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# FIELD MAINTENANCE PRINT SET

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	SHIPPING LIST TA36

UNIT VARIATIONS COVERED BY THIS PRINT SET
TA36-DA
TA36-DB
TA36-DC
TA36-DD

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO. MPØØ252

<table border="1"> <tr> <th>REVISIONS</th> <th>DATE</th> <th>CHG. NO.</th> <th>REV.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		REVISIONS	DATE	CHG. NO.	REV.					<table border="1"> <tr> <th>USED ON OPTION/MODEL</th> <th>DRN.</th> <th>DATE</th> </tr> <tr> <td>TA36</td> <td>✓ 10/1/76</td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	USED ON OPTION/MODEL	DRN.	DATE	TA36	✓ 10/1/76																										<table border="1"> <tr> <th>CHK'D</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	CHK'D	DATE			<table border="1"> <tr> <th>PROJ. ENG.</th> <th>DATE</th> </tr> <tr> <td>John D. ...</td> <td>10/1/76</td> </tr> </table>	PROJ. ENG.	DATE	John D. ...	10/1/76	<table border="1"> <tr> <th>FIELD SERV.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	FIELD SERV.	DATE			<div style="text-align: right; border: 1px solid black; padding: 2px;">digital</div> <p>TITLE: TA36 UNIT ASSY</p>	<table border="1"> <tr> <th>SIZE</th> <th>CODE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>B</td> <td>TC</td> <td>TA36-Ø-1</td> <td> </td> </tr> </table>	SIZE	CODE	NUMBER	REV.	B	TC	TA36-Ø-1	
		REVISIONS	DATE	CHG. NO.	REV.																																																												
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<p>DRB 124</p>		<p>SHEET 1 OF 1</p>		<p>DIST.</p>		<table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>																																																											

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# FIELD MAINTENANCE PRINT SET

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 D-CS-5412563-0-1 MODIFIED BSR ASSY

UNIT VARIATIONS COVERED BY THIS PRINT SET
LASXX-AE
LASXX-AF

**Field Maintenance  
Print Set**

**Digital Equipment  
Corporation**

PRINT SET ORDER NO.  
MPØØ242



TITLE:

MODIFIED BSR ASSY

SIZE	CODE	NUMBER	REV.
<b>B</b>	<b>TC</b>	LASXX-AE-1	
DIST.			

REVISIONS	REV.	CHG. NO.	DATE	USED ON OPTION/MODEL	DRN.	DATE	SHEET 1 OF 1
				TA36			
					CHK'D	DATE	
					PRQJ. ENG.	DATE	
				FIELD SERV.	DATE		



1

BSR ASSY

E-UA-LASXX-AE-Ø

2

LASXX-AE, F MODIFIED BSR
B-DD-5412563-0

3

BRACKET ASSY

D-IA-7013270-0-0

TRANSFORMER ASSY

C-IA-7012589-0-0

4

TITLE	SHEET	SIZE	CODE	NUMBER	REV
MODIFIED BSR ASSY	2 OF 3	B	DD	LASXX-AE	

ITEM NO.	DRAWING NO.		DESCRIPTION		TYPE	FIND NO.	DRAWING NO.		DESCRIPTION		TYPE
1	MP00242		FIELD MAINTENANCE PRINT SET (MP)		E						
	E-TC-LASXX-AE-1		FIELD MAINTENANCE PRINT SET (TC)		M						
	E-UA-LASXX-AE-0		BSR ASSY, MODIFIED		M						
	E-UA-LASXX-AF-0		BSR ASSY, SK, MODIFIED		M						
2	B-DD-5412563-C		LASXX-AE, F MODIFIED BSR		E						
3	D-IA-7013270-0-0		BRACKET ASSY		E/M						
	E-IA-7415368-0-0		BRACKET MODULE		M						
4	C-IA-7012589-0-0		TRANSFORMER ASSY		E						

TYPE: E ELECTRICAL  
M MECHANICAL  
E/M ELECTRO/MECHANICAL

digital

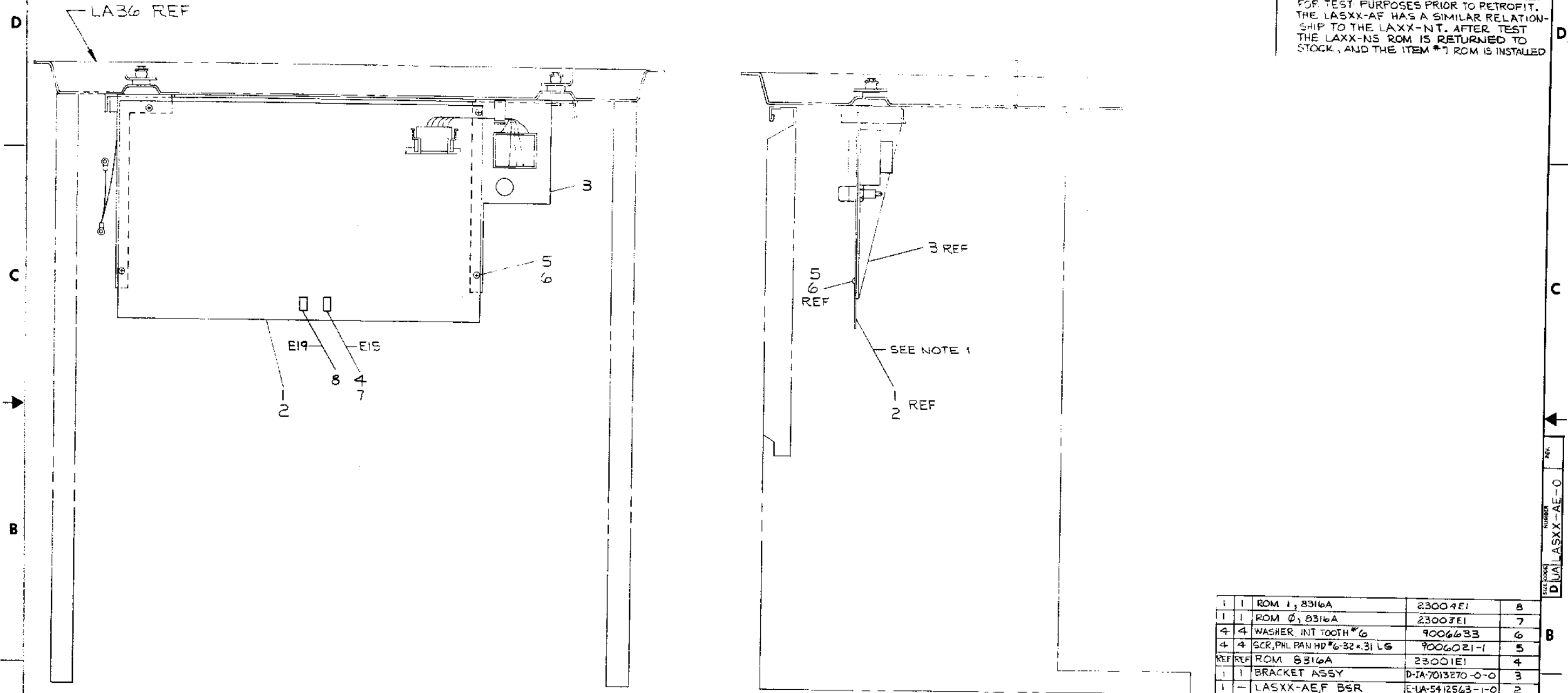
TITLE	SIZE	CODE	NUMBER	REV
MODIFIED BSR ASSY	B	DD	LPSXX-AE	

SHEET 3 OF 5

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LEGEND	
NUMBER	VARIATION
LASXX-AE	4K
LASXX-AF	8K

NOTES:  
 1. THE LASXX-AE IS A LAXX-NS RETROFITTED WITH AN I/O PORT AND CUSTOM FIRMWARE. THE STANDARD LAXX-NS ROM IS ORDERED FOR TEST PURPOSES PRIOR TO RETROFIT. THE LASXX-AF HAS A SIMILAR RELATIONSHIP TO THE LAXX-NT. AFTER TEST THE LAXX-NS ROM IS RETURNED TO STOCK, AND THE ITEM #7 ROM IS INSTALLED



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	ROM 1, 8316A	23004E1	8
1	ROM 0, 8316A	23003E1	7
4	WASHER, INT TOOTH #6	9006633	6
4	SCR, PHL PAN HD #6-32 x .31 LG	9006021-1	5
REF	ROM 8316A	23001E1	4
1	BRACKET ASSY	D-IA-7013270-0-0	3
1	LASXX-AE,F BSR	E-UA-5412563-1-0	2
1	LASXX-AE,F BSR	E-UA-5412563-0-0	1

CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
	OVER 0 TO 0.2	OVER 0.2 TO 0.4	OVER 0.4 TO 0.8	OVER 0.8 TO 1.2	OVER 1.2 TO 2.0	OVER 2.0 TO 40.0
MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
PREFERRED	±.002	±.004	±.006	±.008	±.012	±.02

THIRD ANGLE PROJECTION	DRN. [Signature]	FIRST USED ON	TA36
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D [Signature]	TITLE	MODIFIED BSR ASSY
DO NOT SCALE DWG	PROJ. ENG. [Signature]	SIZE	D
MATERIAL SPEC. POINT	PROD. [Signature]	CODE	UA
FINISH	NEXT HIGHER ASSY.	NUMBER	LASXX-AE-0
	SCALE	REV.	
	SHEET OF		

REV.	REVISIONS

DUAL LASXX-AE-0  
 REV.



MS30304 6412102 50121010

E61 BIT0 E66 BIT1 E51 BIT2 E48 BIT3 E41 BIT4 E36 BIT5 E30 BIT6 E24 BIT7 E18 18 E14 14 E10 10 E7 7 E3 3 E1 1

16K

12K

8K

4K

J3 XFORMER

GND 000 011 110 000 000 011 110 000 000

EIA PORT J2

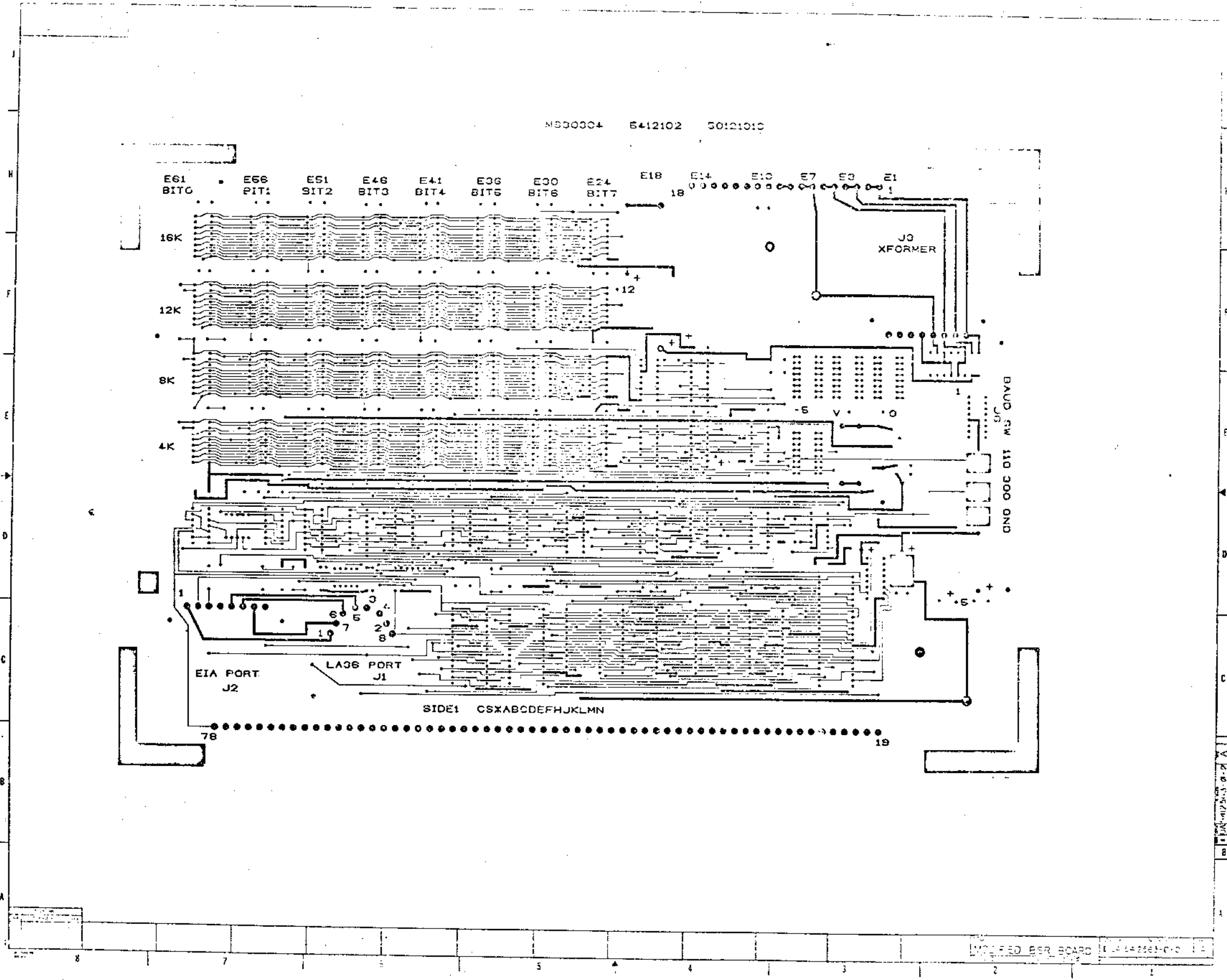
LAG6 PORT J1

SIDE1 CSXABCDEFGHIJKLMN

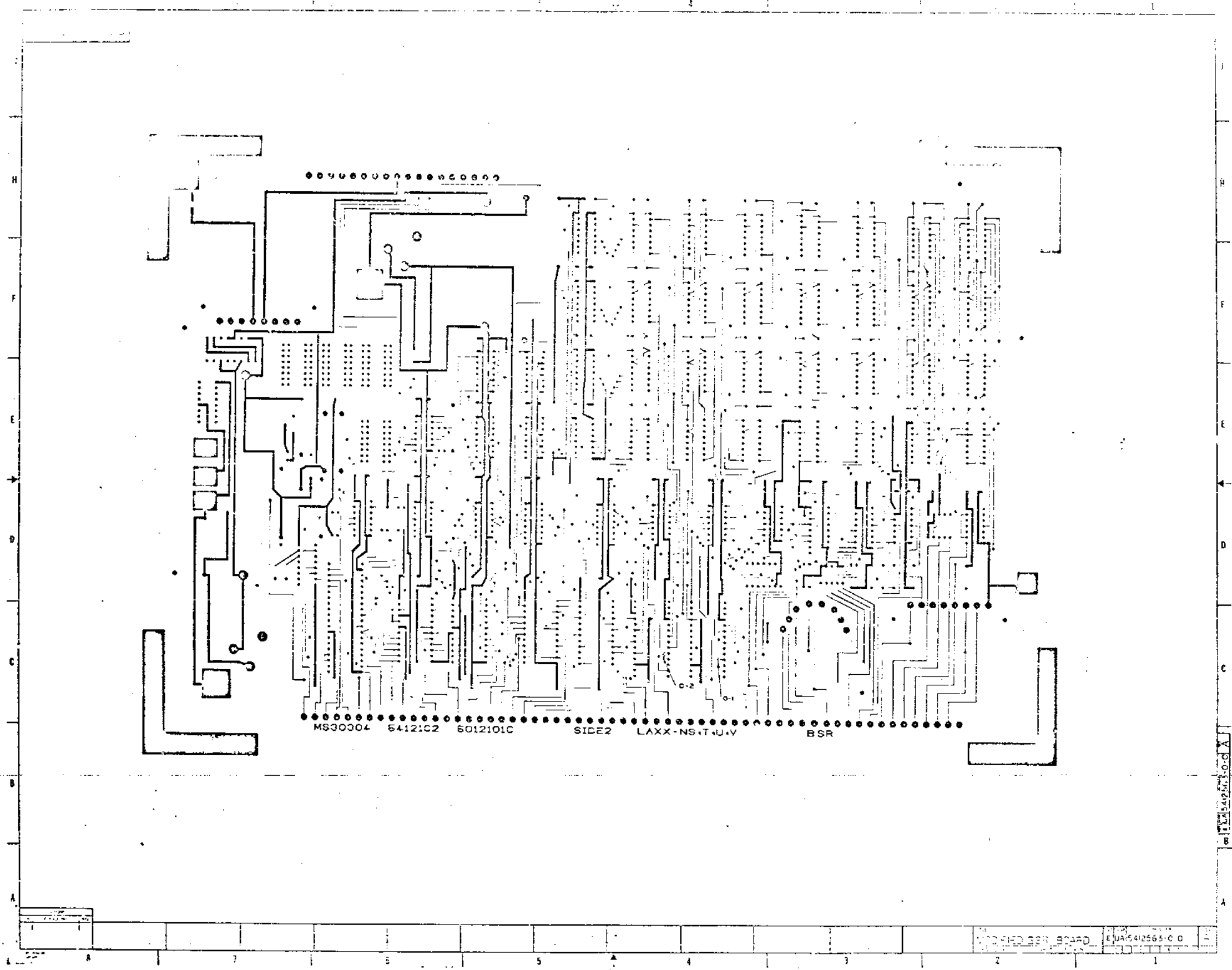
78

19

MODIFIED ESR BOARD 11442581-010 11

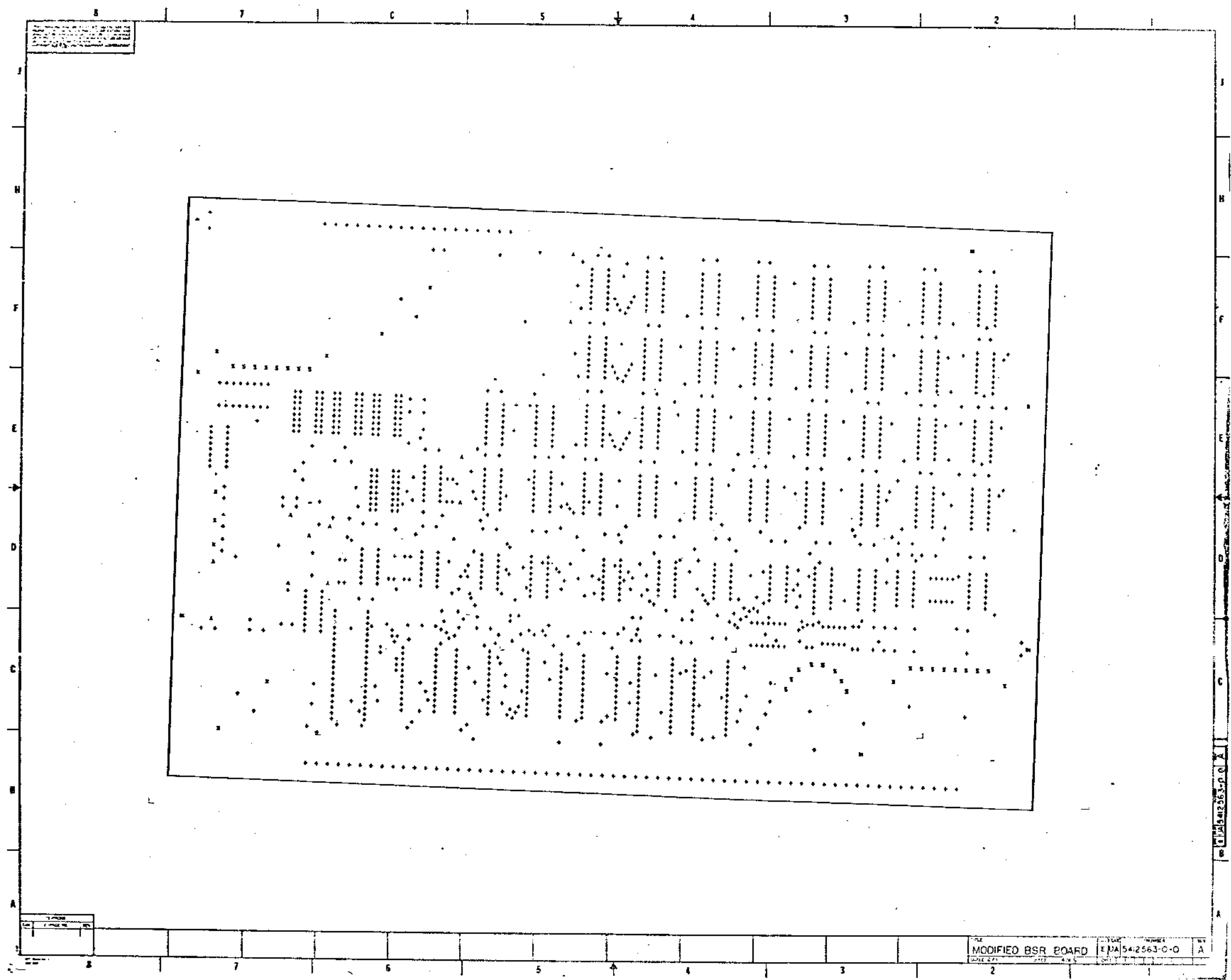






REVISION BOARD EJA 5412563-C 0

6412563-C 0



1. BOARD DIMENSIONS  
 2. BOARD NUMBER  
 3. BOARD TITLE  
 4. BOARD DATE  
 5. BOARD AUTHOR  
 6. BOARD REVISION  
 7. BOARD COMMENTS  
 8. BOARD STATUS

1. BOARD DIMENSIONS  
 2. BOARD NUMBER  
 3. BOARD TITLE  
 4. BOARD DATE  
 5. BOARD AUTHOR  
 6. BOARD REVISION  
 7. BOARD COMMENTS  
 8. BOARD STATUS

FILE	MODIFIED BSR BOARD	YEAR	54	NUMBER	0	REV	A
DATE	4/72	BY	...	...	...	...	...

1. BOARD DIMENSIONS  
 2. BOARD NUMBER  
 3. BOARD TITLE  
 4. BOARD DATE  
 5. BOARD AUTHOR  
 6. BOARD REVISION  
 7. BOARD COMMENTS  
 8. BOARD STATUS

THIS DRAWING IS UNCLASSIFIED SINCE THE INFORMATION IS OF A GENERAL NATURE AND IS NOT OF A TYPE THAT WOULD BE OF USE TO AN ADVERSARY OF THE UNITED STATES GOVERNMENT.

REWORK INSTRUCTIONS

FIRST RELEASE

ETCH CUTS, SIDE 2 (AS SHOWN)

O-1, AT E3(11)

O-2, AT E25(1)

WIRE ADDS, SIDE 1 (AS SHOWN) (P/N 9105740-55)

O-3, FROM E3(1) TO E5(6)

O-4, FROM E3(2) TO E13(4)

O-5, FROM E3(3) TO E13(3)

O-6, FROM E3(4) TO E4(18)

O-7, FROM E3(5) TO E37(6)

O-8, FROM E3(6) TO E2(2)

O-9, FROM E3(7) TO E4(1)

O-10, FROM E3(8) TO E4(40)

O-11, FROM E3(9) TO E13(5)

O-12, FROM E3(10) TO E13(4)

O-13, FROM E3(1) TO E13(13)

O-14, FROM E3(12) TO E25(1)

O-15, FROM E3(13) TO E3(11)

O-16, FROM E3(16) TO E3(22)

O-17, FROM E7(1) TO E3(23)

O-18, FROM E7(2) TO E14(1)

O-19, FROM E7(3) TO E17(1)

O-20, FROM E7(4) TO E3(25)

O-21, FROM E7(8) TO E10(7)

O-22, FROM E7(8) TO E7(15)

O-23, FROM E7(16) TO E13(16)

REV	DESCRIPTION	DATE

TITLE		REV
MODIFIED BSR BOARD		A
DATE	BY	CHK

1 of 1 PARTS-0-0-0

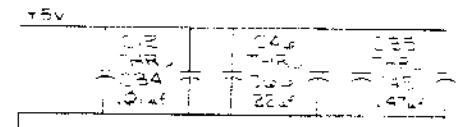
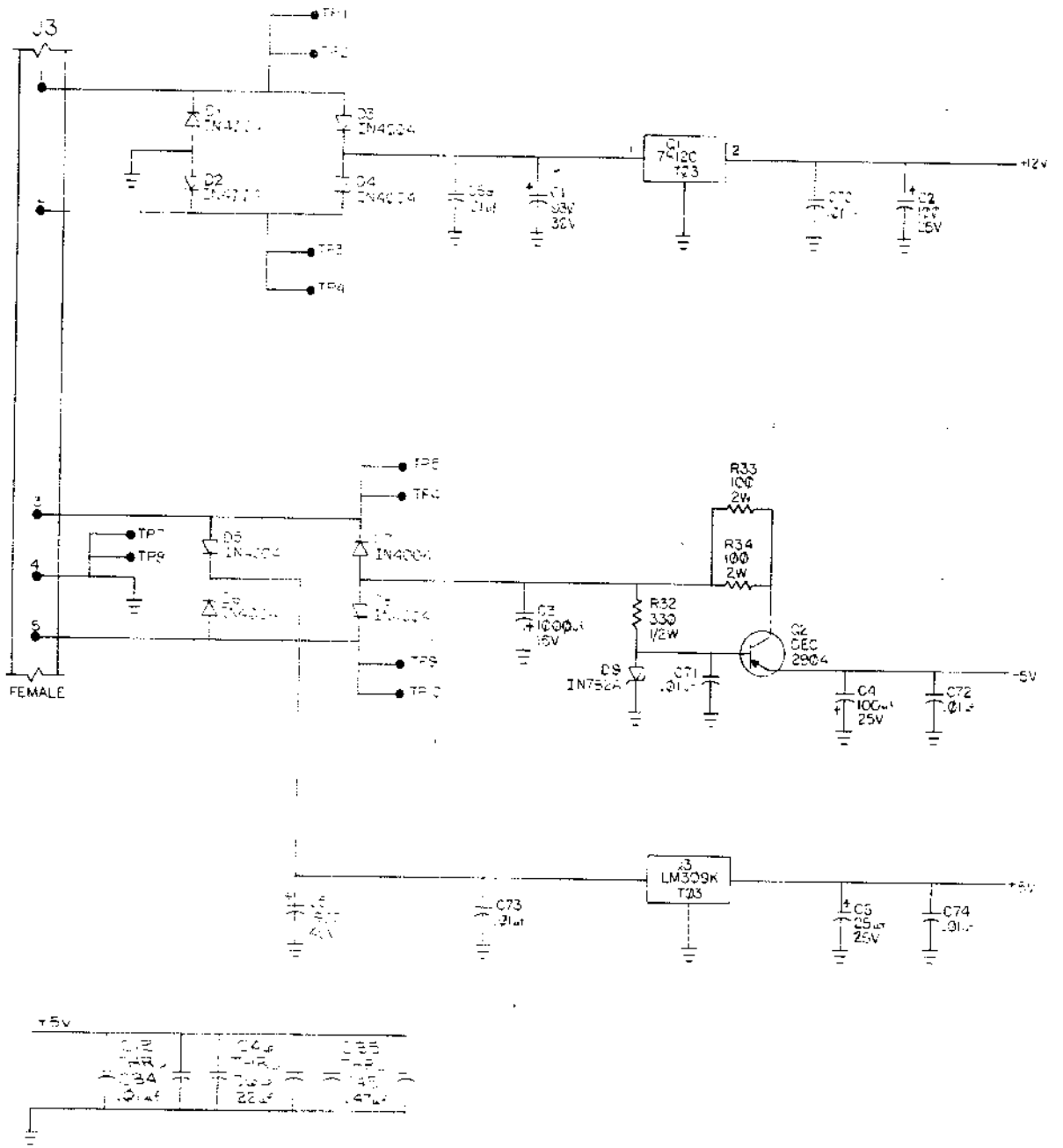
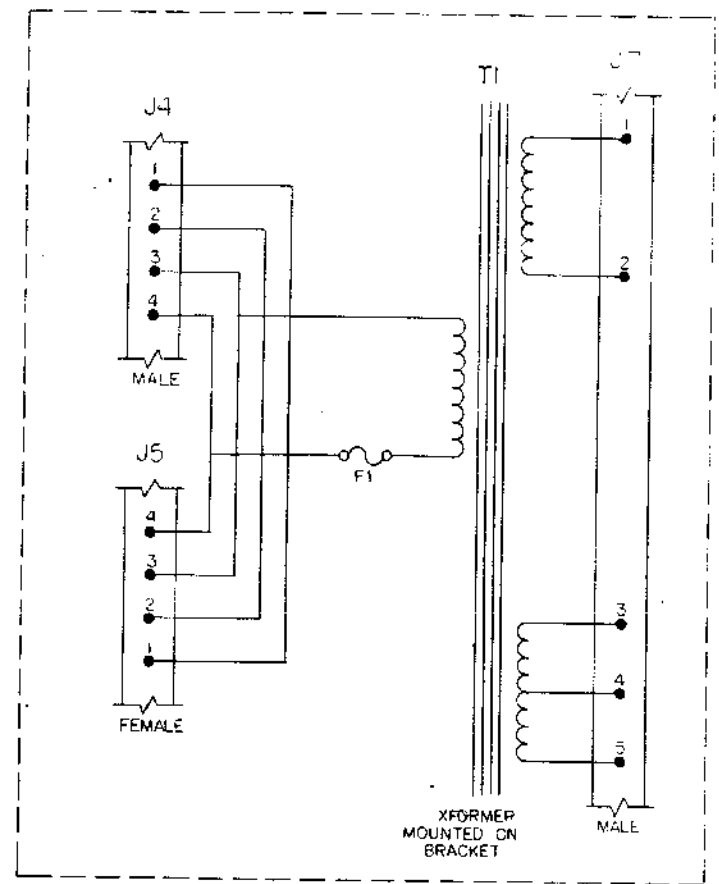
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1-0-000710 300 323 2 1

NOTES:

UNIT: MILLIVOLTS

PIN NUMBER	TYPE	FUNCTION	MARKING
1, 2	DIP	+	VCC
3, 4	DIP	-	VCC
5, 6, 7, 8, 9, 10, 11, 12	DIP	IN	



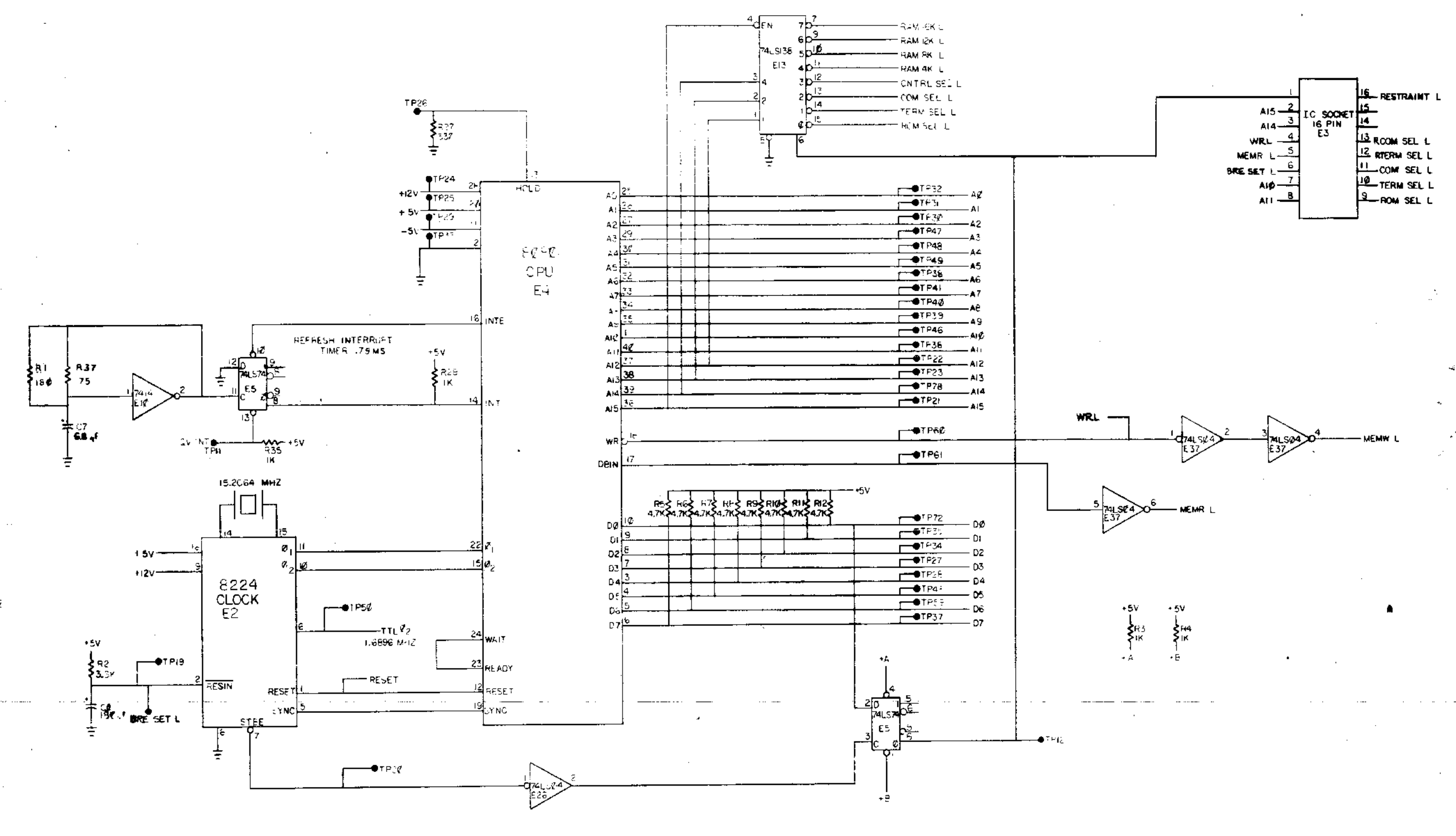
REVISIONS

REV	CHANGE NO.	DATE	BY
A	00001	12-17-77	J. J. S. B.

