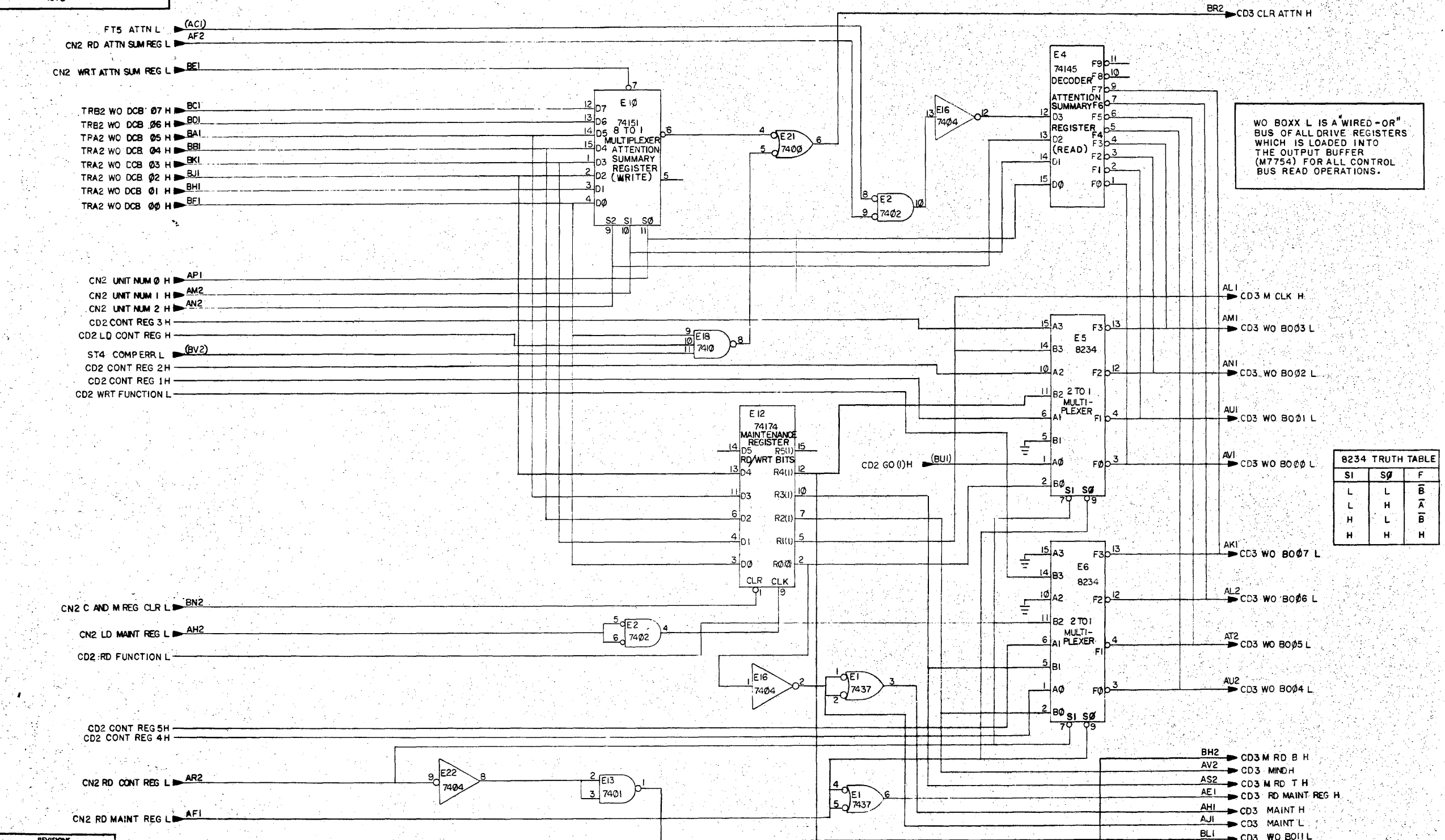
FRONT PANEL LAMP DRIVERS

MASSBUS FUNCTION CODES DECODED BY E19			
CONTROL REG	OCTAL CODE	FUNCTION	OUTPUT OF E19
5H,4H,3H,2H,1H,GO			
0 0 0 0 0 1	01	NO OP	F0
0 1 0 0 0 1	21	READ IN FRESET	F2
0 1 1 0 0 1	31	SEARCH	F3
1 0 0 0 0 1	41	ILLEGAL	F4
1 0 1 0 0 1	51	WRITE CHECK	F5
1 1 0 0 0 1	61	WRITE	F6
1 1 1 0 0 1	71	READ	F7

CODE 11, DRIVE CLEAR, IS DETECTED SEPARATELY BY E17
ALL OTHER CODES WITH GO SET PRODUCE ILLEGAL FUNCTION ERROR



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8234 TRUTH TABLE

SI	S0	F
L	L	B
L	H	A
H	L	B
H	H	H

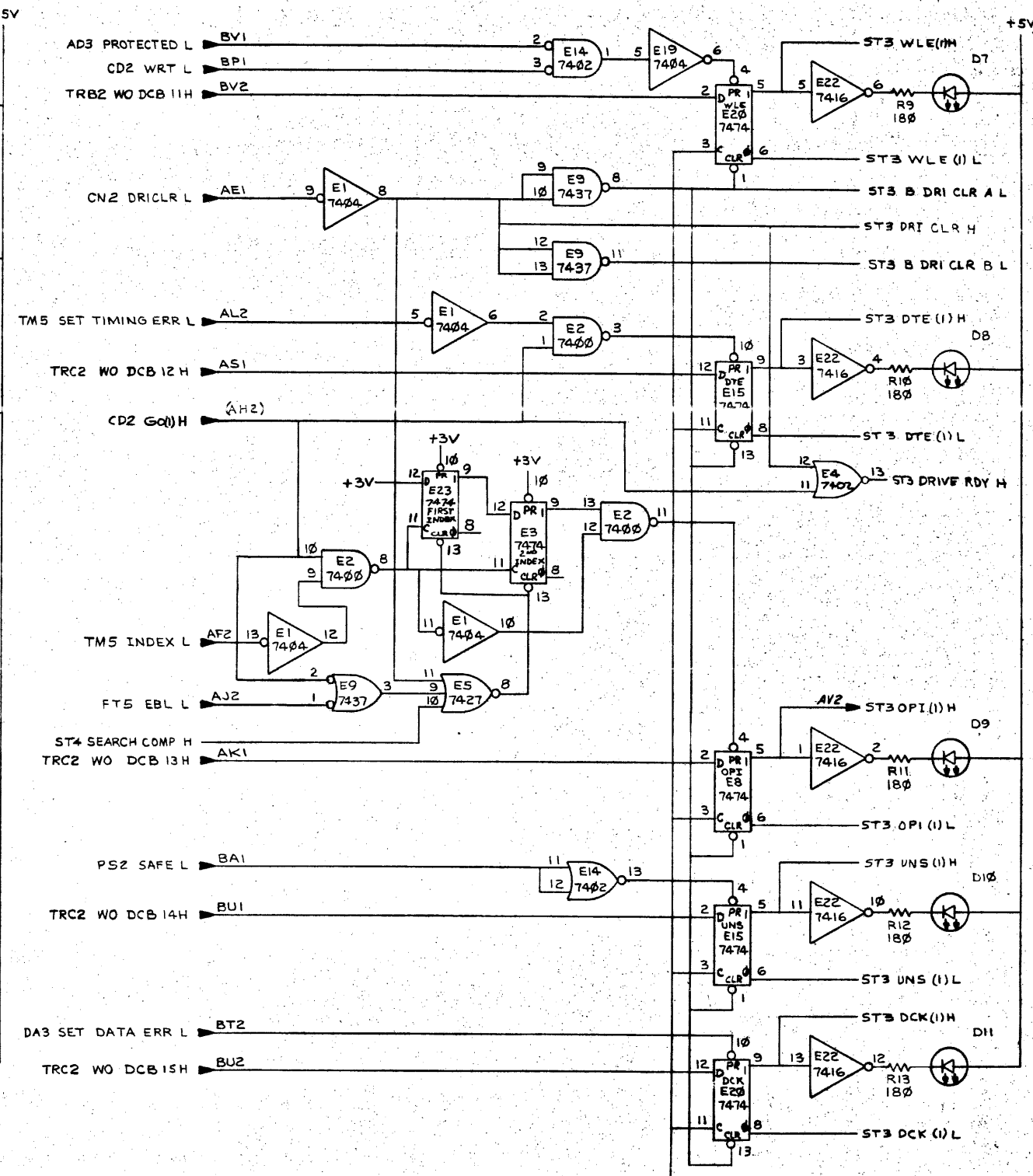
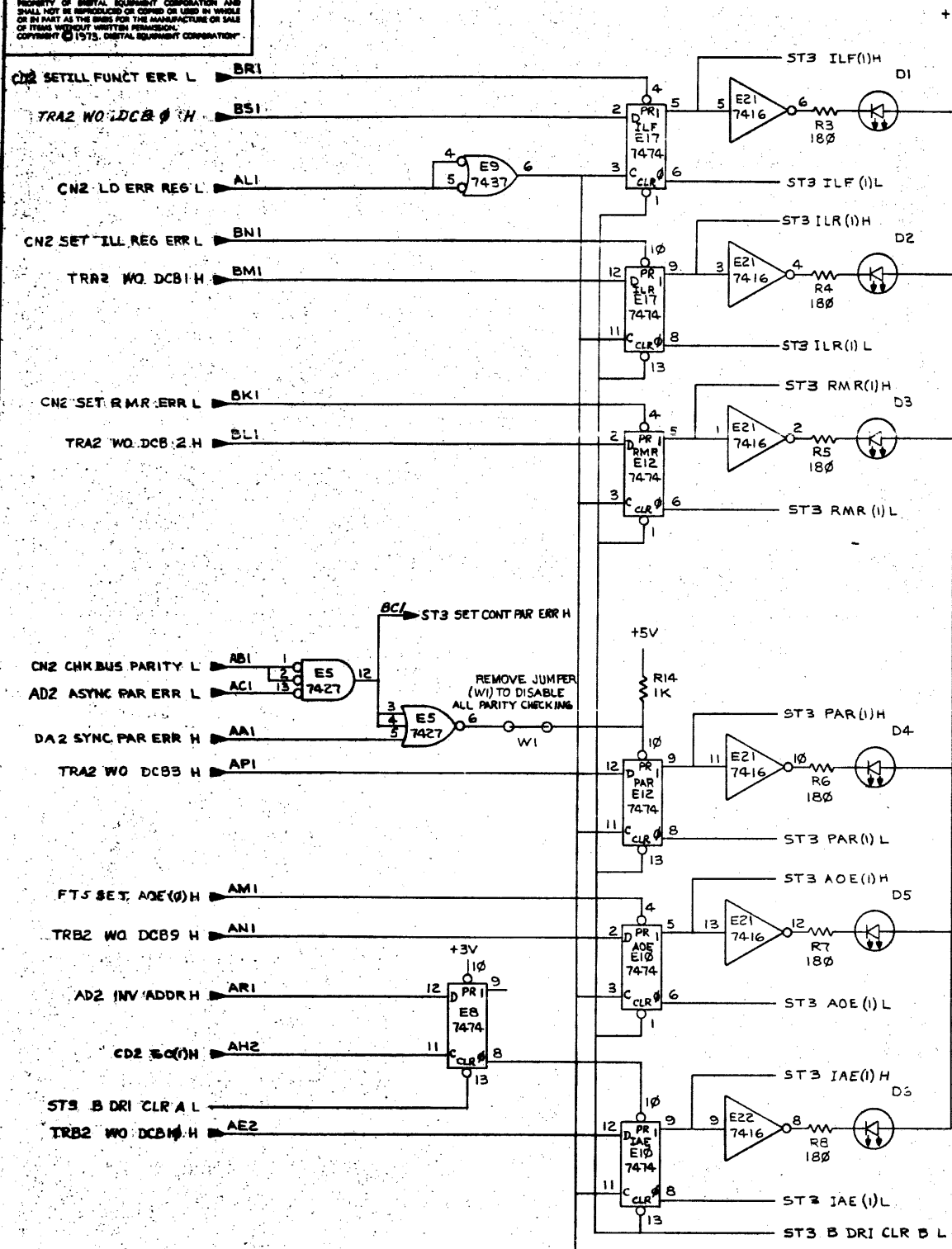
PAGE REVISION CONTROL SHEET

[illegible]

	DRN. <i>G. Bossman</i>	DATE <i>7/23/73</i>	d i g i t a l EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS									
	CHK'D <i>P. J.</i>	DATE <i>7/24/73</i>										
	ENG. <i>T. F. FAVA</i>	DATE <i>7/24/73</i>	STATUS (ST)									
	PROJ. ENG. <i>T. F. FAVA</i>	DATE <i>7/24/73</i>										
	PROD. <i>N. F.</i> <i>A. Karlsberg</i>	DATE <i>7/24/73</i>										
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	SCALE <i>H</i>		DIST.									
SHEET <i>1</i> OF <i>5</i>												

—

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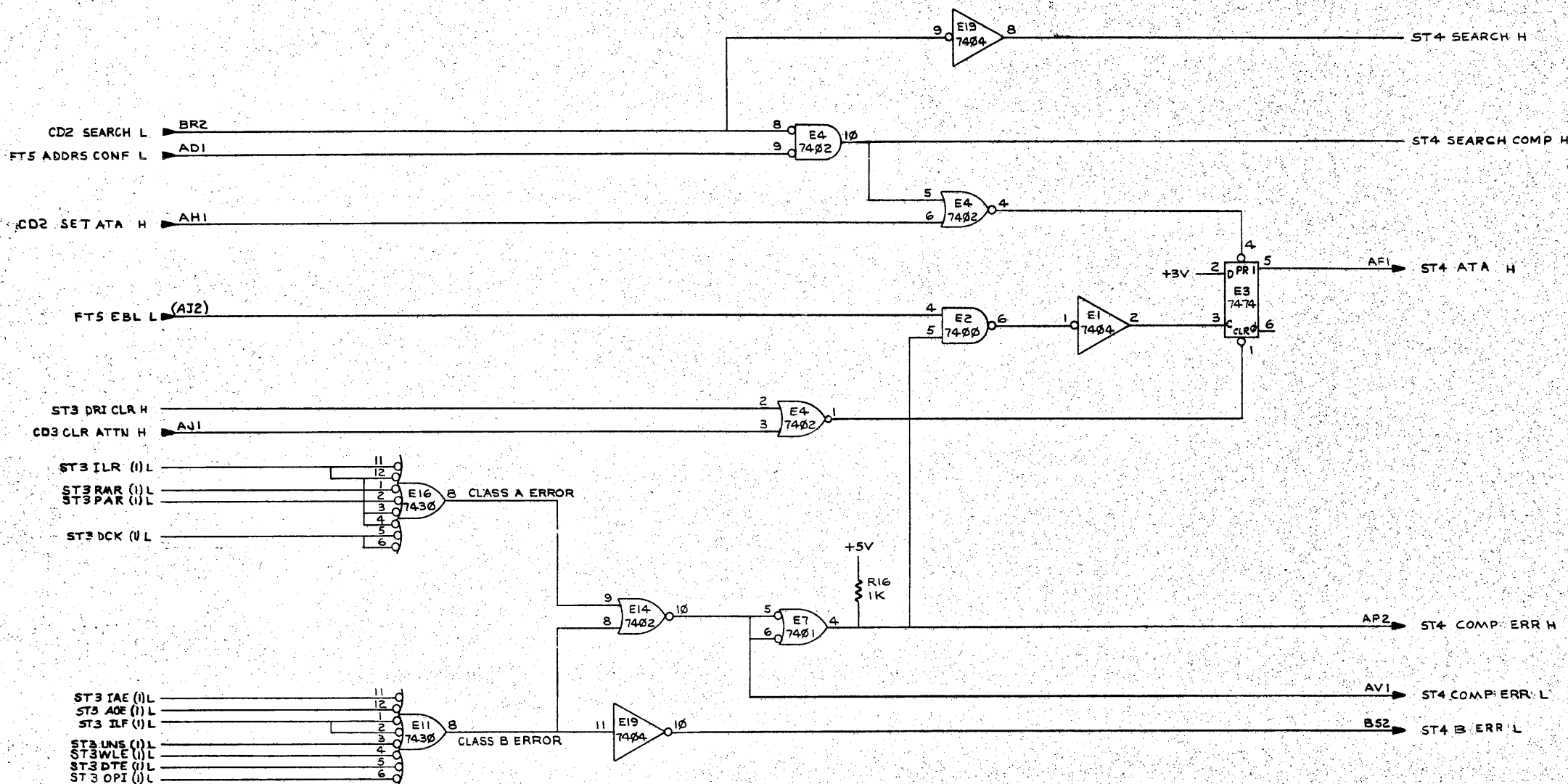


REV	CHANGE NO.	REV

TITLE		STATUS (ST3)		SIZE CODE	NUMBER	REV.
SCALE		SHEET 2 OF 5		DIST.	DCS M7770-0-1	0

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3 1-0-0777W 530 2 1



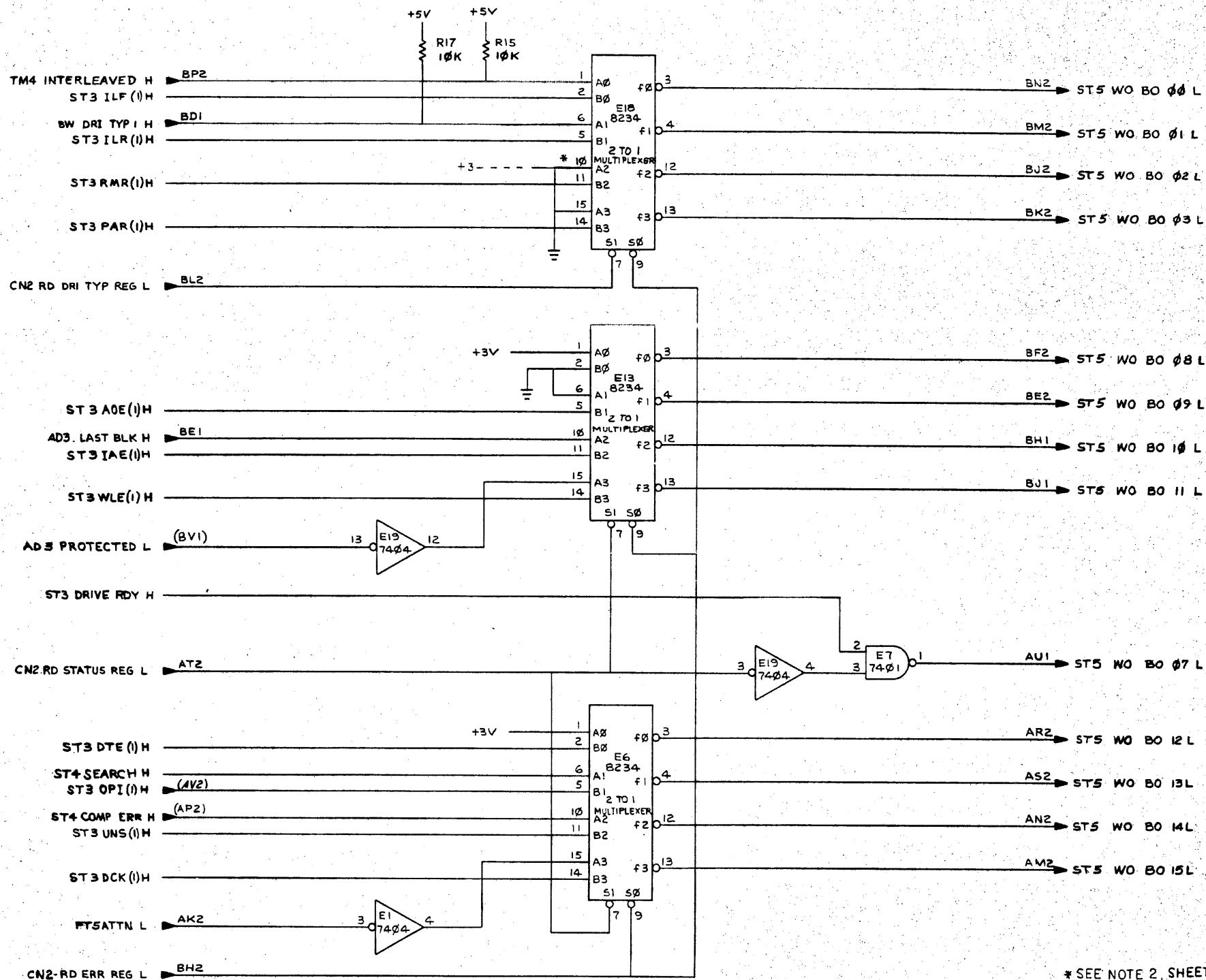
REVISIONS		
CHK	CHANGE NO.	REV.