DRN NO.	1-0-000710	DATE USED ON	
CHKD		FILE	
ENG.		digital	
PROJ ENG			
NEXT HIGHER ASSY.			
REV	A	REV	
MODIFIED BSR BOARD			
DATE		REV	
DATE		REV	

PART NUMBER 5412563-0-1

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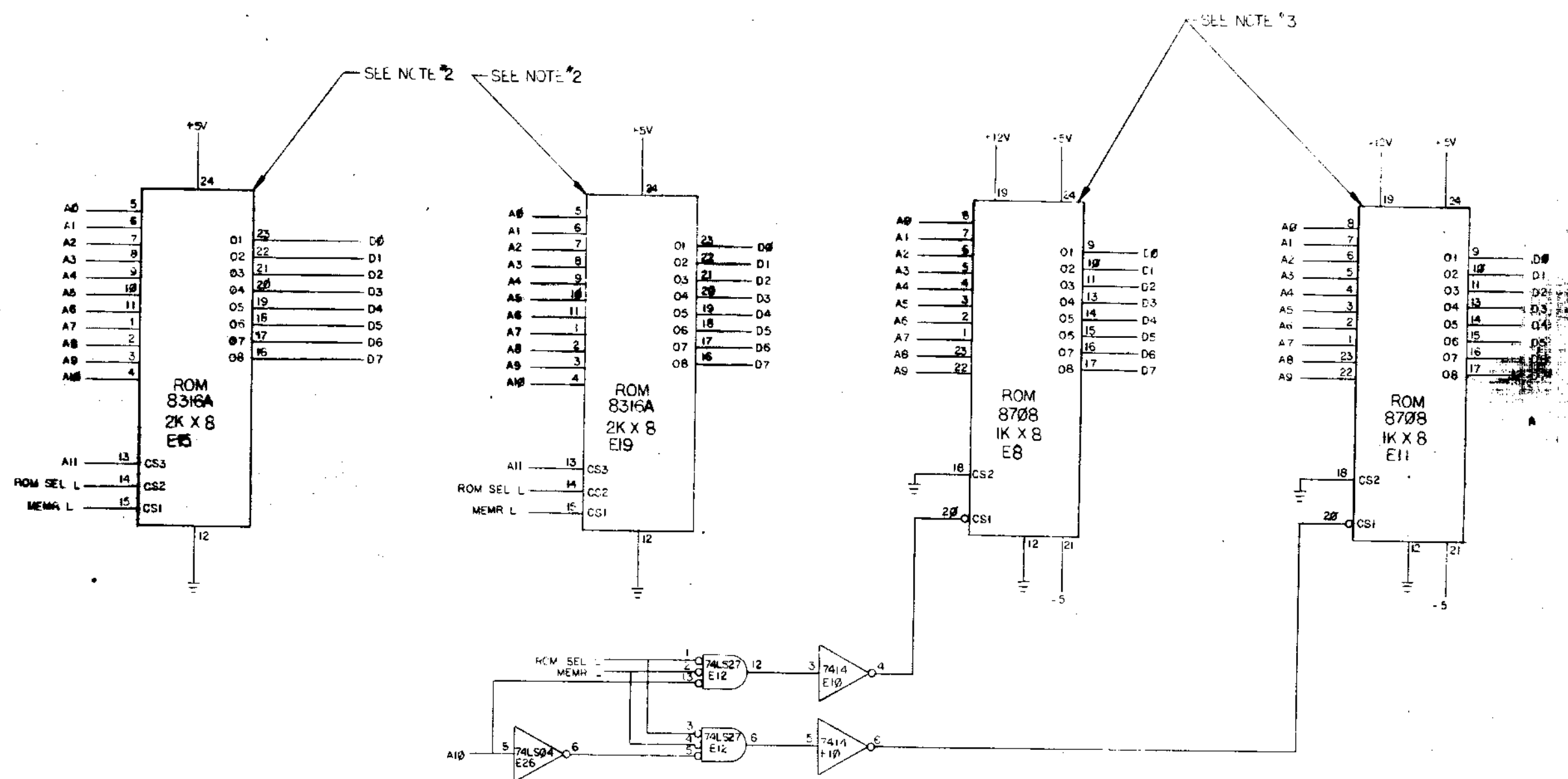
REVISIONS		
CHK	CHANGE NO.	REV.

D CS 5412563-0-1 A

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1. REFER TO...
2. INSERTED AT A HIGHER ADDRESS SEE D-UA-LASXX-AE-0.
3. NOT INSERTED

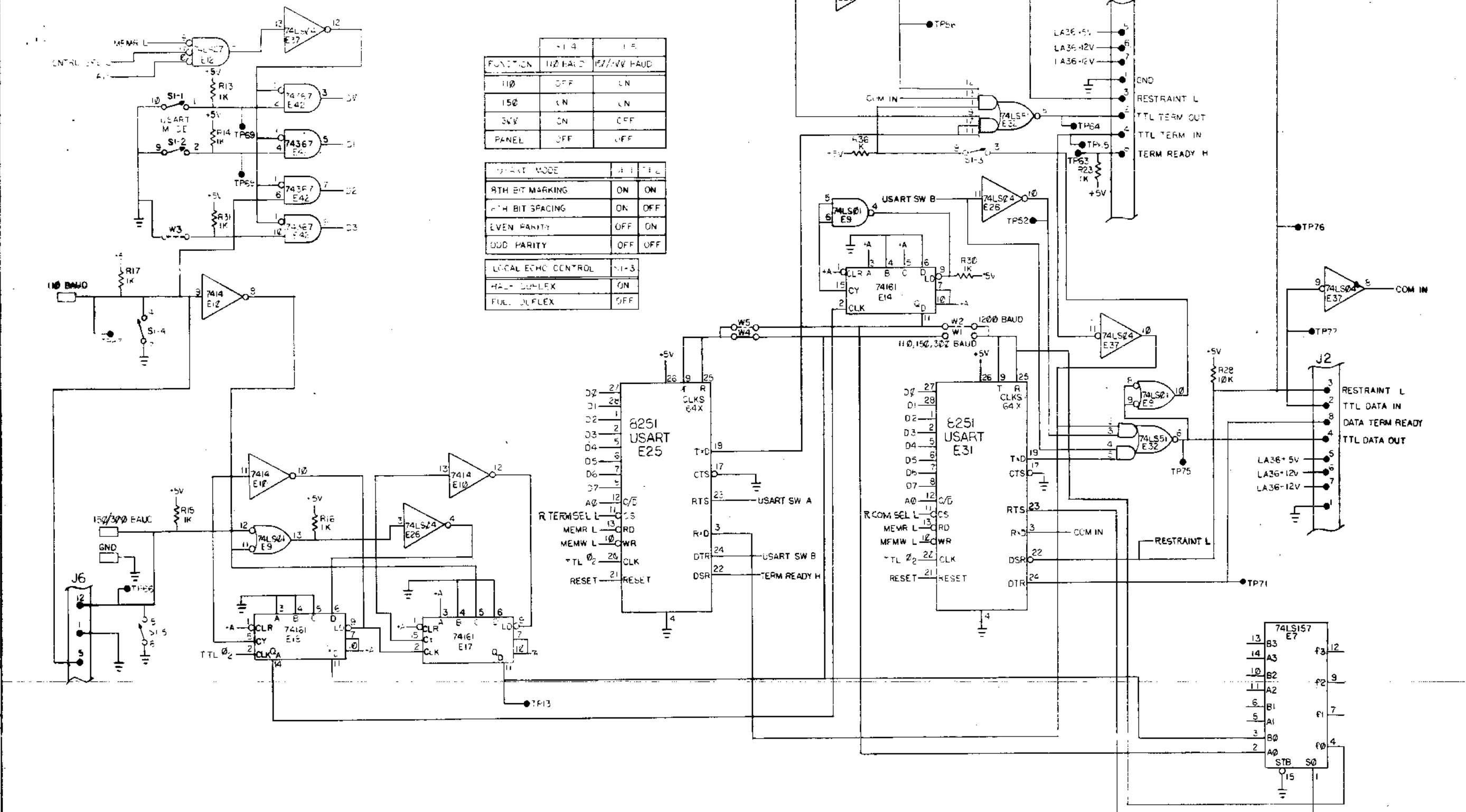
DIGITAL EQUIPMENT CORPORATION  
 5412563-0-1  
 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE: MODIFIED BSR BOARD  
 SIZE CODE: DCS 5412563-0-1  
 NUMBER: 3 OF 9  
 REV: A

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FUNCTION	1-4	1-5
110	OFF	ON
150	ON	ON
300	ON	OFF
PANEL	OFF	OFF

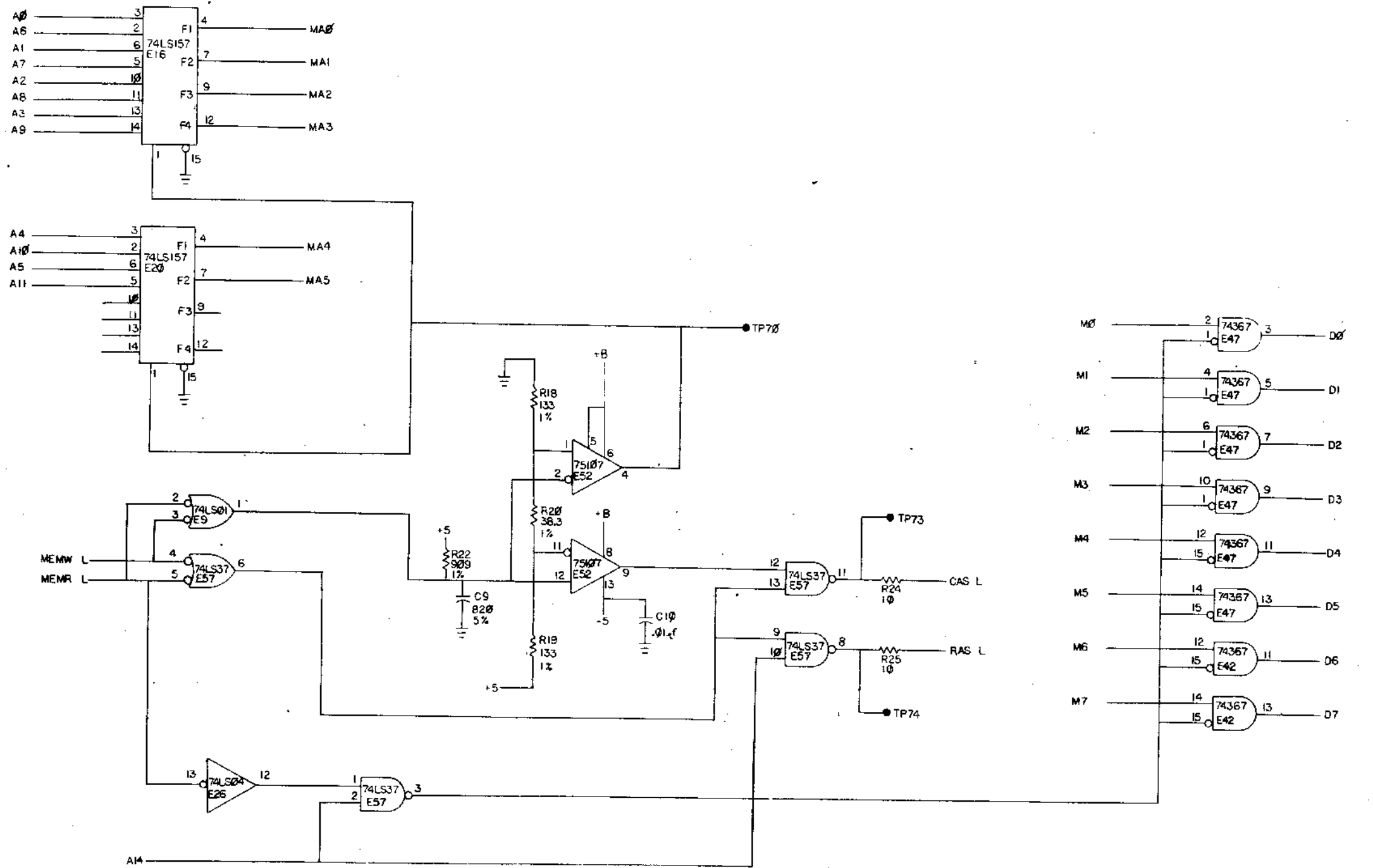
PARITY MODE	1-1	1-2
8TH BIT MARKING	ON	ON
8TH BIT SPACING	ON	OFF
EVEN PARITY	OFF	ON
ODD PARITY	OFF	OFF

LOCAL ECHO CONTROL	1-3
HALF-DUPLEX	ON
FULL-DUPLEX	OFF

REVISIONS		
CHK	CHANGE NO.	REV.

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DCS 5412563-0-1 2

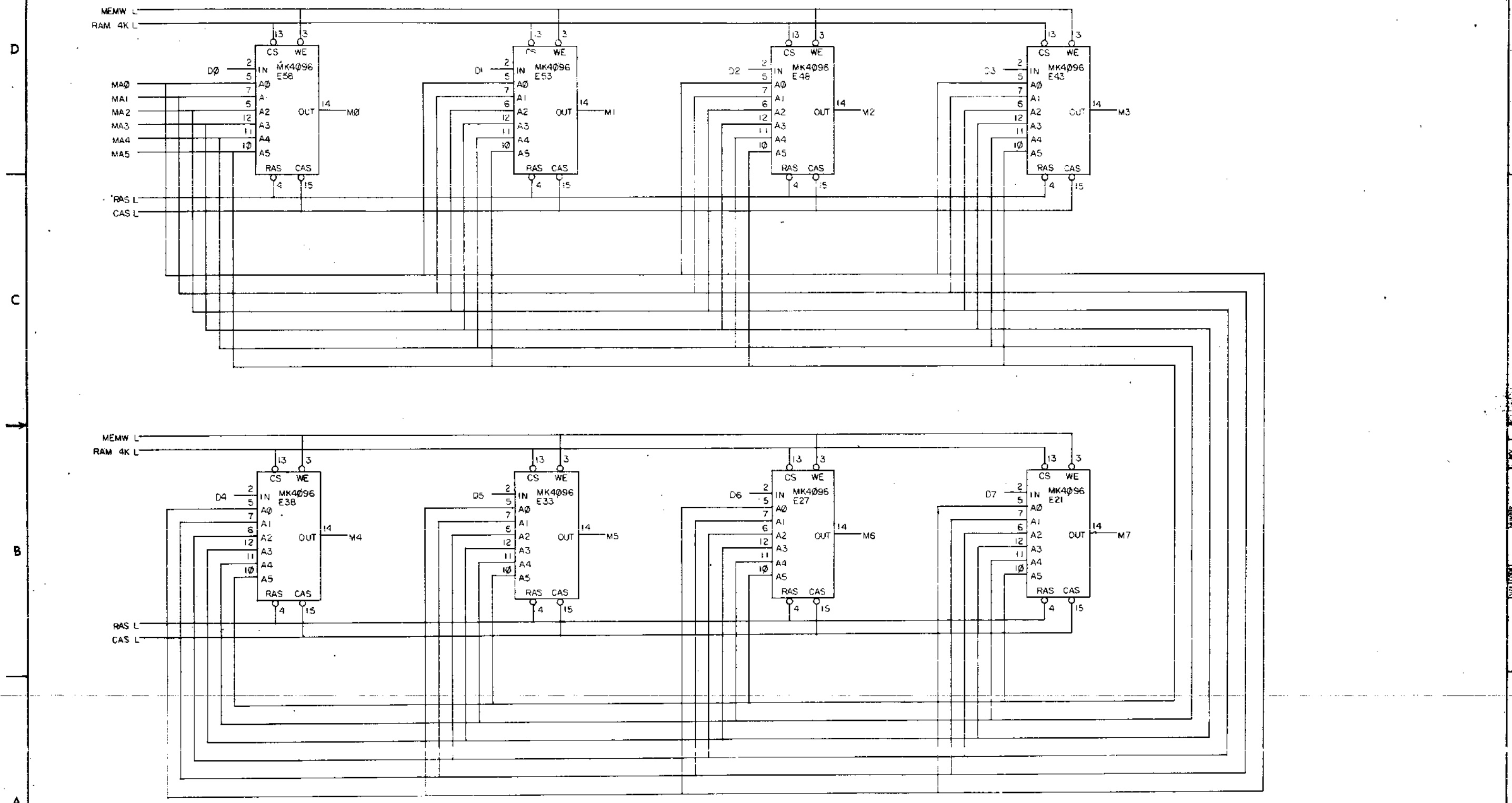


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE: MODIFIED BSR BOARD  
 SIZE CODE: DCS  
 NUMBER: 5412563-0-1  
 REV: A  
 SCALE: 1:1  
 SHEET 5 OF 9  
 DIST.:



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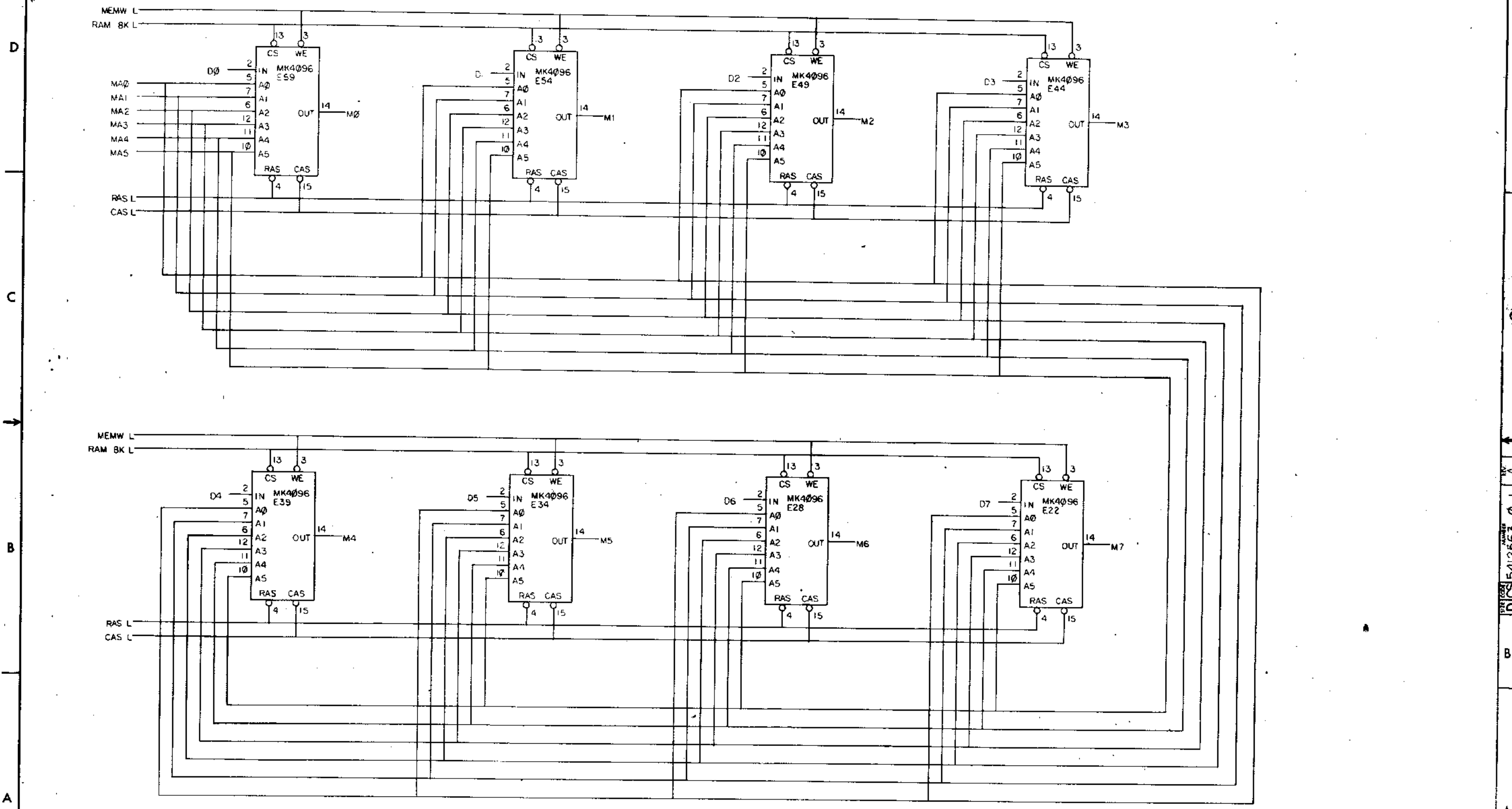
4K MEMORY

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
MODIFIED BSR BOARD	DCS 5412563-0-1	A	
SCALE	SHEET 6 OF 9	DIST.	

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1-0-1992109 DCS 5412563-0-1 2



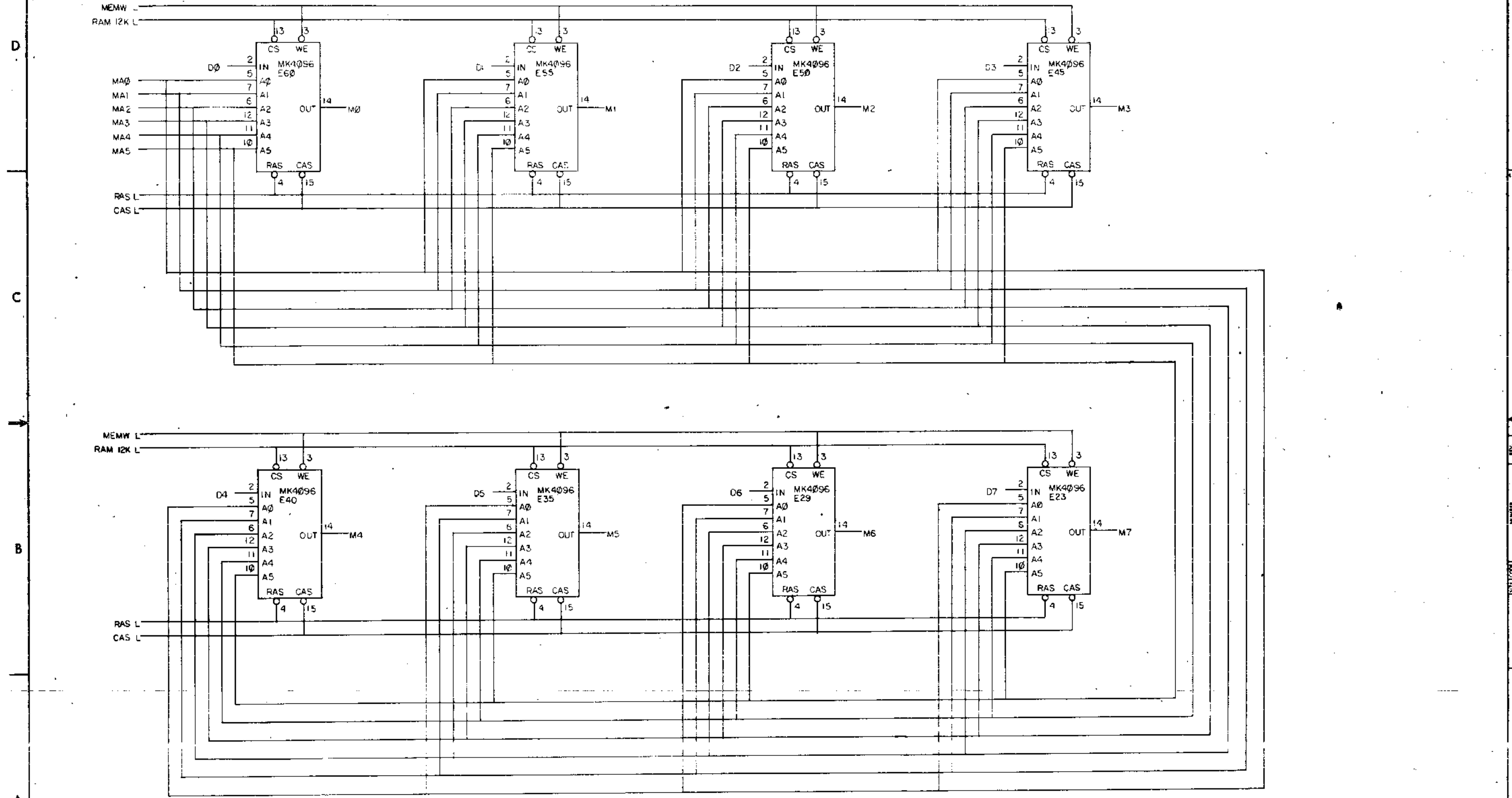
8K MEMORY

REVISIONS		
CHK	CHANGE NO	REV.

TITLE: MODIFIED BSR BOARD  
 SIZE CODE: DCS  
 NUMBER: 5412563-0-1  
 REV: A

DCS 5412563-0-1 A

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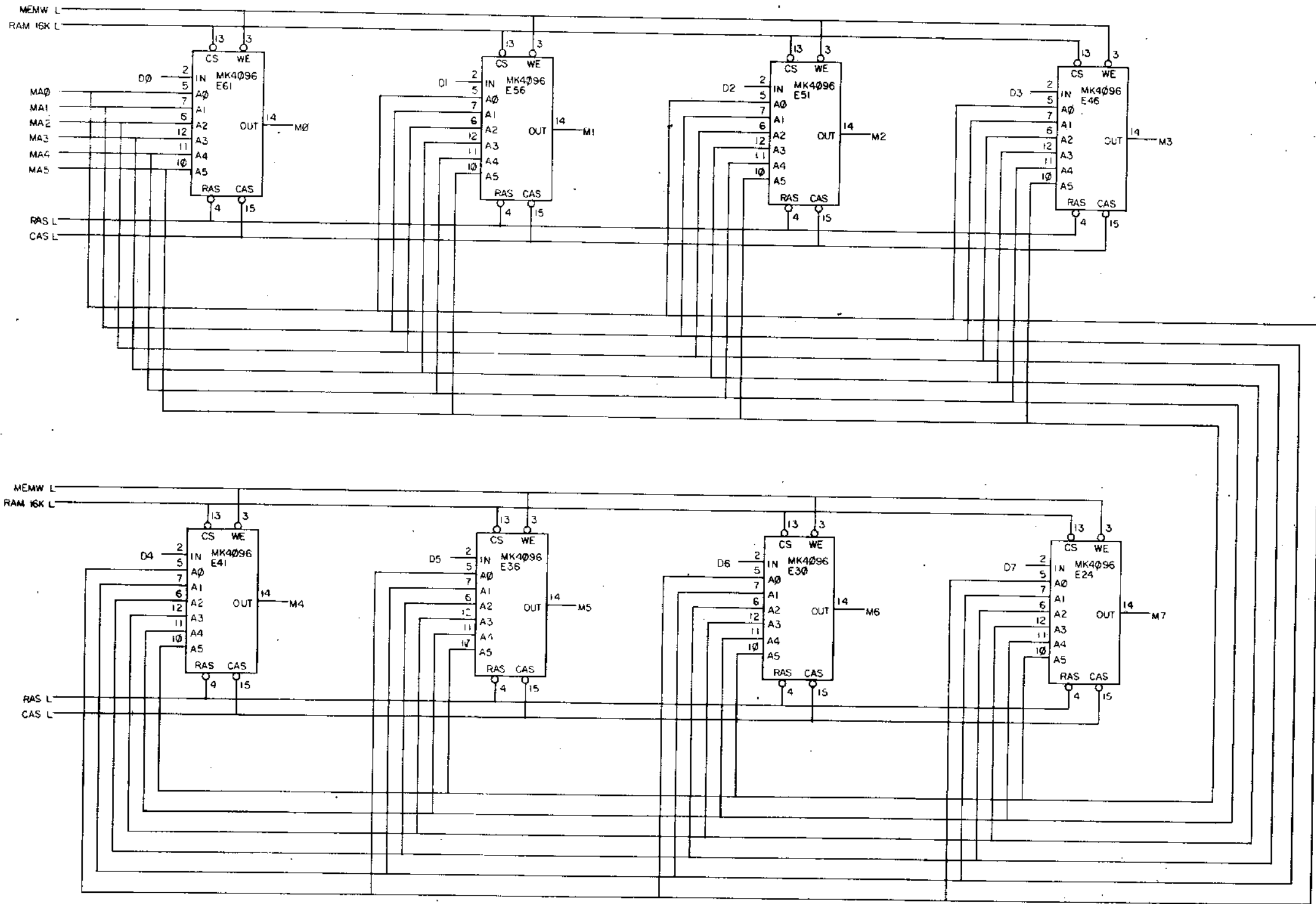
12K MEMORY

REVISIONS		
CRK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
MODIFIED BSR BOARD	D CS 5412563-0-1	A	A
SCALE	SHEET 8 OF 9	DIST.	

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1-0-5412563-0-1 2



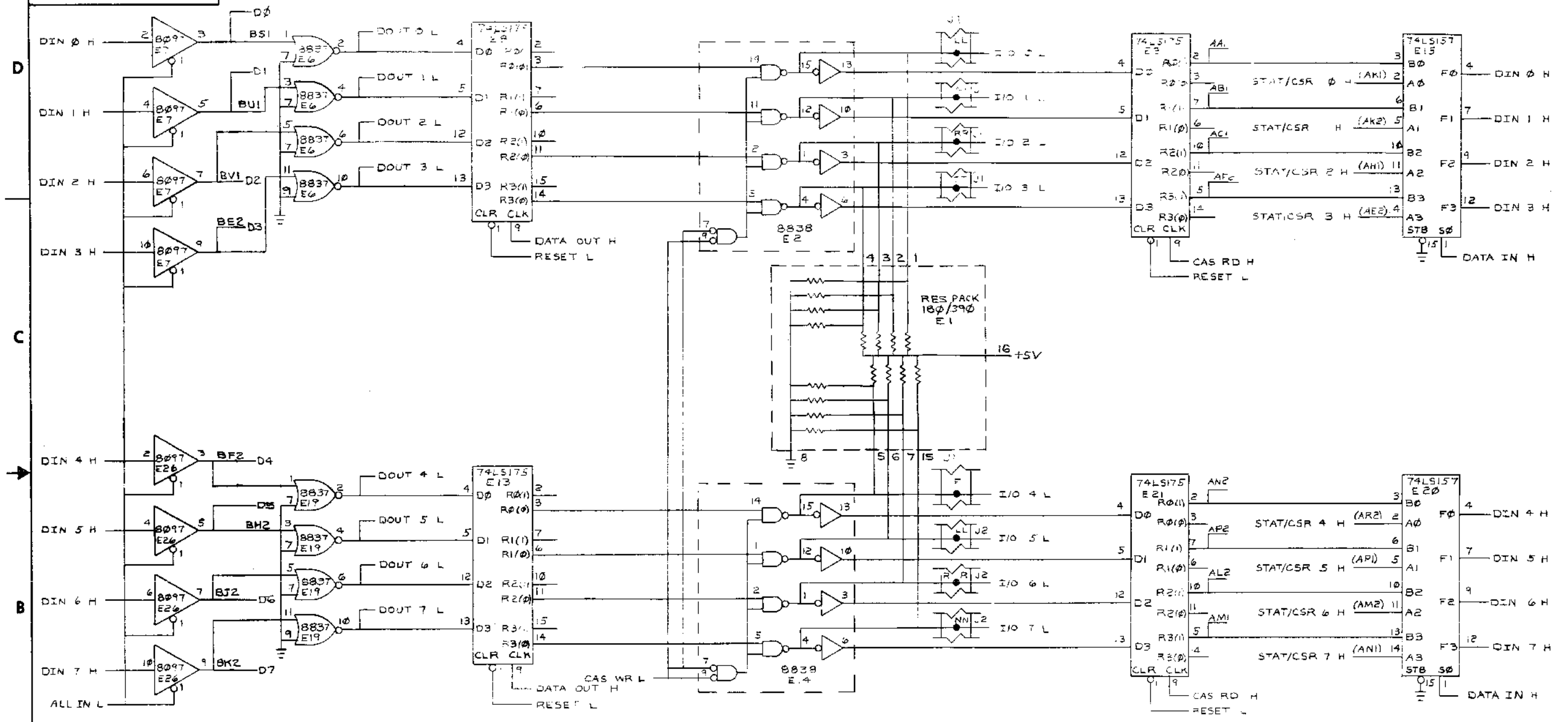
16K MEMORY

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	NUMBER	REV.
MODIFIED BSR BOARD	D CS	5412563-0-1	A
SCALE	SHEET	OF	
	9	9	

REV. A  
D CS 5412563-0-1

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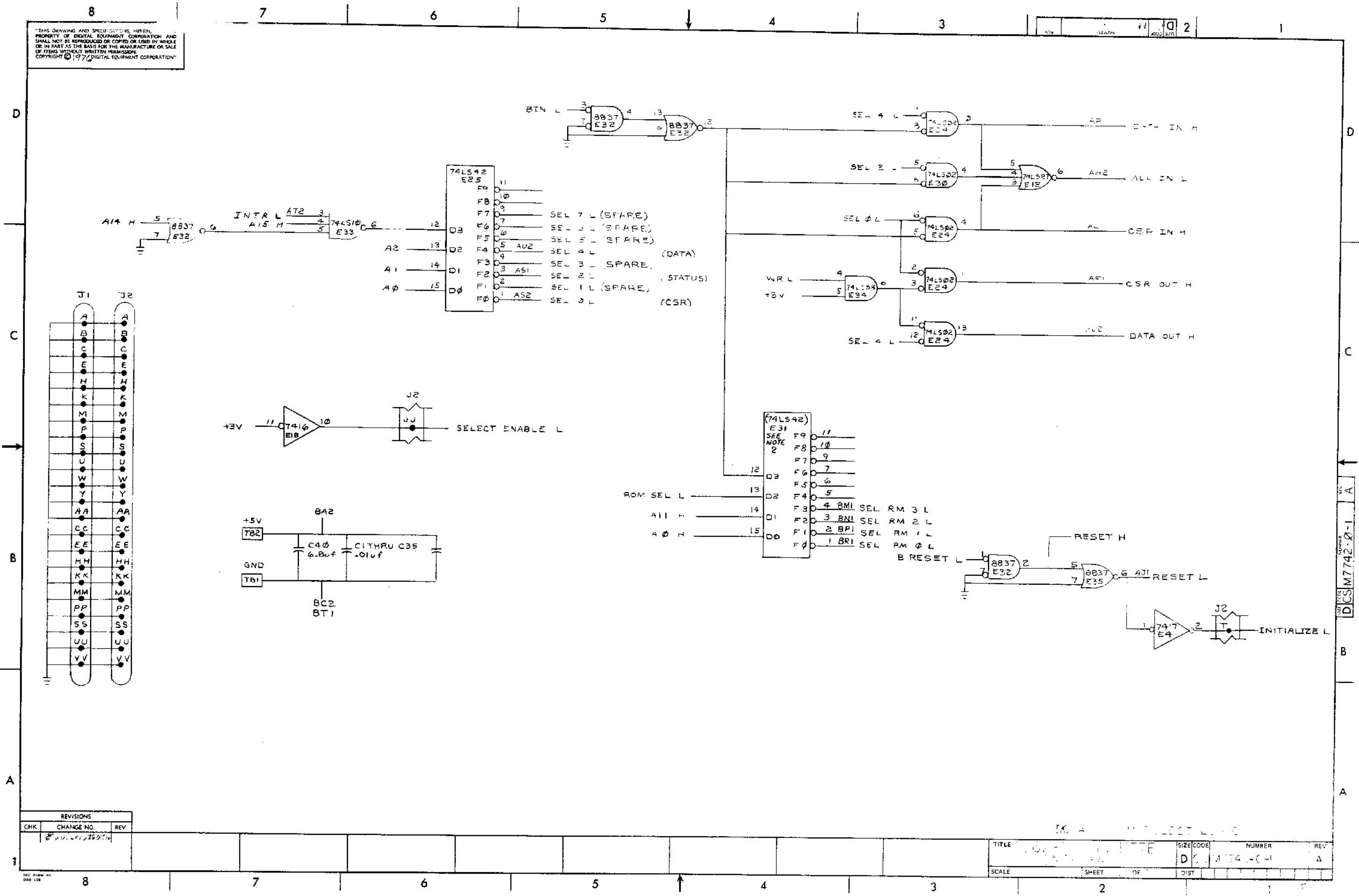


REV. 1	DATE
REV. 2	DATE
REV. 3	DATE
REV. 4	DATE
REV. 5	DATE
REV. 6	DATE
REV. 7	DATE
REV. 8	DATE
REV. 9	DATE
REV. 10	DATE

TU60-D IO DATA PATHS	
DRN: [signature]	FIRST USED ON: TA-35
CHK'D: [signature]	TITLE: TU60-D CASSETTE INTERFACE
ENG: [signature]	PROJECT: [signature]
PROD: [signature]	SCALE: DCS M7742-0-1
NEXT HIGHER ASSY:	REV. A
SIZE: [signature]	NUMBER: [signature]
SHEET: [signature]	DIST: [signature]

REV. A  
DCS M7742-0-1

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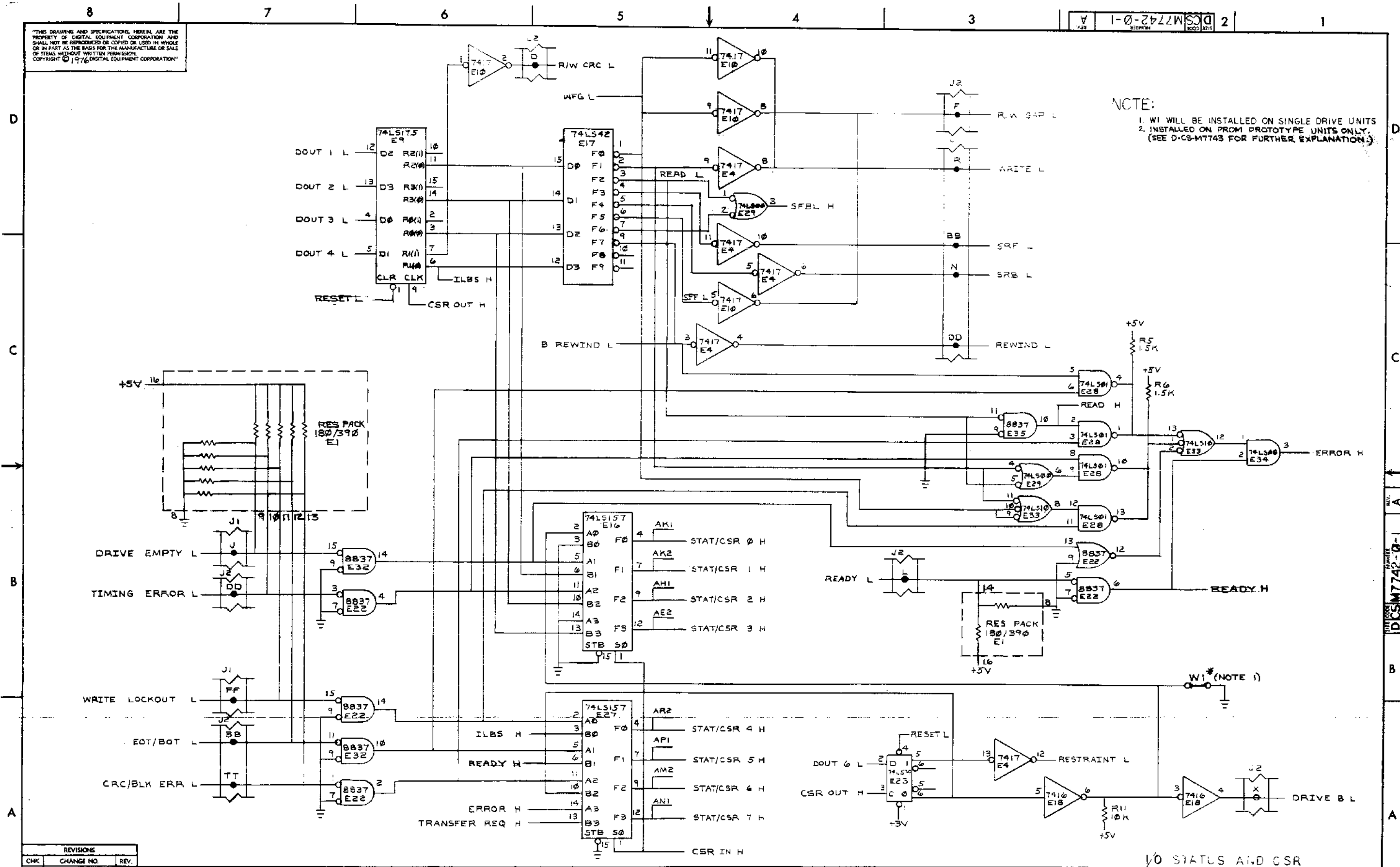


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TITLE	SIZE CODE	NUMBER	REV
SCALE	SHEET OF	DIST	

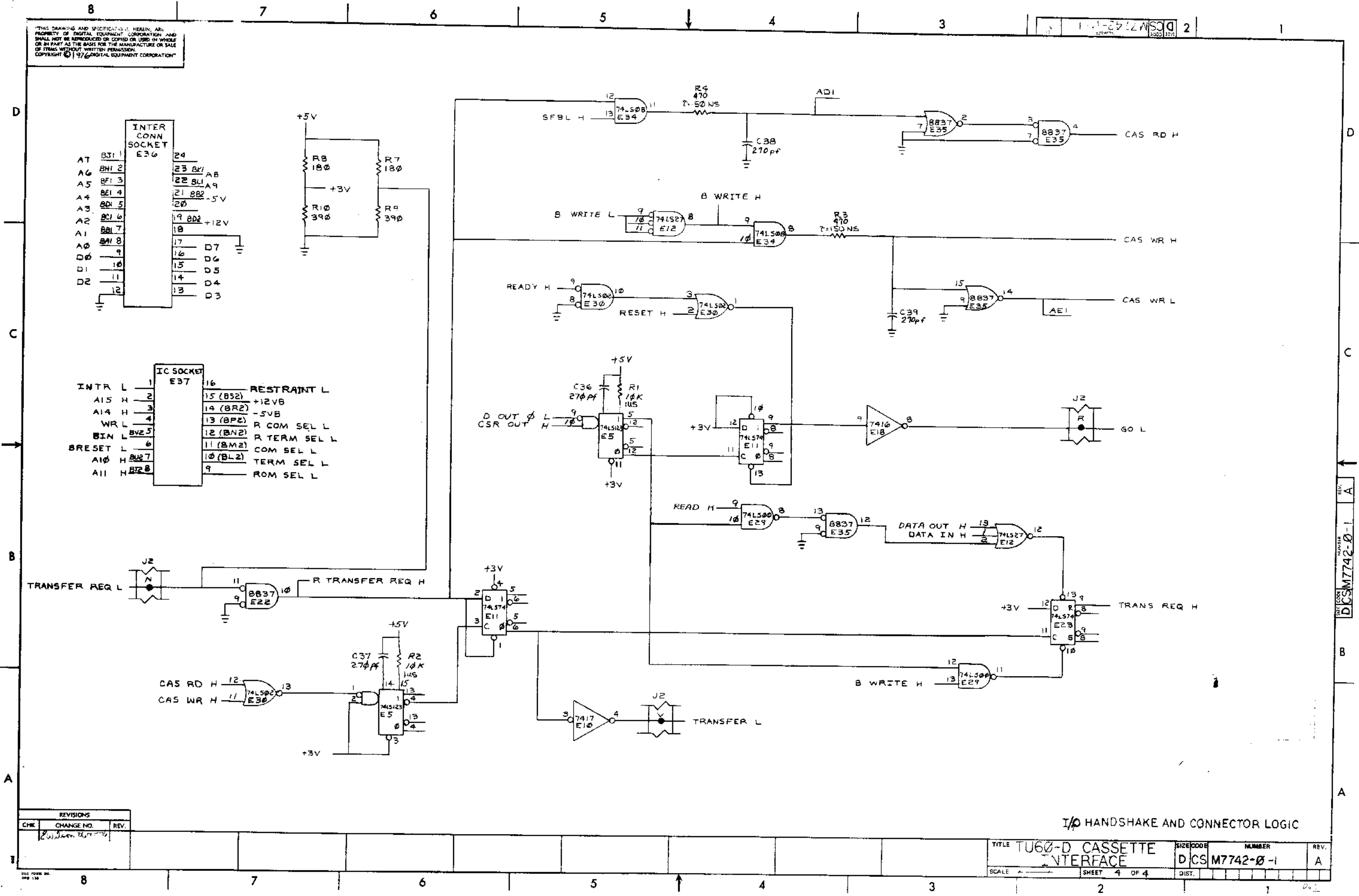
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NOTE:  
 1. W1 WILL BE INSTALLED ON SINGLE DRIVE UNITS  
 2. INSTALLED ON PROM PROTOTYPE UNITS ONLY.  
 (SEE D-CS-M7743 FOR FURTHER EXPLANATION.)



REVISIONS		
CHK	CHANGE NO.	REV.
	15 Wilson 26 Oct 76	

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REVISIONS		
CHK	CHANGE NO.	REV.

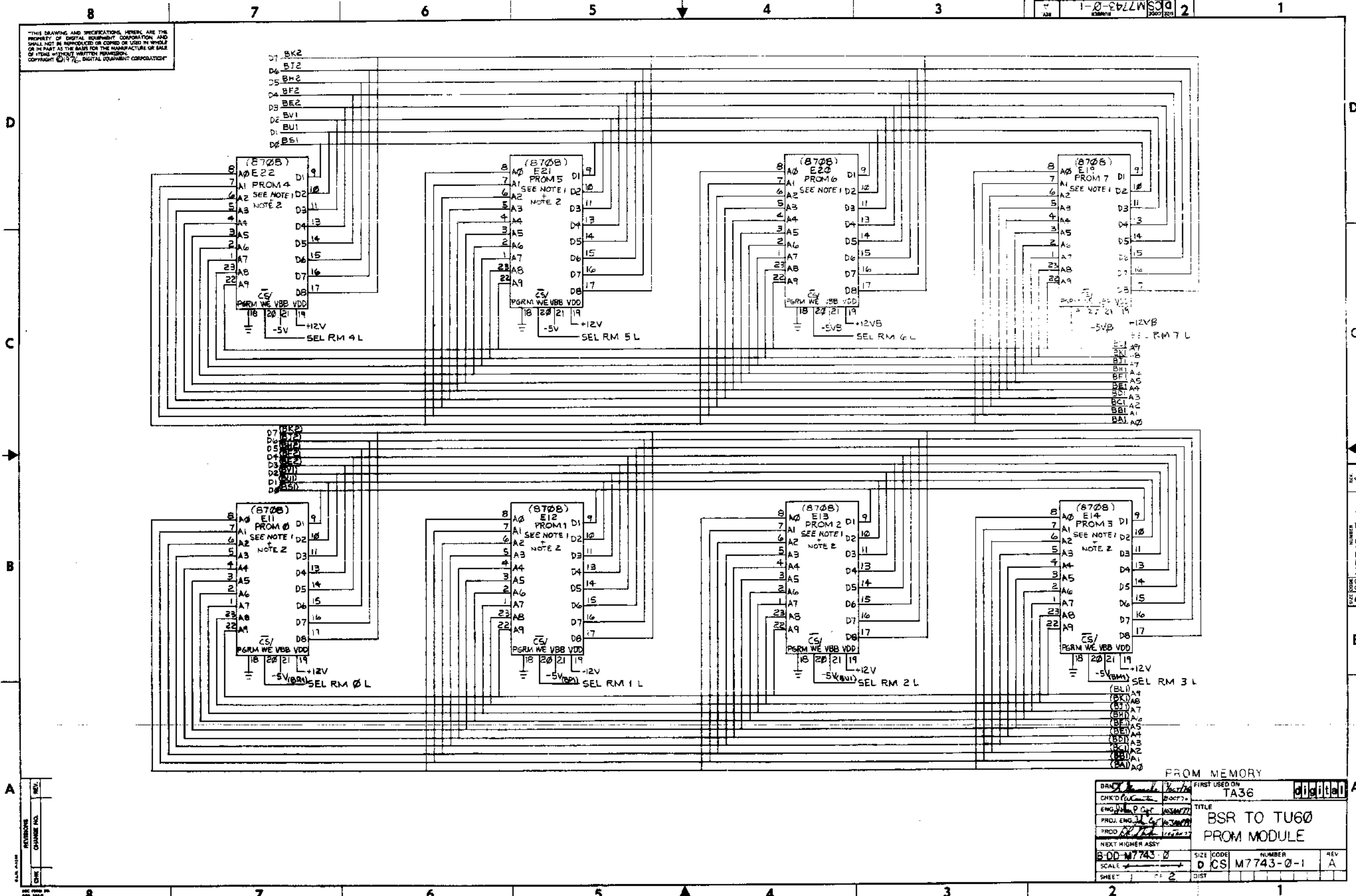
**I/O HANDSHAKE AND CONNECTOR LOGIC**

TITLE TU60-D CASSETTE INTERFACE  
 SIZE CODE DCS M7742-0-1  
 NUMBER 1  
 REV. A

SHEET 4 OF 4



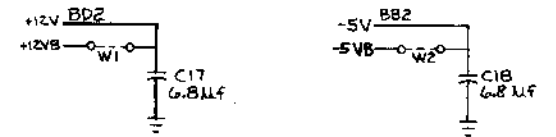
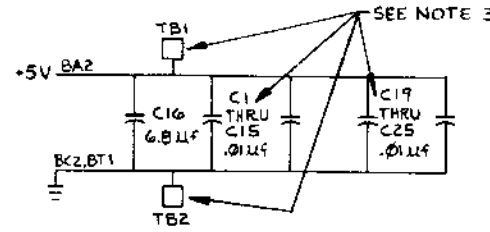
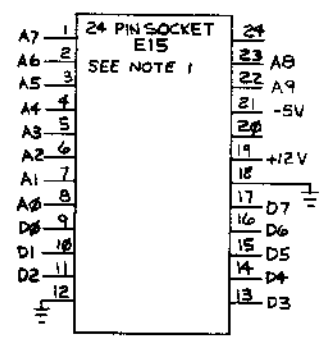
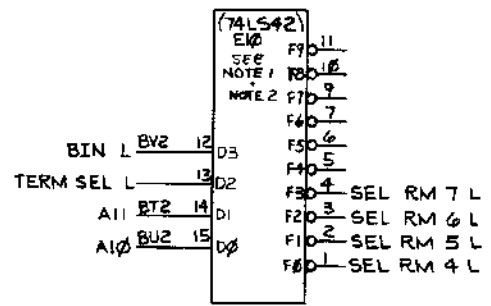
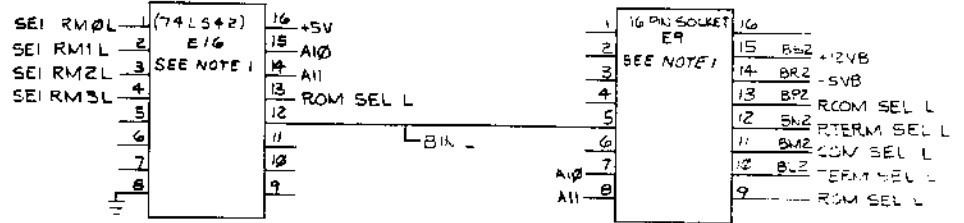
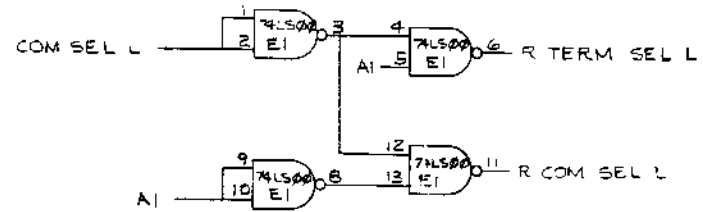
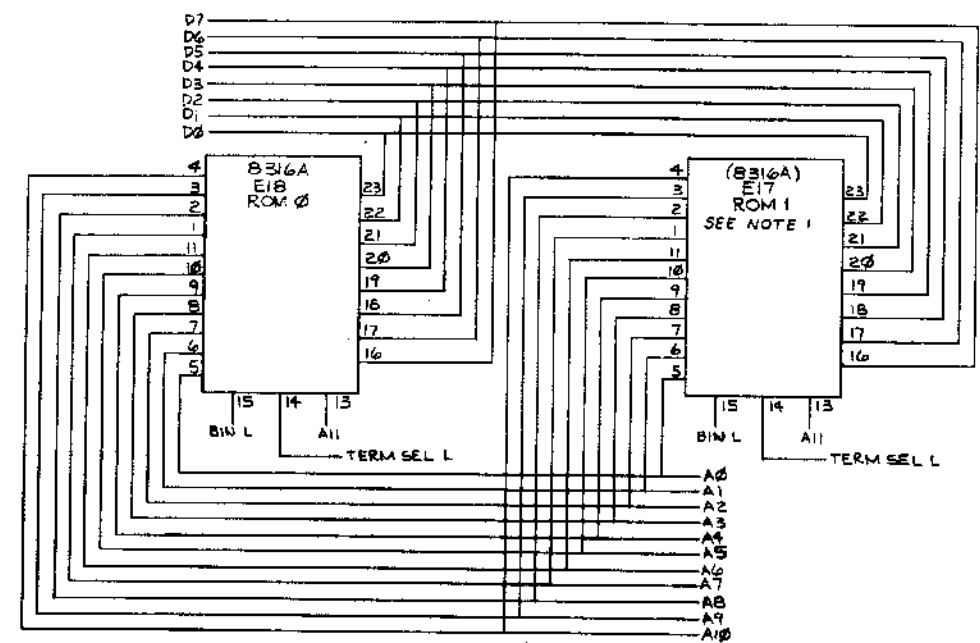
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FROM MEMORY		FIRST USED ON		digital
		TA36		
DRN	CHK'D	ENG	PROJ. ENG.	TITLE
				BSR TO TU60
				PROM MODULE
NEXT HIGHER ASSY:				REV
B-DD-M7743-0				A
SCALE	SIZE	CODE	NUMBER	REV
	0	CS	M7743-0-1	A
SHEET	2	DIST		

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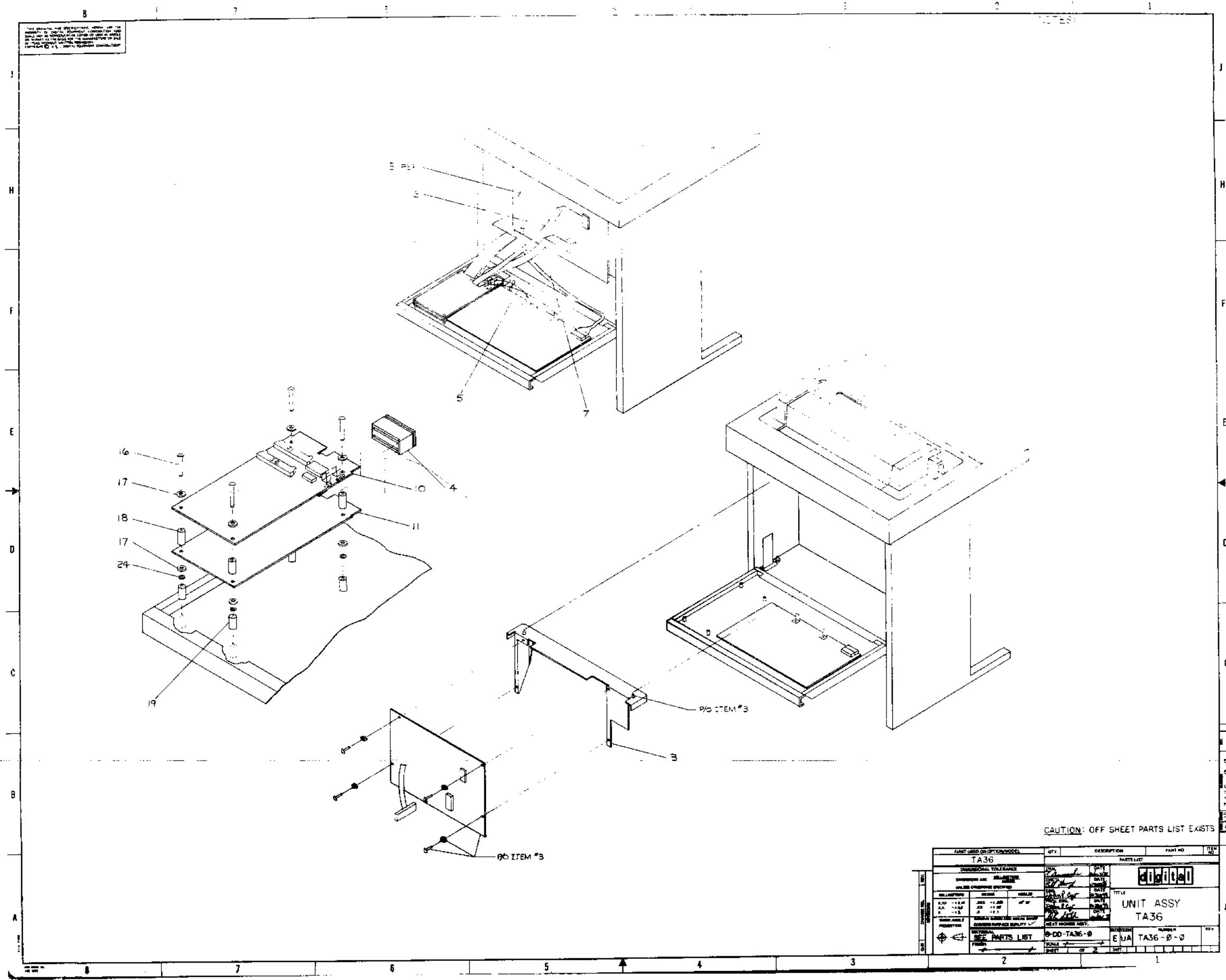
NOTES  
 1. NOT INSTALLED WITH THIS OPTION.  
 2. INSTALLED ON PROTOTYPE UNITS ONLY.  
 3. REFER TO NOTES ON M7743 PARTS LIST.



REVISIONS		
CHK	CHANGE NO.	REV.

SELECT-INTERCONNECT AND ROM LOGIC  
 TITLE BSR TO TUG0 PROM MODULE  
 SIZE CODE NUMBER DCS M7743-0-1  
 SCALE SHEET 2 OF 2

DCS M7743-0-1



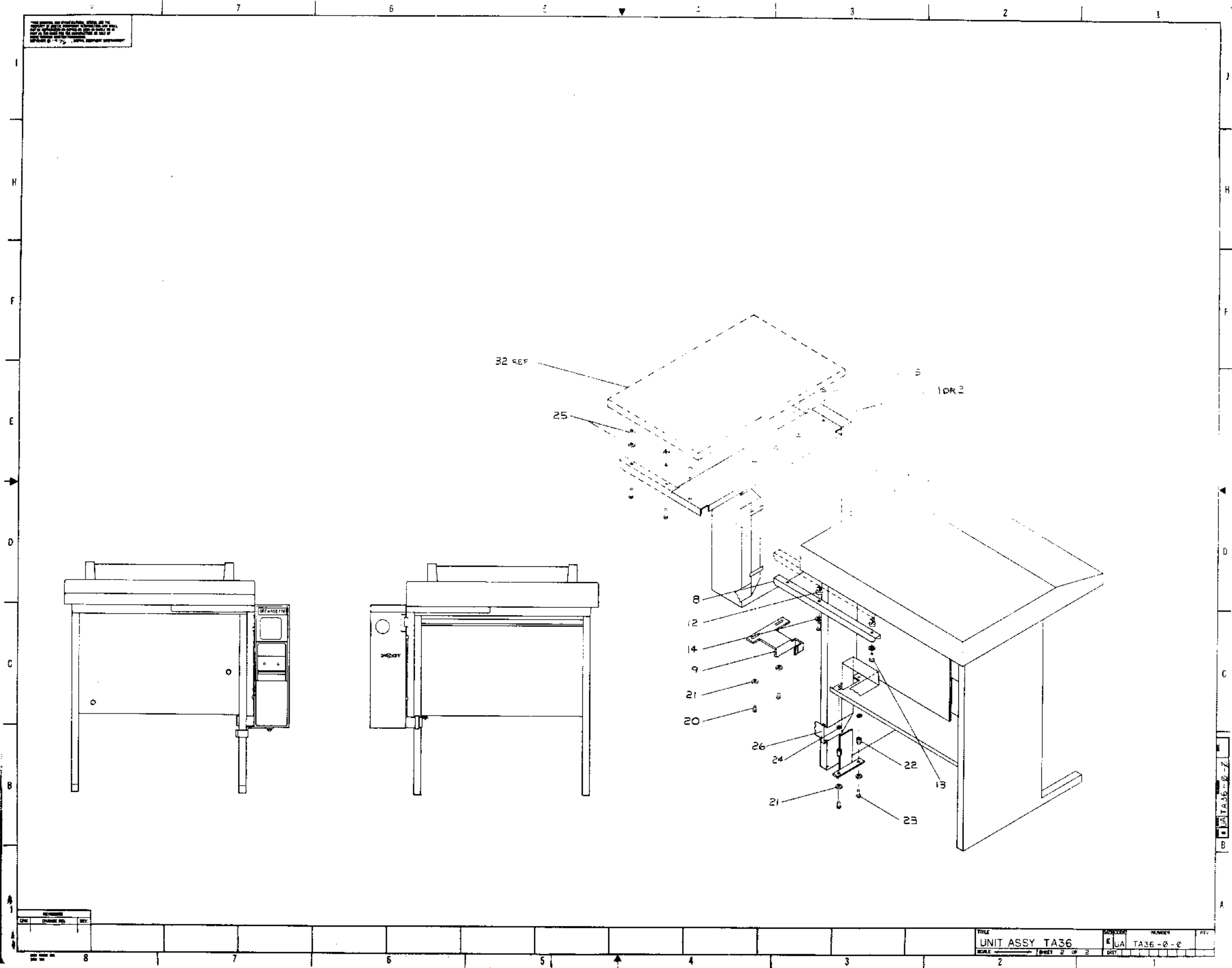
SEE PARTS LIST FOR DIMENSIONS AND TOLERANCES. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.

CAUTION: OFF SHEET PARTS LIST EXISTS

PART USED OR OPTION MODEL		QTY.	DESCRIPTION	PART NO.	REV.
TA36					
DIMENSIONAL TOLERANCE					
FRONT VIEW	TOP VIEW				
RIGHT SIDE VIEW	REAR VIEW				
ISOMETRIC VIEW					
TITLE		UNIT ASSY		TA36	
PARTS LIST		SEE PARTS LIST		EUA TA36-0-0	
REVISIONS		REV. NO.		REV. DATE	
1		1		1	

EUA TA36-0-0

REVISIONS AND MODIFICATIONS SHALL BE BY  
 AUTHORITY OF THE ENGINEER IN CHARGE OF THE  
 PROJECT AND SHALL BE IDENTIFIED BY A  
 DATE AND A DESCRIPTION OF THE CHANGE.  
 APPROVED BY: [Signature] DATE: [Date]



REV	DESCRIPTION	BY

TITLE		NUMBER		REV
UNIT ASSY TA36		TA36-0-2		
SCALE	SHEET	OF	TOTAL	DATE
	2	2		

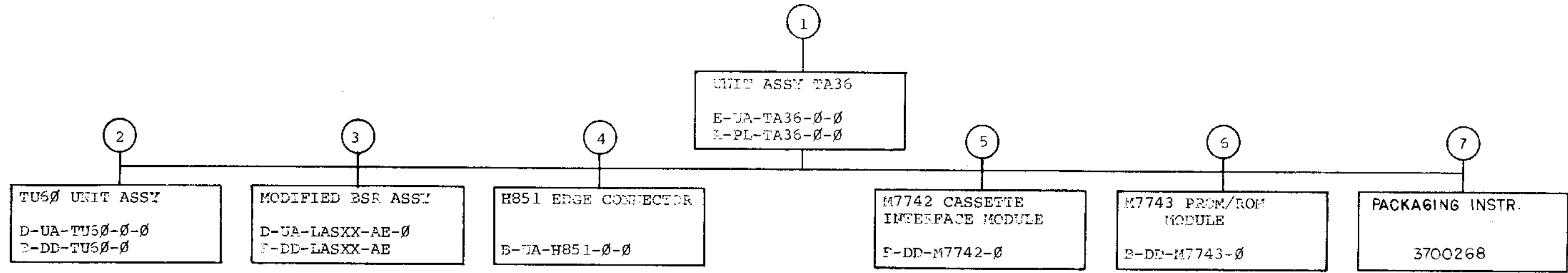
"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR HEREIN."