ERROR SUMMARY

TITLE	SIZE CODE	NUMBER	REV.
STATUS (ST4)	D CS	M7770-0-1	E
SCALE	SHEET 4 OF 5	DIST.	

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3 1-0-0111W SCD 2 1



WO BOX L IS A 'WIRED-OR' BUS OF ALL DRIVE REGISTERS WHICH IS LOADED INTO THE OUTPUT BUFFER (M7754) FOR ALL CONTROL BUS READ OPERATIONS

8234 TRUTH TABLE		
S1	S0	F
L	L	$\overline{B}$
L	H	$\overline{A}$
H	L	$\overline{B}$
H	H	H

* SEE NOTE 2, SHEET 2

REVISIONS		
CHK	CHANGE NO.	REV.

DRIVETYPE/STATUS/ERROR REGISTER MULTIPLEXER

TITLE	STATUS (ST5)	SIZE CODE	DCS	NUMBER	M7770-0-1	REV.	E
SCALE	1	SHEET	5	OF	5	DIST.	

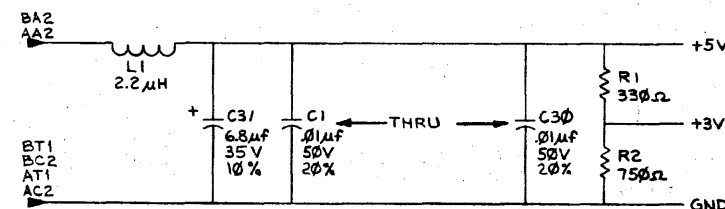
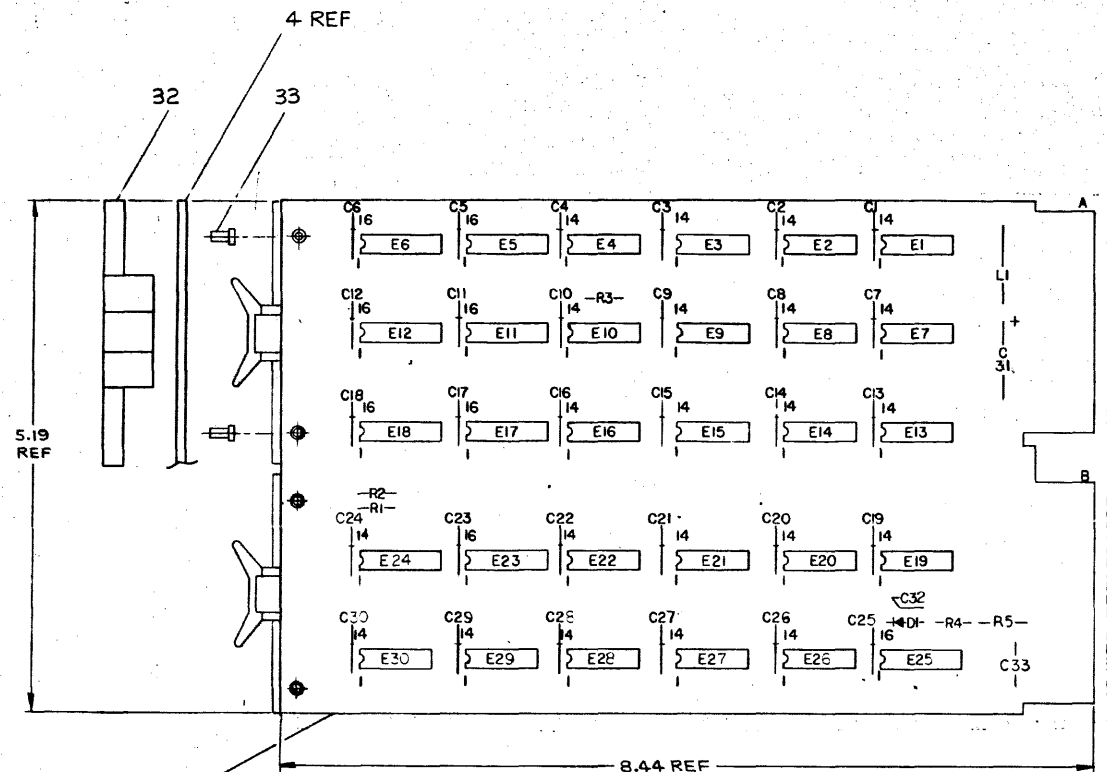
DCS M7770-0-1 E

PAGE REVISION CONTROL SHEET

[illegible]

	DRN. <i>T. Carberry</i>	DATE 6-28-73	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS						
	CHK'D <i>T. Carberry</i>	DATE 6-28-73							
	ENG. <i>T.F. FAVA</i>	DATE 7/24/73							
	PROJ. ENG. <i>T.F. FAVA</i>	DATE 7/24/73							
	PROD. <i>N.F.</i> <i>A. Karlsberg</i>	DATE 7-24-73							
	TITLE FORMAT								
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	E-AD-7009236-0-0	B	CS	M7771-Ø-1	D				
	SCALE — <i>FS</i> —	DIST.							
	SHEET 1 OF 5								

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REF		X-Y COORDINATE HOLE LOCATION	K-CO-M7771-Ø-4	1
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M7771-Ø-5	2
REF		MODULE ECO HISTORY	B-MH-M7771-Ø-6	3
1		ETCHED CIRCUIT BOARD	5010383	4
1	C32	CAPACITOR, 330PF, 100V, ±5% DM	1000023	5
30	C1-C30	CAPACITOR, .01µF, 50V, ±20% AX CER	11001610	6
1	C31	CAPACITOR, 6.8µF, 35V, ±10% S.TANT	1005306	7
1	D1	DIODE, D672	1105275	8
1	R1	RESISTOR, 330Ω, 1/4W, ±5%	1300295	9
1	R3	RESISTOR, 1K, 1/4W, ±5%	1300365	10
1	R2	RESISTOR, 750Ω, 1/4W, ±5%	1301401	11
1	R4	RESISTOR, 22KΩ, 1/4W, ±5%	1301808	12
6	E2, E4, E7, E13, E24, E28	I.C. 7474	1905547	13
2	E21, E27	I.C. 7400	1905575	14
1	E14	I.C. 7410	1905576	15
1	E9	I.C. 7420	1905577	16
1	E1	I.C. 7401	1905590	17
2	E8, E19	I.C. 7402	1909004	18
1	E29	I.C. 7490	1909051	19
1	E30	I.C. 74155	1909063	20
1	E20	I.C. 7404	1909086	21
2	E3, E15	I.C. 7437	1910091	22
1	E10	I.C. 7408	1910155	23
2	E6, E18	I.C. 7485	1910224	24
1	E23	I.C. 7496	1910363	25
1	E25	I.C. 74123	1910436	26
1	E16	I.C. 74500	1910532	27
1	E22	I.C. 74504	1910534	28
4	E5, E11, E12, E17	I.C. 74161	1910650	29
1	E26	I.C. 7427	1910878	30
1	L1	INDUCTOR, 2.2µH	1609756	31
2		HANDLE, FLIP CHIP, MAGENTA	9008337-6	32
4		EYELET G5-4-7	9006732	33
1	C33	CAPACITOR, 33PF, 100V, ±5% DM	1000009	34
1	R5	RESISTOR, 5.6KΩ, 1/4W, ±5% CC	1301674	35

QTY	REF DESIGNATION	DESCRIPTION				PART NO.	ITEM NO.
PARTS LIST							
ETCH BOARD REV	D						
		DRN <i>J. F. Fava</i>	DATE 3-26-73	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
		CHKD <i>R. Stumblay</i>	DATE 7-24-73				
		ENG <i>J. F. Fava</i>	DATE 7-24-73				
		PROJ. ENG. <i>J. F. Fava</i>	DATE 7-24-73				
		PROD. <i>A. Harrisberg</i> N.F.	DATE 7/25/73				
NEXT HIGHER ASSY				TITLE			
E-AD-7009236-0-0				FORMAT			
DEC NO.	EIA NO.	SIZE CODE		NUMBER		REV.	
		DCS		M7771-0-1		D.	
CONVERSION CHART							
SCALE							
SHEET 2 OF 5							
DIST.							

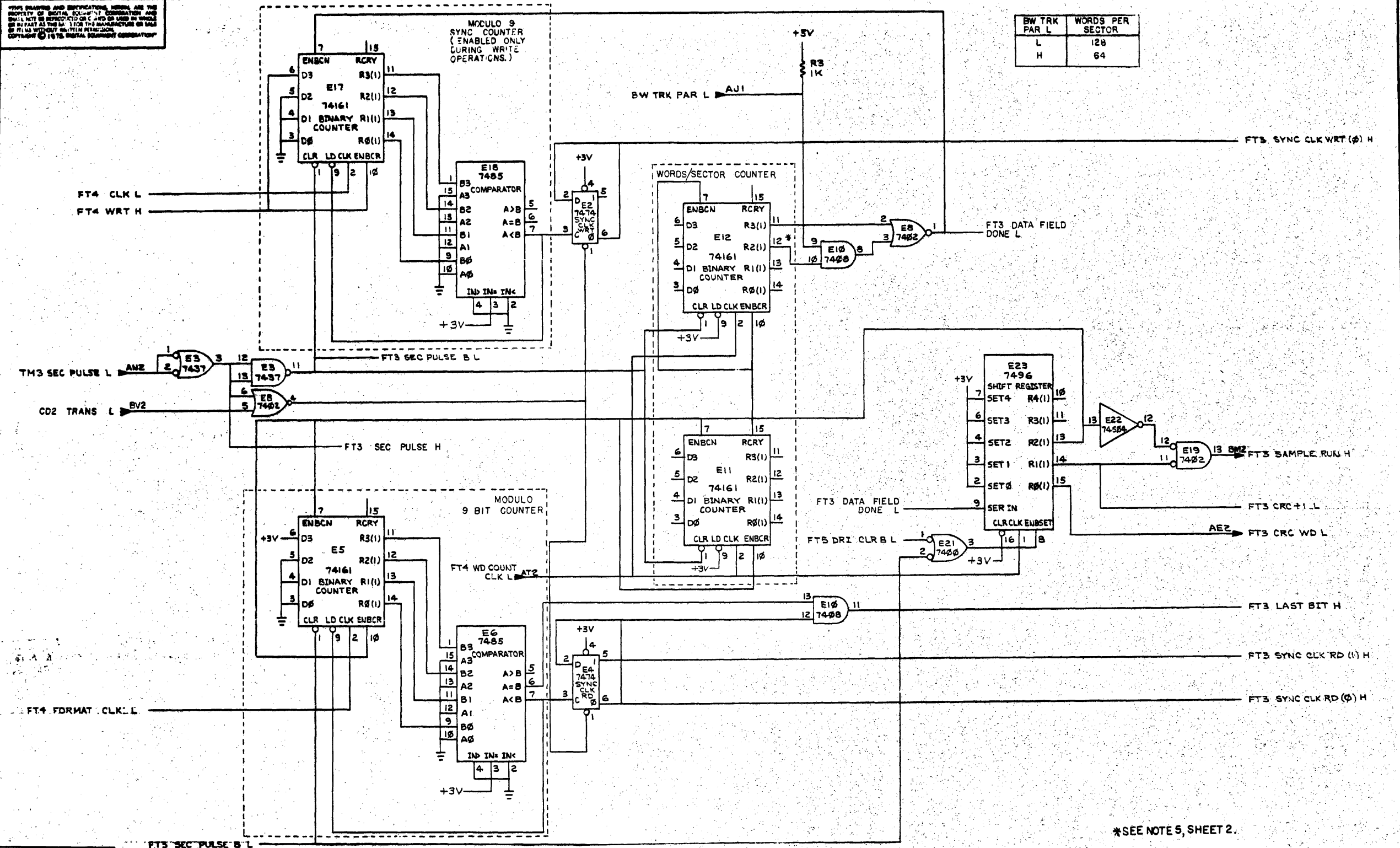
DEC 74123	8	16
DEC 7498	10	5
DEC 74161	8	16
IC TYPE	GND	+ 5V

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

IC PIN LOCATIONS

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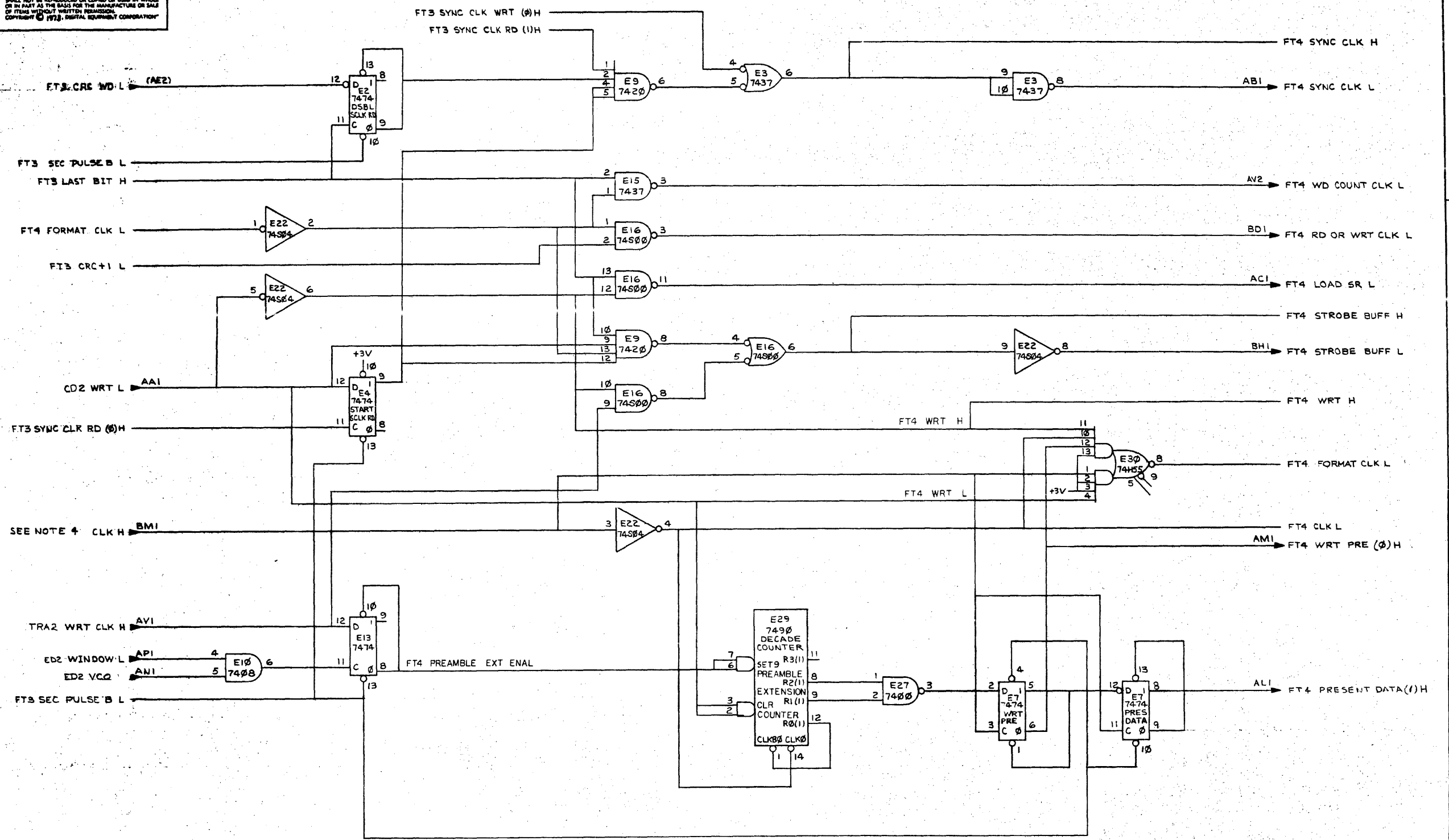
BW TRK PAR L	WORDS PER SECTOR
L	128
H	64



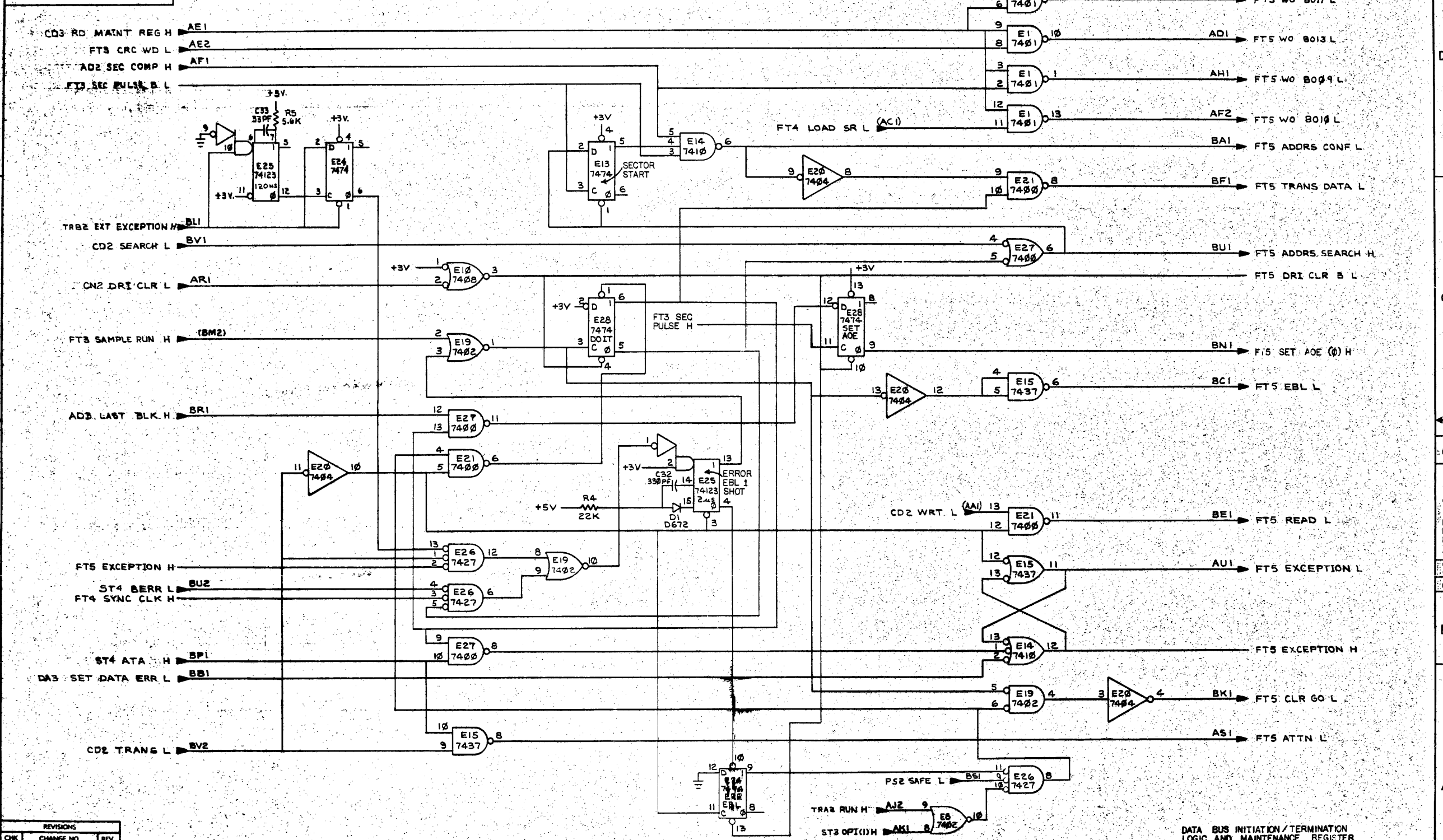
REV.	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
FORMAT (FT3)	D CS	M771-0-1	D
SCALE	SHEET 3 OF 5	DIST.	1

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For information regarding W906 Shield Module,
See Drawing No. D-CS-W907-0-1

REVISIONS	REV.
	CHANGE NO.
CHK	

DO NOT SCALE DRAWING		DRN. F. Carberry	DATE 7/2/73	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D. F. Carberry	DATE 7/4/73			
		ENG. [Signature]	DATE 7/1/73			
		PROJ. ENG.	DATE 11/7			
		PROD. [Signature]	DATE 7/1/73			
MATERIAL _____		FIRST USED ON RS03/04		TITLE SHIELD MODULE		
FINISH _____		SCALE 1" = 1"				
		SHEET OF 1				
		SIZE	CODE	NUMBER		REV.
		A	CS	W906-0-1		
		DIST.				