# DRAWING DIRECTORY

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UNIT VARIATIONS	
VAR	TITLE
TA36-DA	TA36 UNIT ASSY
TA36-DB	TA36 UNIT ASSY
TA36-DC	TA36 UNIT ASSY
TA36-DD	TA36 UNIT ASSY

REVISIONS	CHG	NO.	REV.		USED ON OPTION/MODEL	DRN.	DATE	TITLE	<div style="border: 1px solid black; display: inline-block; padding: 2px;">digital</div>  TA36 UNIT ASSY						
					TA36										
	CHK					CHK'D.	DATE		NUMBER	REV					
									B	DD	TA36-Ø				
									DIST.						



TITLE	SHEET	SIZE	CODE	NUMBER	REV
TA36 UNIT ASSY	2 of 3	B	00	TA36-0	

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MP00252	FIELD MAINTENANCE PRINT SET (MP)	-				
	E-TC-TA36-0-1	FIELD MAINTENANCE PRINT SET (TC)	-				
	E-UA-TA36-0-0	TA36 UNIT ASSY	M	6	B-DD-M7743-0	PROM/ROM MODULE (M7743)	-
	A-PL-TA36-0-0	TA36 PARTS LIST	M				
	C-AD-7010001-8-0	JUMPER (LA36)	E/M				
	C-IA-7008612-1F-0	CABLE, KEYBOARD	E/M				
	D-FA-7013370-0-0	CABLE, 24 COND DIP SOCKET	E/M				
	C-IA-7417522-0-0	BRACKET, TA36	M				
	C-MD-7417653-0-0	CLAMP, TA36	M				
	A-PL-TA36-0-2	SHIPPING LIST, TA36	-				
	3613885	DECAL, TA36 OPERATOR	E/M				
	A-SP-TA36-0-3	TA36 ENG SPEC	E/M	7	3700268	PACKAGING INSTR. TA36	
2	D-UA-TU60-0-0	UNIT ASSY (TU60)	E/M				
	B-DD-TU60-0	DRAWING DIRECTORY (TU60)	-				
3	D-UA-LASXX-AE-0	MODIFIED BSR ASSY (LASXX-AE)	E/M				
	B-DD-LASXX-AE	DRAWING DIRECTORY (LASXX-AE)	-				
4	E-UA-H851-0-0	H851 EDGE CONNECTOR	E/M				
5	B-DD-M7742-0	CASSETTE INTERFACE MODULE (M7742)	-				

KEY: E ELECTRICAL  
M MECHANICAL  
E/M ELECTRO/MECHANICAL

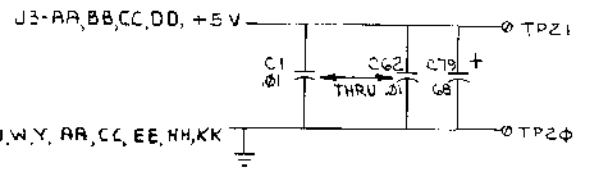
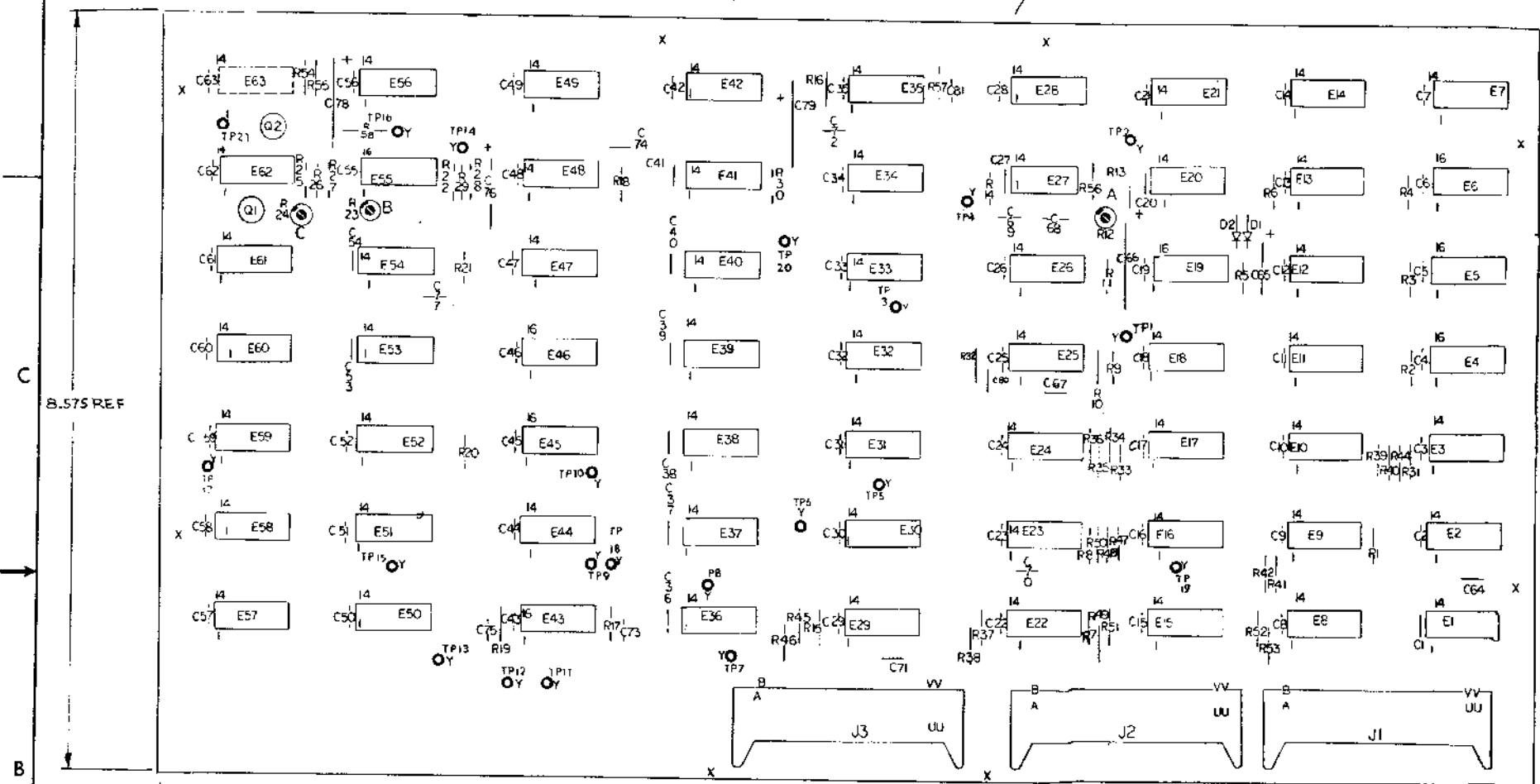
digital

TITLE  
TA36 UNIT ASSY

SHEET 3 OF 3	SIZE	CODE	NUMBER	REV
	B	DD	TA36-0	

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**NOTES:**  
1. UNLESS OTHERWISE SPECIFIED:  
RESISTANCE IS IN OHMS  
CAPACITANCE IS IN MICROFARADS



IC TYPE	GND	+5V
7495	16	14
7497	16	16
380	1	9
74193	15	16
74123	15	16

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

IC PIN LOCATIONS

- J1 A, B, C, E, H, K, M, P, S, U, W, Y, AA, CC, EE, HH, KK, MM, PP, SS, UU, VV.
- J2 A, B, C, E, H, K, M, P, S, U, W, Y, AA, CC, EE, HH, KK, MM, PP, SS, UU, VV.
- J3 M, N, P, R.

REV	DATE	DESCRIPTION
1	12-20-72	INITIAL DESIGN
2	1-11-73	REVISED FOR M.L.E.I.S.
3	1-11-73	REVISED FOR M.L.E.I.S.
4	1-11-73	REVISED FOR M.L.E.I.S.
5	1-11-73	REVISED FOR M.L.E.I.S.
6	1-11-73	REVISED FOR M.L.E.I.S.
7	1-11-73	REVISED FOR M.L.E.I.S.
8	1-11-73	REVISED FOR M.L.E.I.S.
9	1-11-73	REVISED FOR M.L.E.I.S.
10	1-11-73	REVISED FOR M.L.E.I.S.

FIRST USED ON OPTION MODEL  
TJ60

COMPONENT SUBSTITUTION			
QTY	REF DESIGNATION	DESCRIPTION	PART NO.
1	R26	RES 620 1/4W 5%	1303178
1	R25	RES. 680 1/4W 5%	1301424
1	R11	RES 5.6K 1/4W 5%	1301874
1	C66	CAP 180 MFD 6V 20% STANT	1000086
1	R56	RES 30K 1/4W 5%	1302394
11	R34, R36, R38, R40, R42, R44, R46, R48, R49, R51, R53	RES 390 1/4W 5%	1300309
1	R16, R58	RES 150 1/4W 5%	1300250
1	R5	RES 24K 1/4W 5%	1304837
2	R12, R24	RES 20K 1/2W 10% 62P POT	1309150-13
1	R55	RES 2K 1/4W 5%	1302368
1	R23	RES 200 1/2W 10% 62P POT	1309150-10
1	R22	RES 47K 1/4W 5%	1302177
1	R27	RES 12K 1/4W 5%	1300488
1	R28	RES 14.7K 1/8W 1%	1302941
1	R29, R33, R35, R37, R39, R41, R45, R47, R31, R50, R52	RES 180 1/4W 5%	1301322
1	R17	RES 10K 1/4W 5%	1300479
7	R13, R14, R16, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54	RES 1K 1/4W 5%	1300365
2	R6, R29	RES 470 1/4W 5%	1300314
10	R1, R7, R10, R12, R14, R15, R17, R19, R21, R23, R25, R27	RES 220 1/4W 5%	1300271
1	R19	RES 20K 1/4W 5%	1302391
1	E53	IC DEC 7427	1910878
3	E19, E43, E55	IC DEC 74123	1910436
2	E45, E46	IC DEC 74193	1900018
1	E21	IC DEC 7486	1910011
5	E18, E22, E47, E24	IC DEC 8501	1909928
3	E11, E12, E13	IC DEC 7416	1909928
5	E3, E10, E15, E16, E25	IC DEC 8501	1909928
6	E18, E30, E32, E47, E49, E50	IC DEC 7404	1909928
3	E4, E5, E6	IC DEC 8271	19099615
2	E7, E9	IC DEC 7495	19099615
8	E17, E20, E33, E35, E38, E50, E58, E59	IC DEC 7402	1909904
2	E41, E52	IC DEC 7401	1909904
2	E42, E56	IC DEC 7450	1909904
2	E40, E54	IC DEC 7410	1909904
3	E27, E28, E29, E3, E39, E48, E51, E57, E61	IC DEC 7400	1909904
8	E7, E14, E26, E34, E35, E37, E44, E62	IC DEC 7474	1909904
2	DI, D2	DIODE 1N4148	1909904
1	C62	CAP 5.8MFD 35V 10% STANT	1000086
1	C65	CAP 3.9MFD 10V 10% STANT	1000086
64	C1 THRU C62, C73, C75	CAP .01MFD 100V 20% DISC	1000086
2	C75, C77	CAP 68MFD 15V 10% STANT	1000086
4	C67, C77, C72, C81	CAP 1000PF 100V 5% MICA	1000086
4	C68, C69, C71, C76	CAP 550PF 100V 5% DM	1000086
2	C24, C20	CAP 470PF 50V 5% DM	1000086
3	J1, J2, J3	CONNECTOR 25PIN	1000086
E1	TP1 THRU TP21	LAG SWAGE #1026-2	9007791
2	Q1, Q2	TRANS. 65340 PND 310MW	1502409
1	C80	CAP .001PF 100V 5% DM	1000086

PARTS LIST			
QTY	REF DESIGNATION	DESCRIPTION	PART NO.
1		ETCH BOARD REV E	

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TJ60  
LOGIC

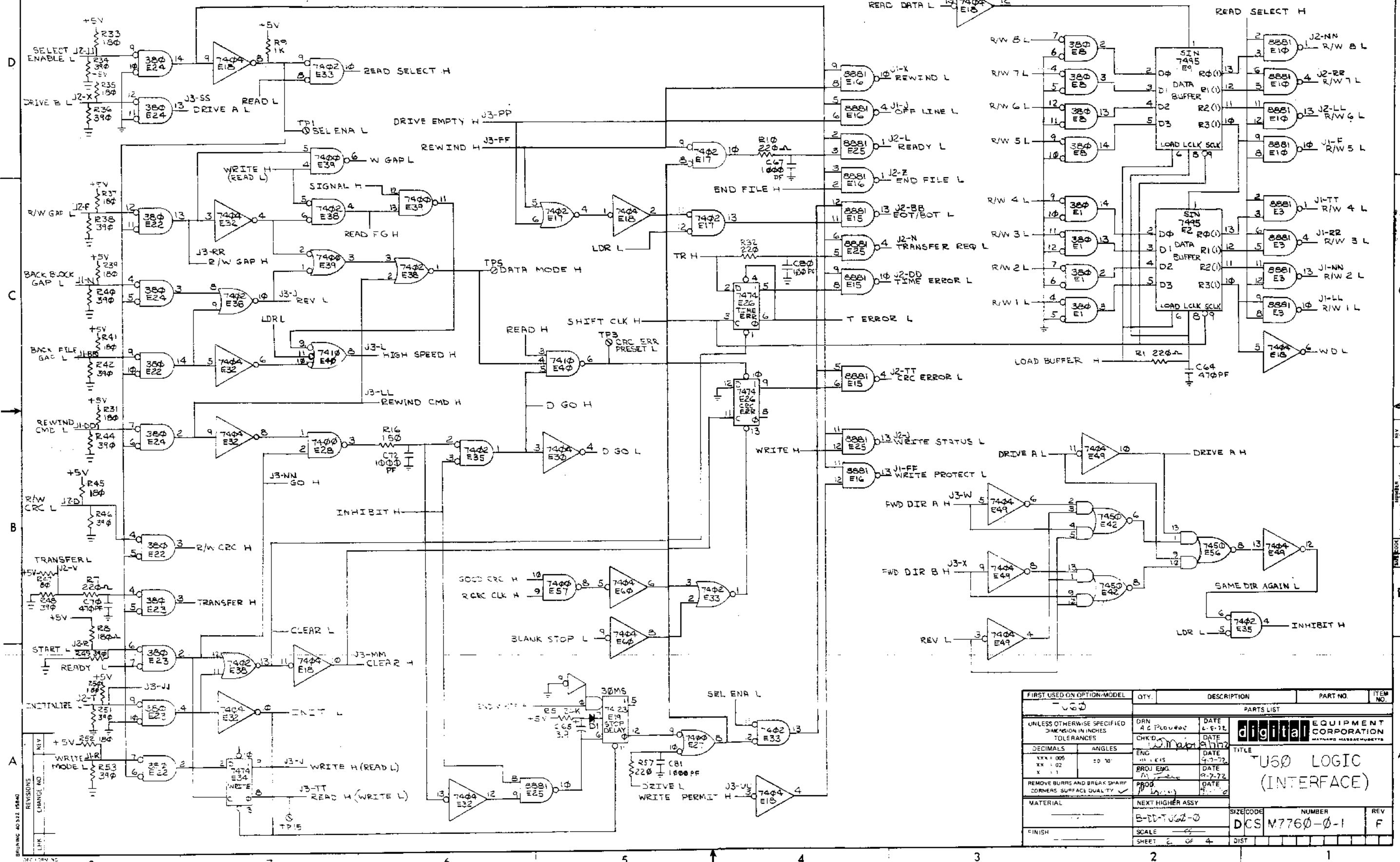
DEC NO	EIA NO	DEC NO	EIA NO
D664	1NE624		

SEMICONDUCTOR CONVERSION CHART

SIZE	CODE	NUMBER	REV
1/8"		17762-04	F



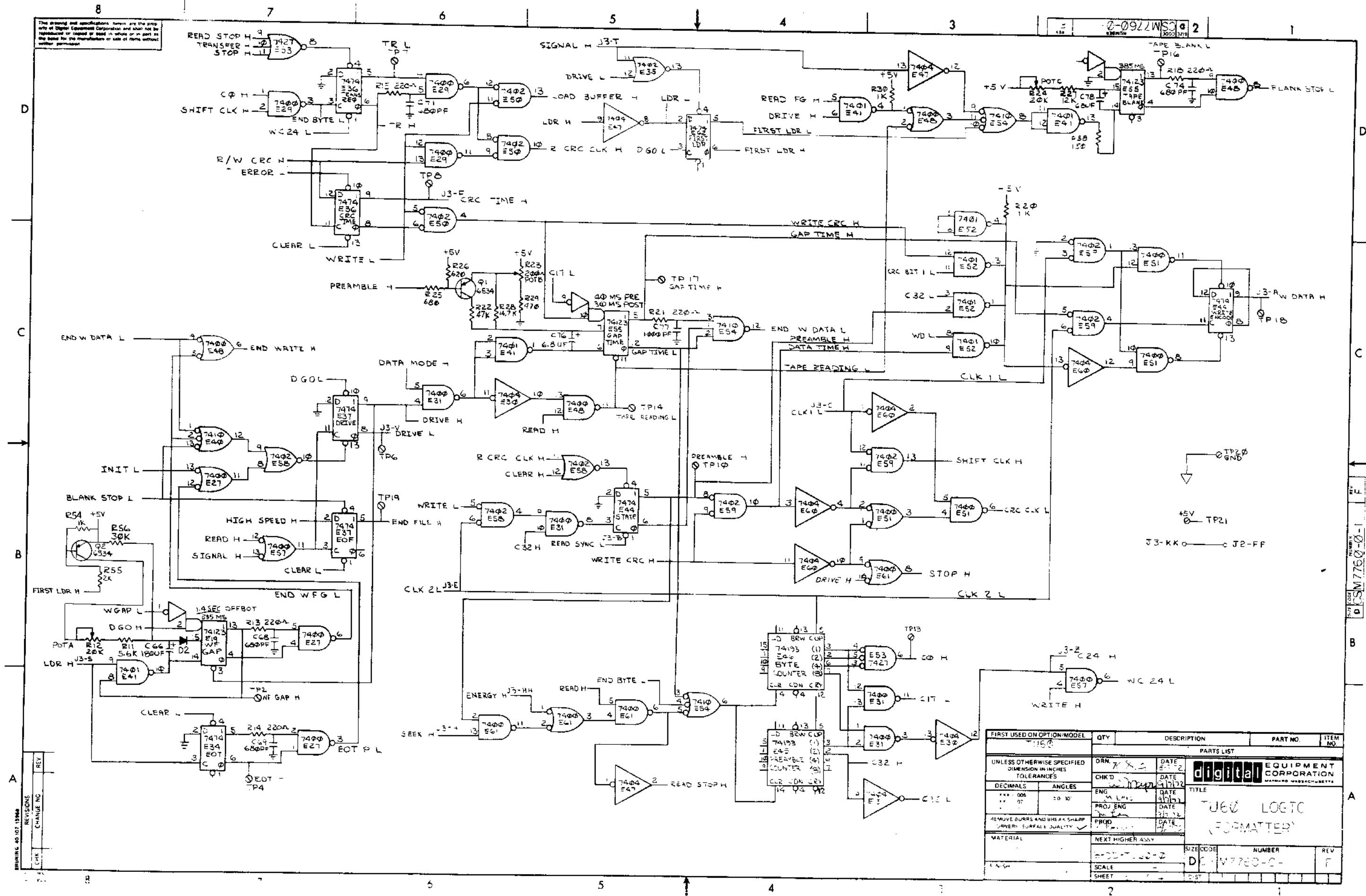
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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN AC PRODUCE CHK'D DATE 6-8-72	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DECIMALS	ANGLES			
XXX = 005 XX = 02 X = 1	ED 10'	ENG H. E. S. DATE 4-7-72	TITLE T500 LOGIC (INTERFACE)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROB DATE 7-7-72	BRJL ENG DATE 2-7-72	REV F	
MATERIAL	NEXT HIGHER ASSY	SIZE/CODE	NUMBER	REV
FINISH	B-DD-T500-0	SCALE	DCS M7760-0-1	F
	SHEET 2 OF 4	DIST		

BRUNING 40332 (5840)  
LINK CHANGE NO.  
REV. NO.

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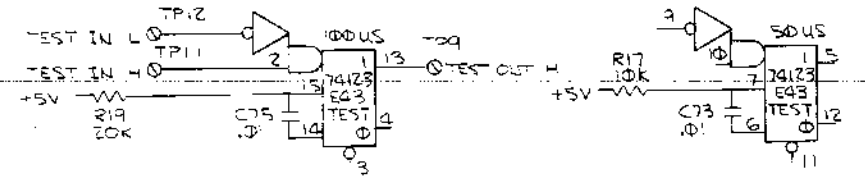
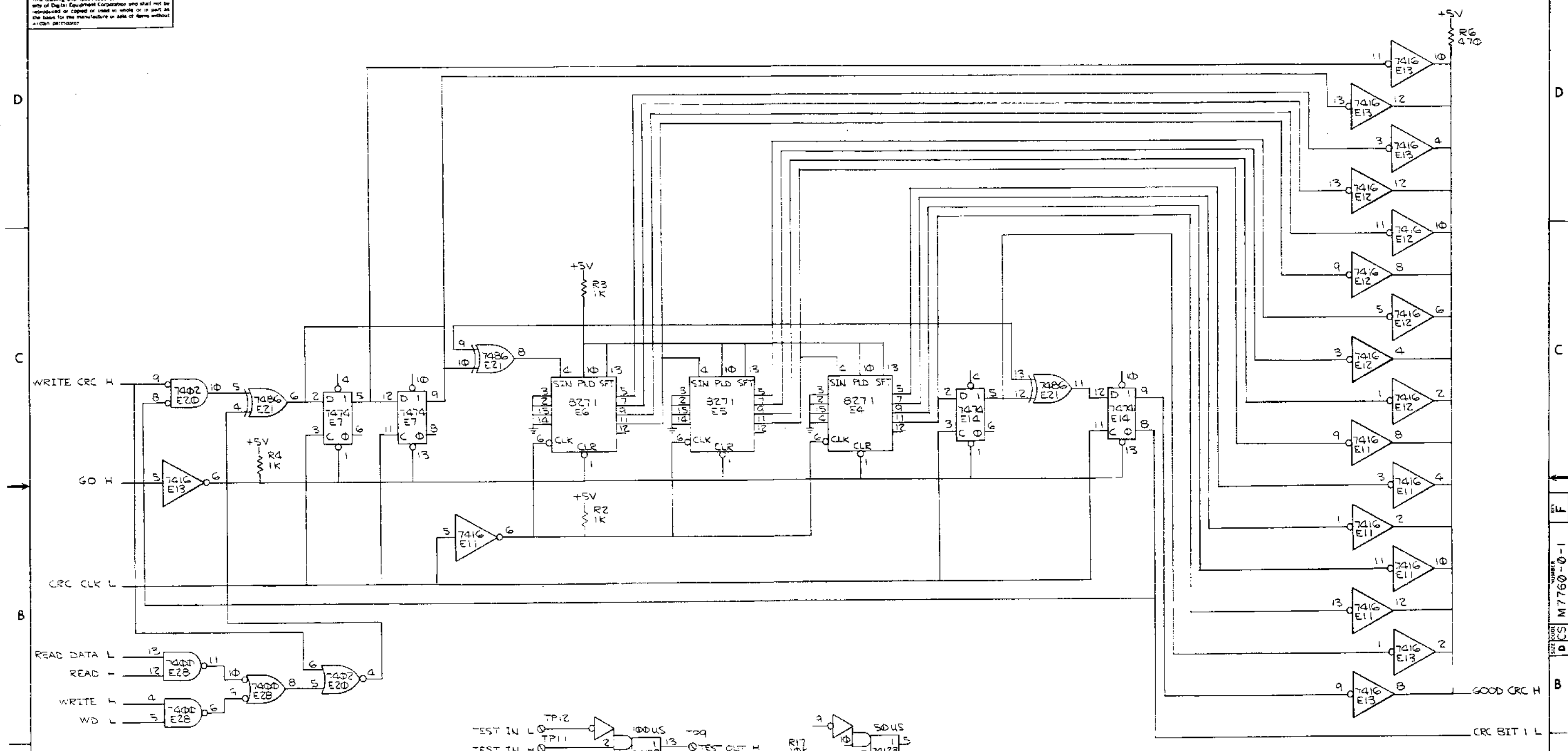


FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	 <b>DIGITAL EQUIPMENT CORPORATION</b> <small>MAYNARD MASSACHUSETTS</small>	
DECIMALS	CHK'D	DATE		
ANGLES	ENG	DATE		
*** 006	PROJ ENG	DATE		
REMOVE BURRS AND BREAK SHARP EDGES - SURFACES QUALITY	PRD	DATE	<b>TJ60 LOGIC FORMATTER</b>	
MATERIAL	NEXT HIGHER ASSY	DATE		
SCALE	SIZE CODE	NUMBER		
SHEET	REV	REV		

BRUNING 40-107-10448  
 REVISIONS  
 CHANGE NO. REV

0-0922 WSC 2  
 3003 3219  
 7760-0-1

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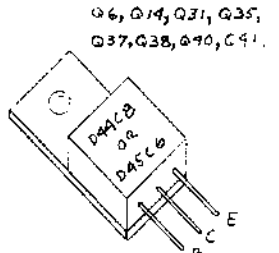
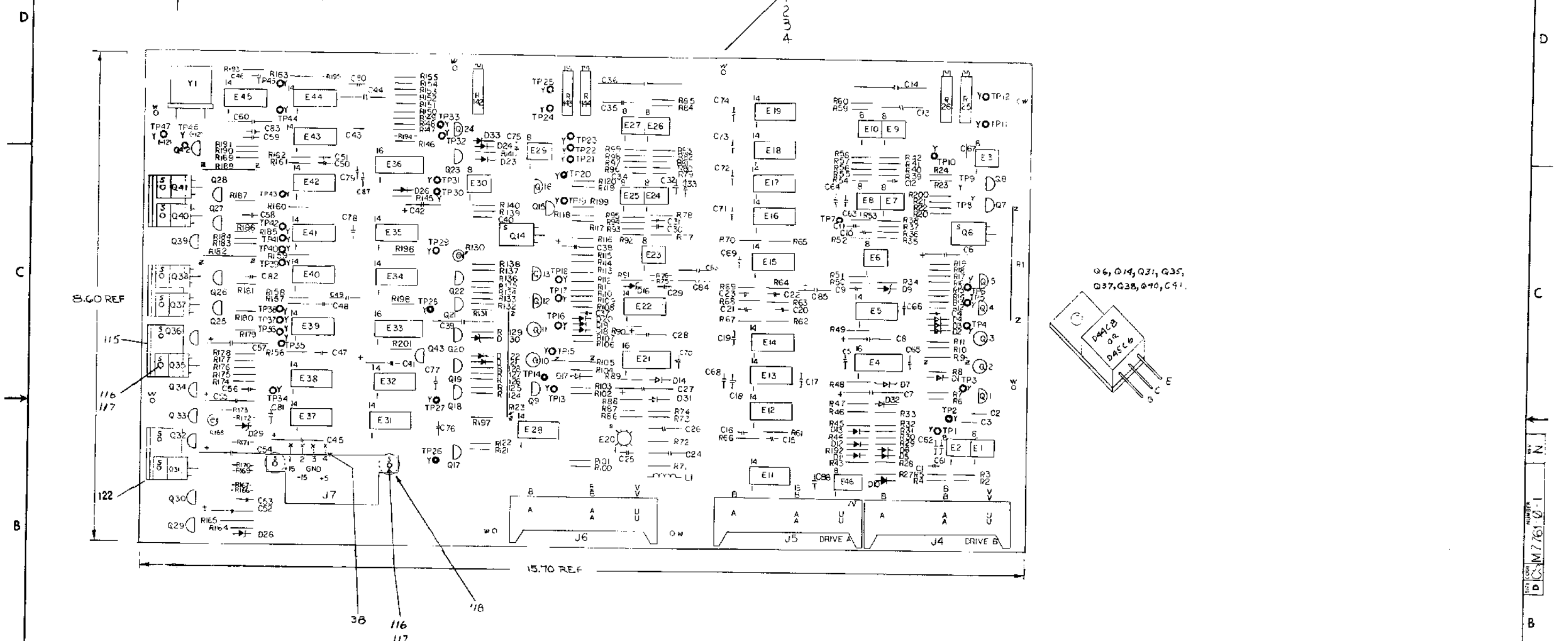
FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO.
TU60		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>Ch. 1/10/72</i>	DATE 5-14-72	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	CHK'D <i>W. H. 1/21/72</i>	DATE 3/17/72	TITLE TU60 LOGIC (CRC LOGIC)
XXX - 005 XX - 02 X - 1	±0.30	ENG <i>PA</i>	DATE 1/17/72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		BRD'G ENG <i>PA</i>	DATE 3/17/72	
MATERIAL		PROP. <i>PA</i>	DATE 4/21/72	
FINISH		NEXT HIGHER ASSY.	SIZE CODE B-00-TU60-0	NUMBER DCS M7760-0-1
			SCALE	REV. F
			SHEET 2 OF 4	

REV. 102-9  
REV. 102-9  
REV. 102-9

DCS M7760-0-1

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**NOTES:**  
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 RESISTANCE IS IN OHMS  
 CAPACITANCE IS IN MICROFARADS  
 ALL PNP TRANSISTORS ARE 6534J  
 ALL NPN TRANSISTORS ARE 6531B  
 ALL DIODES ARE D664



IC TYPE	GND	+5V	+12V	-12V
4024	5, 7, 9	1, 13, 14		
306	1		8	4
7492	10	5		
7493	10	5		
380	1	8		
301			7	4
741				4
74123	8	16		
75452	4	8		

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

IC PIN LOCATIONS

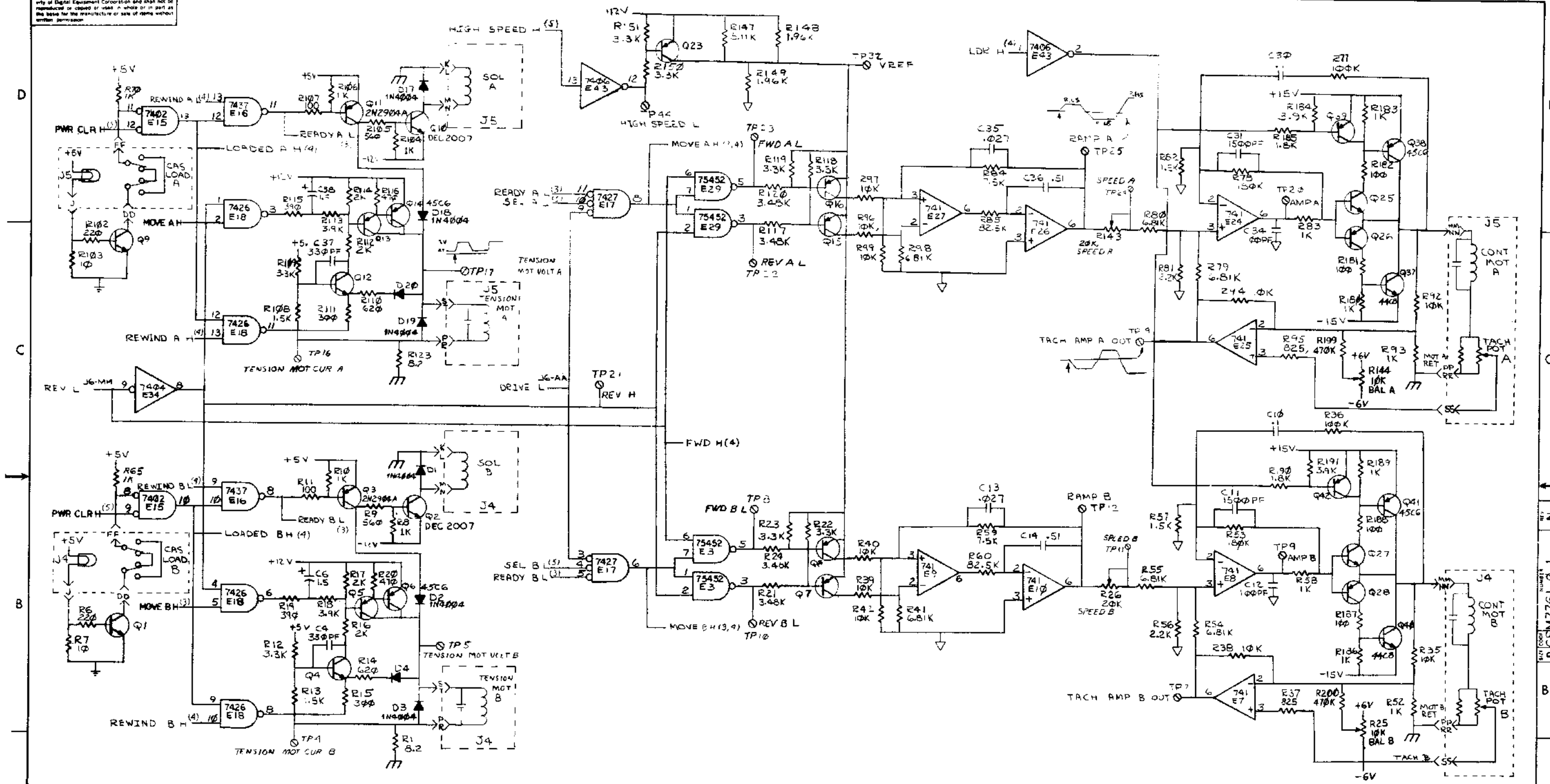
REV.	DATE	BY	CHKD.	DESCRIPTION
1	9-20-71	H. DRAB		
2	11-17-71	M. LEIS		
3	11-17-71	M. LEIS		
4	11-17-71	M. LEIS		
5	11-17-71	M. LEIS		
6	11-17-71	M. LEIS		
7	11-17-71	M. LEIS		
8	11-17-71	M. LEIS		
9	11-17-71	M. LEIS		
10	11-17-71	M. LEIS		
11	11-17-71	M. LEIS		
12	11-17-71	M. LEIS		
13	11-17-71	M. LEIS		
14	11-17-71	M. LEIS		
15	11-17-71	M. LEIS		
16	11-17-71	M. LEIS		
17	11-17-71	M. LEIS		
18	11-17-71	M. LEIS		
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25	11-17-71	M. LEIS		
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29	11-17-71	M. LEIS		
30	11-17-71	M. LEIS		
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32	11-17-71	M. LEIS		
33	11-17-71	M. LEIS		
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35	11-17-71	M. LEIS		
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39	11-17-71	M. LEIS		
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63	11-17-71	M. LEIS		
64	11-17-71	M. LEIS		
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66	11-17-71	M. LEIS		
67	11-17-71	M. LEIS		
68	11-17-71	M. LEIS		
69	11-17-71	M. LEIS		
70	11-17-71	M. LEIS		

FOR PARTS LIST INFORMATION SEE SHEET 2

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
FIRST USED ON OPTION MODEL				
TUS0				
ETCH BOARD REV H				
DIGITAL EQUIPMENT CORPORATION REPAIR AND SERVICE				
TITLE: READ/WRITE AND SERVO				
NEXT HIGHER ASSY: B-D3-TJ60-0				
SCALE: 1/4"				
SHEET 5 OF 5				
SEMICONDUCTOR CONVERSION CHART				
DATE: 8/4/72 CHKD: J. MAIOR ENGR: M. LEIS PROL ENG: J. MAIOR DATE: 8/4/72				
REV. N				
D CS M7761-0-1				



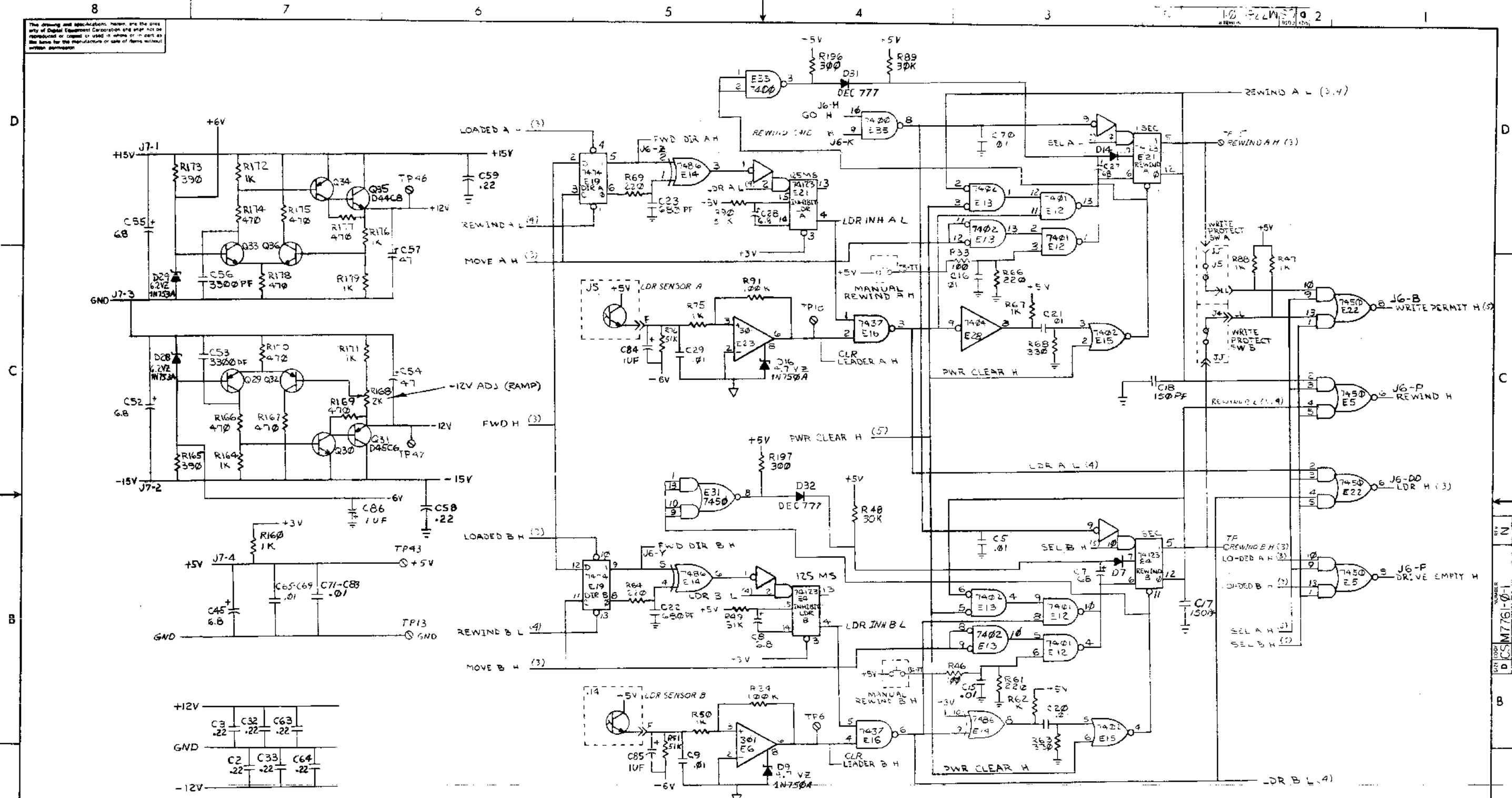
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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE 8-11-72	<b>digital EQUIPMENT CORPORATION</b> <small>100 FEDERAL STREET, BOSTON, MASSACHUSETTS 02108</small>	
DECIMALS	CHK'D	DATE		
ANGLES	ENG	DATE 10-17-72	<b>READ / WRITE AND SERVO (MOTOR CIRCUITS)</b>	
XXX + 000	W. LEIS	DATE 10-17-72		
XX - 02	PROJ. ENG.	DATE 10-17-72	<b>DCS M7761-0-1</b>	
X - 1	PROJ. ENG.	DATE 10-17-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE 10-17-72	MATERIAL NEXT HIGHER ASSY B-DD-TU60-0 SCALE SHEET 3 OF 5	
			DIST.	

REVISIONS  
 CHANGE NO. REV.  
 1  
 2  
 3

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+5V — J4-W, X, J5-W, X, J6-S, T, U, V.  
 GND — J4-A, C, E, H, K, L, Y, Z, AA, BB, PP, RR.  
 J5-A, C, E, H, K, L, Y, Z, AA, BB, PP, RR.  
 J6-E, E, FF, HH, JJ.

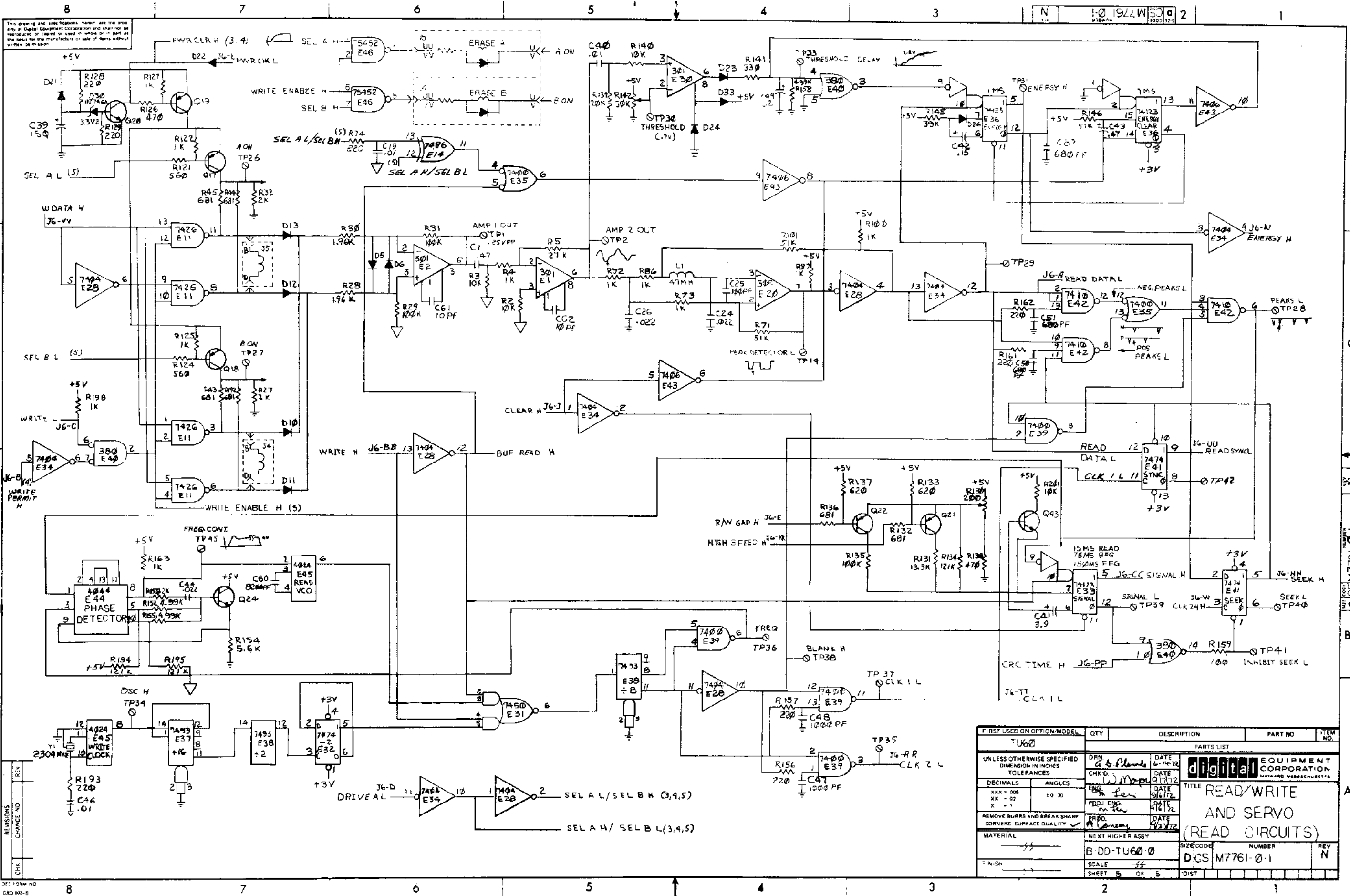
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
T. 22				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN CHKD ENG PROJ. ENG PROD.	DATE DATE DATE DATE DATE	 <b>digital EQUIPMENT CORPORATION</b> READ/WRITE AND SERVO (REWIND/REG)	
DECIMALS	ANGLES			
XXX - 006	10° 30'			
XX - 02				
X - 1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY			
FINISH	SCALE			
SHEET 4 OF 5	DIST			

REVISIONS  
 CHK CHANGE NO  
 DATE

DIC 104M NO  
 DRU 100-A

NUMBER  
 DCS M7761-0-1

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REV	CHG	REVISIONS

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO.
TU60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE	PARTS LIST	
XXX - 005	10 30	6-14-72	digital EQUIPMENT CORPORATION	
X - 02		8-15-72	MAYFORD MASSACHUSETTS	
X - 1		5-16-72	TITLE READ/WRITE AND SERVO (READ CIRCUITS)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	REV N	
MATERIAL		9-27-72	NUMBER	
NEXT HIGHER ASSY			SIZE CODE	
			B-DD-TU60-0	
			SCALE	
			DGS M7761-0-1	
			SHEET 5 OF 5	



# DRAWING DIRECTORY

## CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

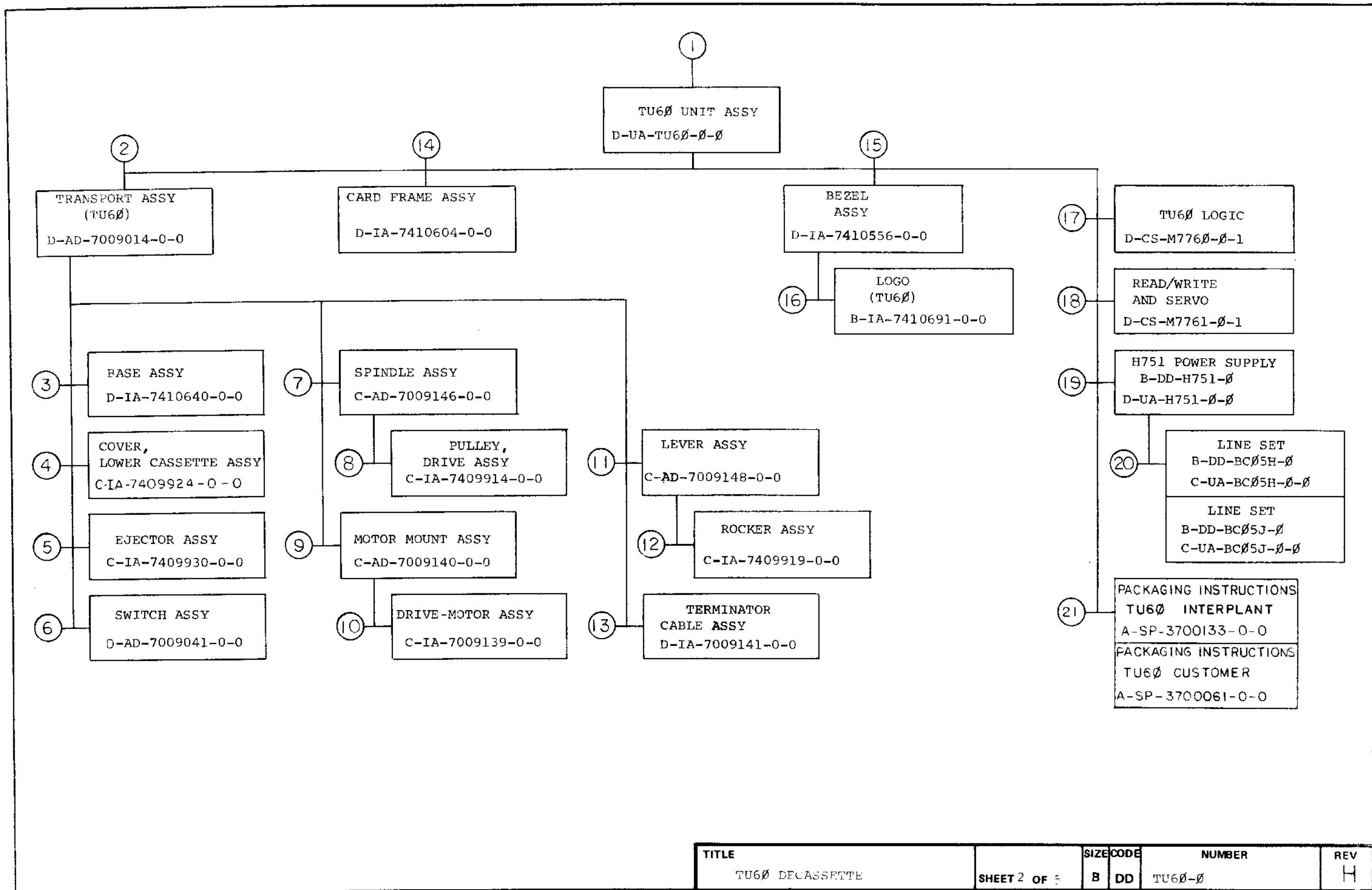
	SEQUENCE	SEQUENCE
DRAWING DIRECTORY	B-DD-TU60-0	
TU60 LOGIC (M7760)	D-CS-M7760-0-1	
READ/WRITE AND SERVO (M7761)	D-CS-M7761-0-1	
TERMINATOR, CASSETTE DRIVE	D-CS-5410135-0-1	
H751 POWER SUPPLY	B-DD-H751-0	
CASSETTE DRIVE WIRING DIAGRAM	D-WD-TU60-0-WD	
TU60 UNIT ASSEMBLY	D-UA-TU60-0-0	
TU60 UNIT ASSEMBLY	A-PL-TU60-0-0	
TRANSPORT ASSEMBLY (TU60)	D-AD-7009014-0-C	
TRANSPORT ASSEMBLY (TU60)	A-PL-7009014-0-0	
BASE ASSEMBLY	D-IA-7410640-0-0	
SWITCH ASSEMBLY	D-AD-7009141-0-C	
SPINDLE ASSEMBLY	C-AD-7009146-0-C	
MOTOR MOUNT ASSEMBLY	C-AD-7009140-0-0	
DRIVE MOTOR ASSEMBLY	C-IA-7009139-0-0	
LEVER ASSEMBLY	C-AD-7009148-0-0	

UNIT VARIATIONS		PRINT SET TYPE		
VARIATION	TITLE	TU60-0		
TU60-AA	TU60 UNIT ASSY (115V)			
TU60-AB	TU60 UNIT ASSY (230V)	X		
TU60-DA	TU60 SINGLE DRIVE UNIT ASSY (115V)	X		
TU60-DB	TU60 SINGLE DRIVE UNIT ASSY (230V)	X		

DATE	CHG. NO.	REV
2/73	TU60-07	A
8/73	TU60-12	B
5/74	TU60-13	C
6/74	TU60-14	D
6/76	TU60-17	E
12/76	TU60-18	F
6/77	TU60-19	H

USED ON OPTION/MODEL	DRN. W. MAJOR	DATE	TITLE	SIZE	CODE	NUMBER	REV
		1/9/73	TU60 DECASSETTE	B	DD	TU60-0	H
	CHK'D.	DATE					
	PROJ ENG.	DATE					
	PROD.	DATE					
	FIELD SERV.	DATE					
SHEET 1 OF 6		DIST					

DRB 106



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
TU60 DECASSETTE		B DD	TU60-0	H

CUSTOMER PRINT SET		ELECTRICAL					CUSTOMER PRINT SET		MECHANICAL						
TU60-0	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHY	DESCRIPTION	OPTION NO / FILE DATE	TU60-0	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHY	DESCRIPTION	OPTION NO / FILE DATE
X		1	D-WD-TU60-0-WD	*	1	CASSETTE DRIVE WIRING DIAGRAM		X		1	D-UA-TU60-0-0	H	2	TU60 UNIT ASSEMBLY	
								X			A-PL-TU60-0-0	H	2	TU60 UNIT ASSEMBLY	
		13	D-IA-7009041-0-0		1	TERMINATOR CABLE ASSY					E-IA-7409943-0-0		2	CHASSIS (TU60)	
X			D-CS-5410135-0-1	*	2	TERMINATOR, CASSETTE DRIVE					D-IA-7409990-0-0		1	PLATE, CHASSIS, FRONT (TU60)	
											E-MD-7409941-0-0		1	COVER, CHASSIS	
											C-MD-7409904-0-0		1	BRACKET, SYMMETRICAL	
											B-MD-7409933-0-0		1	EUSHING, PIVOT	
											D-UA-BC05L-0-0		1	CABLE, JUMPER	
											D-PS-1210931-0-0		1	BLOCK, CABLE RETAINING	
X		17	D-CS-M7760-0-1	*	4	TU60 LOGIC					C-MD-7410690-0-0		1	BRACKET, SHIPPING	
											D-PS-1209154-0-0		1	CHASSIS-TRAK	
											D-MD-7417654-0-0		1	HANGER, TA36	
X		18	D-CS-M7761-0-1	*	5	READ/WRITE AND SERVO		X		2	D-AD-7009014-0-0	*	2	TRANSPORT ASSY (TU60)	
								X			A-PL-7009014-0-0	*	3	TRANSPORT ASSY (TU60)	
											C-MD-7409911-0-0		1	SPACER, TAPE GUIDE	
											C-MD-7409912-0-0		1	GUIDE, TAPE	
											C-MD-7409928-0-0		1	BRACKET, SOLENOID	
											C-MD-7409908-0-0		1	PLATE, HEAD MOUNT	
											B-MD-7410518-0-0		1	BUTTON, REWIND SWITCH	
											B-MD-7410519-0-0		1	BRACKET, REWIND SWITCH	
											C-MD-7410537-0-0		1	SPRING, LOCK BAR	
											B-MD-7410544-0-0		1	SPACER, E.O.T. BLOCK	
											D-PS-1211279-0-0		1	COUPLING, CASSETTE DRIVE (3MM)	
											D-MD-7409917-0-0		1	LOCK-BAR, CASSETTE	
											D-PS-1211289-0-0		1	SENSOR ASSY	
											B-MD-7409929-0-0		1	BRACKET, TERMINAL BOARD	
								X		3	D-IA-7410640-0-0	*	1	BASE ASSEMBLY	
											E-MD-7409835-0-0		1	BASE, CASSETTE TRANSPORT (MACH)	
											B-MD-7409938-0-0		1	BUSHING, ROCKER	
											B-MD-7410553-0-0		1	SHIM, SKEW	
											C-MD-7410539-0-0		1	PIN, ANCHOR	
											C-MD-7409934-0-0		1	PIN, SPRING, MOTOR BIAS	
											E-PS-1211122-0-0		1	BASE, CASSETTE TRANSPORT (CAST)	
CUSTOMER PRINT SET CODES	X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED						TITLE		SHEET 3 OF 8	DD	NUMBER TU60-0	REV H			

CUSTOMER PRINT SET				MECHANICAL					CUSTOMER PRINT SET				MECHANICAL				
TU6Ø-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	TU6Ø-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE		
		4	C-IA-7409924-0-0		1	COVER, LOWER CASSETTE ASSY		X		10	C-IA-7009139-0-0	#	1	DRIVE-MOTOR ASSY			
			C-MD-7409905-0-0		1	COVER, LOWER CASSETTE					C-MD-7409913-0-0		1	SLEEVE, MOTOR			
			C-MD-7410541-0-0		1	PIN, SPRING, COVER, CASSETTE											
			B-MD-7410552-0-0		1	LENS											
								X		11	C-AD-7009148-0-0	#	1	LEVER ASSY			
											C-MD-7409931-0-0		1	LEVER, ROCKER			
											B-MD-7409932-0-0		1	ROLLER, IDLER			
		5	C-IA-7409930-0-0		1	EJECTOR ASSY											
			C-MD-7409907-0-0		1	EJECTOR											
			B-MD-7410543-0-0		1	ROLLER, EJECTOR											
X		6	D-AD-7009141-0-0	#	1	SWITCH ASSY				12	C-IA-7409919-0-0		1	ROCKER ASSY			
			C-MD-7409926-0-0		1	BLOCK, SWITCH					C-MD-7409916-0-0		1	PLATE, ROCKER			
			C-MD-7409935-0-0		1	SPACER, MICRO SWITCH					B-MD-7409921-0-0		1	SLEEVE, ROCKER			
											B-MD-7409922-0-0		1	SHAFT, IDLER			
X		7	C-AD-7009146-0-0	#	1	SPINDLE ASSY				14	D-IA-7410604-0-0		1	CARD FRAME ASSY			
			D-MD-7410509-0-0		1	COUPLING, CASSETTE DRIVE (2MM)					E-MD-7409942-0-0		1	FRAME, CARD			
			C-MD-7410692-0-0		1	BEARING, SPINDLE					C-MD-7410587-0-0		1	STAND-OFF, THREADED			
		8	C-IA-7409914-0-0		1	PULLEY, DRIVE ASSY				15	D-IA-7410556-0-0		1	BEZEL ASSY			
			C-MD-7410535-0-0		1	PULLEY, DRIVE					C-MD-7409882-0-0		1	ADAPTER, BEZEL			
			C-MD-7410527-0-0		1	SPINDLE					D-MD-7410579-0-0		1	INLAY, BEZEL			
											D-CS-1209226-0-0		1	BEZEL 5 1/4"			
X		9	C-AD-7009140-0-0	#	1	MOTOR MOUNT ASSY				16	B-IA-7410691-0-0		1	LOGO (TU6Ø)			
			C-MD-7409915-0-0		1	PIVOT, MOTOR					A-SS-7410691-0-1		1	SILK SCREEN			
			C-MD-7409910-0-0		1	MOUNT, MOTOR											
										19	B-DD-H751-Ø		3	H751 POWER SUPPLY			
											D-UA-H751-Ø-Ø		2	H751 POWER SUPPLY			
											B-IA-5316191-Ø-Ø		1	CHASSIS, POWER SUPPLY			

CUSTOMER PRINT SET CODES  
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET  
C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT  
S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE: TU6Ø DECASSETTE  
SHEET 4 OF 5  
SIZE CODE: B DD  
NUMBER: TU6Ø-Ø  
RFV: H

CUSTOMER PRINT SET		MECHANICAL					CUSTOMER PRINT SET							
TU60 Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
			A-PS-9905271-0-0			LAMINATED BUILDUP								
			A-PS-9905184-0-0			LAMINATED BUILDUP								
			A-PS-9905418-0-0			REGULAR SLOTTED CARTON								
			A-PS-9905129-0-0			POLY BAG								
			A-PS-9905729-0-0			CARTON SEALING TAPE								
			A-SP-3700061-0-0			PACKAGING INST. TU60 CUSTOMER								
			A-PS-9905647-0-0			FULL TELESCOPE CAP								
			A-PS-9905643-0-0			FOAM PAD								
			A-PS-9905646-0-0			LAMINATED BUILDUP								
			A-PS-9905734-0-0			PLASTIC STRAPPING								

CUSTOMER PRINT SET CODES  
 X = PRINT OF DOCUMENT INCLUDED IN PRINT SET  
 C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT  
 S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

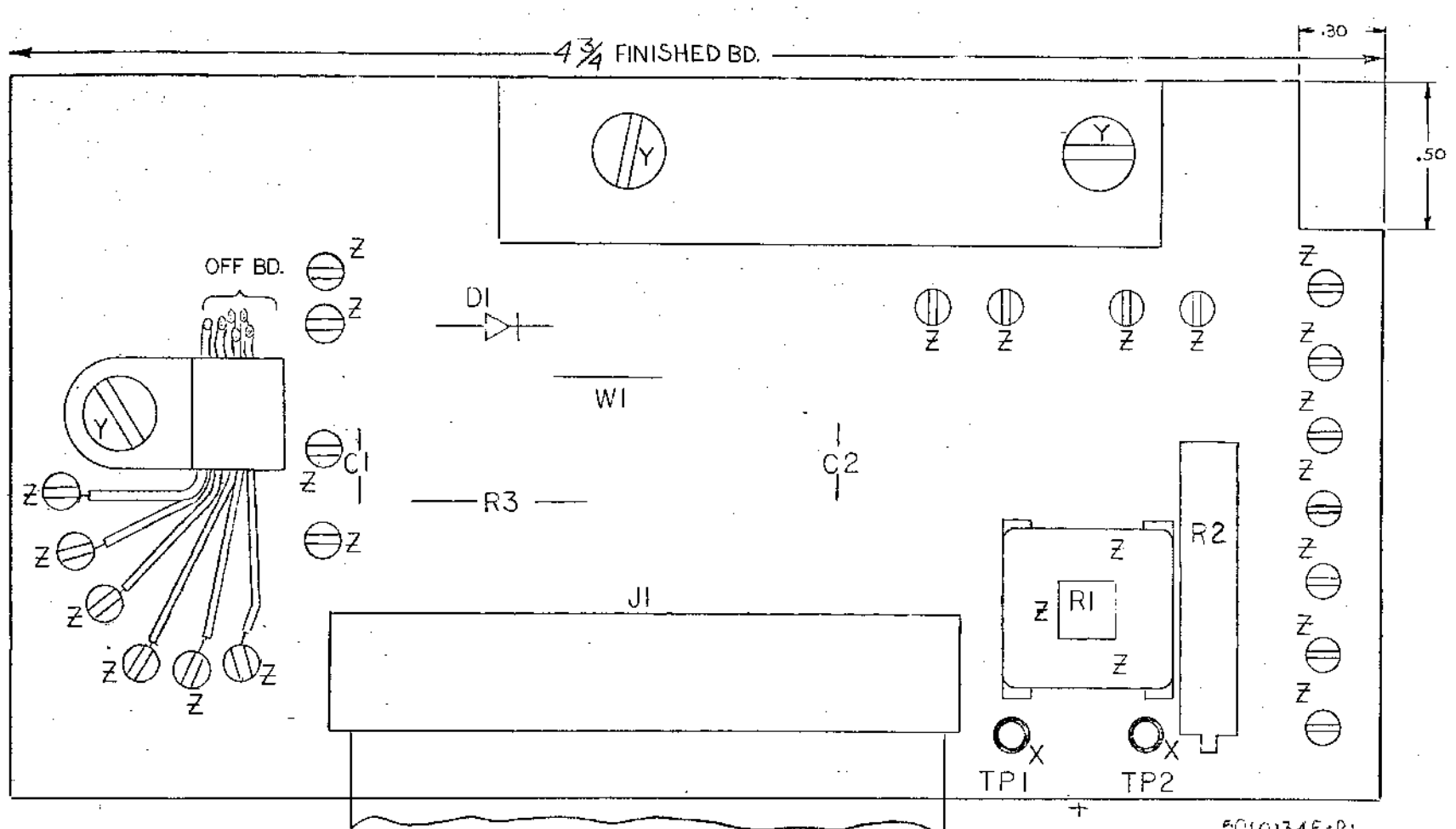
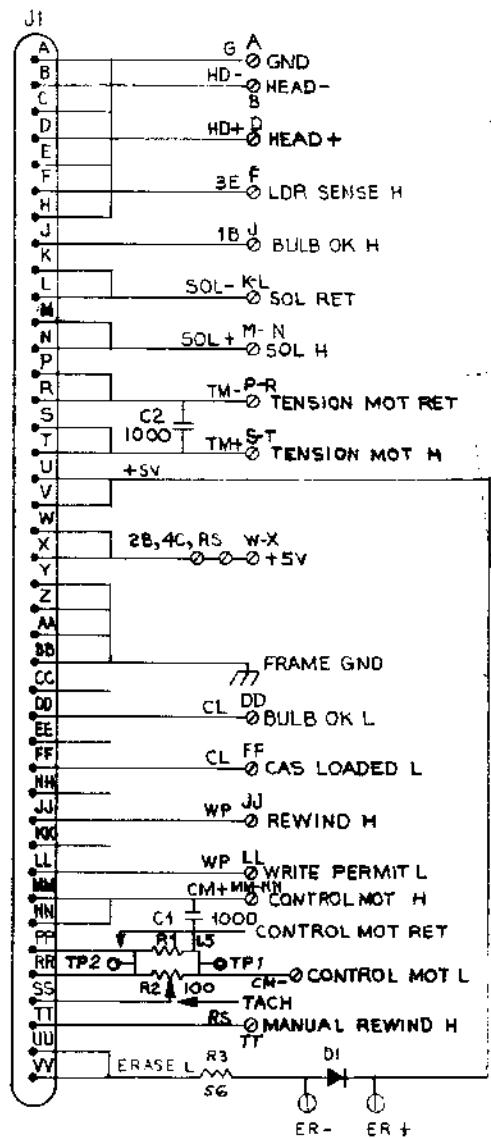
TITLE  
 TU60 DFCASSETTE  
 SHEET 5 OF 5  
 SIZE CODE  
 B DD  
 NUMBER  
 TU60-0  
 REV  
 H