REV.	NUMBER	SIZE CODE
	W906-0-1	A CS

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REVISIONS		REV.
CHK	CHANGE NO.	
1	RS04-00003	A
S. Gilbert 12-4-73		
T. FAVA		
TFFAVA 12-17-73		
2	RS04-00007	B
G. Vowles 4-12-74		
N. FIELD		
N. Field 4/25/74		
3	RS04-00010	C
S. Chatter 7-18-74		
FAVA		
TFFAVA 7-24-74		
4	RS04-00011	D
G. Vowles 8-30-74		
MCLEAN		
9/4/74		
5	RS04-00014	E
CSC		

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS04					
PARTS LIST					
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE WIRE LIST (RS04)			
CHK'D.	DATE				
ENG.	DATE				
PROJ. ENG.	DATE				
PROD.	DATE				
NEXT HIGHER ASSEMBLY					
D-AD-7002351-0-		SIZE	CODE	NUMBER	REV.
SCALE		K	WL	RS04-0-WL	E
SHEET 1 OF 1		DIST.			

PAGE 1
RUN
NUMBER

AD2	ASYNC	PAR	ERR	L	A05C1	1=01 *	1		2
AD2	ASYNC	PAR	ERR	L	A07N1	1=02 *			2
AD2	ASYNC	PAR	ERR			1		4=0/8	2
AD2	DC	PA0		L	A07M1	1=01 *	1		3
AD2	DC	PA0		L	B03D1	1=02 *			3
AD2	DC	PA0				1		5=0/8	3
AD2	INV	ADD		H	A05R1	1=01 *	1		4
AD2	INV	ADD		H	B07K1	1=02 *			4
AD2	INV	ADD				1		4=4/8	4
AD2	SEC	COMP		H	A07N2	1=01 *	1		5
AD2	SEC	COMP		H	A08F1	1=02 *			5
AD2	SEC	COMP				1		3=2/8	5

RS04.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 2 RUN NUMBER
AD2 TRK 1X	H	A07V1		1-01 *							1				6
AD2 TRK 1X	H	B18V2		1-02 *							2				6
AD2 TRK 1X	H	B19V2		1-03 *							1				6
AD2 TRK 1X	H	B20V2		1-04 *							2				6
AD2 TRK 1X	H	B22V2		1-05 *							1				6
AD2 TRK 1X	H	B23V2		1-06 *							2				6
AD2 TRK 1X	H	B24V2		1-07 *											6
AD2 TRK 1X				1									23-4/8		6
AD2 TRK 2X	H	A07U1		1-01 *							1				7
AD2 TRK 2X	H	B18U2		1-02 *							2				7
AD2 TRK 2X	H	B19U2		1-03 *							1				7
AD2 TRK 2X	H	B20U2		1-04 *							2				7
AD2 TRK 2X	H	B22U2		1-05 *							1				7
AD2 TRK 2X	H	B23U2		1-06 *							2				7
AD2 TRK 2X	H	B24U2		1-07 *											7
AD2 TRK 2X				1									23-4/8		7
AD2 TRK 4X	H	B07M1		1-01 *							1				8
AD2 TRK 4X	H	B18T2		1-02 *							2				8
AD2 TRK 4X	H	B19T2		1-03 *							1				8
AD2 TRK 4X	H	B20T2		1-04 *							2				8
AD2 TRK 4X	H	B22T2		1-05 *							1				8
AD2 TRK 4X	H	B23T2		1-06 *							2				8
AD2 TRK 4X	H	B24T2		1-07 *											8
AD2 TRK 4X				1									22-6/8		8
AD2 TRK X1	H	B07L1		1-01 *							1				4
AD2 TRK X1	H	B18K2		1-02 *							2				4
AD2 TRK X1	H	B19K2		1-03 *							1				4
AD2 TRK X1	H	B20K2		1-04 *							2				4
AD2 TRK X1	H	B22K2		1-05 *							1				4
AD2 TRK X1	H	B23K2		1-06 *							2				4
AD2 TRK X1	H	B24K2		1-07 *											4
AD2 TRK X1				1									22-2/8		4
AD2 TRK X2	H	B07K2		1-01 *							1				10
AD2 TRK X2	H	B18L2		1-02 *							2				10
AD2 TRK X2	H	B19L2		1-03 *							1				10
AD2 TRK X2	H	B20L2		1-04 *							2				10
AD2 TRK X2	H	B22L2		1-05 *							1				10
AD2 TRK X2	H	B23L2		1-06 *							2				10
AD2 TRK X2	H	B24L2		1-07 *											10
AD2 TRK X2				1									22-2/8		10

RS04.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 3 RUN NUMBER
AD2 TRK X4	H	B07J1		1-01 *							1				11
AD2 TRK X4	H	B18M2		1-02 *							2				11
AD2 TRK X4	H	B19P2		1-03 *							1	TRKX4 40=77 H			11
AD2 TRK X4	H	B20N2		1-04 *							2				11
AD2 TRK X4	H	B22M2		1-05 *							1				11
AD2 TRK X4	H	B23P2		1-06 *							2	TRKX4 40=77 H			11
AD2 TRK X4	H	B24N2		1-07 *											11
AD2 TRK X4				1									23-4/8		11
AD2 W0 B000	L	A07M2		1-01 *							1				12
AD2 W0 B000	L	A08V1		1-02 *							2	W0 B000 L			12
AD2 W0 B000	L	B03M2		1-03 *							1	W0 B000 L			12
AD2 W0 B000	L	B18F2		1-04 *								W0 B000 L			12
AD2 W0 B000				1									16-2/8		12
AD2 W0 B001	L	A07L2		1-01 *							1				13
AD2 W0 B001	L	A08U1		1-02 *							2	W0 B001 L			13
AD2 W0 B001	L	B03M2		1-03 *							1	W0 B001 L			13
AD2 W0 B001	L	B18L2		1-04 *								W0 B001 L			13
AD2 W0 B001				1									16-2/8		13
AD3 LAST BLK	H	B03E1		1-01 *							2				14
AD3 LAST BLK	H	B07A1		1-02 *							1				14
AD3 LAST BLK	H	B08A1		1-03 *											14
AD3 LAST BLK				1									7-6/8		14
AD3 PROTECTED	L	A06B1		1-01 *							2				15
AD3 PROTECTED	L	A07P1		1-02 *							1				15
AD3 PROTECTED	L	B03V1		1-03 *											15
AD3 PROTECTED				1									10-0/8		15
AT02 SP GATE (0)	H	B18R2		1-01 *							2				16
AT02 SP GATE (0)	H	B19R2		1-02 *							1				16
AT02 SP GATE (0)	H	B20F1		1-03 *											16
AT02 SP GATE (0)				1									6-2/8		16
AT02 SP GATE (1)	H	B22R2		1-01 *							2				17
AT02 SP GATE (1)	H	B23R2		1-02 *							1				17
AT02 SP GATE (1)	H	B24F1		1-03 *											17
AT02 SP GATE (1)				1									6-2/8		17
BW RS04	L	B07T1		1-01 *							1				18
BW RS04	L	B07V1		1-02 *											18
BW RS04				1									2-4/8		18

RS04.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY = ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 4 RUN NUMBER
BU TRK PAR	L	A08C2		1-01 *							2				19
BU TRK PAR	L	A08J1		1-02 *							1				19
BU TRK PAR	L	A07U2		1-03 *									9-4/8		19
BU TRK PAR	L			1											19
CD2 CLR FUNCTION	L	A04K2		1-01 *							1				20
CD2 CLR FUNCTION	L	B06N1		1-02 *									5-6/8		20
CD2 CLR FUNCTION	L			1											20
CD2 DRIVE ACTIVE (1)	H	B04J1	807T2	1-01 *							1				21
CD2 DRIVE ACTIVE (1)	H	B06V1		1-02 *							2				21
CD2 DRIVE ACTIVE (1)	H	B07T2		1-03 *									7-2/8		21
CD2 DRIVE ACTIVE (1)	H			1											21
CD2 GO (1)	H	A05H2		1-01 *							1				22
CD2 GO (1)	H	B06U1		1-02 *									6-4/8		22
CD2 GO (1)	H			1											22
CD2 SEARCH	L	B05R2		1-01 *							1				23
CD2 SEARCH	L	B06P2		1-02 *							2				23
CD2 SEARCH	L	B08V1		1-03 *									6-2/8		23
CD2 SEARCH	L			1											23
CD2 SET ATA	H	A05H1		1-01 *							1				24
CD2 SET ATA	H	B06S2		1-02 *									6-4/8		24
CD2 SET ATA	H			1											24
CD2 SET ILL FUNCT ERR	L	A06J2		1-01 *							1				25
CD2 SET ILL FUNCT ERR	L	B05R1		1-02 *									6-2/8		25
CD2 SET ILL FUNCT ERR	L			1											25
CD2 TRANS	L	A06E2		1-01 *							1				26
CD2 TRANS	L	B03P2		1-02 *							2				26
CD2 TRANS	L	B08V2		1-03 *									12-0/8		26
CD2 TRANS	L			1											26
CD2 WRT	L	A14K2		1-01 *							2				27
CD2 WRT	L	A12R2		1-02 *							1				27
CD2 WRT	L	A09E1		1-03 *							2				27
CD2 WRT	L	A0AA1		1-04 *							1				27
CD2 WRT	L	A06K2		1-05 *							2				27
CD2 WRT	L	B05P1		1-06 *							1				27
CD2 WRT	L	B10R2		1-07 *									26-0/8		27
CD2 WRT	L			1											27

RS04.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY = ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 5 RUN NUMBER
CD3 CLR ATTN	H	A05J1		1-01 *							1				28
CD3 CLR ATTN	H	B06R2		1-02 *									6-2/8		28
CD3 CLR ATTN	H			1											28
CD3 M RD B	H	B06H2		1-01 *	1						1	M RD H			29
CD3 M RD B	H	B12E2		1-02 *									5-4/8		29
CD3 M RD B	H			1											29
CD3 M RD T	H	A06S2		1-01 *	1						1	M RD H			30
CD3 M RD T	H	B14E2		1-02 *									7-0/8		30
CD3 M RD T	H			1											30
CD3 MAINT	H	A06H1		1-01 *							1				31
CD3 MAINT	H	B10P1		1-02 *							2				31
CD3 MAINT	H	B12P2		1-03 *							1				31
CD3 MAINT	H	B14P2		1-04 *							2				31
CD3 MAINT	H	A16T2		1-05 *									18-2/8		31
CD3 MAINT	H			1											31
CD3 MAINT	L	A06J1		1-01 *							1				32
CD3 MAINT	L	B17S2		1-02 *							2				32
CD3 MAINT	L	B21S2		1-03 *									13-6/8		32
CD3 MAINT	L			1											32
CD3 MCLK	H	A06L1		1-01 *							1				33
CD3 MCLK	H	B10M1		1-02 *									6-0/8		33
CD3 MCLK	H			1											33
CD3 MIND	H	A06V2		1-01 *							2				34
CD3 MIND	H	B10R1		1-02 *							1				34
CD3 MIND	H	A16U2		1-03 *									11-6/8		34
CD3 MIND	H			1											34
CD3 RD MAINT REG	H	A06E1		1-01 *							2				35
CD3 RD MAINT REG	H	A08E1		1-02 *							1				35
CD3 RD MAINT REG	H	B14H2		1-03 *											35
CD3 RD MAINT REG	H	B12H2		1-04 *							2		13-6/8		35
CD3 RD MAINT REG	H			1											35
CD3 W0 B005	L	A06T2		1-01 *							2				36
CD3 W0 B005	L	A07T2		1-02 *							1				36
CD3 W0 B005	L	A16S2		1-03 *								W0 B005 L			36
CD3 W0 B005	L			1								W0 B005 L	9-4/8		36

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 6 RUN NUMBER
C03 W0 B006	L	A06L2		1-01 *							2				37
C03 W0 B006	L	A07S2		1-02 *							1	W0 B006 L			37
C03 W0 B006	L	A16N2		1-03 *								W0 B006 L			37
C03 W0 B006				1									10-4/8		37
CN2 C+M REG CLR	L	A04H2		1-01 *							1				36
CN2 C+M REG CLR	L	B06N2		1-02 *									6-2/8		36
CN2 C+M REG CLR				1											36
CN2 CHK BUS PAR	L	A05B1		1-01 *							1				39
CN2 CHK BUS PAR	L	B04N1		1-02 *									6-4/8		39
CN2 CHK BUS PAR				1											39
CN2 CLK DRIVE ACTIVE	H	A04U2		1-01 *							1				40
CN2 CLK DRIVE ACTIVE	H	B06S1		1-02 *									5-2/8		40
CN2 CLK DRIVE ACTIVE				1											40
CN2 CONT BUS ACTIVE	L	A04H1		1-01 *	1						1				41
CN2 CONT BUS ACTIVE	L	B06L2		1-02 *									6-0/8		41
CN2 CONT BUS ACTIVE				1											41
CN2 DRI CLR	L	A04J2		1-01 *							1				42
CN2 DRI CLR	L	A05E1		1-02 *							2				42
CN2 DRI CLR	L	A06R1		1-03 *							1				42
CN2 DRI CLR	L	B07U1		1-04 *							2				42
CN2 DRI CLR	L	B06P1		1-05 *											42
CN2 DRI CLR				1									16-0/8		42

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 7 RUN NUMBER
CN2 DSBL MBUS DRVRS	L	A03B1		1-01 *	1						1				43
CN2 DSBL MBUS DRVRS	L	A02B1		1-02 *							2				43
CN2 DSBL MBUS DRVRS	L	A01B1		1-03 *							1				43
CN2 DSBL MBUS DRVRS	L	A01J1		1-04 *							2				43
CN2 DSBL MBUS DRVRS	L	A02J1		1-05 *							1				43
CN2 DSBL MBUS DRVRS	L	A03J1		1-06 *							2				43
CN2 DSBL MBUS DRVRS	L	A03R1		1-07 *							1				43
CN2 DSBL MBUS DRVRS	L	A03U2		1-08 *							2				43
CN2 DSBL MBUS DRVRS	L	B03J1		1-09 *							1				43
CN2 DSBL MBUS DRVRS	L	B03M1		1-10 *							2				43
CN2 DSBL MBUS DRVRS	L	B02J1		1-11 *							1				43
CN2 DSBL MBUS DRVRS	L	B02M1		1-12 *							2				43
CN2 DSBL MBUS DRVRS	L	B02K1		1-13 *							1				43
CN2 DSBL MBUS DRVRS	L	B02N1		1-14 *							2				43
CN2 DSBL MBUS DRVRS	L	B02M1		1-15 *							1				43
CN2 DSBL MBUS DRVRS	L	B03M1		1-16 *							2				43
CN2 DSBL MBUS DRVRS	L	B03N1		1-17 *							1				43
CN2 DSBL MBUS DRVRS	L	B02S1		1-18 *							2				43
CN2 DSBL MBUS DRVRS	L	B01R2		1-19 *							1				43
CN2 DSBL MBUS DRVRS	L	B01S1		1-20 *							2				43
CN2 DSBL MBUS DRVRS	L	B01N1		1-21 *							1				43
CN2 DSBL MBUS DRVRS	L	B01M1	B02R2	1-22 *							2				43
CN2 DSBL MBUS DRVRS	L	B02R2	B03S1	1-23 *							1				43
CN2 DSBL MBUS DRVRS	L	B03S1	B03R2	1-24 *							2				43
CN2 DSBL MBUS DRVRS	L	B03R2		1-25 *							1				43
CN2 DSBL MBUS DRVRS	L	B01M1		1-26 *							2				43
CN2 DSBL MBUS DRVRS	L	B04J2		1-27 *											43
CN2 DSBL MBUS DRVRS				1									75-0/8		43
CN2 DSBL WRITE AMP	L	B04K2		1-01 *	1						1				44
CN2 DSBL WRITE AMP	L	A17R2		1-02 *							2				44
CN2 DSBL WRITE AMP	L	A21R2		1-03 *									14-2/8		44
CN2 DSBL WRITE AMP				1											44
CN2 ENA CONT BUS OUT	H	A04T2		1-01 *	1						1				45
CN2 ENA CONT BUS OUT	H	A02U2		1-02 *							2				45
CN2 ENA CONT BUS OUT	H	A01U2		1-03 *							1				45
CN2 ENA CONT BUS OUT	H	B01S2		1-04 *							2				45
CN2 ENA CONT BUS OUT	H	B02S2		1-05 *							1				45
CN2 ENA CONT BUS OUT	H	B03S2		1-06 *							2				45
CN2 ENA CONT BUS OUT	H	B01F2		1-07 *							1				45
CN2 ENA CONT BUS OUT	H	B02F2		1-08 *							2				45
CN2 ENA CONT BUS OUT	H	B03F2		1-09 *											45
CN2 ENA CONT BUS OUT				1									25-6/8		45

RSD4.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY - ORDER	Q	DRAW	RV	P6	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 8 NUM NUMBER
CN2 ENA CONT BUS OUT	L	A01P1		1=01 *	1						1				46
CN2 ENA CONT BUS OUT	L	A01R1		1=02 *							2				46
CN2 ENA CONT BUS OUT	L	A02P1		1=03 *							1				46
CN2 ENA CONT BUS OUT	L	A02R1		1=04 *							2				46
CN2 ENA CONT BUS OUT	L	A03P1		1=05 *							1				46
CN2 ENA CONT BUS OUT	L	B04K1		1=06 *							2				46
CN2 ENA CONT BUS OUT	L	B07L2		1=07 *											46
CN2 ENA CONT BUS OUT				1									17=4/8		46
CN2 ENABLE CLR FUNC	M	B04P1		1=01 *	1						1				47
CN2 ENABLE CLR FUNC	M	B06M1		1=02 *											47
CN2 ENABLE CLR FUNC				1									3=4/8		47
CN2 LD CONT REG	L	A04R1		1=01 *							1				48
CN2 LD CONT REG	L	B06U2		1=02 *											48
CN2 LD CONT REG				1									6=0/8		48
CN2 LD DES ADDR REG	L	A04R2		1=01 *							1				49
CN2 LD DES ADDR REG	L	B07B1		1=02 *											49
CN2 LD DES ADDR REG				1									4=2/8		49
CN2 LD ERR REG	L	A04N2		1=01 *							1				50
CN2 LD ERR REG	L	A05L1		1=02 *											50
CN2 LD ERR REG				1									2=6/8		50
CN2 LD MAINT REG	L	A04P2		1=01 *							1				51
CN2 LD MAINT REG	L	A06H2		1=02 *											51
CN2 LD MAINT REG				1									3=6/8		51
CN2 PWR UP ATTN	L	B01J1		1=01 *	2						2				52
CN2 PWR UP ATTN	L	A04J1		1=02 *							1				52
CN2 PWR UP ATTN	L	B06T2		1=03 *											52
CN2 PWR UP ATTN				1									12=4/8		52
CN2 RD ATTN SUM REG	L	A04U1		1=01 *							1				53
CN2 RD ATTN SUM REG	L	A06F2		1=02 *											53
CN2 RD ATTN SUM REG				1									4=2/8		53
CN2 RD CONT REG	L	A06R2		1=01 *							1				54
CN2 RD CONT REG	L	B04E1		1=02 *											54
CN2 RD CONT REG				1									4=4/8		54
CN2 RD DES ADDR REG	L	A04V1		1=01 *							1				55
CN2 RD DES ADDR REG	L	A07L1		1=02 *											55
CN2 RD DES ADDR REG				1									4=2/8		55

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 10 RUN NUMBER
DA2 DD 8000	L	A01E1		1-01 *							1				68
DA2 DD 8000	L	A07H1		1-02 *											68
DA2 DD 8000				1									6-4/8		68
DA2 DD 8001	L	A01C1		1-01 *							1				69
DA2 DD 8001	L	A09J2		1-02 *											69
DA2 DD 8001				1									7-0/8		69
DA2 DD 8002	L	A01M2		1-01 *							1				70
DA2 DD 8002	L	A09J1		1-02 *											70
DA2 DD 8002				1									6-4/8		70
DA2 DD 8003	L	A01L2		1-01 *							1				71
DA2 DD 8003	L	A09F2		1-02 *											71
DA2 DD 8003				1									6-4/8		71
DA2 DD 8004	L	A01P2		1-01 *							1				72
DA2 DD 8004	L	A09M2		1-02 *											72
DA2 DD 8004				1									6-4/8		72
DA2 DD 8005	L	A01N2		1-01 *							1				73
DA2 DD 8005	L	A09L2		1-02 *											73
DA2 DD 8005				1									6-4/8		73
DA2 DD 8006	L	A02E1		1-01 *							1				74
DA2 DD 8006	L	A09P2		1-02 *											74
DA2 DD 8006				1									6-4/8		74
DA2 DD 8007	L	A02C1		1-01 *							1				75
DA2 DD 8007	L	A09N2		1-02 *											75
DA2 DD 8007				1									6-6/8		75
DA2 DD 8008	L	A02M2		1-01 *							1				76
DA2 DD 8008	L	B09E2		1-02 *											76
DA2 DD 8008				1									6-6/8		76
DA2 DD 8009	L	A02L2		1-01 *							1				77
DA2 DD 8009	L	A09V1		1-02 *											77
DA2 DD 8009				1									6-0/8		77
DA2 DD 8010	L	A02P2		1-01 *							1				78
DA2 DD 8010	L	A09U1		1-02 *											78
DA2 DD 8010				1									5-6/8		78
DA2 DD 8011	L	A02N2		1-01 *							1				79
DA2 DD 8011	L	B09A1		1-02 *											79
DA2 DD 8011				1									6-0/8		79

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 11 RUN NUMBER
DA2 DD 8012	L	A03E1		1-01 *							1				80
DA2 DD 8012	L	B09J1		1-02 *											80
DA2 DD 8012				1									6-6/8		80
DA2 DD 8013	L	A03C1		1-01 *							1				81
DA2 DD 8013	L	B09F1		1-02 *											81
DA2 DD 8013				1									6-6/8		81
DA2 DD 8014	L	A03M2		1-01 *							1				82
DA2 DD 8014	L	B09K1		1-02 *											82
DA2 DD 8014				1									6-2/8		82
DA2 DD 8015	L	A03L2		1-01 *							1				83
DA2 DD 8015	L	B09H1		1-02 *											83
DA2 DD 8015				1									6-0/8		83
DA2 DD 8016	L	A03P2		1-01 *							1				84
DA2 DD 8016	L	B09S2		1-02 *											84
DA2 DD 8016				1									6-4/8		84
DA2 DD 8017	L	A03N2		1-01 *							1				85
DA2 DD 8017	L	B09R1		1-02 *											85
DA2 DD 8017				1									6-4/8		85
DA2 DD PA0	L	A03U1		1-01 *							1				86
DA2 DD PA0	L	B09R2		1-02 *											86
DA2 DD PA0				1									6-6/8		86
DA2 NRZ RD DATA	H	A09N1		1-01 *							1				87
DA2 NRZ RD DATA	H	A10F2		1-02 *											87
DA2 NRZ RD DATA				1									3-4/8		87
DA2 SYNC PAR ERR	H	A05A1		1-01 *							1				88
DA2 SYNC PAR ERR	H	A04S1		1-02 *											88
DA2 SYNC PAR ERR				1									5-0/8		88
DA3 NRZ WRT DATA	L	A09A1		1-01 *							1				89
DA3 NRZ WRT DATA	L	B10J2		1-02 *											89
DA3 NRZ WRT DATA				1									6-2/8		89
DA3 SET DATA ERR	L	A09E2		1-01 *							1				90
DA3 SET DATA ERR	L	B08B1		1-02 *							2				90
DA3 SET DATA ERR	L	B05T2		1-03 *											90
DA3 SET DATA ERR				1									9-6/8		90

RS04.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME ORDER	BAY # ORDER	Q	DRAW	KV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 12 RUN NUMBER
DS3 0 NRZ WRT DATA	H	810K2	1-01 *							1				91
DS3 0 NRZ WRT DATA	H	812P2	1-02 *											91
DS3 0 NRZ WRT DATA			1									3-4/8		91
DS3 1 NRZ WRT DATA	H	810L2	1-01 *							1				92
DS3 1 NRZ WRT DATA	H	814P2	1-02 *											92
DS3 1 NRZ WRT DATA			1									4-4/8		92
DS3 CLK	H	808M1	1-01 *							1				93
DS3 CLK	H	810S2	1-02 *											93
DS3 CLK			1									3-6/8		93
DS3 DESK MCLK		A16V2	1-01 *							1	MCLK H			94
DS3 DESK MCLK		814M2	1-02 *							2	MCLK H			94
DS3 DESK MCLK		812M2	1-03 *							1	MCLK H			94
DS3 DESK MCLK		810U2	1-04 *											94
DS3 DESK MCLK			1									11-4/8		94
DS3 PRESENT DATA	H	810N2	1-01 *							2				95
DS3 PRESENT DATA	H	812N2	1-02 *							1				95
DS3 PRESENT DATA	H	814N2	1-03 *											95
DS3 PRESENT DATA			1									6-4/8		95
DS3 WRT PRE (1)	H	810T2	1-01 *	1						1				96
DS3 WRT PRE (1)	H	812L2	1-02 *							2	WRT PRE (0) H			96
DS3 WRT PRE (1)	H	814L2	1-03 *								WRT PRE (0) H			96
DS3 WRT PRE (1)			1									7-0/8		96
ED2 CLK (0)	H	A10V1	1-01 *							1				97
ED2 CLK (0)	H	812J2	1-02 *											97
ED2 CLK (0)			1									4-4/8		97
ED2 CLK (1)	H	810M2	1-01 *							1				98
ED2 CLK (1)	H	814J2	1-02 *											98
ED2 CLK (1)			1									4-6/8		98
ED2 LOOP FDBK		A14F2	1-01 *							1				99
ED2 LOOP FDBK		A14E2	1-02 *											99
ED2 LOOP FDBK			1									2-4/8		99
ED2 NRZO RD DATA	H	A10U1	1-01 *							1				100
ED2 NRZO RD DATA	H	A12P2	1-02 *											100
ED2 NRZO RD DATA			1									3-6/8		100
ED2 NRZ1 RD DATA	H	A10L2	1-01 *							1				101
ED2 NRZ1 RD DATA	H	A14P2	1-02 *											101
ED2 NRZ1 RD DATA			1									4-6/8		101

RS04.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME ORDER	BAY # ORDER	Q	DRAW	KV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 13 RUN NUMBER
ED2 RD SYNC	L	A12J2	1-01 *							1				102
ED2 RD SYNC	L	810P2	1-02 *											102
ED2 RD SYNC			1									6-2/8		102
ED2 VCO		A12E2	1-01 *	1						1				103
ED2 VCO		A12F2	1-02 *							2				103
ED2 VCO		A08N1	1-03 *							1				103
ED2 VCO		810F2	1-04 *											103
ED2 VCO			1									12-4/8		103
ED2 WINDOW	L	A08P1	1-01 *							1				104
ED2 WINDOW	L	812M2	1-02 *											104
ED2 WINDOW			1									6-2/8		104
ED2 WRT DATA PUL (0)	H	A12U2	1-01 *							1				105
ED2 WRT DATA PUL (0)	H	A17U2	1-02 *											105
ED2 WRT DATA PUL (0)			1									4-6/8		105
ED2 WRT DATA PUL (1)	H	A14U2	1-01 *							1				106
ED2 WRT DATA PUL (1)	H	A21U2	1-02 *											106
ED2 WRT DATA PUL (1)			1									5-6/8		106
ED2 WRT GATE (0)	H	A17V2	1-01 *							1				107
ED2 WRT GATE (0)	H	A12T2	1-02 *							2				107
ED2 WRT GATE (0)	H	810W2	1-03 *											107
ED2 WRT GATE (0)			1									9-4/8		107
ED2 WRT GATE (1)	H	A14T2	1-01 *							1				108
ED2 WRT GATE (1)	H	A21V2	1-02 *											108
ED2 WRT GATE (1)			1									6-0/8		108
FT3 CRC WD	L	A08E2	1-01 *							1				109
FT3 CRC WD	L	A07P1	1-02 *											109
FT3 CRC WD			1									3-4/8		109
FT3 SAMPLE RUN	H	A07C1	1-01 *							1				110
FT3 SAMPLE RUN	H	808M2	1-02 *											110
FT3 SAMPLE RUN			1									6-4/8		110
FT4 LOAD SR	L	A08C1	1-01 *							1				111
FT4 LOAD SR	L	A07C1	1-02 *											111
FT4 LOAD SR			1									2-6/8		111
FT4 RD OR WRT CLK	L	A07B1	1-01 *							1				112
FT4 RD OR WRT CLK	L	808D1	1-02 *							2				112
FT4 RD OR WRT CLK	L	810U1	1-03 *											112
FT4 RD OR WRT CLK			1									9-6/8		112

RS04.E RUN NAME	A/P	MND288,023(23) PIN NAME	05/24/74 ORDER PIN	DAY - ORDER	Q	DRAW	KV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11124 EXCEPTIONS	PAGE 14 RUN NUMBER
FT4 STROBE BUFF	L	A09D1		1-01 *							1				113
FT4 STROBE BUFF	L	B08H2		1-02 *											113
FT4 STROBE BUFF				1									5-6/8		113
FT4 SYNC CLK	L	A08B1		1-01 *							1				114
FT4 SYNC CLK	L	B01P2		1-02 *											114
FT4 SYNC CLK				1									8-0/8		114
FT4 WD COUNT CLK	L	A08T2		1-01 *							1				115
FT4 WD COUNT CLK	L	A08V2		1-02 *											115
FT4 WD COUNT CLK				1									2-4/8		115
FT5 ADDR5 CONF	L	A05D1		1-01 *							1				116
FT5 ADDR5 CONF	L	B08A1		1-02 *											116
FT5 ADDR5 CONF				1									5-2/8		116
FT5 ATTN	L	A06C1		1-01 *							1				117
FT5 ATTN	L	A05K2		1-02 *							2				117
FT5 ATTN	L	A08S1		1-03 *							1				117
FT5 ATTN	L	B01L2		1-04 *											117
FT5 ATTN				1									13-6/8		117
FT5 CLR GO	L	A06D1		1-01 *							1				118
FT5 CLR GO	L	B08K1		1-02 *											118
FT5 CLR GO				1									6-0/8		118
FT5 EBL	L	A05J2		1-01 *							1				119
FT5 EBL	L	B08C1		1-02 *							2				119
FT5 EBL	L	B07V2		1-03 *							1				119
FT5 EBL	L	B02L2		1-04 *											119
FT5 EBL				1									14-4/8		119
FT5 EXCEPTION	L	A08U1		1-01 *							1				120
FT5 EXCEPTION	L	B02P2		1-02 *											120
FT5 EXCEPTION				1									6-0/8		120
FT5 READ	L	B08E1		1-01 *							1				121
FT5 READ	L	B10V1		1-02 *											121
FT5 READ				1									4-4/8		121
FT5 SET AOE (0)	M	A05M1		1-01 *							1				122
FT5 SET AOE (0)	M	B08N1		1-02 *											122
FT5 SET AOE (0)				1									6-0/8		122

RS04.E RUN NAME	A/P	MND288,023(23) PIN NAME	05/24/74 ORDER PIN	DAY - ORDER	Q	DRAW	KV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11124 EXCEPTIONS	PAGE 15 RUN NUMBER
FT5 TRANS DATA	L	A09K1		1-01 *							1				123
FT5 TRANS DATA	L	B08F1		1-02 *							2				123
FT5 TRANS DATA	L	B10L2		1-03 *							1				123
FT5 TRANS DATA	L	A12S2		1-04 *							2				123
FT5 TRANS DATA	L	A14S2		1-05 *											123
FT5 TRANS DATA				1									16-0/8		123
FT5 W0 B013	L	A09D1		1-01 *							2				124
FT5 W0 B013	L	A05S2		1-02 *							1				124
FT5 W0 B013	L	B07P2		1-03 *											124
FT5 W0 B013				1									9-4/8		124
GND		B01K1		1-01 *							2				125
GND		B03K1		1-02 *							1				125
GND		B03T1		1-03 *											125
GND				1									6-4/8		125
MM3 0 TRK X4 40-77	L	B19N2		1-01 *							1				126
MM3 0 TRK X4 40-77	L	B19N2		1-02 *											126
MM3 0 TRK X4 40-77				1									2-4/8		126
MM3 1 TRK X4 40-77	L	B23N2		1-01 *							1				127
MM3 1 TRK X4 40-77	L	B23N2		1-02 *											127
MM3 1 TRK X4 40-77				1									2-4/8		127
PS2 SAFE	L	A15A1		1-01 *							1				128
PS2 SAFE	L	A06A1		1-02 *							2				128
PS2 SAFE	L	A04E2		1-03 *							1				128
PS2 SAFE	L	B05A1		1-04 *							2				128
PS2 SAFE	L	B08S1		1-05 *											128
PS2 SAFE				1									19-4/8		128
R42 MS 01 (0)		B17E2		1-01 *							2				129
R42 MS 01 (0)		B18E2		1-02 *							1				129
R42 MS 01 (0)		B19E2		1-03 *							2				129
R42 MS 01 (0)		B20E2		1-04 *											129
R42 MS 01 (0)				1									6-2/8		129
R42 MS 01 (1)		B21E2		1-01 *							2				130
R42 MS 01 (1)		B22E2		1-02 *							1				130
R42 MS 01 (1)		B23E2		1-03 *							2				130
R42 MS 01 (1)		B24E2		1-04 *											130
R42 MS 01 (1)				1									8-2/8		130

RS04.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY - ORDER	Q	DRAW	HV	PG	Y	X	Z	REMARKS	4-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 16 RUN NUMBER
RW2 HS 02 (0)		B17F2		1-01 *							2				131
RW2 HS 02 (0)		B1AF2		1-02 *							1				131
RW2 HS 02 (0)		B19F2		1-03 *							2				131
RW2 HS 02 (0)		B20F2		1-04 *											131
RW2 HS 02 (0)				1									8-2/8		131
RW2 HS 02 (1)		B21F2		1-01 *							2				132
RW2 HS 02 (1)		B22F2		1-02 *							1				132
RW2 HS 02 (1)		B23F2		1-03 *							2				132
RW2 HS 02 (1)		B24F2		1-04 *											132
RW2 HS 02 (1)				1									8-2/8		132
RW2 RD DATA PUL (0)	H	A12N2		1-01 *							1				133
RW2 RD DATA PUL (0)	H	A17N2		1-02 *											133
RW2 RD DATA PUL (0)				1									4-6/8		133
RW2 RD DATA PUL (1)	H	A14N2		1-01 *							1				134
RW2 RD DATA PUL (1)	H	A21N2		1-02 *											134
RW2 RD DATA PUL (1)				1									5-6/8		134
ST3 OPI (1)	H	A05V2		1-01 *							1				135
ST3 OPI (1)	H	A08K1		1-02 *											135
ST3 OPI (1)				1									4-0/8		135
ST3 SET CONT PAR ERR	H	A04K1		1-01 *							1				136
ST3 SET CONT PAR ERR	H	B05C1		1-02 *											136
ST3 SET CONT PAR ERR				1									4-4/8		136
ST4 ATA	H	A05F1		1-01 *							1				137
ST4 ATA	H	B08P1		1-02 *											137
ST4 ATA				1									6-4/8		137
ST4 BERR	L	B05S2		1-01 *							1				138
ST4 BERR	L	B08U2		1-02 *											138
ST4 BERR				1									4-0/8		138
ST4 COMP ERR	L	A05V1		1-01 *							1				139
ST4 COMP ERR	L	B06V2		1-02 *											139
ST4 COMP ERR				1									5-4/8		139
ST5 WO B012	L	A05R2		1-01 *							1				140
ST5 WO B012	L	B07R2		1-02 *							2				140
ST5 WO B012	L	B12K2		1-03 *											140
ST5 WO B012				1									10-4/8		140