DRB 108

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**NOTES:**

1. UNLESS OTHERWISE SPECIFIED:  
RESISTANCE IS IN OHMS,  
CAPACITANCE IS IN PICOFARADS.



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	W1	NO. 22 AWG	9107560-01	14
1	D1	DIODE P66A	1100114	13
1	R3	RES 56 1/2W 5% CC	1309995	12
REF		TERMINATOR CASSETTE DRIVE ASSY D-1A-5010134-0-0		11
2	TP1, TP2	TURRET LUG #1026-2	9007797	10
2	C1, C2	CAP 1000 DM	1000042	9
1	R1	RES 1.5 10W WIRE WOUND	1311112	8
1	R2	RES 100 3/4W 5% POT 16PR	1309143-04	7
1	J1	CONNECTOR 40 TERMINAL	1210073	6
21		SPLIT LUGS	9006735	5
RE		MODULE ECO HISTORY	8-MH-5410135-0-6	4
1		X-Y COORDINATE HOLE LOCATION	K-20-5410135-0-4	3
1		ETCHED CIRCUIT BOARD	5010134	2

PARTS LIST			
ETCH BOARD REV	E		
DRN	DATE	digital EQUIPMENT CORPORATION MAINTENANCE GROUP	
CHK'D	DATE	TITLE: TERMINATOR, CASSETTE DRIVE	
ENG	DATE	SIZE CODE	NUMBER
PROJ. ENL.	DATE		REV.
PROD.	DATE		E
NEXT HIGHER ASSY			
D-1A 5010134-0-0			
SCALE: DIST.			
SHEET OF			

FIRST USED ON OPTION MODEL	
REVISIONS	
CHK	CHANGE NO.
REV	
1	11/27/72
2	1/17/73
3	5/4/73
4	5/15/73
5	5/15/73
6	5/15/73
7	5/15/73
8	5/15/73
9	5/15/73
10	5/15/73
11	5/15/73
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34	5/15/73
35	5/15/73
36	5/15/73
37	5/15/73
38	5/15/73
39	5/15/73
40	5/15/73

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

PART NUMBER PCS 5410135-0-1 REV E

## CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE

SEQUENCE

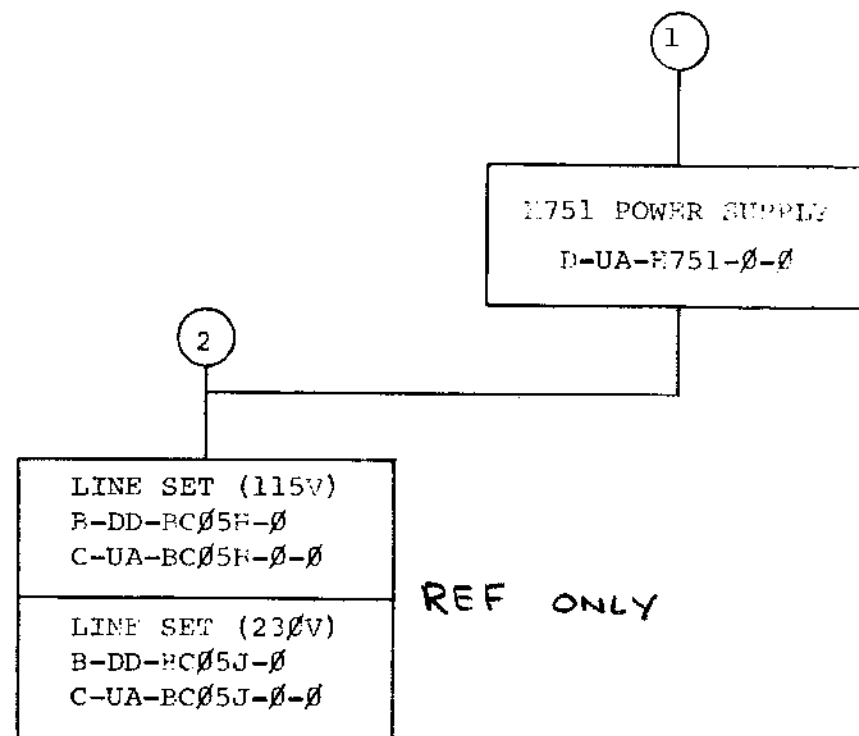
DRAWING DIRECTORY  
CIRCUIT SCHEMATIC  
UNIT ASSY  
UNIT ASSY (PL)  
CIRCUIT SCHEMATIC

DD-H751-0  
D-CS-H751-0-1  
D-UA-H751-0-0  
A-PL-H751-0-0  
D-CS-5410131-0-1

UNIT VARIATIONS		PRINT SET			
VAR	TITLE	H751-0			
H751-A	H751 POWER SUPPLY 115V	x			
H751-B	H751 POWER SUPPLY 230V	x			

REVISIONS	DATE	CHG. NO.	REV
	2-72	H751-1	A
	3-73	H751-2	B
	4-73	H751-3	C
	8-73	H751-4	D
	11-77	H751-5	E

USED ON OPTION/MODEL	DRN. DATE	TITLE			
		H751 POWER SUPPLY			
		SIZE	CODE	NUMBER	REV
		B	DD		E
SHEET	1	OF			
		DIST			



TITLE	SHEET OF	SIZE CODE	NUMBER	REV
E751 POWER SUPPLY	2 OF	B DD	Ø-Ø	E

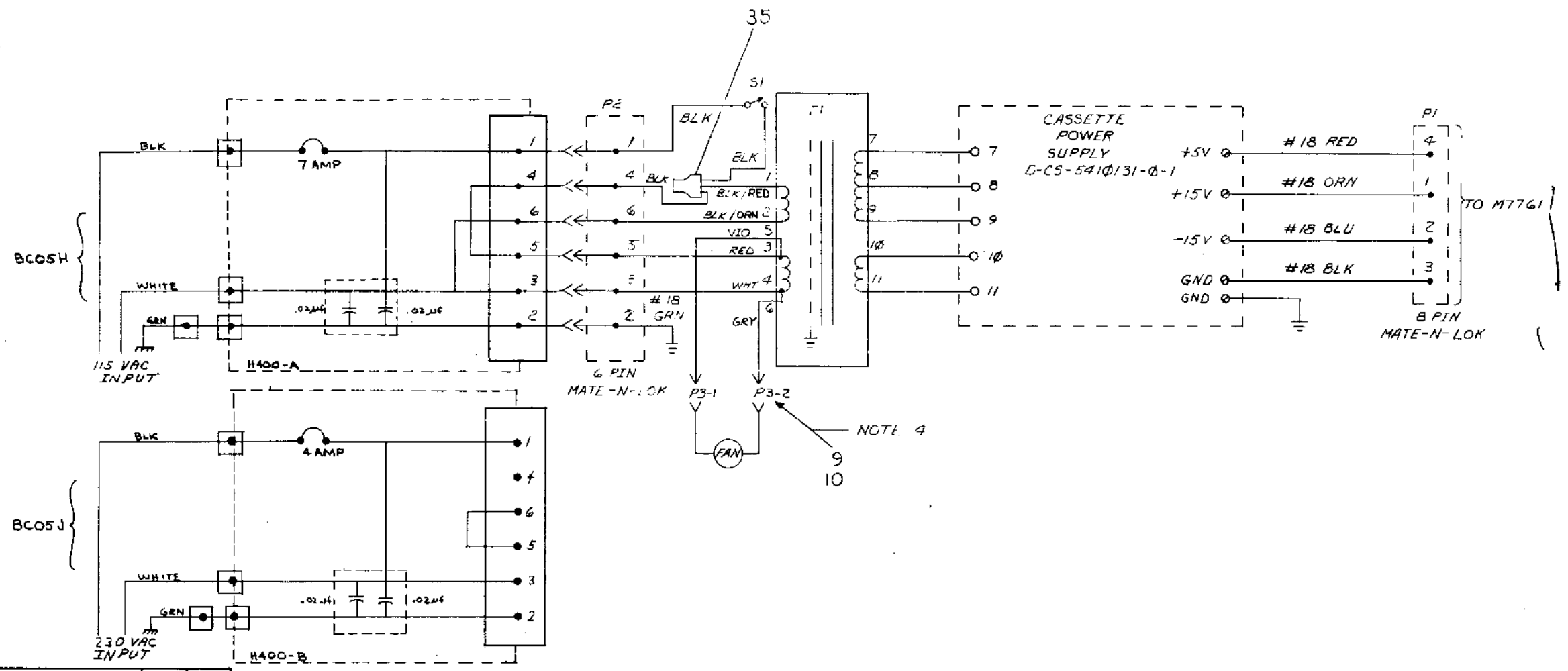


CUSTOMER PRINT SET		ELECTRICAL					CUSTOMER PRINT SET		MECHANICAL						
H751-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	H751-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X		1	D-UA-H751-Ø-Ø	E	2	H751 POWER SUPPLY				1	D-UA-H751-Ø-Ø	#	2	H751 POWER SUPPLY	
X			A-PL-H751-Ø-Ø	E	2	H751 POWER SUPPLY (PL)					A-PL-H751-Ø-Ø	#	2	H751 POWER SUPPLY (PL)	
			E-IA-5310191-0-0		1	CHASSIS, POWER SUPPLY					E-IA-5310191-0-0		1	CHASSIS, POWER SUPPLY	
X			D-CS-H751-Ø-1	B	1	CIRCUIT SCHEMATIC H751									
X			D-CS-5410131-0-1	#	2	CIRCUIT SCHEMATIC									
		2	E-DD-BCØ5H-Ø	#	3	LINE SET									
			C-UA-BCØ5H-Ø-Ø		1	LINE SET BCØ5H (115V)									
			C-UA-BCØ5J-Ø-Ø		1	LINE SET BCØ5J (230V)									
CUSTOMER PRINT SET CODES							TITLE		SIZE CODE		NUMBER		REV		
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED							H751 POWER SUPPLY		B DD		SHEET 3 OF 3		E		

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**NOTES:**

1. WIRES NUMBERED 1-11 ARE TRANSFORMER LEADS.
2. FOR DIAGRAM OF CASSETTE POWER SUPPLY SEE D-CS-541(131)-0-1.
3.  $\text{⊗}$  INDICATES SPLIT LUGS.
4. P3-1 AND P3-2 ARE FASTABS.



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

QTY		REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
FIRST USED ON OPTION MODEL					
h751					
ETCH BOARD REV					
REVISIONS					
CHK	CHANGE NO.	REV	DRN	DATE	DATE
M. LEIS		1		10-1-68	10-23-72
		2		10-23-72	
		3			
SEMICONDUCTOR CONVERSION CHART			TITLE		
DEC NO.	EIA NO.	DEC NO.	EIA NO.	digital EQUIPMENT CORPORATION MAITLAND, MASSACHUSETTS	
				CIRCUIT SCHEMATIC H751	
SCALE			SIZE CODE	NUMBER	REV.
SHEET			H751-Q-1	B	

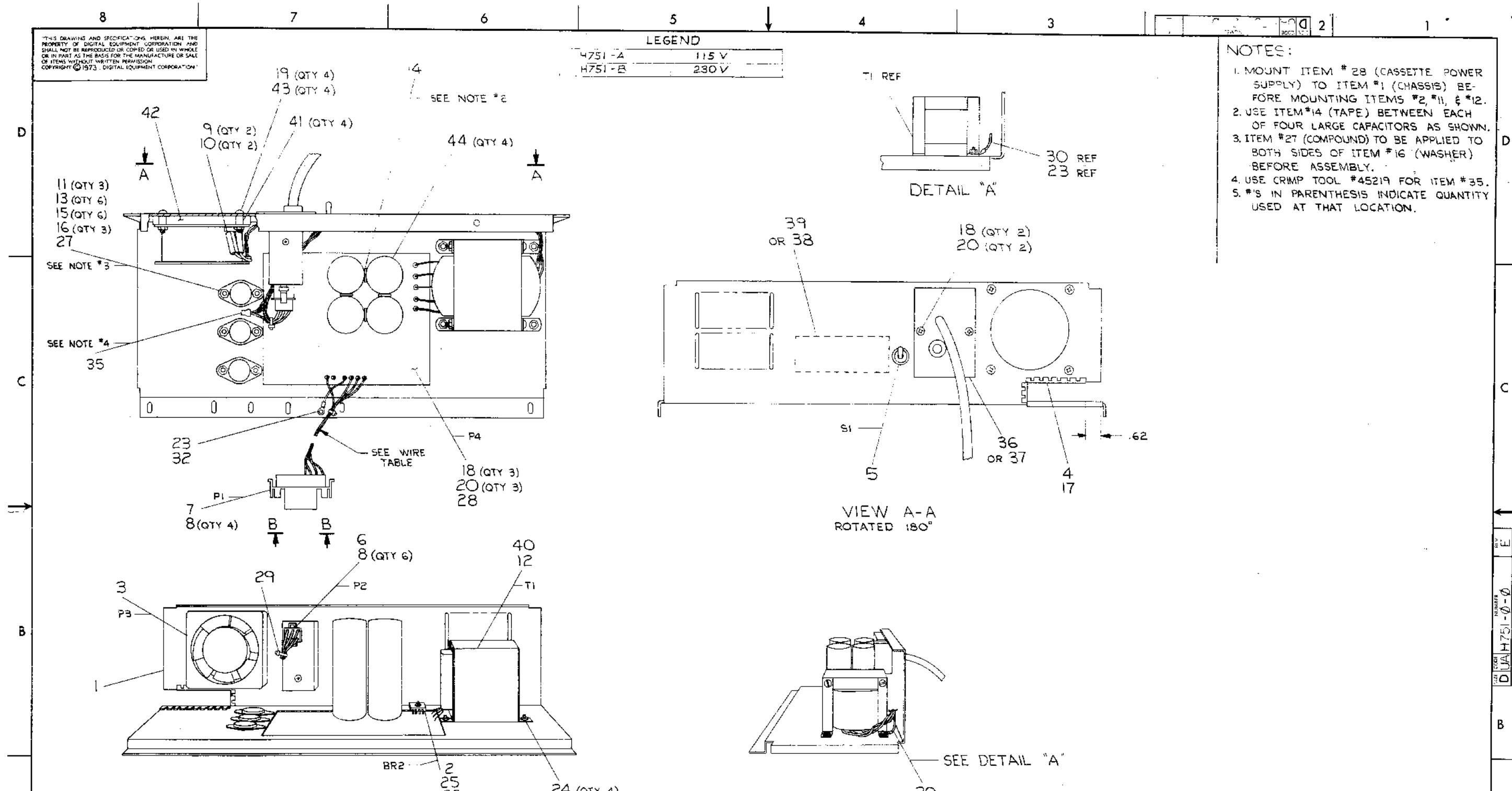
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LEGEND

H751-A	115 V
H751-B	230 V

NOTES:

1. MOUNT ITEM # 28 (CASSETTE POWER SUPPLY) TO ITEM #1 (CHASSIS) BEFORE MOUNTING ITEMS #2, #11, & #12.
2. USE ITEM #14 (TAPE) BETWEEN EACH OF FOUR LARGE CAPACITORS AS SHOWN.
3. ITEM #27 (COMPOUND) TO BE APPLIED TO BOTH SIDES OF ITEM #16 (WASHER) BEFORE ASSEMBLY.
4. USE CRIMP TOOL #45219 FOR ITEM #35.
5. #'S IN PARENTHESIS INDICATE QUANTITY USED AT THAT LOCATION.



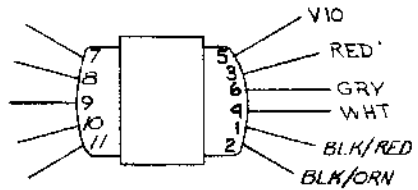
REV	CHANGE NO	DATE	BY	CHK'D
1	0004	10-25-72	L. THOMAS	F. CARBERRY
2	0005	10-25-72	L. THOMAS	F. CARBERRY
3	0006	10-25-72	L. THOMAS	F. CARBERRY
4	0007	10-25-72	L. THOMAS	F. CARBERRY
5	0008	10-25-72	L. THOMAS	F. CARBERRY
6	0009	10-25-72	L. THOMAS	F. CARBERRY
7	0010	10-25-72	L. THOMAS	F. CARBERRY
8	0011	10-25-72	L. THOMAS	F. CARBERRY
9	0012	10-25-72	L. THOMAS	F. CARBERRY
10	0013	10-25-72	L. THOMAS	F. CARBERRY
11	0014	10-25-72	L. THOMAS	F. CARBERRY
12	0015	10-25-72	L. THOMAS	F. CARBERRY
13	0016	10-25-72	L. THOMAS	F. CARBERRY
14	0017	10-25-72	L. THOMAS	F. CARBERRY
15	0018	10-25-72	L. THOMAS	F. CARBERRY
16	0019	10-25-72	L. THOMAS	F. CARBERRY
17	0020	10-25-72	L. THOMAS	F. CARBERRY
18	0021	10-25-72	L. THOMAS	F. CARBERRY
19	0022	10-25-72	L. THOMAS	F. CARBERRY
20	0023	10-25-72	L. THOMAS	F. CARBERRY
21	0024	10-25-72	L. THOMAS	F. CARBERRY
22	0025	10-25-72	L. THOMAS	F. CARBERRY
23	0026	10-25-72	L. THOMAS	F. CARBERRY
24	0027	10-25-72	L. THOMAS	F. CARBERRY
25	0028	10-25-72	L. THOMAS	F. CARBERRY
26	0029	10-25-72	L. THOMAS	F. CARBERRY
27	0030	10-25-72	L. THOMAS	F. CARBERRY
28	0031	10-25-72	L. THOMAS	F. CARBERRY
29	0032	10-25-72	L. THOMAS	F. CARBERRY
30	0033	10-25-72	L. THOMAS	F. CARBERRY
31	0034	10-25-72	L. THOMAS	F. CARBERRY
32	0035	10-25-72	L. THOMAS	F. CARBERRY
33	0036	10-25-72	L. THOMAS	F. CARBERRY
34	0037	10-25-72	L. THOMAS	F. CARBERRY
35	0038	10-25-72	L. THOMAS	F. CARBERRY
36	0039	10-25-72	L. THOMAS	F. CARBERRY
37	0040	10-25-72	L. THOMAS	F. CARBERRY
38	0041	10-25-72	L. THOMAS	F. CARBERRY
39	0042	10-25-72	L. THOMAS	F. CARBERRY
40	0043	10-25-72	L. THOMAS	F. CARBERRY
41	0044	10-25-72	L. THOMAS	F. CARBERRY
42	0045	10-25-72	L. THOMAS	F. CARBERRY
43	0046	10-25-72	L. THOMAS	F. CARBERRY
44	0047	10-25-72	L. THOMAS	F. CARBERRY
45	0048	10-25-72	L. THOMAS	F. CARBERRY
46	0049	10-25-72	L. THOMAS	F. CARBERRY
47	0050	10-25-72	L. THOMAS	F. CARBERRY
48	0051	10-25-72	L. THOMAS	F. CARBERRY
49	0052	10-25-72	L. THOMAS	F. CARBERRY
50	0053	10-25-72	L. THOMAS	F. CARBERRY

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
- J62				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. F. CARBERRY	DATE 9-25-72	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .005	CHK'D. B. MAJOR	DATE 10-25-72		
ANGLES 10° 30'	ENG. LARRY NARHI	DATE 10-25-72	TITLE H751 POWER SUPPLY	
PROF. ENG. Y. LEIS	DATE 10-25-72			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1	PROD. B. GREGORIC	DATE 10-25-72		
MATERIAL	NEXT HIGHER ASSY.			
FINISH	3-00-H751-Z	SIZE CODE	NUMBER	REV.
	SCALE	DUA/H751-0-0		E
	SHEET			

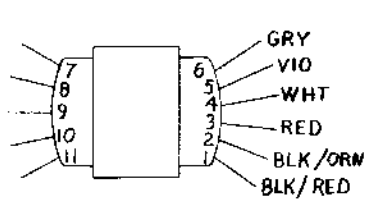
DUA/H751-0-0

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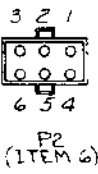
ITEM NO	AWG	COLOR	FROM		TO		REMARKS	LENGTH (IN.)
			CONN	WITH	CONN	WITH		
1	18	BLK	S1-1	—	P2-1	8	DO NOT CUT	18
5	18	BLK	S1-2	—	—	35	SEE NOTE 4	DO NOT CUT
12	18	BLK/RED	T1-1	—	—	—	—	15
32	18	BLK	P2-4	8	—	—	—	3
12	18	VIO	T1-5	—	P3-1	9,10	—	18
12	18	RED	T1-3	—	P2-5	8	—	18
12	18	WHT	T1-4	—	P2-3	8	—	18
30	18	GRN	P2-2	8	GND	23	SEE DETAIL A	16
12	18	GRY	T1-6	—	P3-2	9,10	—	18
12	18	—	T1-7	40	P4-7	SOLDER	—	1/4
12	18	—	T1-8	40	P4-8	SOLDER	—	1/4
2	18	—	T1-9	40	P4-9	SOLDER	—	1/4
12	18	—	T1-10	40	P4-10	SOLDER	—	1/4
12	18	—	T1-11	40	P4-11	SOLDER	—	1/4
31	18	RED	P4 - +5V	SOLDER	P1-A	8	—	16
23	18	ORN	P4 - +15V	SOLDER	P1-1	8	—	16
34	18	BLU	P4 - -15V	SOLDER	P1-2	8	—	16
32	18	BLK	P4 - GND	SOLDER	P1-3	8	—	16
12	18	BLK/ORN	T1-2	—	P2-6	8	—	18
2	—	—	BR2-(+)	40	P4-(+)	SOLDER	—	1
2	—	—	BR2-(-)	40	P4-(-)	SOLDER	—	1
2	—	—	BR2-A	40	P4-A	SOLDER	—	1
2	—	—	BR2-B	40	P4-B	SOLDER	—	1
32	18	BLK	P4 - GND	SOLDER	—	23	—	2



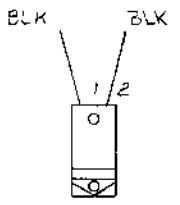
T1 TOP VIEW (ITEM 12)



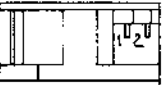
T1 (ALTERNATE VENDOR)



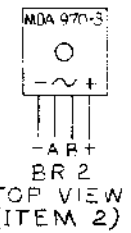
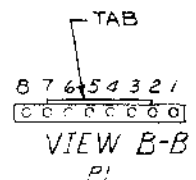
P2 (ITEM 6)



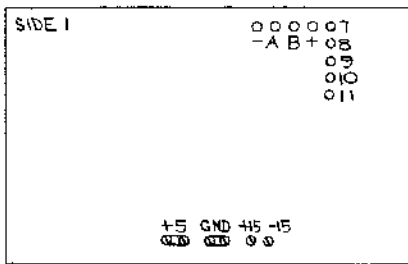
S1 REAR VIEW (ITEM 5)



P3 (ITEM 3) TOP VIEW



BR 2 TOP VIEW (ITEM 2)



P4 (ITEM 28)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
T62		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES: TOLERANCES	DRN	DATE	digital EQUIPMENT CORPORATION	
DECIMALS	CHKD.	DATE	TITLE	
ANGLES	ENG.	DATE	H751	
XXX - 005	PROJ. ENG.	DATE	POWER SUPPLY	
AX - 02	PROD.	DATE	MATERIAL	
X - 1	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE	NEXT HIGHER ASSY.	
			SIZE CODE	NUMBER
			DUA	H751-2-0
			SCALE	REV.
			SHEET 2 OF 2	E

REVISIONS  
 CHANGE NO.  
 CHK  
 REV

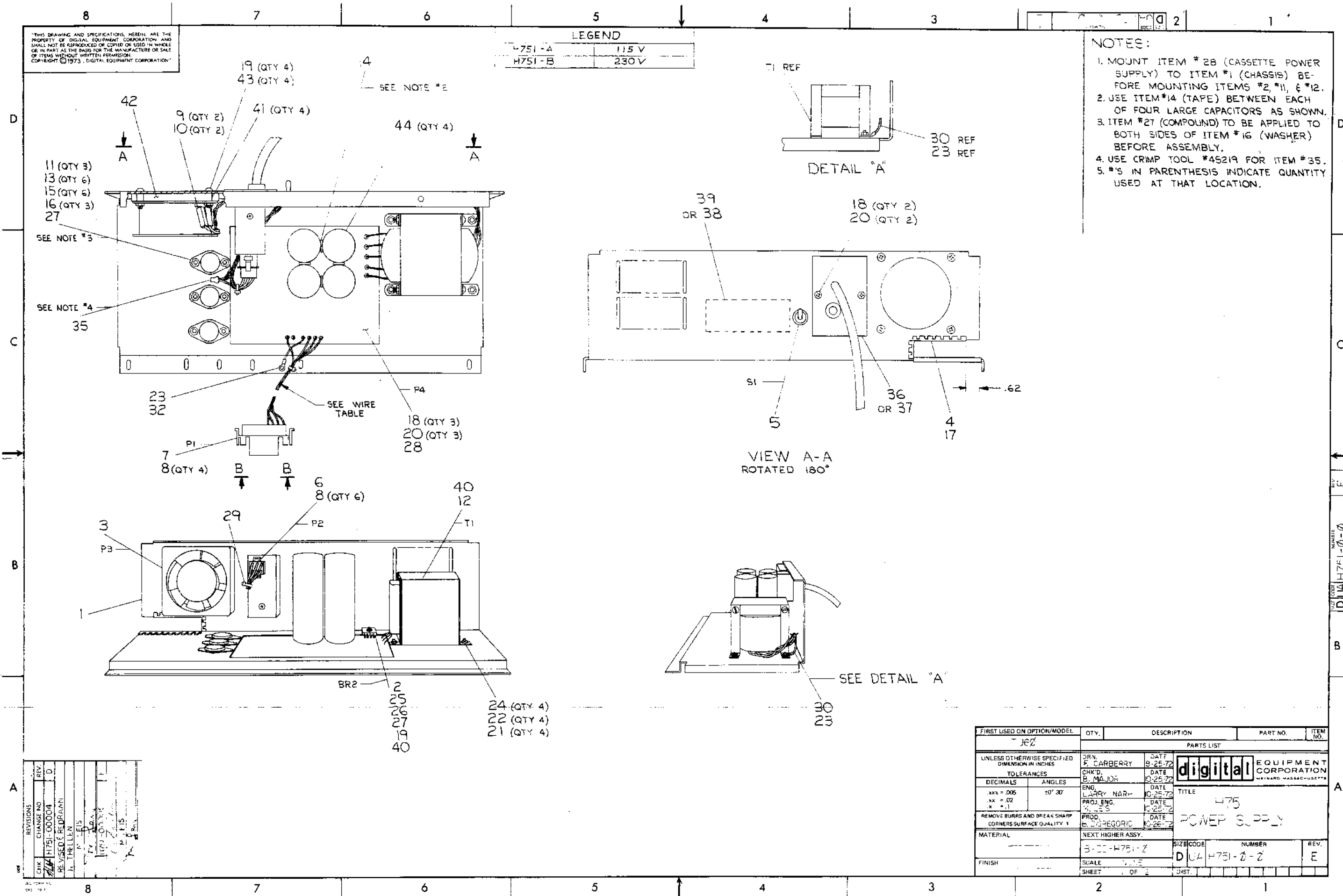
REV. E  
 DUA H751-0-0

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LEGEND	
H751-A	115 V
H751-B	230 V

NOTES:

1. MOUNT ITEM #28 (CASSETTE POWER SUPPLY) TO ITEM #1 (CHASSIS) BEFORE MOUNTING ITEMS #2, #11, & #12.
2. USE ITEM #14 (TAPE) BETWEEN EACH OF FOUR LARGE CAPACITORS AS SHOWN.
3. ITEM #27 (COMPOUND) TO BE APPLIED TO BOTH SIDES OF ITEM #16 (WASHER) BEFORE ASSEMBLY.
4. USE CRIMP TOOL #45219 FOR ITEM #35.
5. #'S IN PARENTHESIS INDICATE QUANTITY USED AT THAT LOCATION.

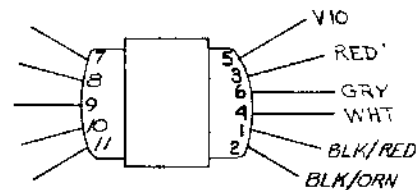


FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. F. CARBERRY	DATE 8-25-72	<div style="display: flex; align-items: center;"> <p><b>DIGITAL</b> EQUIPMENT CORPORATION WAYNARD, MASSACHUSETTS</p> </div>	
TOLERANCES	CHK'D. B. MAJOR	DATE 10-25-72		
DECIMALS ANGLES	ENG. LARRY NARR	DATE 10-25-72		
XXX = .005	PROJ. ENG. M. LES	DATE 10-25-72		
XX = .02	PROD. G. GREGORIO	DATE 10-26-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1	NEXT HIGHER ASSY.		SIZE/ CODE	NUMBER
MATERIAL	3-00-H751-Z		D 04	H751-2-2
FINISH	SCALE NONE		SHEET	OF 2
			TITLE	REV.
			475	E
			POWER SUPPLY	

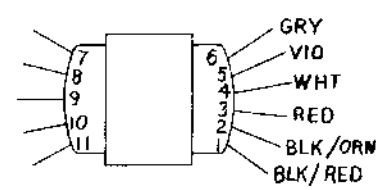
REV.	CHANGE NO.	DATE	BY	APP.
1	00004		H. THILLEN	
2			A. LEIS	
3				
4				
5				

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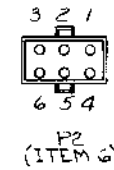
ITEM NO	QTY	COLOR	FROM		TO		REMARKS	LENGTH (IN.)
			CONN	WITH	CONN	WITH		
5	18	BLK	S1-1	—	P2-1	8	DO NOT CUT	15
5	18	BLK	S1-2	—	—	35	SEE NOTE 4	DO NOT CUT
12	18	BLK/RED	T1-1	—	—	—	—	15
32	18	BLK	P2-4	8	—	—	—	3
12	18	VIO	T1-5	—	P3-1	9,10	—	18
12	18	RED	T1-3	—	P2-5	8	—	18
12	18	WHT	T1-4	—	P2-3	8	—	18
30	18	GRN	P2-2	8	GND	23	SEE DETAIL A	18
12	18	GRY	T1-6	—	P3-2	9,10	—	18
12	18	—	T1-7	40	P4-7	SOLDER	—	1/4
12	18	—	T1-8	40	P4-8	SOLDER	—	1/4
2	18	—	T1-9	40	P4-9	SOLDER	—	1/4
12	18	—	T1-10	40	P4-10	SOLDER	—	1/4
12	18	—	T1-11	40	P4-11	SOLDER	—	1/4
31	18	RED	P4 - +5V	SOLDER	P1-4	8	—	16
23	18	ORN	P4 - +15V	SOLDER	P1-1	8	—	16
34	18	BLU	P4 - -15V	SOLDER	P1-2	8	—	16
32	18	BLK	P4 - GND	SOLDER	P1-3	8	—	16
12	18	BLK/ORN	T1-2	—	P2-6	8	—	18
2	—	—	BR2-(+)	40	P4-(+)	SOLDER	—	1
2	—	—	BR2-(-)	40	P4-(-)	SOLDER	—	1
2	—	—	BR2-A	40	P4-A	SOLDER	—	1
2	—	—	BR2-B	40	P4-B	SOLDER	—	1
32	18	BLK	P4 - GND	SOLDER	—	23	—	2



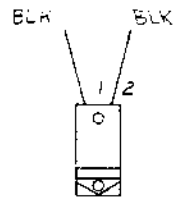
T1 TOP VIEW (ITEM 12)



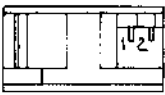
T1 (ALTERNATE VENDOR)



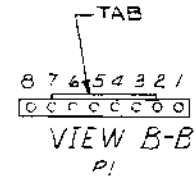
P2 (ITEM 6)



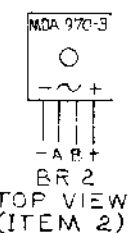
S1 REAR VIEW (ITEM 5)



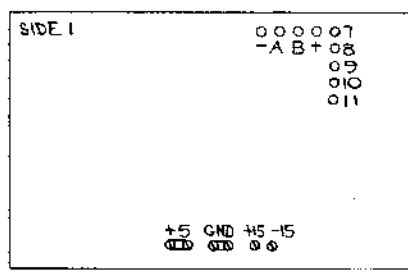
P3 (ITEM 3) TOP VIEW



VIEW B-B P1



TOP VIEW (ITEM 2)



P4 (ITEM 28)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUGZ				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DATE 9/26/73	DATE 9/26/73	<b>digital</b> EQUIPMENT CORPORATION NANTUCKET MASSACHUSETTS TITLE <b>H751</b> <b>POWER SUPPLY</b>	
DECIMALS .XX - .02	DATE 11-28-73	DATE 11-28-73		
ANGLES ±0° 30'	DATE 11-28-73	DATE 11-28-73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	DATE 11/28/73	DATE 11/28/73		
MATERIAL	PROJ. ENG.	DATE	SCALE	REV
FINISH	PROJ. ENG.	DATE	SCALE	REV
NEXT HIGHER ASSY.		DATE	SCALE	REV
SHEET 2 OF 2		DATE	SCALE	REV
DUA H751-2-0		DATE	SCALE	REV

REVISIONS  
 CHANGE NO.  
 REV.