RS04.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY - ORDER	Q	DRAW	HV	PG	Y	X	Z	REMARKS	4-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 17 RUN NUMBER
ST5 WO B014	L	A05N2		1-01 *							2				141
ST5 WO B014	L	B07N2		1-02 *							1				141
ST5 WO B014	L	B14K2		1-03 *											141
ST5 WO B014				1									11-4/8		141
ST5 WO B015	L	A05M2		1-01 *							2				142
ST5 WO B015	L	B07M2		1-02 *							1				142
ST5 WO B015	L	B17U2		1-03 *							2				142
ST5 WO B015	L	B14U2		1-04 *											142
ST5 WO B015				1									14-0/8		142
TM3 RESYNC	L	A07M2		1-01 *							1				143
TM3 RESYNC	L	B16N1		1-02 *											143
TM3 RESYNC				1									8-2/8		143
TM3 SEC PULSE	L	A21S2		1-01 *							1				144
TM3 SEC PULSE	L	A17S2		1-02 *							2				144
TM3 SEC PULSE	L	A14L2		1-03 *							1				144
TM3 SEC PULSE	L	A12L2		1-04 *							2				144
TM3 SEC PULSE	L	A08N2		1-05 *							1				144
TM3 SEC PULSE	L	B10E1		1-06 *							2				144
TM3 SEC PULSE	L	B09V1		1-07 *							1				144
TM3 SEC PULSE	L	B16V2		1-08 *											144
TM3 SEC PULSE				1									30-6/8		144
TM3 SET SYN	H	A12V2		1-01 *							2				145
TM3 SET SYN	H	A14V2		1-02 *							1				145
TM3 SET SYN	H	B16M1		1-03 *											145
TM3 SET SYN				1									7-6/8		145
TM4 INTERLEAVED	H	A16K1		1-01 *							1				146
TM4 INTERLEAVED	H	B05P2		1-02 *											146
TM4 INTERLEAVED				1									4-0/8		146
TM4 SEC ADD 00	H	A07F2		1-01 *							1				147
TM4 SEC ADD 00	H	A16P2		1-02 *											147
TM4 SEC ADD 00				1									7-0/8		147
TM4 SEC ADD 01	H	A07L2		1-01 *							1				148
TM4 SEC ADD 01	H	A16M2		1-02 *											148
TM4 SEC ADD 01				1									7-2/8		148
TM4 SEC ADD 02	H	A07A1		1-01 *							1				149
TM4 SEC ADD 02	H	A16F2		1-02 *											149
TM4 SEC ADD 02				1									7-4/8		149

RS04.E RUN NAME	A/P	HND288.V23(23) PIN NAME	05/24/74 ORDER PIN	BAY - ORDER	Q	DRAW	NV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 18 RUN NUMBER
TM4 SEC ADD 03	H	A0781		1-01 *							1				150
TM4 SEC ADD 03	H	A16J2		1-02 *											150
TM4 SEC ADD 03				1									7-4/8		150
TM4 SEC ADD 04	H	A07K1		1-01 *							1				151
TM4 SEC ADD 04	H	A16E2		1-02 *											151
TM4 SEC ADD 04				1									7-2/8		151
TM4 SEC ADD 05	H	A07J1		1-01 *							1				152
TM4 SEC ADD 05	H	A16F1		1-02 *											152
TM4 SEC ADD 05				1									7-0/8		152
TM4 W0 B002	L	A16R2		1-01 *							1				153
TM4 W0 B002	L	A07K2		1-02 *	AD2						2	W0 B002 L			153
TM4 W0 B002	L	A06N1		1-03 *	CD3						1	W0 B002 L			153
TM4 W0 B002	L	B05J2		1-04 *	ST5							W0 B002 L			153
TM4 W0 B002				1									15-2/8		153
TM4 W0 B003	L	A16V1		1-01 *							1				154
TM4 W0 B003	L	A07J2		1-02 *	AD2						1	W0 B003 L			154
TM4 W0 B003	L	A06M1		1-03 *	CD3						2	W0 B003 L			154
TM4 W0 B003	L	B05K2		1-04 *	ST5							W0 B003 L			154
TM4 W0 B003				1									15-6/8		154
TM4 W0 B004	L	A06U2		1-01 *	CD3						2	W0 B004 L			155
TM4 W0 B004	L	A07U2		1-02 *	AD2						1	W0 B004 L			155
TM4 W0 B004	L	A16U1		1-03 *											155
TM4 W0 B004				1									9-2/8		155
TM4 W0 B007	L	A05U1		1-01 *	ST5						1	W0 B007 L			156
TM4 W0 B007	L	A06K1		1-02 *	CD3						2	W0 B007 L			156
TM4 W0 B007	L	A07K2		1-03 *	AD2						1	W0 B007 L			156
TM4 W0 B007	L	A16L2		1-04 *											156
TM4 W0 B007				1									14-0/8		156
TM4 W0 B008	L	A16H2		1-01 *							1				157
TM4 W0 B008	L	B14T2		1-02 *	ED2						2	W0 B008 L			157
TM4 W0 B008	L	B12T2		1-03 *	ED2						1	W0 B008 L			157
TM4 W0 B008	L	B07H1		1-04 *	AD2						2	W0 B008 L			157
TM4 W0 B008	L	B05F2		1-05 *	ST5							W0 B008 L			157
TM4 W0 B008				1									18-4/8		157
TM4 W0 B009	L	A16K2		1-01 *							2				158
TM4 W0 B009	L	A08H1		1-02 *	FT5						1	W0 B009 L			158
TM4 W0 B009	L	B07H2		1-03 *	AD2						2	W0 B009 L			158
TM4 W0 B009	L	B05E2		1-04 *	ST5							W0 B009 L			158
TM4 W0 B009				1									15-4/8		158

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 20 RUN NUMBER
TRA2 DD B104	H	A01M1		1-01 *							1				169
TRA2 DD B104	H	A01T2		1-02 *											169
TRA2 DD B104				1									7-0/8		169
TRA2 DD B105	H	A01L1		1-01 *							1				170
TRA2 DD B105	H	A01S2		1-02 *											170
TRA2 DD B105				1									6-6/8		170
TRA2 REG SEL 03	H	B01F1		1-01 *							1				171
TRA2 REG SEL 03	H	B04M1		1-02 *											171
TRA2 REG SEL 03				1									4-0/8		171
TRA2 REG SEL 04	H	B01U1		1-01 *							1				172
TRA2 REG SEL 04	H	B04L1		1-02 *											172
TRA2 REG SEL 04				1									4-2/8		172
TRA2 RUN	H	A08J2		1-01 *							1				173
TRA2 RUN	H	B01P1		1-02 *											173
TRA2 RUN				1									7-6/8		173
TRA2 W0 DC B00	H	A01S1		1-01 *							1				174
TRA2 W0 DC B00	H	A01U1		1-02 *							2				174
TRA2 W0 DC B00	H	B05S1		1-03 *							1				174
TRA2 W0 DC B00	H	B06F1		1-04 *							2				174
TRA2 W0 DC B00	H	A07M1		1-05 *											174
TRA2 W0 DC B00				1									17-2/8		174
TRA2 W0 DC B01	H	A01N1		1-01 *							2				175
TRA2 W0 DC B01	H	A01T2		1-02 *							1				175
TRA2 W0 DC B01	H	B05M1		1-03 *							2				175
TRA2 W0 DC B01	H	B06M1		1-04 *							1				175
TRA2 W0 DC B01	H	A07F1		1-05 *											175
TRA2 W0 DC B01				1									16-6/8		175
TRA2 W0 DC B02	H	A07E1		1-01 *							2				176
TRA2 W0 DC B02	H	B06J1		1-02 *							1				176
TRA2 W0 DC B02	H	B05L1		1-03 *							2				176
TRA2 W0 DC B02	H	B01B1		1-04 *							1				176
TRA2 W0 DC B02	H	B01A1		1-05 *											176
TRA2 W0 DC B02				1									16-0/8		176
TRA2 W0 DC B03	H	A07D1		1-01 *							1				177
TRA2 W0 DC B03	H	A05P1		1-02 *							2				177
TRA2 W0 DC B03	H	A01V1		1-03 *							1				177
TRA2 W0 DC B03	H	A01V2		1-04 *							2				177
TRA2 W0 DC B03	H	B06K1		1-05 *											177
TRA2 W0 DC B03				1									16-2/8		177

RS04.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	11129 EXCEPTIONS	PAGE 21 RUN NUMBER
TRA2 W0 DC B04	H	A07V2		1-01 *							1				178
TRA2 W0 DC B04	H	B06B1		1-02 *							2				178
TRA2 W0 DC B04	H	B01J2		1-03 *							1				178
TRA2 W0 DC B04	H	B01E1		1-04 *											178
TRA2 W0 DC B04				1									11-4/8		178
TRA2 W0 DC B05	H	A07P2		1-01 *							1				179
TRA2 W0 DC B05	H	B06A1		1-02 *							2				179
TRA2 W0 DC B05	H	B01D1		1-03 *							1				179
TRA2 W0 DC B05	H	B01C1		1-04 *											179
TRA2 W0 DC B05				1									11-4/8		179
TRA2 WRT CLK	H	A08V1		1-01 *							1				180
TRA2 WRT CLK	H	B01R1		1-02 *											180
TRA2 WRT CLK				1									6-6/8		180
TRB2 DD B106	H	A02D1		1-01 *							1				181
TRB2 DD B106	H	A09R1		1-02 *											181
TRB2 DD B106				1									6-4/8		181
TRB2 DD B107	H	A02A1		1-01 *							1				182
TRB2 DD B107	H	A07R2		1-02 *											182
TRB2 DD B107				1									7-0/8		182
TRB2 DD B108	H	A02K1		1-01 *							1				183
TRB2 DD B108	H	B09D1		1-02 *											183
TRB2 DD B108				1									7-0/8		183
TRB2 DD B109	H	A02F1		1-01 *							1				184
TRB2 DD B109	H	B09C1		1-02 *											184
TRB2 DD B109				1									6-6/8		184
TRB2 DD B110	H	A02M1		1-01 *							1				185
TRB2 DD B110	H	A09U2		1-02 *											185
TRB2 DD B110				1									6-4/8		185
TRB2 DD B111	H	A02L1		1-01 *							1				186
TRB2 DD B111	H	B09B1		1-02 *											186
TRB2 DD B111				1									6-4/8		186
TRB2 EXCEPTION (EXT)	H	B02L1		1-01 *							1				187
TRB2 EXCEPTION (EXT)	H	B08L1		1-02 *											187
TRB2 EXCEPTION (EXT)				1									5-2/8		187
TRB2 INITILIZE	H	A04B1		1-01 *							1				188
TRB2 INITILIZE	H	B02R1		1-02 *											188
TRB2 INITILIZE				1									7-0/8		188

RSDW.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	1129 EXCEPTIONS	PAGE 22 RUN NUMBER
TRB2 REG SEL 00	H	A04M1	1-01 *							1				189
TRB2 REG SEL 00	H	B02F1	1-02 *											189
TRB2 REG SEL 00			1									4-6/8		189
TRB2 REG SEL 01	H	A04N1	1-01 *							1				190
TRB2 REG SEL 01	H	B02U1	1-02 *											190
TRB2 REG SEL 01			1									6-2/8		190
TRB2 REG SEL 02	H	A04P1	1-01 *							1				191
TRB2 REG SEL 02	H	B02V2	1-02 *											191
TRB2 REG SEL 02			1									6-0/8		191
TRB2 W0 DC 806	H	A02U1	1-01 *							1				192
TRB2 W0 DC 806	H	A02S1	1-02 *							2				192
TRB2 W0 DC 806	H	A07S1	1-03 *							1				192
TRB2 W0 DC 806	H	B06D1	1-04 *											192
TRB2 W0 DC 806			1									11-2/8		192
TRB2 W0 DC 807	H	A02N1	1-01 *							2				193
TRB2 W0 DC 807	H	A02T2	1-02 *							1				193
TRB2 W0 DC 807	H	B06C1	1-03 *							2				193
TRB2 W0 DC 807	H	A07R1	1-04 *											193
TRB2 W0 DC 807			1									11-4/8		193
TRB2 W0 DC 808	H	B02A1	1-01 *							1				194
TRB2 W0 DC 808	H	B02B1	1-02 *							2				194
TRB2 W0 DC 808	H	B07F1	1-03 *											194
TRB2 W0 DC 808			1									7-4/8		194
TRB2 W0 DC 809	H	A02V1	1-01 *							1				195
TRB2 W0 DC 809	H	A02V2	1-02 *							2				195
TRB2 W0 DC 809	H	A05N1	1-03 *							1				195
TRB2 W0 DC 809	H	B07E1	1-04 *											195
TRB2 W0 DC 809			1									11-0/8		195
TRB2 W0 DC 810	H	A05L2	1-01 *							1				196
TRB2 W0 DC 810	H	B07D1	1-02 *							2				196
TRB2 W0 DC 810	H	B02J2	1-03 *							1				196
TRB2 W0 DC 810	H	B02E1	1-04 *											196
TRB2 W0 DC 810			1									13-0/8		196
TRB2 W0 DC 811	H	B02C1	1-01 *							1				197
TRB2 W0 DC 811	H	B02D1	1-02 *							2				197
TRB2 W0 DC 811	H	B07C1	1-03 *							1				197
TRB2 W0 DC 811	H	B05V2	1-04 *											197
TRB2 W0 DC 811			1									11-6/8		197

RSDW.E RUN NAME	A/P	HND288.V23(23) 05/24/74 PIN NAME ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	9-JAN-75 LENGTH	1129 EXCEPTIONS	PAGE 23 RUN NUMBER
TRC2 DC PAI	H	B03C1	1-01 *							1				198
TRC2 DC PAI	H	B07J2	1-02 *											198
TRC2 DC PAI			1									5-0/8		198
TRC2 DD 8112	H	A03D1	1-01 *							1				199
TRC2 DD 8112	H	B09N1	1-02 *											199
TRC2 DD 8112			1									7-2/8		199
TRC2 DD 8113	H	A03A1	1-01 *							1				200
TRC2 DD 8113	H	B09M1	1-02 *											200
TRC2 DD 8113			1									7-4/8		200
TRC2 DD 8114	H	A03K1	1-01 *							1				201
TRC2 DD 8114	H	B09L1	1-02 *											201
TRC2 DD 8114			1									6-2/8		201
TRC2 DD 8115	H	A03F1	1-01 *							1				202
TRC2 DD 8115	H	B09L1	1-02 *											202
TRC2 DD 8115			1									6-6/8		202
TRC2 DD 8116	H	A03M1	1-01 *							1				203
TRC2 DD 8116	H	B09V2	1-02 *											203
TRC2 DD 8116			1									7-4/8		203
TRC2 DD 8117	H	A03L1	1-01 *							1				204
TRC2 DD 8117	H	B09U2	1-02 *											204
TRC2 DD 8117			1									7-2/8		204
TRC2 DD PAI	H	A03S1	1-01 *							1				205
TRC2 DD PAI	H	B09P1	1-02 *											205
TRC2 DD PAI			1									6-4/8		205
TRC2 DEMAND	H	B03R1	1-01 *							1				206
TRC2 DEMAND	H	B04F1	1-02 *											206
TRC2 DEMAND			1									3-4/8		206
TRC2 DRIVE SEL 00	H	B03F1	1-01 *							1				207
TRC2 DRIVE SEL 00	H	B04S2	1-02 *											207
TRC2 DRIVE SEL 00			1									3-6/8		207
TRC2 DRIVE SEL 01	H	B03U1	1-01 *							1				208
TRC2 DRIVE SEL 01	H	B04P2	1-02 *											208
TRC2 DRIVE SEL 01			1									3-2/8		208
TRC2 DRIVE SEL 02	H	B03V2	1-01 *							1				209
TRC2 DRIVE SEL 02	H	B04L2	1-02 *											209
TRC2 DRIVE SEL 02			1									3-4/8		209

RS04.E
RUN NAME

HND28A.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

4-JAN-75

LENGTH

11129

EXCEPTIONS

PAGE 24

RUN
NUMBER

TRC2 MASS FAIL
TRC2 MASS FAIL
TRC2 MASS FAIL

H A04L1 1-01 *
H B03T2 1-02 *
1

1

6-07/8

210
210
210

TRC2 H0 DC B12
TRC2 H0 DC B12
TRC2 H0 DC B12
TRC2 H0 DC B12
TRC2 H0 DC B12

H A03N1 1-01 *
H A03T2 1-02 *
H A05S1 1-03 *
H B07S1 1-04 *
1

1

2

1

11-47/8

211
211
211
211
211

TRC2 H0 DC B13
TRC2 H0 DC B13
TRC2 H0 DC B13
TRC2 H0 DC B13
TRC2 H0 DC B13

H A05K1 1-01 *
H B03A1 1-02 *
H B03B1 1-03 *
H B07R1 1-04 *
1

2

1

2

12-07/8

212
212
212
212
212

TRC2 H0 DC B14
TRC2 H0 DC B14
TRC2 H0 DC B14
TRC2 H0 DC B14
TRC2 H0 DC B14

H A03V2 1-01 *
H A03V1 1-02 *
H B07P1 1-03 *
H B05U1 1-04 *
1

1

2

1

11-27/8

213
213
213
213
213

TRC2 H0 DC B15
TRC2 H0 DC B15
TRC2 H0 DC B15
TRC2 H0 DC B15
TRC2 H0 DC B15

H B03E1 1-01 *
H B03J2 1-02 *
H B05U2 1-03 *
H B07N1 1-04 *
1

1

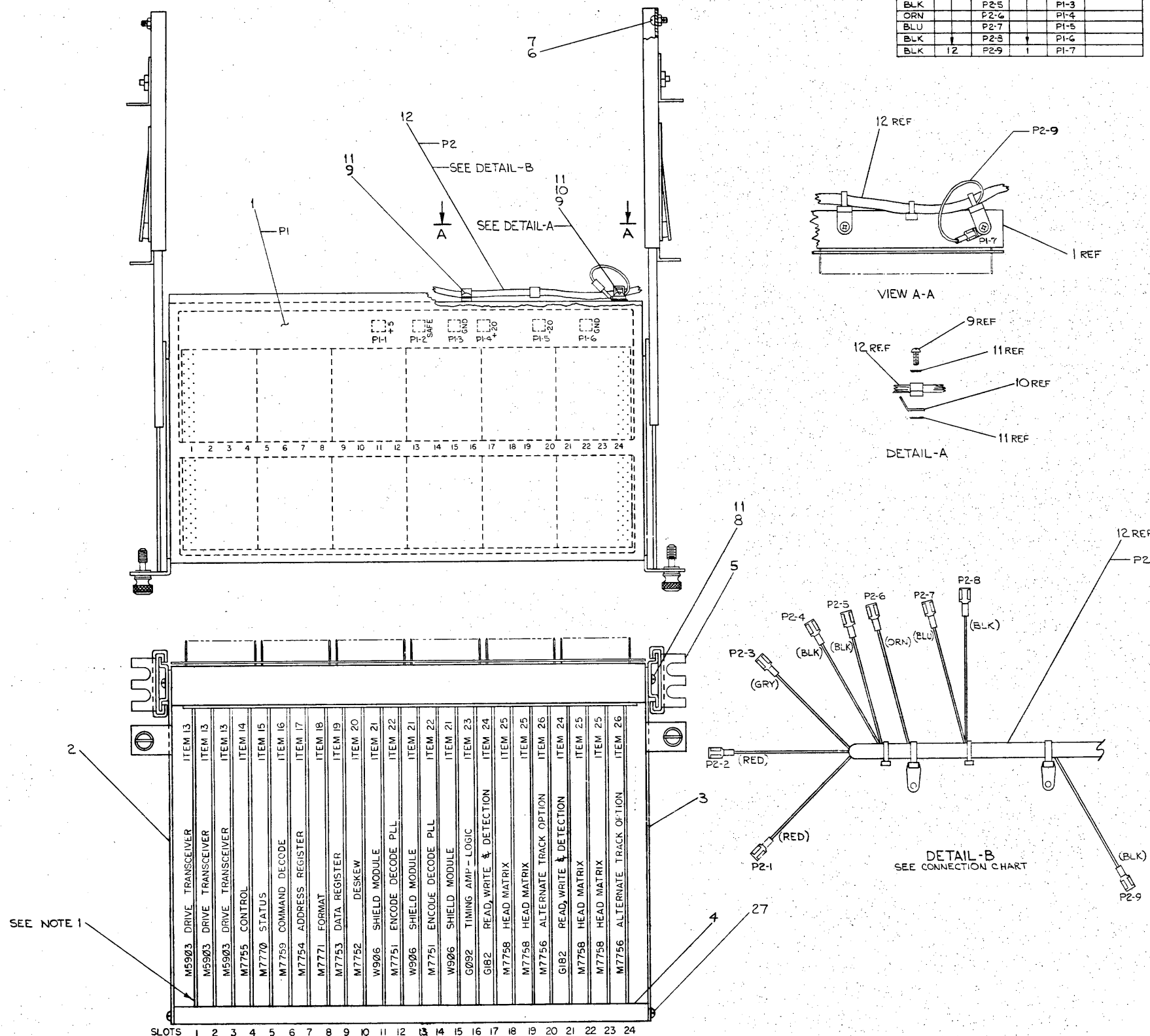
2

1

10-27/8

214
214
214
214
214

1. ITEM #13 (DRIVE TRANSCEIVER)
TO BE REPLACED BY M5903-YA
(MASS BUS TERMINATOR) WHEN
DRIVE IS THE END DRIVE ON A
MASSBUS CABLE SYSTEM.