SIZE CODE  
 DUAH751-0-0

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION											
PARTS LIST					H751-A	H751-B										
MADE BY	CHECKED	SECTION	DATE	ISSUED SECT.												
MADE BY F. CARBERRY	CHECKED W. MAJOR	SECTION	DATE 9/19/72	1												
ENG <i>Larry Nally</i>	PROD <i>Cal Mc...</i>	ISSUED SECT.	DATE 10/26/72	1												
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION														
1	E-IA-5310191-0-0	CHASSIS, POWER SUPPLY			1	1										
2	1110208	DIODE ARRAY MDA970-3 (BR2)			1	1										
3	1210719	FAN, BOXER 115V, 25-35 CUFT			1	1										
4	9007036	GROMMET, CATERPILLAR			A/R	A/R										
5	1203376	SWITCH, TOGGLE 3PST			1	1										
6	1209351-06	CONNECTOR, MATE-N-LOCK 6 PIN			1	1										
7	1209340-01	CONNECTOR, MATE-N-LOK 8 PIN			1	1										
8	1209378-01	PIN, MATE-N-LOK			10	10										
9	1210820-01	MINI-FASTAB, HOUSING #1-480417-0			2	2										
10	1210820-02	MINI-FASTAB, PIN #60291-1			2	2										
11	1505819	TRANSISTOR, 2N3055 (Q2, Q3, Q4)			3	3										
12	1611096	TRANSFORMER, MMC 4565-1/T72105 (T1)			1	1										
13	9006012-1	SCR, #4-40 x 7/16, PHL PAN HD			6	6										
14	9007834	TAPE, DOUBLE SIDED, 1/2 INCH			A/R	A/R										
15	9006557	KEP NUT #4			6	6										
16	9006721	WASHER, INSULATING			3	3										
17		LOCTITE, IS-150			A/R	A/R										
18	9006633	LOCK WASHER #6, INT TOOTH			5	5										
19	9008185	KEP NUT #6			5	5										
20	9006020-1	SCR, 6-32 x 1/4, PHL PAN HD			5	5										
21	9006039-1	SCR, 8-32 x 1/2, PHL PAN HD			4	4										
22	9006666	WASHER, FLAT, #8			4	4										
TITLE H751 POWER SUPPLY			ASSY NO. D-UA-H751-0-0	SIZE CODE A PL	NUMBER H751-0-0			REV. E	ECO NO. H751-00005							
			SHEET 1 OF 2	DIST.												

DEC FORM DEC 16 (325) 1031-N870  
DRA 110

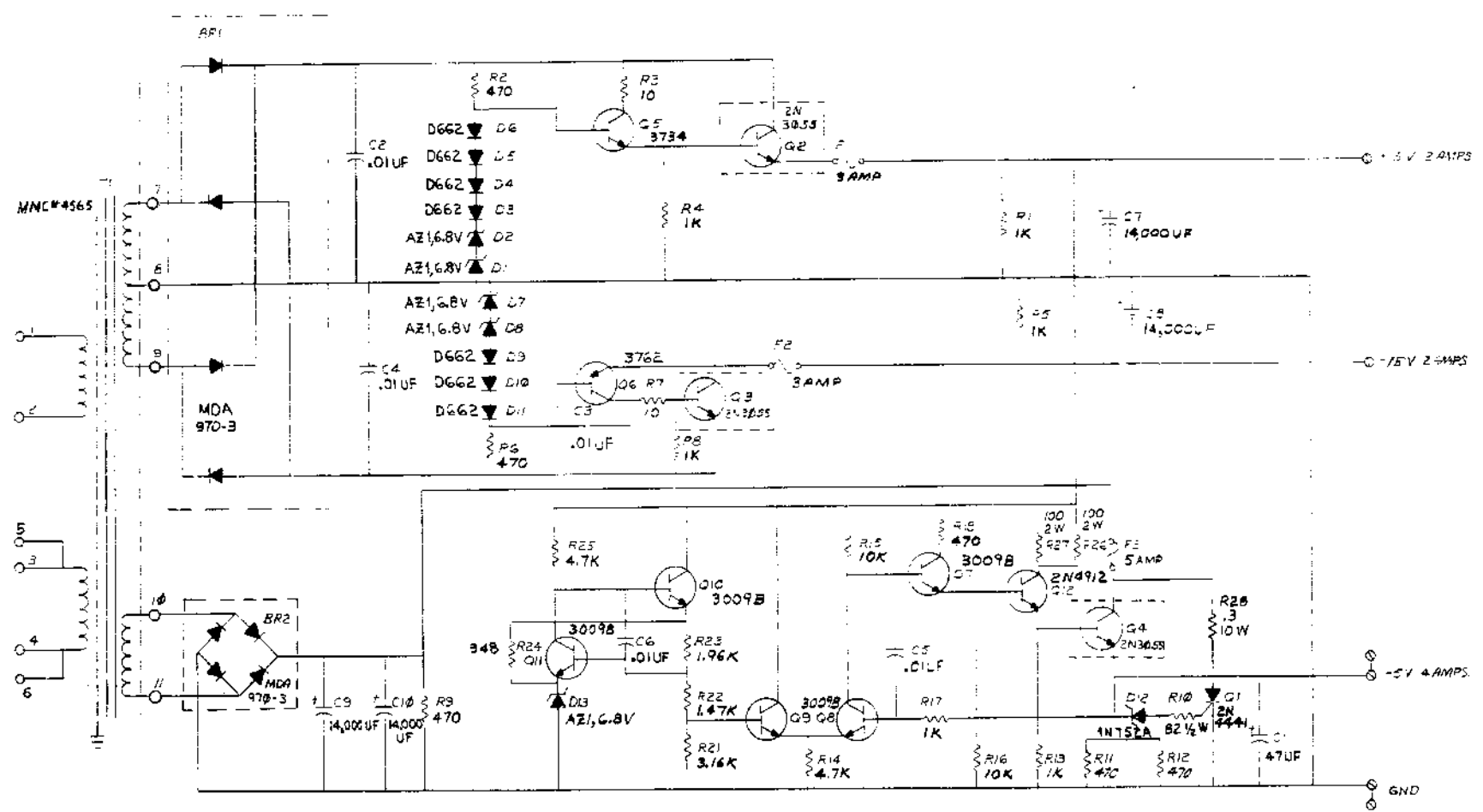
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION											
PARTS LIST					H751-A	H751-B										
MADE BY	CHECKED	SECTION	DATE	ISSUED SECT.												
MADE BY F. CARBERRY	CHECKED W. MAJOR	SECTION	DATE 9/19/72	1												
ENG <i>Larry Nally</i>	PROD <i>Cal Mc...</i>	ISSUED SECT.	DATE 10/26/72	1												
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION														
23	9006776	CONN, SOLDERLESS, AMP #31889			2	2										
24	9006563	KEP NUT, #8			4	4										
25	9007793-1	SCR, #6-32 x 9/16, PHL PAN HD			1	1										
26	9006656	WASHER, FLAT, #6			1	1										
27	9008268	COMPOUND, THERMAL JOINT			A/R	A/R										
28	D-CS-5410131-0-1	CASSETTE POWER SUPPLY			1	1										
29	9007031	CABLE TIE, PANDUIT, SST 1 M			A/R	A/R										
30	9107360-55	WIRE, #18 AWG STRD, IPVC, GRN			A/R	A/R										
31	9107360-22	WIRE, #18 AWG, STRD, IPVC, RED			A/R	A/R										
32	9107360-00	WIRE, #18 AWG, STRD, IPVC, BLK			A/R	A/R										
33	9107360-33	WIRE, #18 AWG, STRD, IPVC, ORN			A/R	A/R										
34	9107360-66	WIRE, #18 AWG, STRD, IPVC, BLU			A/R	A/R										
35	9009541	SPLICE, CLOSED END AMP #36965			1	1										
36	C-UA-BC05H-0-0	LINE CORD SET, 115VAC			1											
37	C-UA-BC05J-0-0	LINE CORD SET, 230VAC				1										
38	A-DC-5310297-0-0	H751-A DECAL (115V)			1											
39	A-DC-5310298-0-0	H751-B DECAL (230V)				1										
40	9107278-00	TUBING, BLACK, TFE #18 AWG			A/R	A/R										
41	9007615	1/4 X 1/4 X 6 ROUND FIBER SPACER			4	4										
42	A-PS-1211343+0-0	FILTER			1	1										
43	9006025-1	SCR, 6-32 X 5/8 PHL. PAN HD.			4	4										
44	1011023	CAP, 14000 UF, 20V, (C7, C8, C9, C10)			4	4										
TITLE H751 POWER SUPPLY			ASSY NO. D-UA-H751-0-0	SIZE CODE A PL	NUMBER H751-0-0			REV. E	ECO NO.							
			SHEET 2 OF 2	DIST.												

DEC FORM DEC 16 (325) 1031-N870  
DRA 110





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○ INDICATES HOLES FOR DIODE BRIDGE  
 Q2, Q3, Q4, BR2 & T1 ARE MOUNTED ON  
 CHASSIS/HEAT SINK

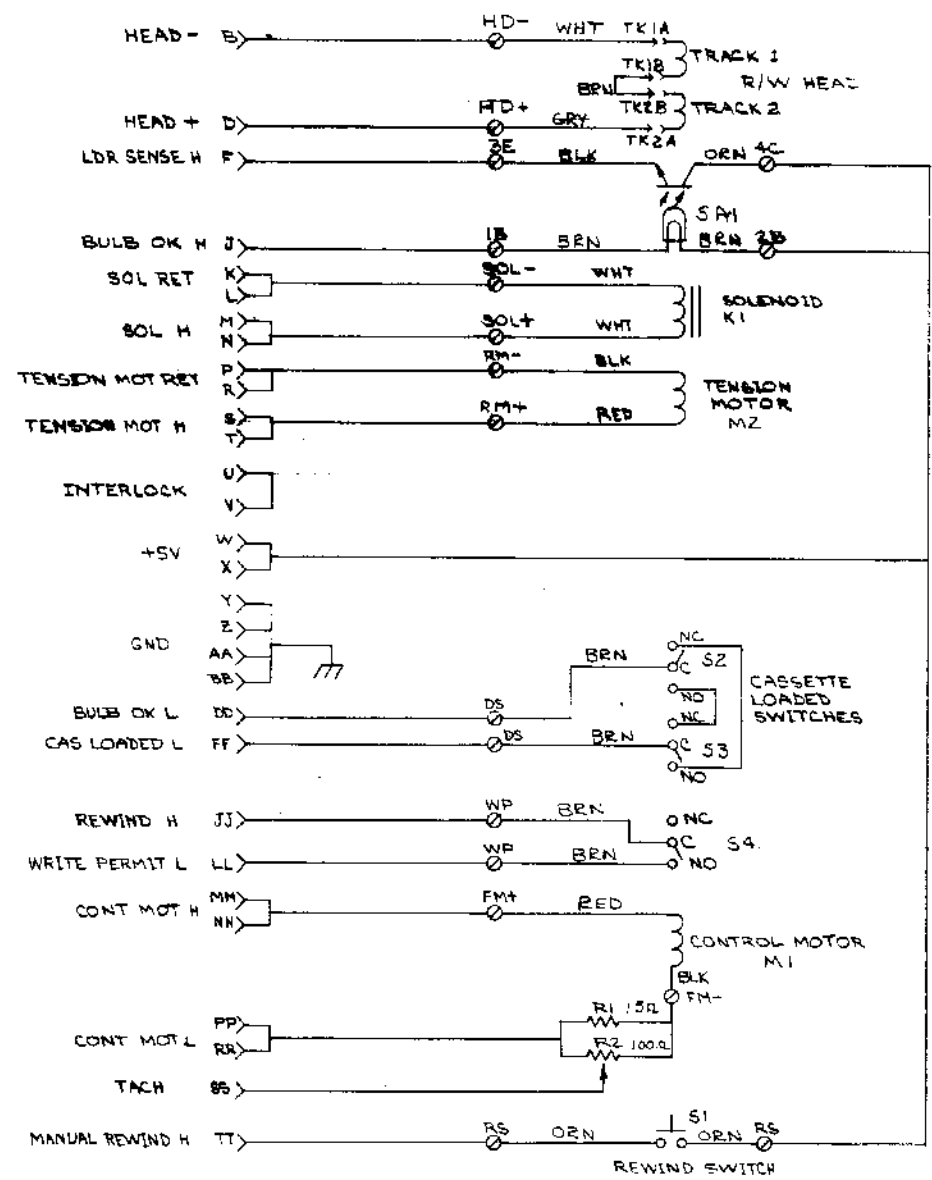
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV C				
CHK	CHANGE NO.	REV	DATE	BY
			7-25-72	B. Blumstein
			7-26-72	WHILEY MOORE
			7-27-72	George Thibault
			7-28-72	George Thibault
				George Thibault
				George Thibault
				George Thibault
				George Thibault
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE
				1"
SEMICONDUCTOR CONVERSION CHART				
SHEET 2 OF 2		TITLE		NUMBER
		CASSETTE POWER SUPPLY		DCS 5410131-0-1
DRAFT				

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CM-7-0371 CM 2

- NOTES:
- SWITCHES ARE SHOWN WITH "CAS LOADED" AND "WRITE PERMIT" ACTIVATED.
  - CONNECT WIRE (ITEMS #44 & #45) TO HEAD (ITEM #20) USING CONNECTOR PINS SUPPLIED WITH HEAD (ITEM #20). SEE DETAIL "A".



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN CHK'D ENG. PROJ. ENG. PRGD.	DATE 10/13/72 12/21/72 11/27/72 12/27/72 11/1/73	 digital EQUIPMENT CORPORATION WATFORD, MASSACHUSETTS
DECIMALS	ANGLES			
XXX - 005	±0'30"			TITLE
XX - 02				CASSETTE DRIVE
X - 1				WIRING DIAGRAM
REMOVE BURRS AND BREAK SHARP EDGES TO SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.			
	S-UU-TU60-0	SIZE CODE	NUMBER	REV
FINISH	SCALE		DWD TU60-0-WD	
	SHEET 1 OF 1	DIST.		

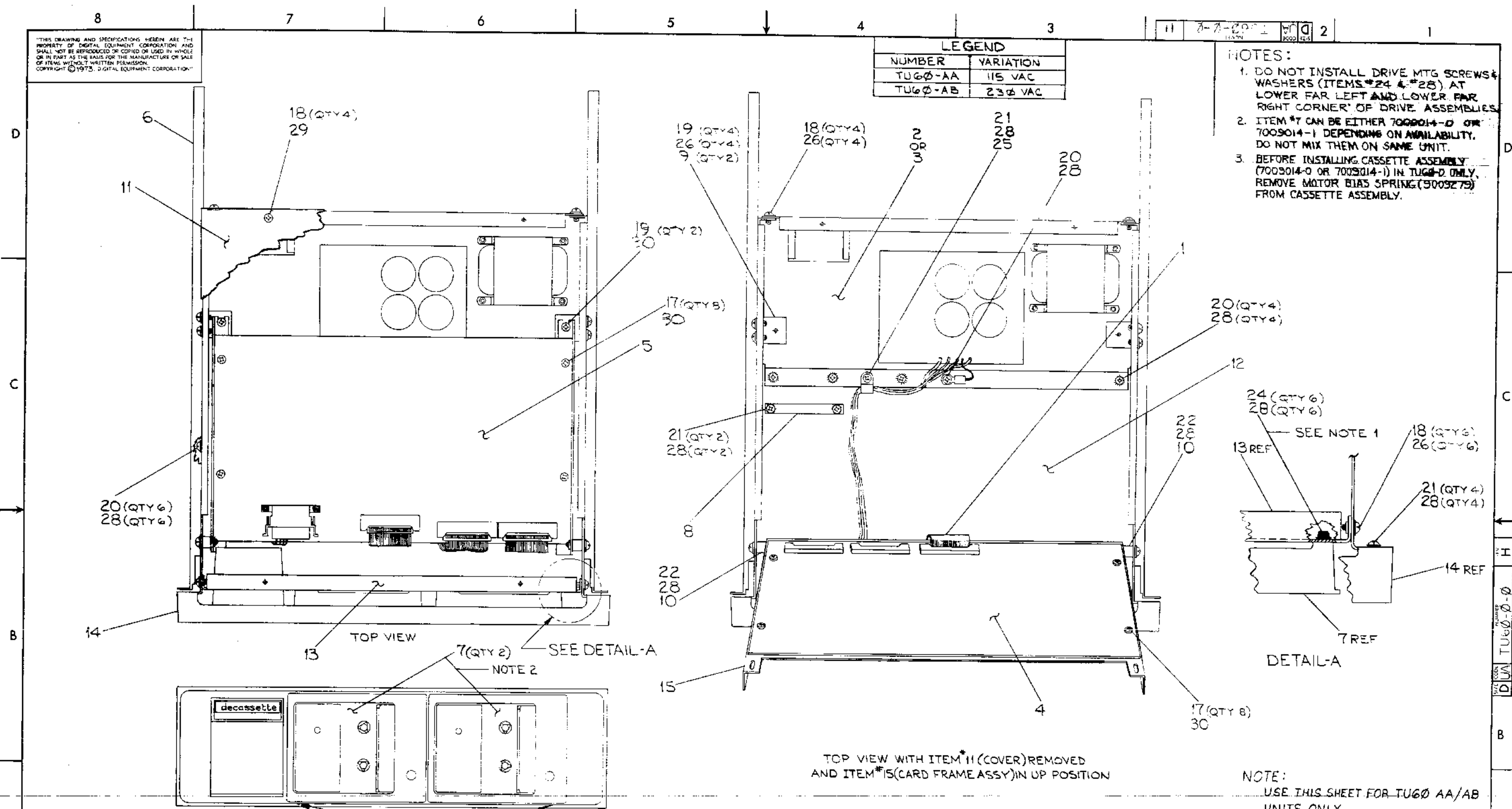
BRUNING 40-522 1548B  
DEC 1972  
REV. 1  
CHANGE NO.

DATE CON. 01/10/73 BY DWD/TU60-0-WD

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LEGEND	
NUMBER	VARIATION
TU60-AA	115 VAC
TU60-AB	230 VAC

- NOTES:
- DO NOT INSTALL DRIVE MTG SCREWS & WASHERS (ITEMS \*24 & \*28) AT LOWER FAR LEFT AND LOWER FAR RIGHT CORNER OF DRIVE ASSEMBLIES.
  - ITEM \*7 CAN BE EITHER 7009014-0 OR 7009014-1 DEPENDING ON AVAILABILITY. DO NOT MIX THEM ON SAME UNIT.
  - BEFORE INSTALLING CASSETTE ASSEMBLY (7009014-0 OR 7009014-1) IN TU60-D ONLY, REMOVE MOTOR BIAS SPRING (3009279) FROM CASSETTE ASSEMBLY.



NOTE:  
USE THIS SHEET FOR TU60 AA/AB  
UNITS ONLY.

REV	CHG	NO.	DATE	BY	DESCRIPTION
1					TU60-00012 REDRAWN & REVISED
2					T. A. PLOURDE
3					A. PLOURDE
4					TU60-00013
5					8.11.73 H. DRAB
6					5.7.77
7					TU60-00014
8					H. DRAB
9					H. DRAB
10					TU60-00017
11					H. DRAB
12					H. DRAB
13					TU60-00019
14					H. DRAB
15					TU60-00016
16					H. DRAB
17					H. DRAB
18					H. DRAB
19					H. DRAB
20					H. DRAB
21					H. DRAB
22					H. DRAB
23					H. DRAB
24					H. DRAB
25					H. DRAB
26					H. DRAB
27					H. DRAB
28					H. DRAB
29					H. DRAB
30					H. DRAB
31					H. DRAB

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
TU60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES			
.xxx = .005	10° 30'			
.xx = .02				
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH			SCALE	SHEET OF 4
DIST.			REV.	H

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TU60 UNIT ASSY

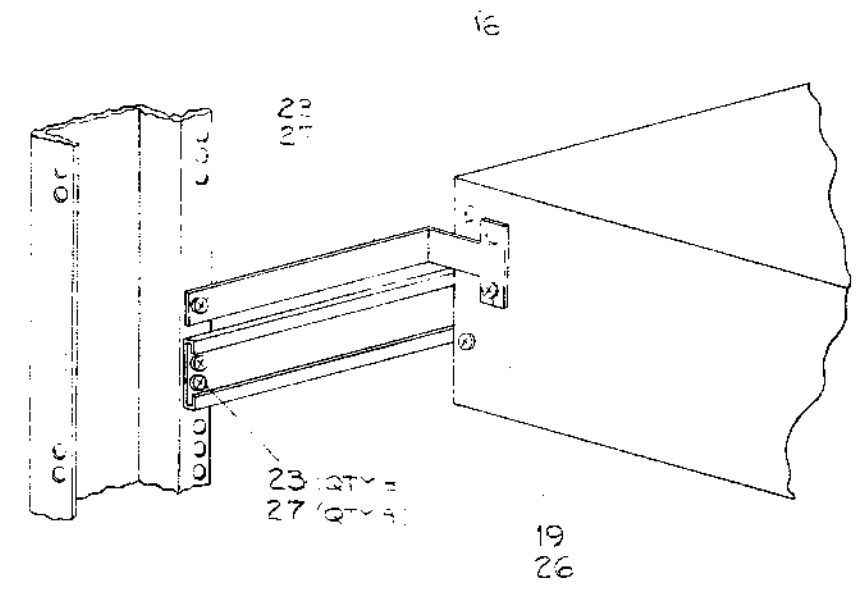
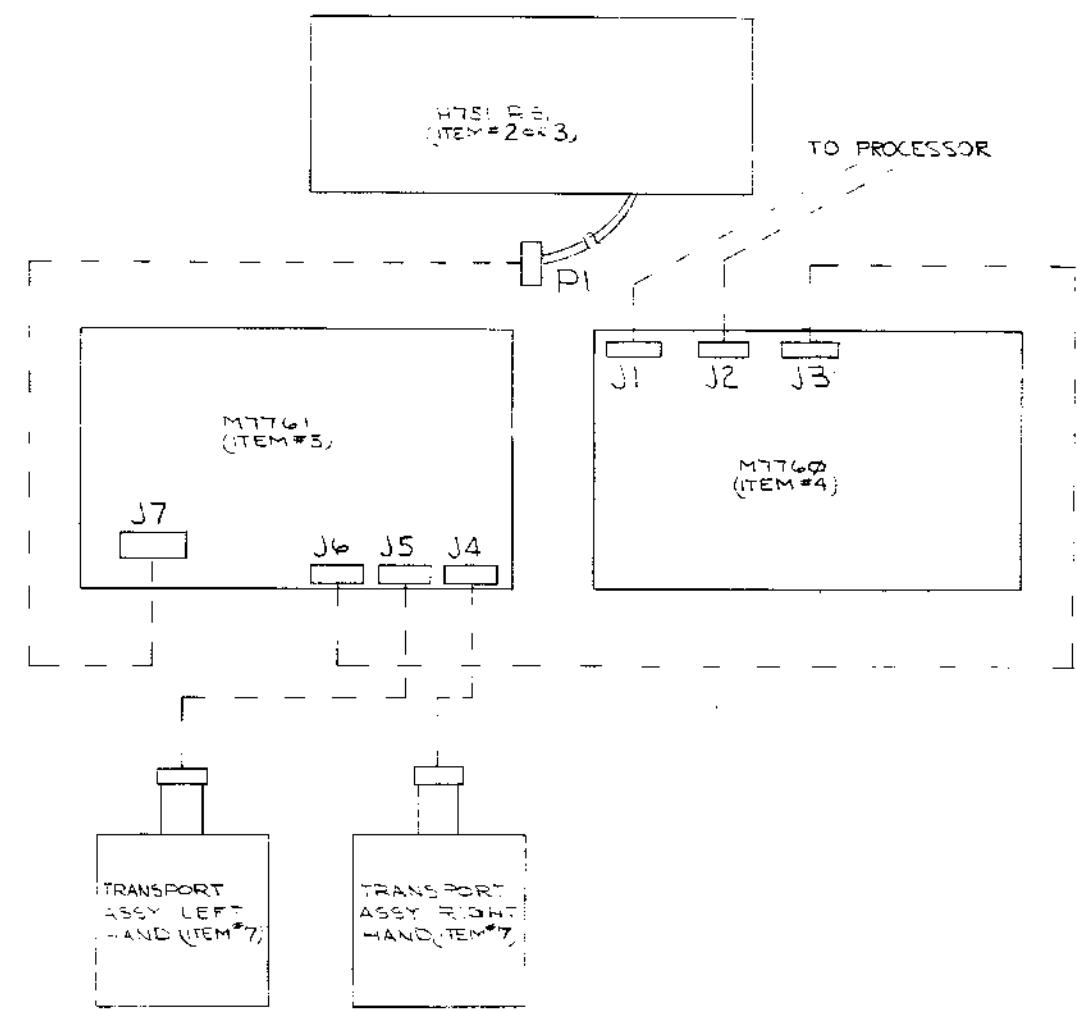
SIZE CODE: D U4  
NUMBER: TU60-2-0  
REV: H

8 7 6 5 4 3 2 1

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ASSY CONNECTIONS			
FROM		TO	
ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
2 OR 3	H751 P.S.-PI	5	M7761-J7
7	TRANSPORT ASSY LEFT	5	M7761-J5
7	TRANSPORT ASSY RIGHT	5	M7761-J4

CABLE CONNECTIONS		
ITEM NO	FROM	TO
1	M7761-J6	M7760-J3



NOTE:  
 USE THIS SHEET FOR TU60 AA/AB  
 UNITS ONLY.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	<b>digital</b> EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS TITLE <b>TU60 UNIT ASSY</b>	
DECIMALS	CHK'D	DATE		
ANGLES	ENG	DATE		
XXX - .005	PROF. ENG	DATE		
XX - .01	PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
MATERIAL	SCALE		DUA	TU60-0-0
FINISH	SHEET OF 4		DIST	REV H

REVISIONS  
 CHANGE NO. REV.

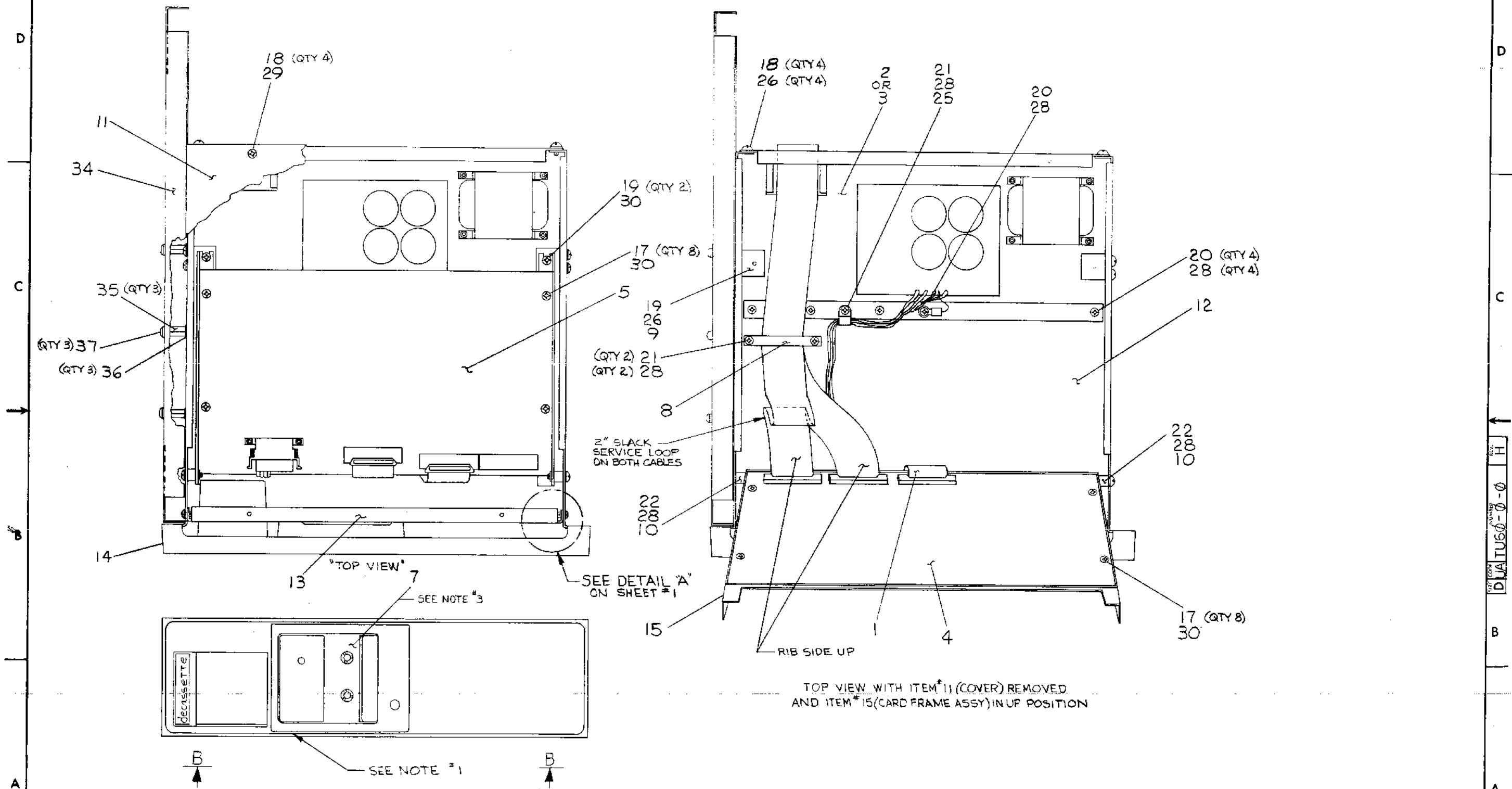
8 7 6 5 4 3 2 1

SIZE CODE NUMBER  
 DUA TU60-0-0

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LEGEND	
NUMBER	VARIATION
TU60-DA	115 VAC
TU60-DB	230 VAC