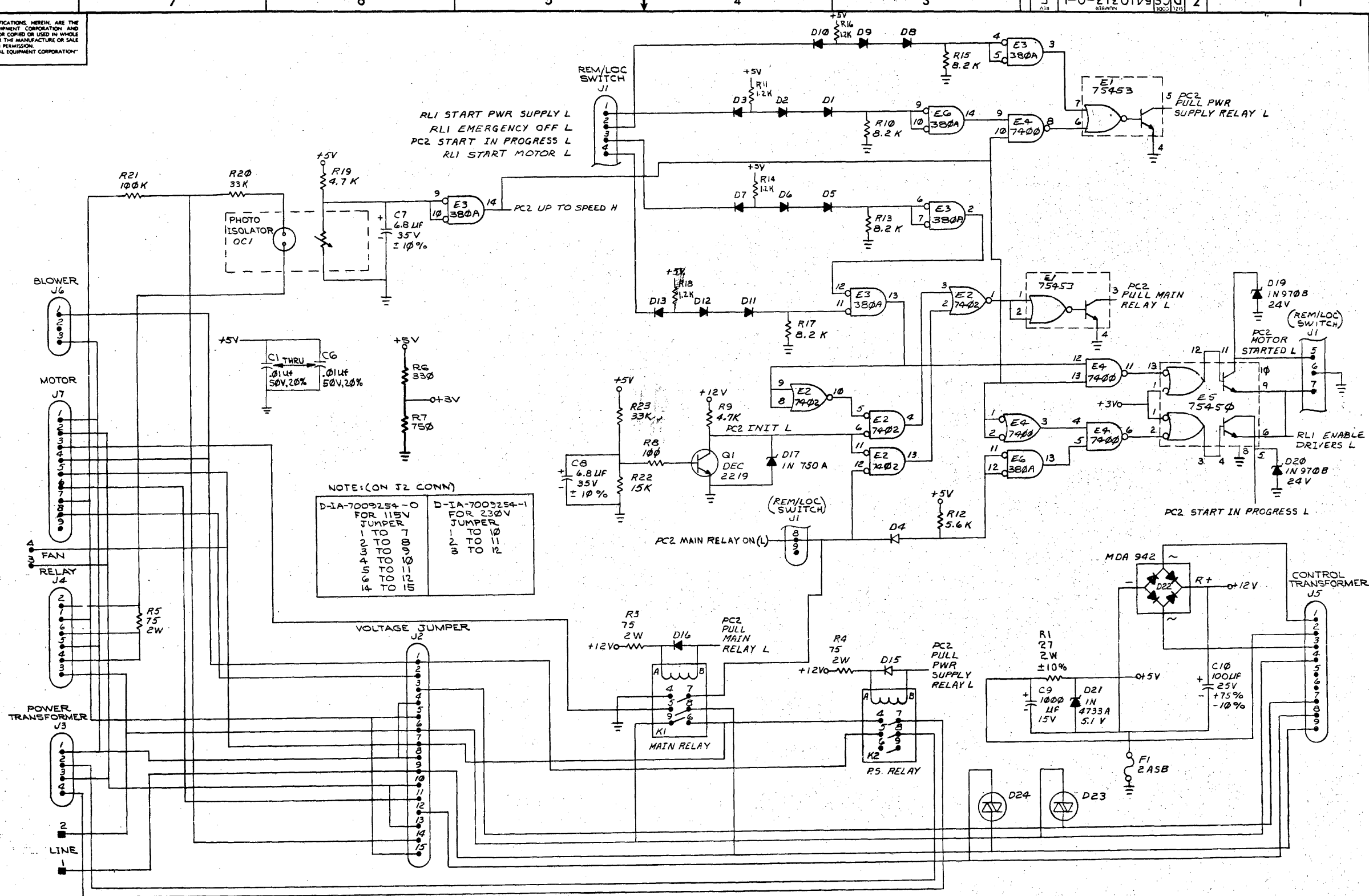
2	SCR, PPH SELTAP 6-32 x 3/8	90C9525-1	17
2	ALT TRAP OFFON, CABLE ASSY	D-34-70025-0	26
4	HEAD MATRIX CABLE ASSY	D-34-70025-0	26
2	READ, WRITE & DETECTION	G182	24
1	TIMING AMP CABLE ASSY	D-34-70025-0	23
2	ENCODE DECODE PLL	M7751	23
3	SHIELD MODULE	W964	22
1	DESKW	M7752	20
1	DATA REGISTER	M7753	19
1	FORMAT	M7771	16
1	ADDRESS REGISTER	M7754	17
1	COMMAND DECODE	M7753	16
1	STATUS	M7770	15
1	CONTROL	M7755	14
3	DR. E TRANSCEIVER	M5903	13
1	LOGIC HARNESS	D-34-70025-0	12
8	LOCK W/SHASER X EXT TOOTH	9007649	9
1	GROUND LUG	9007253	10
2	SCR, PHL PAN HD#6-32x3/8	9006022-1	9
2	SCR, PHL PAN HD#6-32x5/16 LG	9006021-1	8
2	KEP NUT # 0	9006565	7
2	SCR, PHL PAN HD#10-32x3/8	9006071-1	6
1	LOGIC SLIDE (PAIR)	D-34-70025-0	5
1	BAR CARD RETAINER	GMF7059B1-0	0
1	PLATE, LOGIC SIDE R.H.	D-34-70059B3-2	4
1	PLATE, LOGIC SIDE L.H.	D-34-70059B3-1	2
1	WIRED ASSY	DAD-70059B-0	1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS04			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		PARTS LIST	
TOLERANCES	DIN	DATE	 DIGITAL EQUIPMENT CORPORATION MADE IN MASSACHUSETTS
DECIMALS ANGLES	DATE		
.0001 .0005 .001 .002 .005 .010 .015 .020 .030 .040 .050 .060 .070 .080 .090 .100 .125 .150 .175 .200 .250 .300 .375 .500 .625 .750 .875 1.000 1.250 1.500 1.750 2.000 2.500 3.000 3.750 4.000 5.000 6.000 7.000 8.000 10.000 12.000 15.000 20.000 25.000 30.000 37.500 40.000 50.000 60.000 75.000 100.000 125.000 150.000 175.000 200.000 250.000 300.000 375.000 400.000 500.000 600.000 750.000 1000.000 1250.000 1500.000 1750.000 2000.000 2500.000 3000.000 3750.000 4000.000 5000.000 6000.000 7500.000 10000.000 12500.000 15000.000 17500.000 20000.000 25000.000 30000.000 37500.000 40000.000 50000.000 60000.000 75000.000 100000.000 125000.000 150000.000 175000.000 200000.000 250000.000 300000.000 375000.000 400000.000 500000.000 600000.000 750000.000 1000000.000 1250000.000 1500000.000 1750000.000 2000000.000 2500000.000 3000000.000 3750000.000 4000000.000 5000000.000 6000000.000 7500000.000 10000000.000 12500000.000 15000000.000 17500000.000 20000000.000 25000000.000 30000000.000 37500000.000 40000000.000 50000000.000 60000000.000 75000000.000 100000000.000 125000000.000 150000000.000 175000000.000 200000000.000 250000000.000 300000000.000 375000000.000 400000000.000 500000000.000 600000000.000 750000000.000 1000000000.000 1250000000.000 1500000000.000 1750000000.000 2000000000.000 2500000000.000 3000000000.000 3750000000.000 4000000000.000 5000000000.000 6000000000.000 7500000000.000 10000000000.000 12500000000.000 15000000000.000 17500000000.000 20000000000.000 25000000000.000 30000000000.000 37500000000.000 40000000000.000 50000000000.000 60000000000.000 75000000000.000 100000000000.000 125000000000.000 150000000000.000 175000000000.000 200000000000.000 250000000000.000 300000000000.000 375000000000.000 400000000000.000 500000000000.000 600000000000.000 750000000000.000 1000000000000.000 1250000000000.000 1500000000000.000 1750000000000.000 2000000000000.000 2500000000000.000 3000000000000.000 3750000000000.000 4000000000000.000 5000000000000.000 6000000000000.000 7500000000000.000 10000000000000.000 12500000000000.000 15000000000000.000 17500000000000.000 20000000000000.000 25000000000000.000 30000000000000.000 37500000000000.000 40000000000000.000 50000000000000.000 60000000000000.000 75000000000000.000 100000000000000.000 125000000000000.000 150000000000000.000 175000000000000.000 200000000000000.000 250000000000000.000 300000000000000.000 375000000000000.000 400000000000000.000 500000000000000.000 600000000000000.000 750000000000000.000 1000000000000000.000 1250000000000000.000 1500000000000000.000 1750000000000000.000 2000000000000000.000 2500000000000000.000 3000000000000000.000 3750000000000000.000 4000000000000000.000 5000000000000000.000 6000000000000000.000 7500000000000000.000 10000000000000000.000 12500000000000000.000 15000000000000000.000 17500000000000000.000 20000000000000000.000 25000000000000000.000 30000000000000000.000 37500000000000000.000 40000000000000000.000 50000000000000000.000 60000000000000000.000 75000000000000000.000 100000000000000000.000 125000000000000000.000 150000000000000000.000 175000000000000000.000 200000000000000000.000 250000000000000000.000 300000000000000000.000 375000000000000000.000 400000000000000000.000 500000000000000000.000 600000000000000000.000 750000000000000000.000 1000000000000000000.000 1250000000000000000.000 1500000000000000000.000 1750000000000000000.000 2000000000000000000.000 2500000000000000000.000 3000000000000000000.000 3750000000000000000.000 4000000000000000000.000 5000000000000000000.000 6000000000000000000.000 7500000000000000000.000 10000000000000000000.000 12500000000000000000.000 15000000000000000000.000 17500000000000000000.000 20000000000000000000.000 25000000000000000000.000 30000000000000000000.000 37500000000000000000.000 40000000000000000000.000 50000000000000000000.000 60000000000000000000.000 75000000000000000000.000 100000000000000000000.000 125			

1

QTY		REF DESIGNATION		DESCRIPTION				PART NO.		ITEM NO.	
										ITEM NO.	
FIRST USED ON OPTION MODEL						PARTS LIST					
P-02/04											
ETCH BOARD REV											
CHG	CHANGE NO.	REV			DRN J. Guarnotta		DATE 4-19-73		 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
					CHK'D J. Guarnotta		DATE 7/11/73				
		DATE 7/11/73		DATE 7/11/73							
		PRJ. ENG. J. Guarnotta		DATE 7/11/73							
		PROD. J. Guarnotta		DATE 7/11/73							
						NEXT HIGHER ASSY E-AD-7009006-0-0			TITLE POWER SUPPLY CONTROL SCHEMATIC		
DEC NO.		EIA NO.		DEC NO.		EIA NO.		SIZE CODE		NUMBER	
								D1CS		7009006-0-1	
SEMICONDUCTOR CONVERSION CHART											
SCALE						OF		DIS.			
SHEET						OF		DIS.			

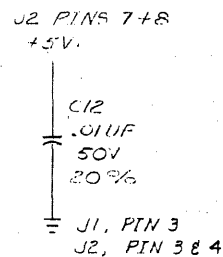
1



REVISIONS		
CHK	CHANGE NO.	REV.

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

4. "L" HOLES ON HEAT SINK AND BOARD TO BE ALIGNED THEN HARDWARE TO BE TIGHTENED BEFORE SOLDERING.
5. THERMAL COMPOUND (ITEM 58) TO BE APPLIED TO BOTH SIDES OF PLASTIC FILM (ITEM 45 + 47) AND HEAVILY ON D7 CONTACT FACE BEFORE ASSEMBLY.



										PARTS LIST														
ETCH BOARD REV					H																			
						DRAWN	<i>B. Bismonte</i>				DATE	8-23-72				digital EQUIPMENT CORPORATION MATTHEW MASSACHUSETTS TITLE POWER SUPPLY REGULATOR								
						CHECK'D.					DATE	3-6-73												
						ENG.	<i>Chas S. Cui</i>				DATE	3-6-73												
						PROJ. ENG.	<i>Chas S. Cui</i>				DATE	3-6-73												
						PROD.	<i>M. Wadley</i>				DATE	11/4/73												
						NEXT HIGHER ASSY																		
						+ +																		
DEC NO.					EIA NO.					SIZE CODE					NUMBER					REV.				
										CICS					5410188-0-1					X				
CONVERSION CHART																								
SCALE					+ -																			
SHEET					1					OF					2					DIST.				

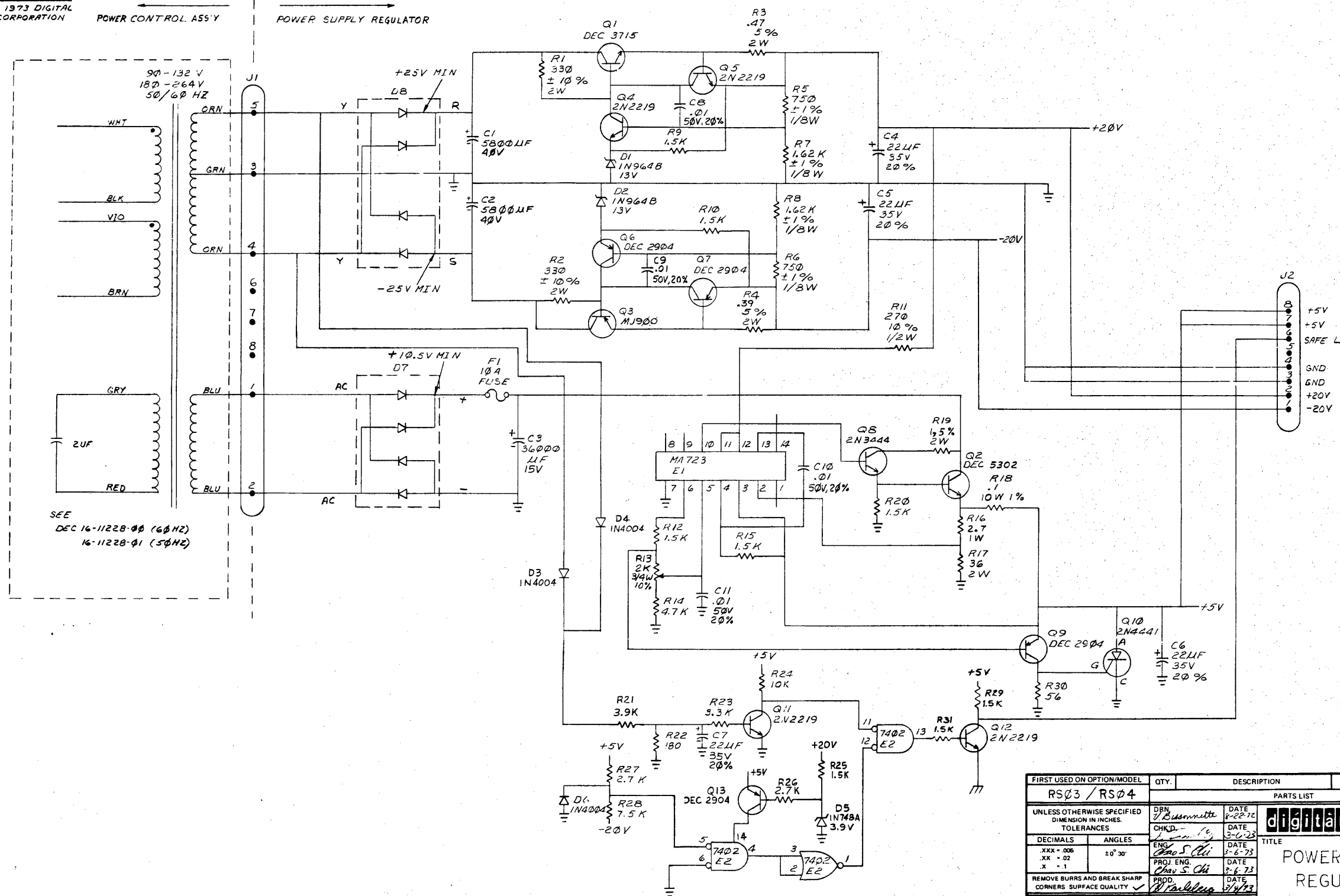
DEC FORM NO. DRD-135A	8
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A horizontal number line with tick marks every 0.1 units. The number 5 is labeled below the 5th major tick mark, and the number 4 is labeled below the 4th major tick mark. An arrow points upwards to the 5th minor tick mark between the 4 and 5 major tick marks, representing the value 4.5.

	3	
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2	1
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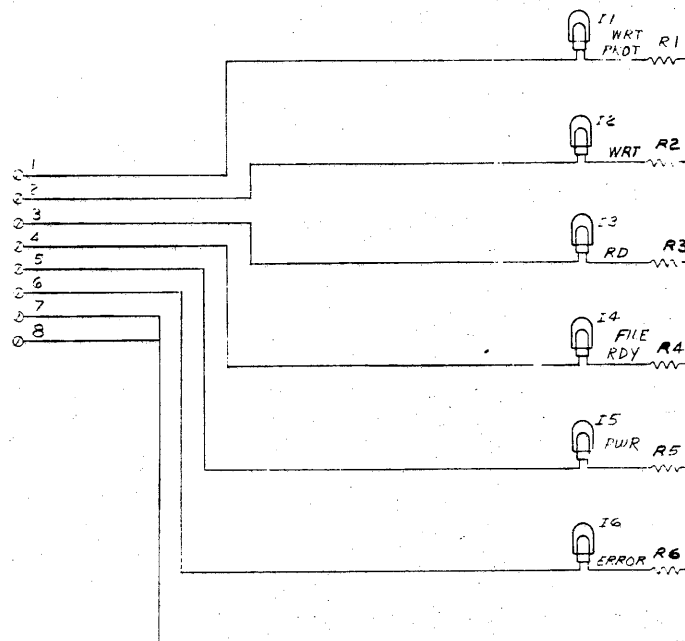
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EQUIPMENT CORPORATION



FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	REV. NO.
RSØ3 / RSØ4		PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>D. Busonnette</i>	DATE <i>8-22-72</i>	digital EQUIPMENT CORPORATION MATTHEW HARBACH, SETTER	
DECIMALS		CHK'D <i>L. G. G. G.</i>	DATE <i>3-6-73</i>	TITLE POWER SUPPLY REGULATOR	
ANGLES		ENG. <i>Chas S. Chi</i>	DATE <i>3-6-73</i>		
.XXX = .006 .XX = .02 .X = .1		PROJ. ENG. <i>Chas S. Chi</i>	DATE <i>3-6-73</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD. <i>A. J. J. J.</i>	DATE <i>3-4-73</i>		
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	NUMBER
+ + +		+ + +		D CS	5410188-0-1
FINISH		SCALE		DIST	REV.
+ + +		SHEET 2 OF 2			K

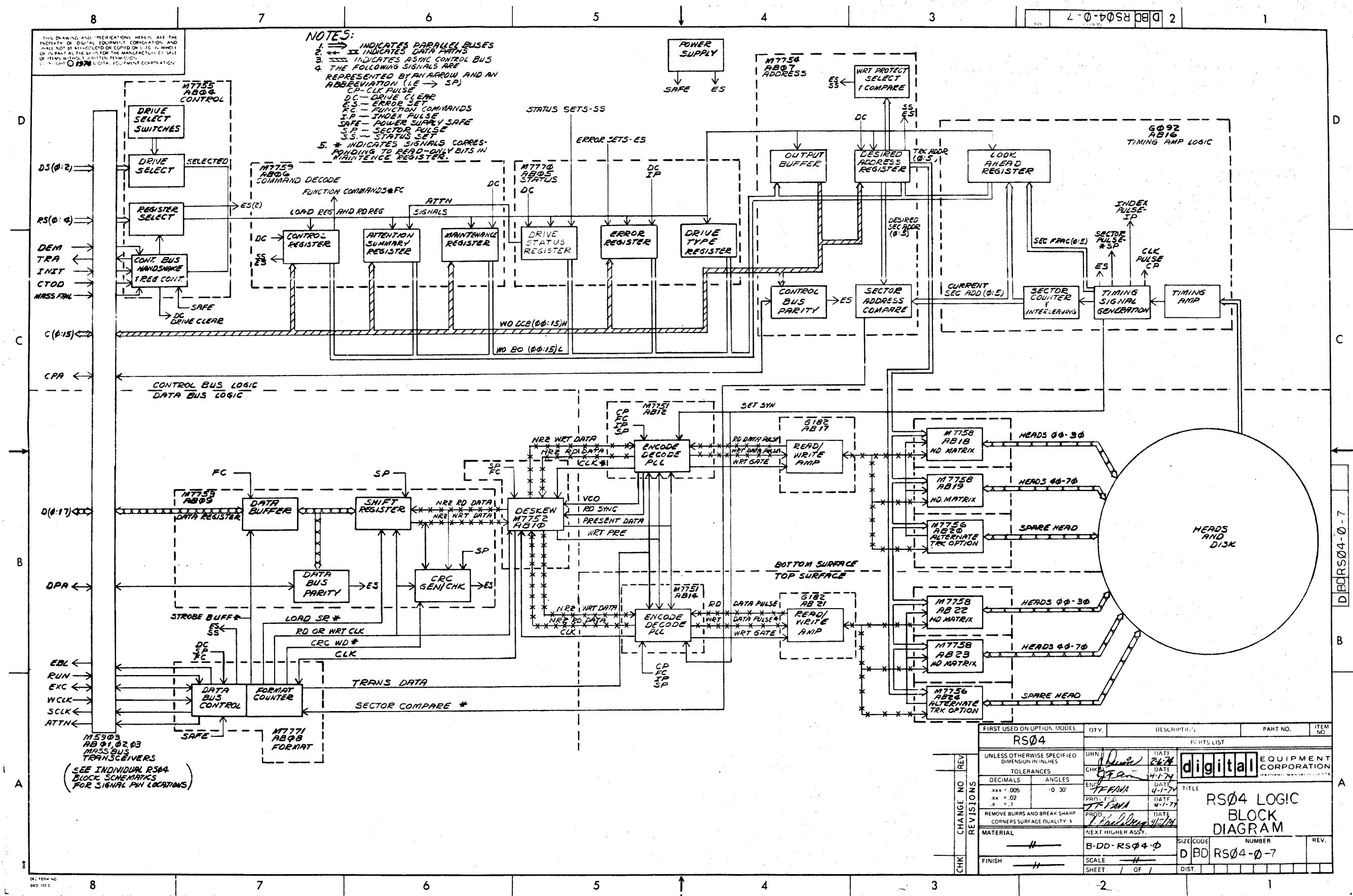
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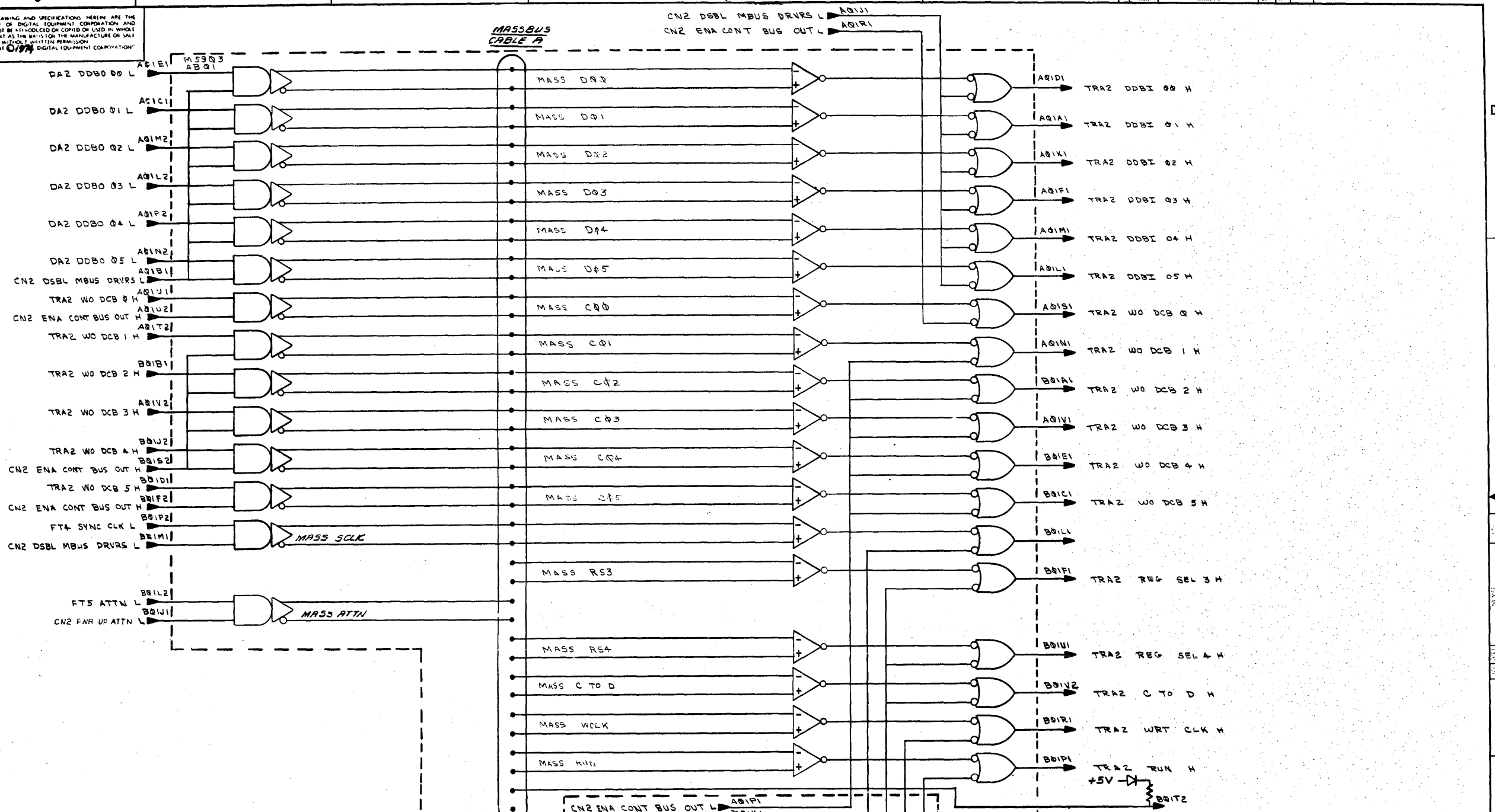


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/04					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN G. Macintosh	DATE 10-16-72	PARTS LIST	
		CHKD J. D. S.	DATE 10-20-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	ENG M. Field	DATE 6/7/73	TITLE	
.XXX = .005	± 0° 30'	PROJ. ENG M. Field	DATE 6/7/73	LIGHT PANEL	
.XX = .02		PROD. J. Macintosh	DATE 6/7/73		
.X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.		SIZE/CODE	NUMBER
FINISH		SCALE		DCS	5410292-0-1
		SHEET 2 OF 2		DIST.	REV. C

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS04			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		URN.	DATE	digital EQUIPMENT CORPORATION CORPORATION, NEWARK, N.J. 07102	
TOLERANCES		CHKD.	DATE		
DECIMALS	ANGLES	ENG.	DATE	TITLE RS04 LOGIC BLOCK DIAGRAM	
.XXX ± .005	0° 30'	PROF. F.G.	DATE		
.XX ± .02		TRFMAN	DATE		
.X ± .1		PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		NEXT HIGHER ASSY.		REV.	
MATERIAL		B-DD-RS04-0		SIZE/CODE	NUMBER
FINISH		SCALE		D BD	RS04-0-7
		SHEET		OF	
		DIST.			



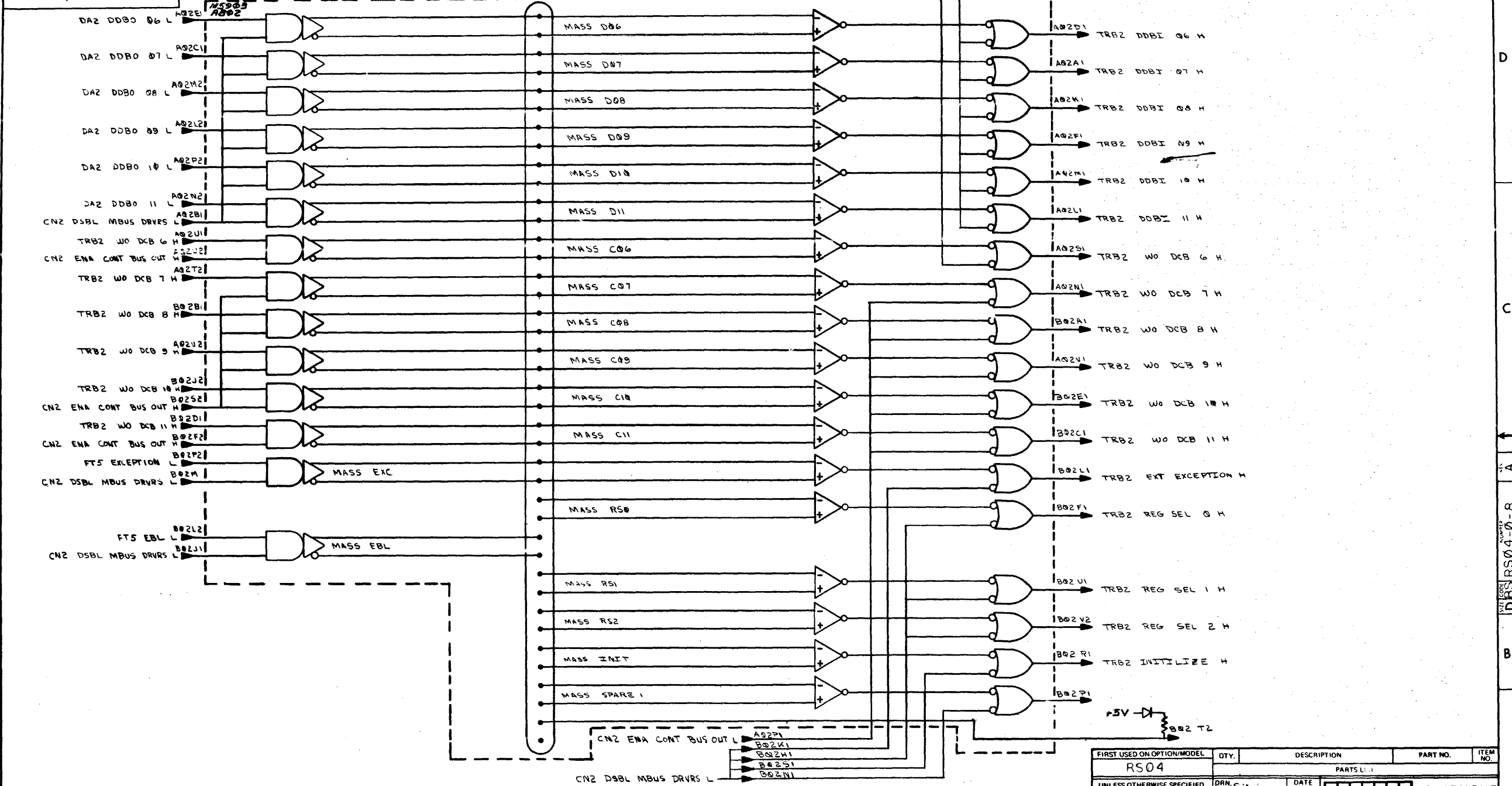
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REV	CHG	NO	BY	DATE
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.	ITEM NO.
RS04						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. Silvia	DATE 2-26-74	PART NO.		
TOLERANCES		CHKD. [Signature]	DATE 3-5-74	TITLE		
DECIMALS	ANGLES	ENG. [Signature]	DATE 4-1-74	MASSBUS		
.xxx = .005	'0 30'	PROJ. ENG. [Signature]	DATE 4-1-74	TRANSCIVER (TRA)		
.xx = .02		PROD. [Signature]	DATE 4-1-74			
.x = .1						
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V		NEXT HIGHER ASSY.				
MATERIAL		B-DD-RS04-0		SIZE CODE	NUMBER	REV.
FINISH		SCALE		D BS	RS04-0-8	A
SHEET 1 OF 3		DIST.				

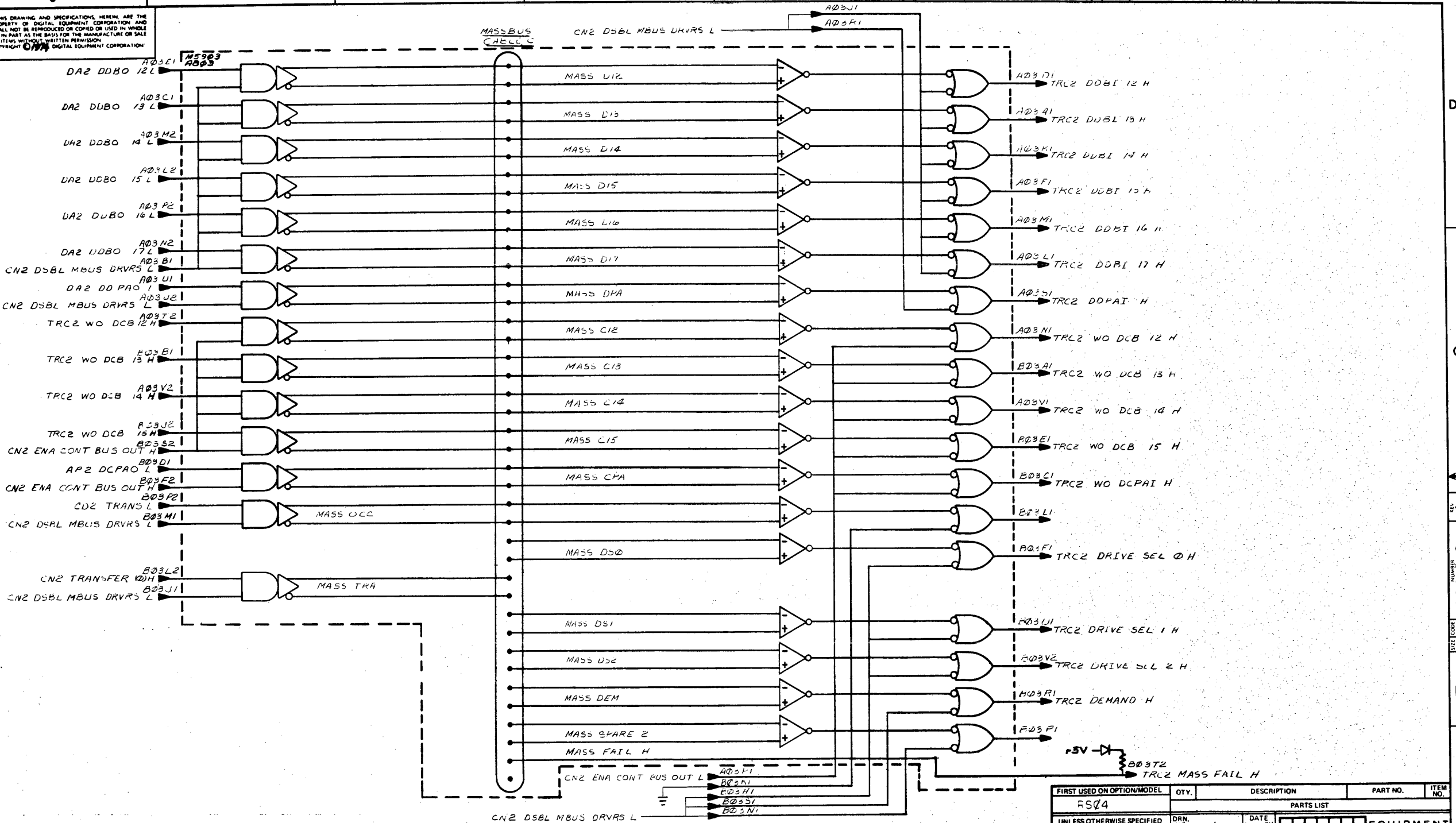
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REV	CHG	NO
1		

FIRST USED ON OPTION/MODEL RS04		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. <i>Silvia</i>	DATE 2-26-74	PARTS LIST	
TOLERANCES		CHKD. <i>AD</i>	DATE 3-2-74	digital EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS	
DECIMALS	ANGLES	ENG. <i>J.F. FAVA</i>	DATE 4-1-74	TITLE MASSBUS TRANSCEIVER (TRB)	
.XXX = .006	.XX = .02	PROJ. ENG. <i>J.F. FAVA</i>	DATE 4-1-74	NEXT HIGHER ASSY. B-DD-RS04-0	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V		PROD. <i>J. Kallender</i>	DATE 4-1-74	SIZE CODE D BS	
MATERIAL S S		SCALE SHEET 2 OF 3		NUMBER RS04-0-8	
FINISH S S		DIST.		REV. A	

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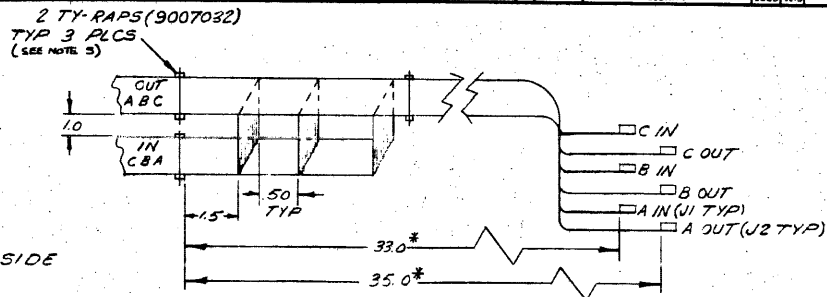
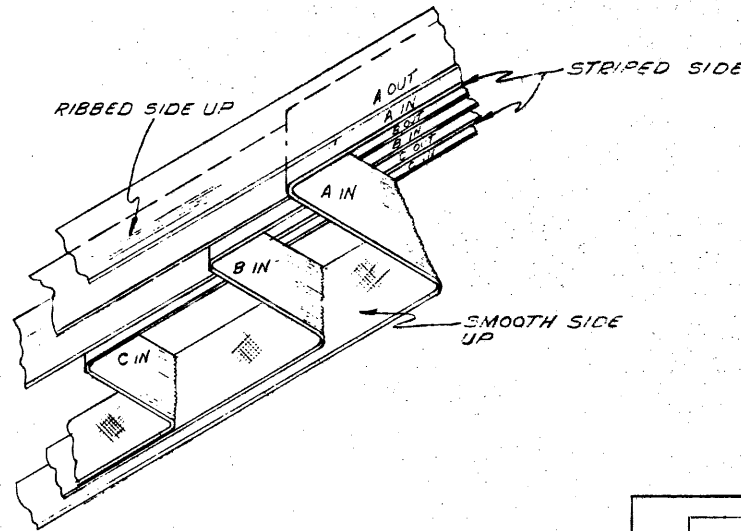
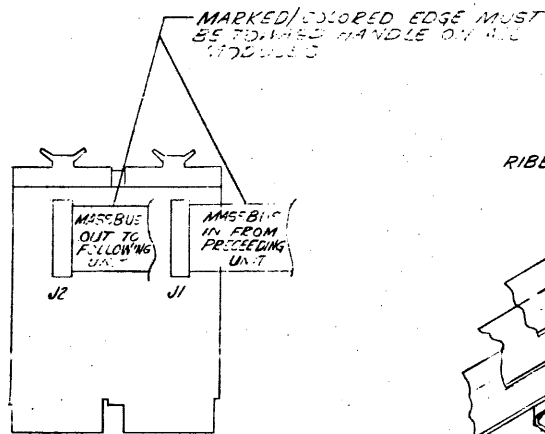
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS04					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN.	DATE	PARTS LIST	
TOLERANCES		CHKD.	DATE	digital EQUIPMENT CORPORATION	
DECIMALS	ANGLES	ENG.	DATE	TITLE	
.XXX = .005	±0° 30'	PROJ. ENG.	DATE	MASSBUS	
.XX = .02		PROD.	DATE	TRANSCIVER (TRC)	
.X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V		NEXT HIGHER ASSY.			
MATERIAL		B-DD-RS04-0		SIZE CODE	NUMBER
FINISH		SCALE		D BS	REV.
		SHEET 3 OF 3		RS04-0-8	A

REVISIONS
CHANGE NO.
REV.

8 7 6 5 4 3 2 1

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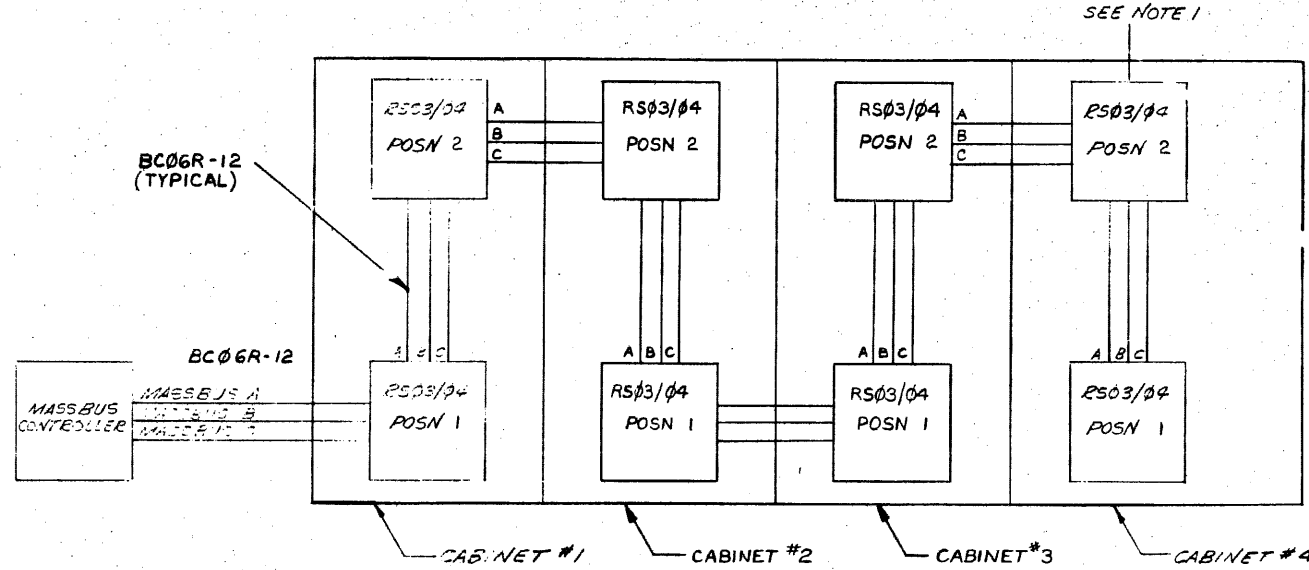


* MEASUREMENTS MADE WITH CABLE STRAIGHT

UNIT	MASSBUS	MODULE	SLOT
R503/04 1	A	M5903	AB1
1	B		AB2
1	C		AB3
2	A		AB1
2	B		AB2
2	C		AB3
3	A		AB1
3	B		AB2
3	C		AB3
4	A		AB1
4	B		AB2
4	C		AB3
5	A		AB1
5	B		AB2
5	C		AB3
6	A		AB1
6	B		AB2
6	C		AB3
7	A		AB1
7	B		AB2
7	C	M5903	AB3
8/LAST	A	M5903	AB1
8/LAST	B	M5903	AB2
8/LAST	C	M5903	AB3

NOTES:

- ANY NUMBER OF RS03/04'S FROM 1 TO 4 MAY BE CONNECTED TO A MASSBUS CONTROLLER. ANY PARTICULAR SYSTEM MAY BE CONFIGURED IN A VARIETY OF WAYS AS LONG AS THE FOLLOWING GUIDELINES ARE MET.
 - VERTICALLY ADJACENT (IN THE SAME CABINET) DRIVES ARE CONNECTED BY 12 FT CABLES (TO ALLOW DRIVES TO BE SLID OUT FOR SERVICING).
 - HORIZONTALLY ADJACENT (IN IMMEDIATELY ADJACENT CABS) ARE CONNECTED BY 12 FOOT CABLES (TO ALLOW DRIVES TO BE SLID OUT FOR SERVICING).
 - THE TOTAL SYSTEM LENGTH OF MASSBUS CABLE DOES NOT EXCEED 120 FT.
- LAST UNIT EQUIPPED WITH M5903 PLUS H070* TERMINATOR. CONTROLLERS USE M5904.
- MAX BUS LENGTH 120 FT.
- CABLE LENGTHS MUST ENABLE FULL EXTENSION FOR SERVICING.
- * MAY BE M5903YA OTHER SYSTEMS
- LOCATE TY-RAPS AGAINST CABLE CLAMPS ON REAR OF DRIVE.

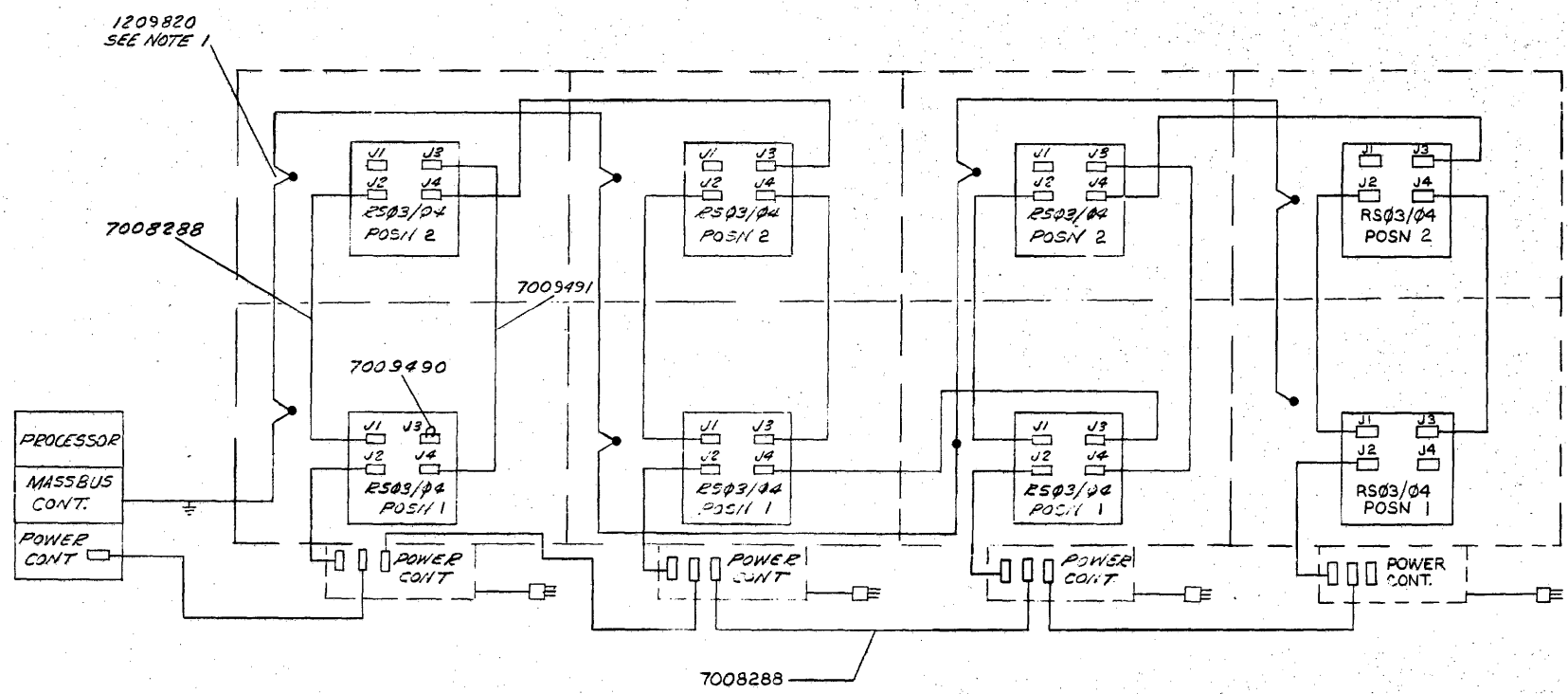


FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS03/04				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.	DATE	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
TOLERANCES	CHKD. DATE	DATE	TITLE	
DECIMALS ANGLES	ENG. DATE	DATE	MASSEUS CABLE CONFIGURATION	
XXX + .005 .XX + .02 X + .1	PROJ. ENG. DATE	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. DATE	DATE		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	RS04/03	DSD	RS04-0-6	A
	SCALE	SHEET	OF	

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5-0-0-058 09 2

NOTE:
1. GROUND STRAP SECURED TO DRIVE UNDER L.H. LOCKING PLATE SCREW!



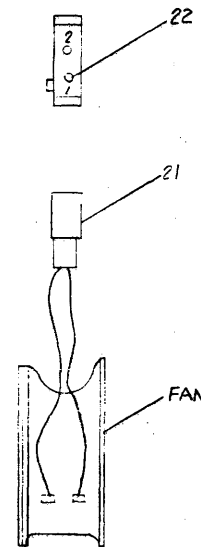
REV	CHG	NO	REV
1	RS04-00015	A	
2	RS04-00015	A	
3	RS04-00015	A	
4	RS04-00015	A	
5	RS04-00015	A	
6	RS04-00015	A	
7	RS04-00015	A	
8	RS04-00015	A	

FIRST USED ON OPTION/MODEL RS03/04		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE 10/11/73			
TOLERANCES		DATE 10/11/73			
DECIMALS	ANGLES	DATE 10/11/73			
.xxx = .005	±0° 30'	DATE 10/11/73			
.xx = .02		DATE 10/11/73			
.x = .1		DATE 10/11/73			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE 10/11/73			
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET 1 OF 1			
		SIZE CODE		NUMBER	REV.
		D BD		RS04-0-5	A
		DIST.			

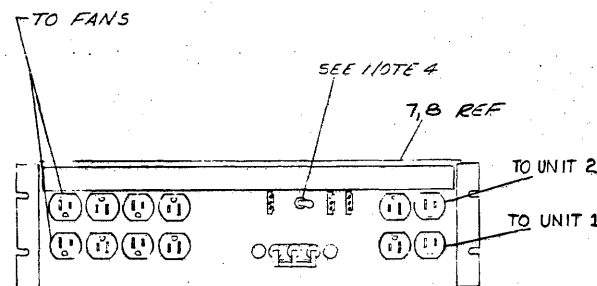
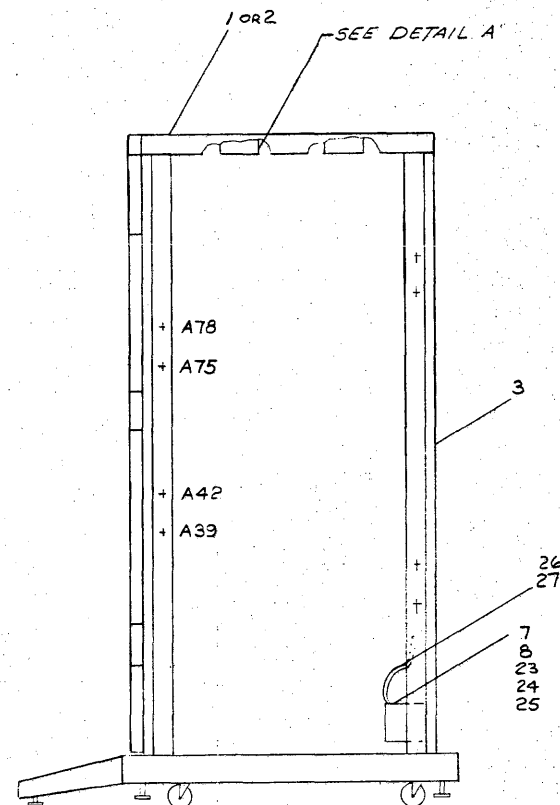
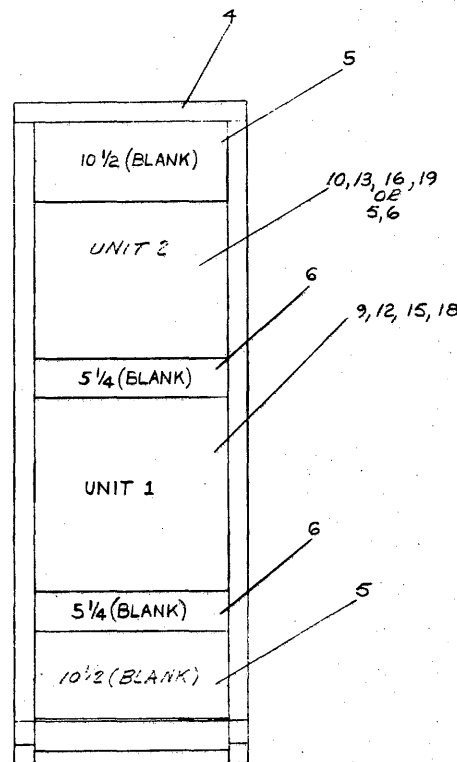
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TITLE: REMOTE POWER & SEQUENCE CONFIGURATION

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DETAIL A
SEE NOTE 3



POWER CONNECTIONS

VARIATION	DECDISK	POWER
RS04-BA	(1) RS04-AA	115V 60Hz
RS04-BB	(1) RS04-AB	230V 60Hz
RS04-BC	(1) RS04-AC	115V 50Hz
RS04-BD	(1) RS04-AD	230V 50Hz
RS04-CA	(2) RS04-AA	115V 60Hz
RS04-CB	(2) RS04-AB	230V 60Hz
RS04-CC	(2) RS04-AC	115V 50Hz
RS04-CD	(2) RS04-AD	230V 50Hz

NOTES:

- FOR VARIATIONS RS04-BA, BC, BB, BD, UNIT 2 IS REPLACED BY ITEMS 5 & 6.
- ~~FOR VARIATIONS RS04-BA, BC, BB, BD, UNIT 2 IS REPLACED BY ITEMS 5 & 6.~~
- ITEM 21 & 22 TO BE ATTACHED TO EXISTING FAN WIRES IN ITEMS 1 & 2.
- OPERATE POWER CONTROL WITH SWITCH IN "LOCAL ON" POSITION.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RS04				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DRN 6.31 CHND 1.25	DATE 10/10/73 DATE 10/10/73	
XXX = .005 XX = .02 X = .1	±0° 30'	ENG. PROJ. ENG. PROD.	DATE DATE DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		TITLE RS04 OPTION CONFIGURATION		
MATERIAL AL	NEXT HIGHER ASSY.	SIZE CODE DOC	NUMBER RS04-0-4	REV. A
FINISH AL	SCALE SHEET 1 OF 1			

REVISIONS	CHANGE NO.	REV.
CHK	RS04-00015	A
DATE	1-24-73	
J. READ		
J. READ		

PARTS LIST

DATE May 7 1974

DATE *3/11/74*

ISSUED SECT.	
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QUANTITY / VARIATION

TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.	ECONO
RSØ4 OPTION CONFIGURATION				A	PL	RSØ4-Ø-4				A	RSØ4-00015
SHEET		OF 2		DIST.							

DEC FORM NO. 16-1031
DRA 110

PARTS LIST

DATE _____

DATE _____

ISSUED SECT.

DESCRIPTION

[illegible]

REV.	ECO NO.
A	

DEC FORM NO.16 1031
DRA 110