H 1-0-0911 2



TU60-DA/DB ONLY

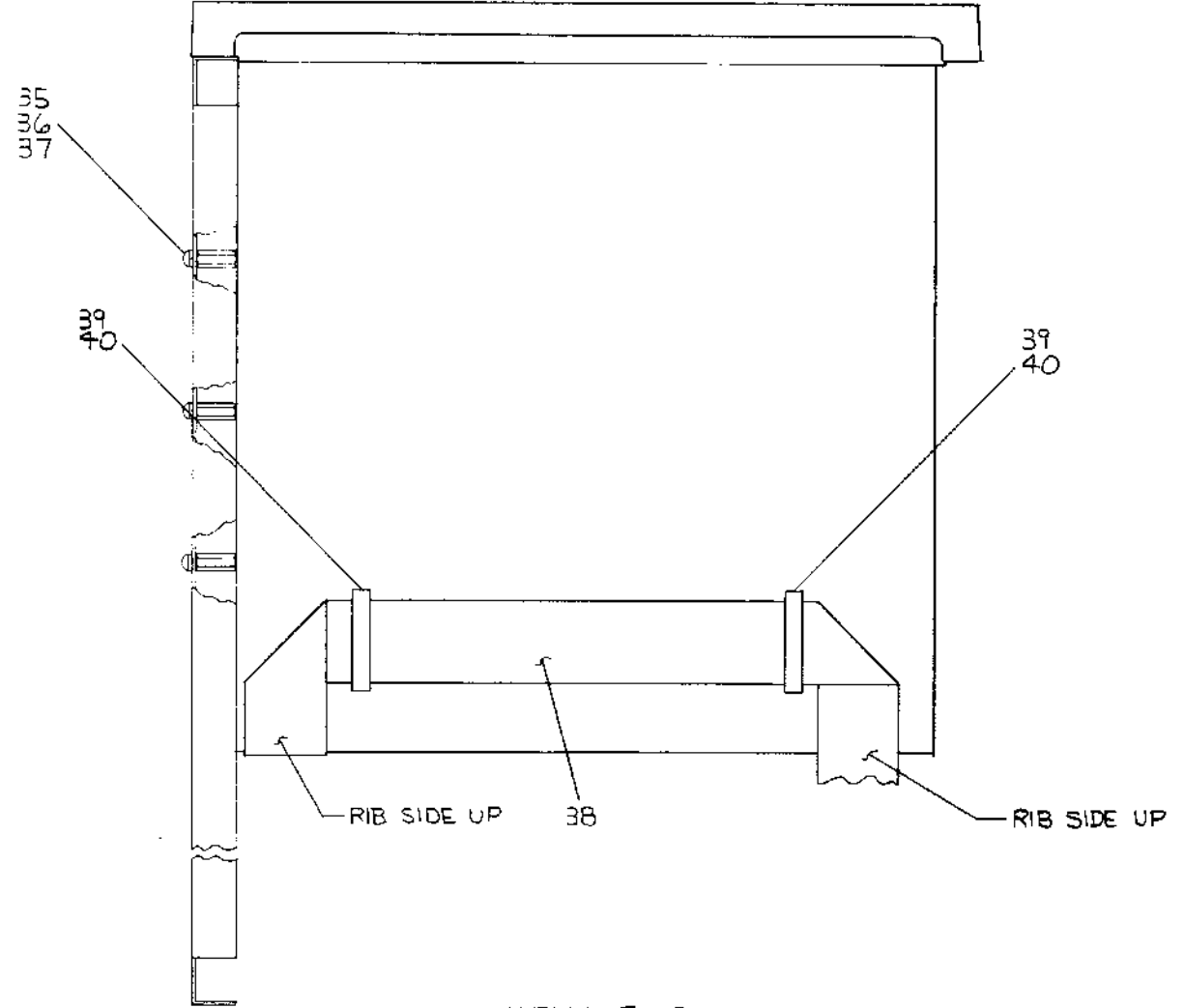
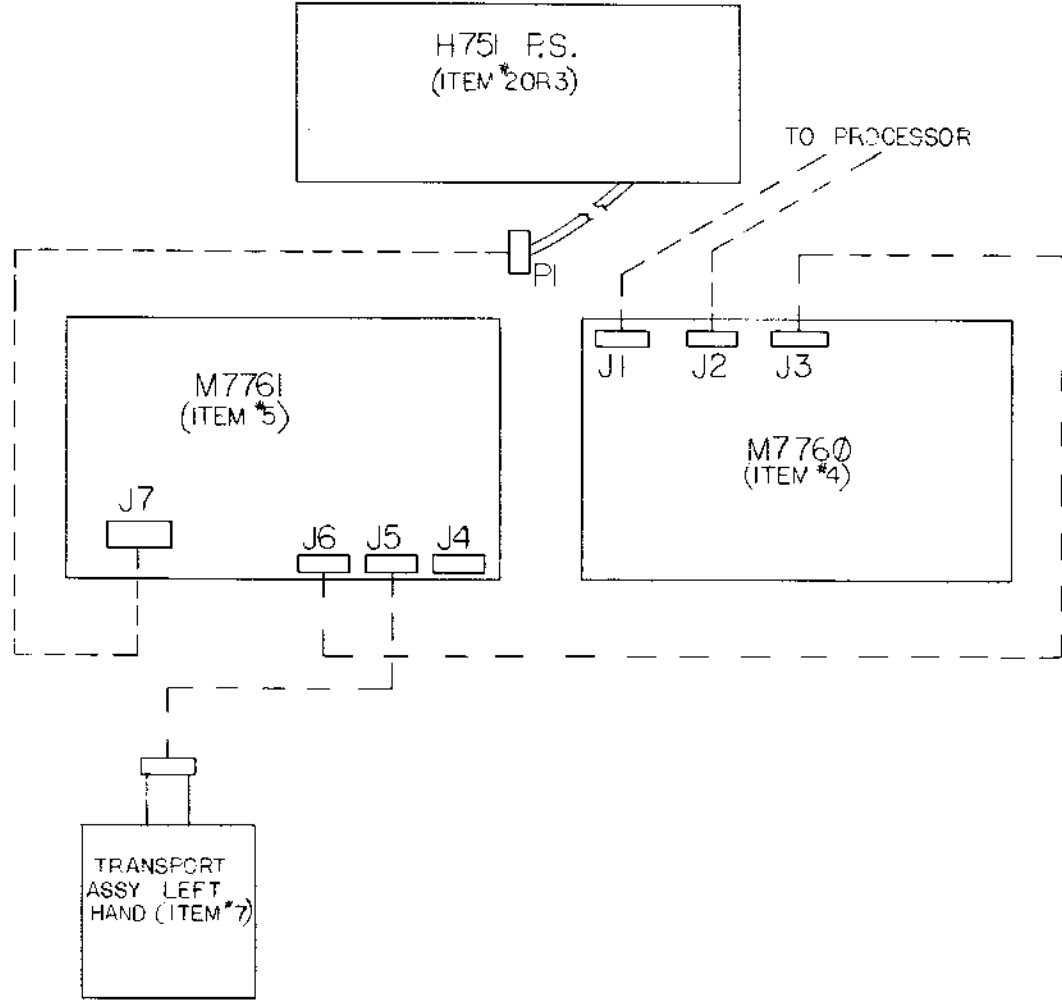
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
TU60 UNIT ASSY	D UA	TU60-0-0	H
SCALE	SHEET	OF	
	3	4	

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ASSY CONNECTIONS			
FROM		TO	
ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
20R3	H75I P.S. PI	5	M776I - J7
7	TRANSPORT ASSY LEFT	5	M776I - J5

CABLE CONNECTIONS		
ITEM NO	FROM	TO
1	M776I - J6	M7760 - J3



NOTE: USE THIS PRINT FOR TUG2-DA/DB UNITS ONLY.

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
TRANSPORT ASSY	D JA TUG2 - C - 0	H	H
SCALE	SHEET 1 OF 1	DIST.	

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>					QUANTITY / VARIATION																	
MADE BY G. Flanders		CHECKED W. Major		SECTION		TU60-AA	TU60-AB	TU60-DA	TU60-DB													
DATE 12/20/73		DATE 1/3/73		1																		
ENG M. Leis		PROD M. Leis		ISSUED SECT.																		
DATE 1/12/73		DATE 1/12/73		1																		
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																				
1	D-UA-BC05L-0-0	CABLE, JUMPER				1	1	1	1													
2	D-UA-H751-A	H751 POWER SUPPLY (115V)				1	-	1	-													
3	D-UA-H751-B	H751 POWER SUPPLY (230V)				-	1	-	1													
4	D-CS-M7760-0-1	TU60 LOGIC				1	1	1	1													
5	D-CS-M7761-0-1	READ/WRITE AND SERVO				1	1	1	1													
6	D-PS-1209154-0-0	CHASSIS-TRAK (PAIR)				1	1	-	-													
7	D-AD-7009014-0-0	TRANSPORT ASSY (TU60) (SEE NOTE 2 ON UA)				2	2	1	1													
8	C-MD-7409479-0-0	PLATE, PRESSURE				1	1	1	1													
9	C-MD-7409904-0-0	BRACKET, SYMMETRICAL				2	2	2	2													
10	B-MD-7409933-0-0	BUSHING, PIVOT				2	2	2	2													
11	E-MD-7409941-0-0	COVER, CHASSIS				1	1	1	1													
12	E-IA-7409943-0-0	CHASSIS (TU60)				1	1	1	1													
13	D-IA-74009990-0-0	PLATE, CHASSIS, FRONT (TU60)				1	1	1	1													
14	D-IA-7410556-0-0	BEZEL ASSY				1	1	1	1													
15	D-IA-7410604-0-0	CARD FRAME ASSY				1	1	1	1													
16	C-MD-7410690-0-0	BRACKET, SHIPPING				1	1	-	-													
17	9006020-1	SCR, PHL PAN HD #6-32 x 1/4 LG				16	16	16	16													
18	9006020-3	SCR, PHL TRUSS HD #6-32 x 1/4 LG				14	14	14	14													
19	9006021-3	SCR, PHL TRUSS HD #6-32 x 5/16 LG				7	7	6	6													
20	9006035-3	SCR, PHL TRUSS HD #8-32 x 1/4 LG				11	11	5	5													
21	9006037-3	SCR, PHL TRUSS HD #8-32 x 3/8 LG				7	7	7	7													
22	9006040-3	SCR, PHL TRUSS HD #8-32 x 5/8 LG				2	2	2	2													
TITLE TU60 UNIT ASSY					ASSY NO. D-UA-TU60-0		SIZE CODE A PL		NUMBER TU60-0-0		REV. H		ECO NO. TU60-00019									
					SHEET 1 OF 2		DIST.															

DEC FORM DEC 16 (325) 1031-N870  
DRA 110

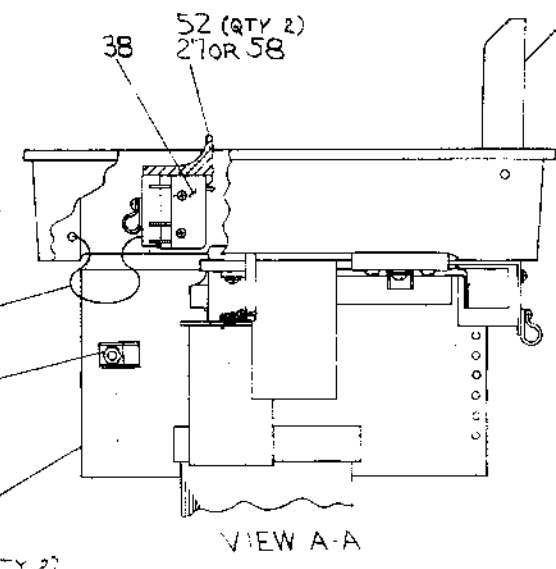
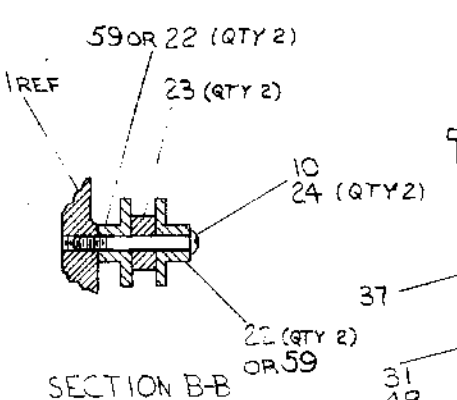
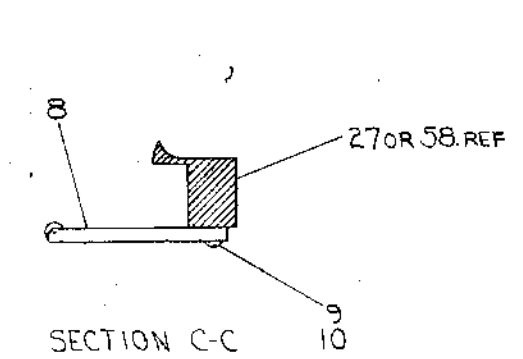
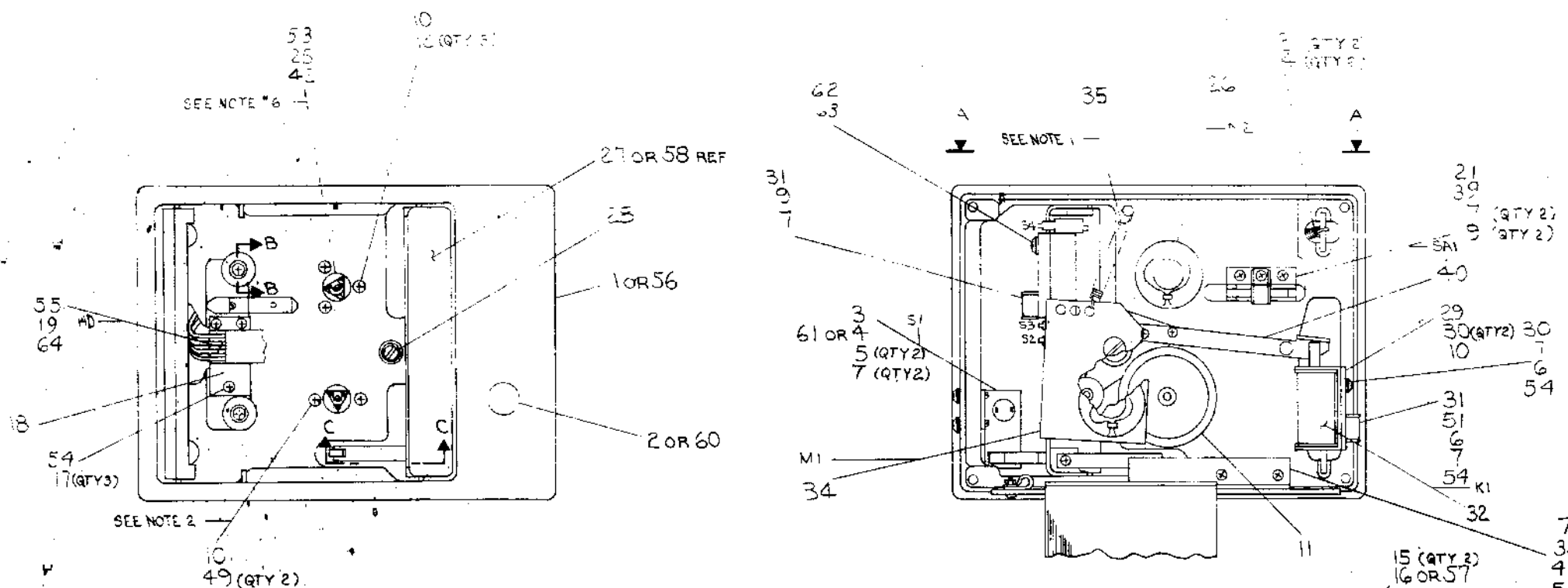
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>					QUANTITY / VARIATION																		
MADE BY G. Flanders		CHECKED W. Major		SECTION		TU60-AA	TU60-AB	TU60-DA	TU60-DB														
DATE 12/20/73		DATE 1/3/72		1																			
ENG M. Leis		PROD M. Leis		ISSUED SECT.																			
DATE 1/12/73		DATE 1/12/73		1																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																					
23	9006071-3	SCR, PHL TRUSS HD #10-32 x 3/8 LG				9	9	-	-														
24	9006337-8	SCR, SOCKET HD #8-32 x 3/8 LG				6	6	3	3														
25	9007080	CABLE CLAMP 3/16				1	1	1	1														
26	9007649	LOCKWASHER #6 EXT TOOTH				15	15	14	14														
27	9007786	NUT, #10-32 TINNED				9	9	-	-														
28	9008072	LOCKWASHER #8 EXT TOOTH				26	26	17	17														
29		LOCTITE 242				A/RA	RA	RA	RA	R													
30		TORQUE SEAL				A/RA	RA	RA	RA	R													
31	3611226	DEC 150 CASSETTE				2	2	1	1														
32	A-SP-3700061-0-0	PACKAGING INSTRUCTIONS TU60 CUSTOMER				1	1	1	1														
33	A-SP-3700133-0-0	PACKAGING INSTRUCTIONS TU60 INTERPLANT				1	1	1	1														
34	D-MD-7417654-0-0	HANGER, TA36				-	-	1	1														
35	9000001-03	STANDOFF, MALE/FEMALE #8-32 x 1.0				-	-	3	3														
36	9006662	WASHER, FLAT #8				-	-	3	3														
37	9008304	SCREW, BUTTON HD. #8-32 x .38				-	-	3	3														
38	BC08R-06	CABLE, FLAT 40 COND. WITH CONN.				-	-	2	2														
39	1213715	CLIP, 40 COND. FLAT CABLE (038-0250)				-	-	2	2														
40	1213716	PAD, FOAM FOR FLAT CABLE CLIP (040-0250)				-	-	2	2														
TITLE TU60 UNIT ASSY					ASSY NO. D-UA-TU60-0		SIZE CODE A PL		NUMBER TU60-0-0		REV. H		ECO NO.										
					SHEET 2 OF 2		DIST.																

DEC FORM DEC 16 (325)-1031-N870

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NUMBER	VARIATION
1009014 0	SAND CASTING
10090 1	DIE CASTING

- NOTES:
1. SET SPRING TENSION 45/55 GRAMS MEASURED ON ROCKER ASSY LEVER AT POSITION WHERE SOLENOID STRIKES LEVER. TRANSPORT MUST BE IN OPERATING POSITION.
  2. TIGHTEN SCR (ITEM #49) TO 6 INCH-POUNDS OF TORQUE.
  3. ~~TRIM LEADS OF ITEM #50 TO 38 LONG BEFORE SOLDING TO ITEM #30.~~
  4. SEE DETAILS B, C & D TO LOCATE ITEM #47 (CABLE TIES).
  5. CABLE WILL BE LACED SO AS NOT TO INHIBIT FREE MOTION OF LOCK-BAR #27.
  6. ITEM #53 TO BE USED BETWEEN MOTOR SHAFT AND I.D. OF COUPLING. APPLY LOCTITE TO I.D. OF COUPLING AND SLIP ON MOTOR SHAFT. BE SURE LOCTITE DOES NOT RUN DOWN MOTOR SHAFT TO MOTOR BEARING.



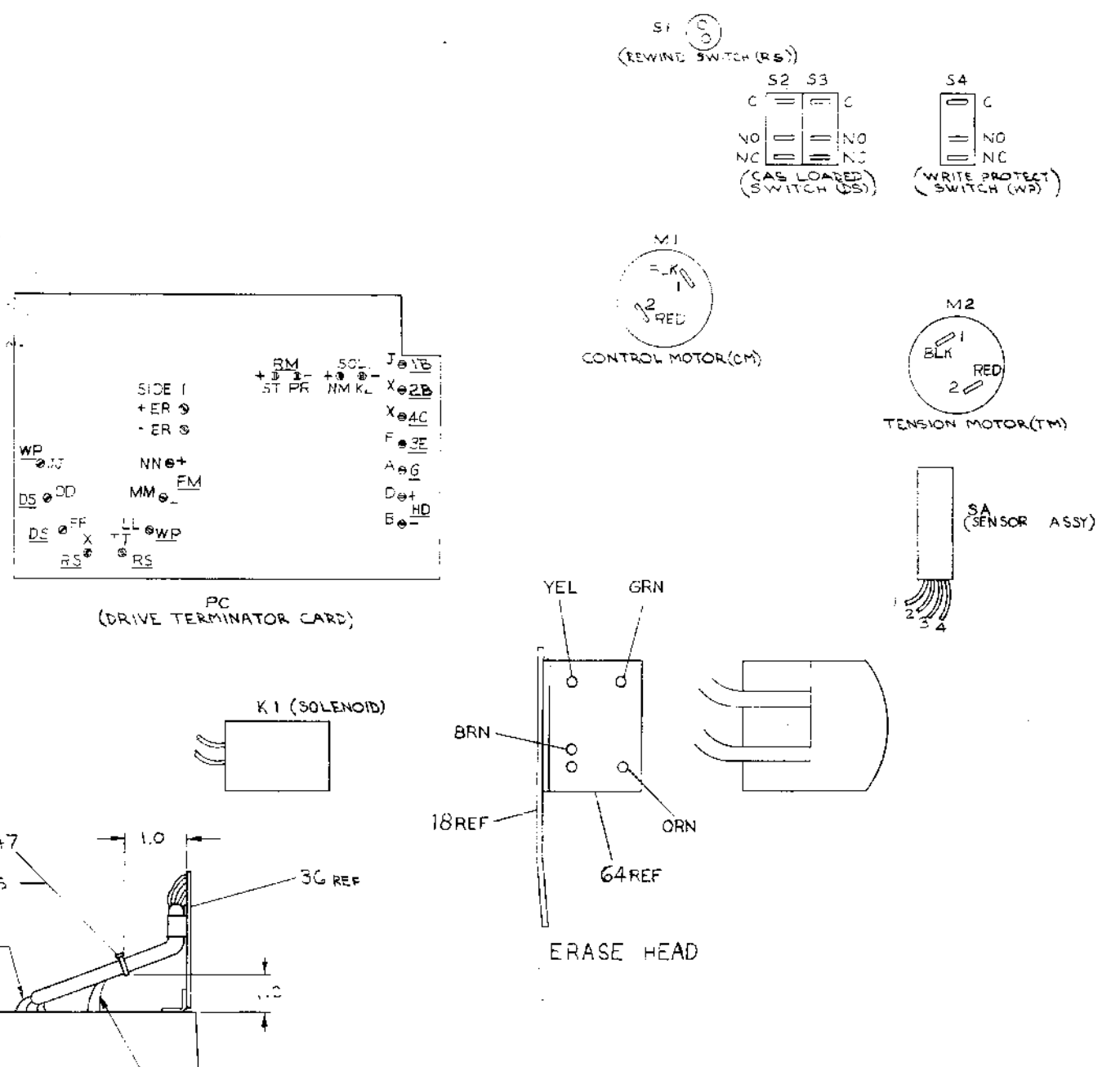
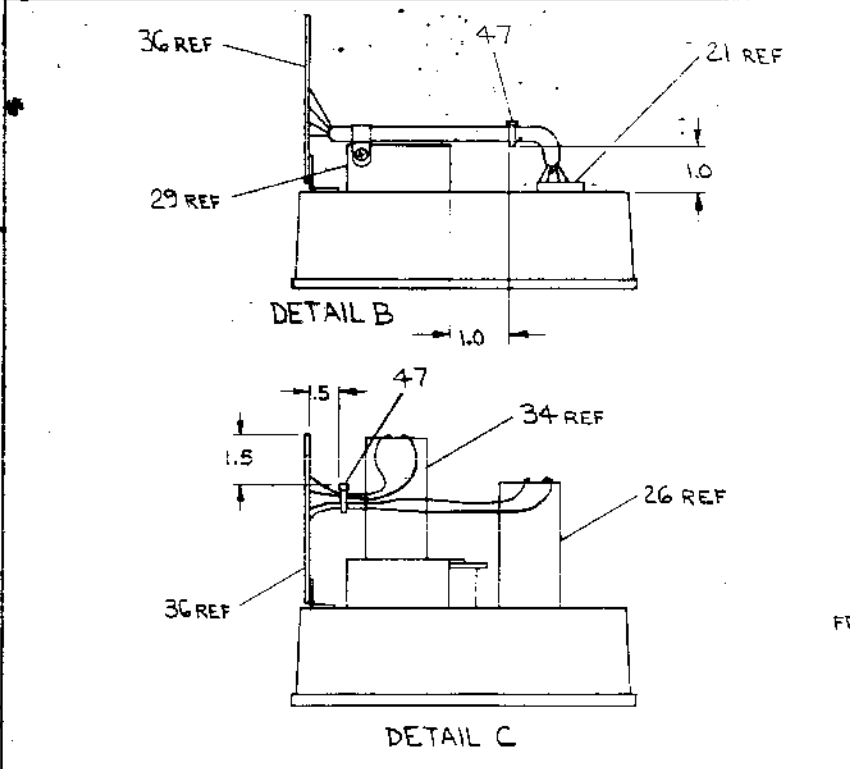
REV	DATE	BY	CHK	DESCRIPTION
1	11-15-72	V. DEMPSEY		INITIAL DESIGN
2	12-11-72	V. DEMPSEY		REVISED TO ADD PARTS
3	1-11-73	V. DEMPSEY		REVISED TO ADD PARTS
4	2-11-73	V. DEMPSEY		REVISED TO ADD PARTS
5	3-11-73	V. DEMPSEY		REVISED TO ADD PARTS
6	4-11-73	V. DEMPSEY		REVISED TO ADD PARTS
7	5-11-73	V. DEMPSEY		REVISED TO ADD PARTS
8	6-11-73	V. DEMPSEY		REVISED TO ADD PARTS

FIRST USED ON OPTION/MODEL TU62	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN CHK'D.	DATE DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	ENG PROJ. ENG.	TITLE TRANSPORT ASSY (TU62)	
REMOVE SUPRS AND BREAK SHARP CORNERS. SURFACE QUALITY	PROD	DATE	SIZE CODE DAE 7069014-0-0	
MATERIAL	NEXT HIGHER ASSY.	SCALE	NUMBER	REV
FINISH	SHEET OF 3	DIST		H



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WIRE TABLE							
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS	LENGTH		
		CONN	WITH	CONN	WITH		
43	ORN	26	S1	SOLDER	PC-X	SOLDER EITHER S1 TERM.	3.5
43	ORN	26	S1	SOLDER	PC-TT	REMAINING S1 TERM.	3.5
++	++	++	S2-C	++	PC-DD		
++	BRN	HD-3	++	++	PC-D		4.5
++	ORN	HD-3	++	++	PC-B		4.5
++	++	S3-C	++	++	PC-FF		
++	++	S4-C	++	++	PC-LL		
++	++	S4-NO	++	++	PC-JJ		
++	BLK	M1-1	++	++	PC-MM		5.0
++	RED	M1-2	++	++	PC-NN		5.0
++	BLK	M2-1	++	++	PC-PR		5.0
++	RED	M2-2	++	++	PC-ST		5.0
++	WHT	K1	++	++	PC-MN	EITHER K1 LEAD	1.25
++	WHT	K1	++	++	PC-KL	REMAINING K1 LEAD	1.25
++	BRN	SA-1	++	++	PC-J	EITHER BRN LEAD	++
++	BRN	SA-2	++	++	PC-X	REMAINING BRN LEAD	++
++	BLK	SA-3	++	++	PC-F		++
++	ORN	SA-4	++	++	PC-Y		++
++	YEL	HD-4	++	++	PC-ER-		9.0
++	GRN	HD-5	++	++	PC-ER+	SOLDER	9.0



REV.	CHANGE NO.	DATE

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES	CHK'D	DATE	MAYFORD, MASSACHUSETTS	
DECIMALS			TITLE	
ANGLES			TRANSPORT ASSY (TU60)	
XXX ± .005	ENG	DATE		
XX - .02	PROJ ENG	DATE		
X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	PROD.	DATE		
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
	D-2-2-2-2-2		DAD	7009014-C-0
FINISH	SCALE		DIST.	

REV. H  
 PART NO. DAD 7009014-C-0  
 QUANTITY  
 SIZE CODE

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION															
PARTS LIST					7009014-0	7009014-1														
MADE BY	W. MAJOR	CHECKED	W. MAJOR	SECTION																
DATE	11/27/72	DATE	1/16/73	ISSUED SECT.	1															
ENG	WY BENSON	PROD	W. MAJOR	ISSUED SECT.	1															
DATE	1-16-73	DATE	1/15/73	ISSUED SECT.	1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			7009014-0	7009014-1														
1	D-IA-7410640-0-0	BASE ASSY			1	0														
2	B-MD-7410518-0-0	BUTTON, REWIND SWITCH			1	0														
3	1211040	SWITCH, PUSHBUTTON SPST			1	1														
4	B-MD-7410519-0-0	BRACKET, REWIND SWITCH			1	0														
5	9006011-1	SCR, PHL HD PAN #4-40 X 3/8			2	2														
6	9008172	WASHER, FLAT #4 S.S.			2	2														
7	9006632	WASHER, INT TOOTH #4			10	10														
8	C-IA-7409930-0-0	EJECTOR ASSY			1	1														
9	9006013-1	SCR, PHL HD PAN #4-40 X 1/2			3	3														
10		LOCTITE 242			A/R/A/R															
11	D-AD-7009146-0-0	SPINDLE ASSEMBLY			1	1														
12	9009275-2	SCR, PHL HD PAN #4-40 X 3/8			3	3														
13	9009308	SPRING			2	2														
14	9006527	ROLL PIN 3/32 X 11/16 LG			2	2														
15	9006531	ROLL PIN 1/8 X 3/8 LG			2	2														
16	C-IA-7409924-0-0	COVER, LOWER CASSETTE ASSY			1	0														
17	9006001-1	SCR, PHL HD PAN #2-56 X 1/4			3	3														
18	C-MD-7409908-0-0	PLATE, HEAD MOUNT			1	1														
19	9009276	SCR, PHL HD PAN #2-56 X 1/8			1	1														
<del>20</del>	<del>1211174</del>	<del>HEAD</del>			<del>1</del>	<del>1</del>														
21	D-PS-1211289-0-0	SENSOR ASSEMBLY			1	1														
22	C-MD-7409912-0-0	GUIDE, TAPE			4	0														
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.	ECO NO.											
TRANSPORT ASSY (TU6Ø)		D-AD-7009014-0-0		A	PL	7009014-0-0		H	700901400003											
		SHEET 1 OF 3		DIST.																

DEC FORM DEC 16 (325)-1031-N870  
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION															
PARTS LIST					7009014-0	7009014-1														
MADE BY	W. MAJOR	CHECKED	W. MAJOR	SECTION																
DATE	11/27/72	DATE	1/16/73	ISSUED SECT.	1															
ENG	WY BENSON	PROD	W. MAJOR	ISSUED SECT.	1															
DATE	1-16-73	DATE	1/15/73	ISSUED SECT.	1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			7009014-0	7009014-1														
23	C-MD-7409911-0-0	SPACER, TAPE GUIDE			2	2														
24	9006015-1	SCR, PHL HD PAN #4-40 X 3/4			2	2														
25	D-PS-1211279-0-0	COUPLING, CASSETTE DRIVE			1	1														
26	1211111	MOTOR, CASSETTE			1	1														
27	D-MD-7409917-0-0	LOCK-BAR, CASSETTE			1	0														
28	9009277-1	SCR, SLOTTED HD PAN #8-32 X 1/4			1	1														
29	C-MD-7409928-0-0	BRACKET, SOLENOID			1	1														
30	9008301-1	SCR, PHL HD PAN #4-40 X 1/4			5	5														
31	9007079	CLAMP, CABLE 5/16			3	3														
32	1211189	SOLENOID			1	1														
33	B-MD-7409929-0-0	BRACKET, TERMINAL BOARD			1	1														
34	C-AD-7009140-0-0	MOTOR MOUNT ASSY			1	1														
35	9009279	SPRING			1	1														
36	D-IA-7009041-0-0	TERMINATOR CABLE ASSY			1	1														
37	C-MD-7410537-0-0	SPRING, LOCK BAR			1	1														
38	C-AD-7009141-0-0	SWITCH ASSY			1	1														
39	B-MD-7410544-0-0	SPACER, E.O.T. BLOCK			1	0														
40	C-AD-7009148-0-0	LEVER ASSY			1	1														
41	9006791	SPACER, AL HEX #4 1/8 LG			2	0														
42	9009274	SCREW, SET #2-56 X 1/8 LG			1	1														
43	9107636-33	WIRE, #26 AWG IPVC STRD ORN			A/R/A/R															
<del>44</del>	<del>9107636-11</del>	<del>WIRE, #26 AWG IPVC STRD BRN</del>			<del>A/R/A/R</del>															
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.	ECO NO.											
TRANSPORT ASSY (TU6Ø)		D-AD-7009014-0-0		A	PL	7009014-0-0		H	700901400003											
		SHEET 2 OF 3		DIST.																

DEC FORM DEC 16 (325)-1031-N870  
DRA 110

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY	CHECKED <i>W. Major</i>	SECTION
DATE W. MAJOR 11/27/72	DATE <i>1/6/73</i>	1
ENG <i>WYB...</i>	PROD <i>...</i>	ISSUED SECT.
DATE <i>1-6-73</i>	DATE <i>1/5/73</i>	1

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION																	
			7009014-0	7009014-1																
<del>45</del>	<del>9107678-98</del>	<del>WIRE, #26 AWS TEF INS WHI/GRY</del>	A/R	A/R																
<del>46</del>	<del>9107755</del>	<del>TUBING, SHRINKABLE 3/64 DIA</del>	A/R	A/R																
47	9007031	TIE, CABLE 3 3/4 LG X 3/32 WIDE	A/R	A/R																
48	9009280	NUT, HEX #4-40 X 3/16 X 1/16	1	1																
49	9009504-2	SCR, PHL FLAT HD #4-40 X 5/8	2	2																
<del>50</del>	<del>1000042</del>	<del>CAPACITOR 1000 PF 5%</del>	<del>2</del>																	
51	9006010-1	SCR, PHL PAN HD #4-40 X 5/16	4	4																
52	9006517	ROLL PIN 1/8 X 1/4 LG	2	2																
53		LOCTITE IS-150	A/R	A/R																
54		TORQUE SEAL	A/R	A/R																
55	9006631	WASHER, INT TOOTH #2	1	1																
56	D-IA-7410640-1-0	BASE ASSY	0	1																
57	C-IA-7409924-1-0	COVER, LOWER CASSETTE ASSY	0	1																
58	D-MD-7410725-1-0	LOCK BAR, CASSETTE	0	1																
59	C-MD-7409912-1-0	GUIDE, TAPE	0	4																
60	B-MD-7410518-1-0	BUTTON, REWIND SWITCH	0	1																
61	B-MD-7411496-0-0	BRACKET, SWITCH SPRING	0	1																
62	9006633	WASHER, INT TOOTH #6	2	2																
63	9006025-1	SCR, PHL HD PAN #6-32 x 5/8	2	2																
64	1212292	HEAD, CASSETTE, READ-WRITE - ERASE	1	1																

TITLE	ASSY NO.	SIZE	CODE	NUMBER	RF	ECO NO.
TRANSPORT ASSY (TU-07)	D-AD-7009014-0-0	A	PL	7009014-0-0	H	
	SHEET	OF	DIST			

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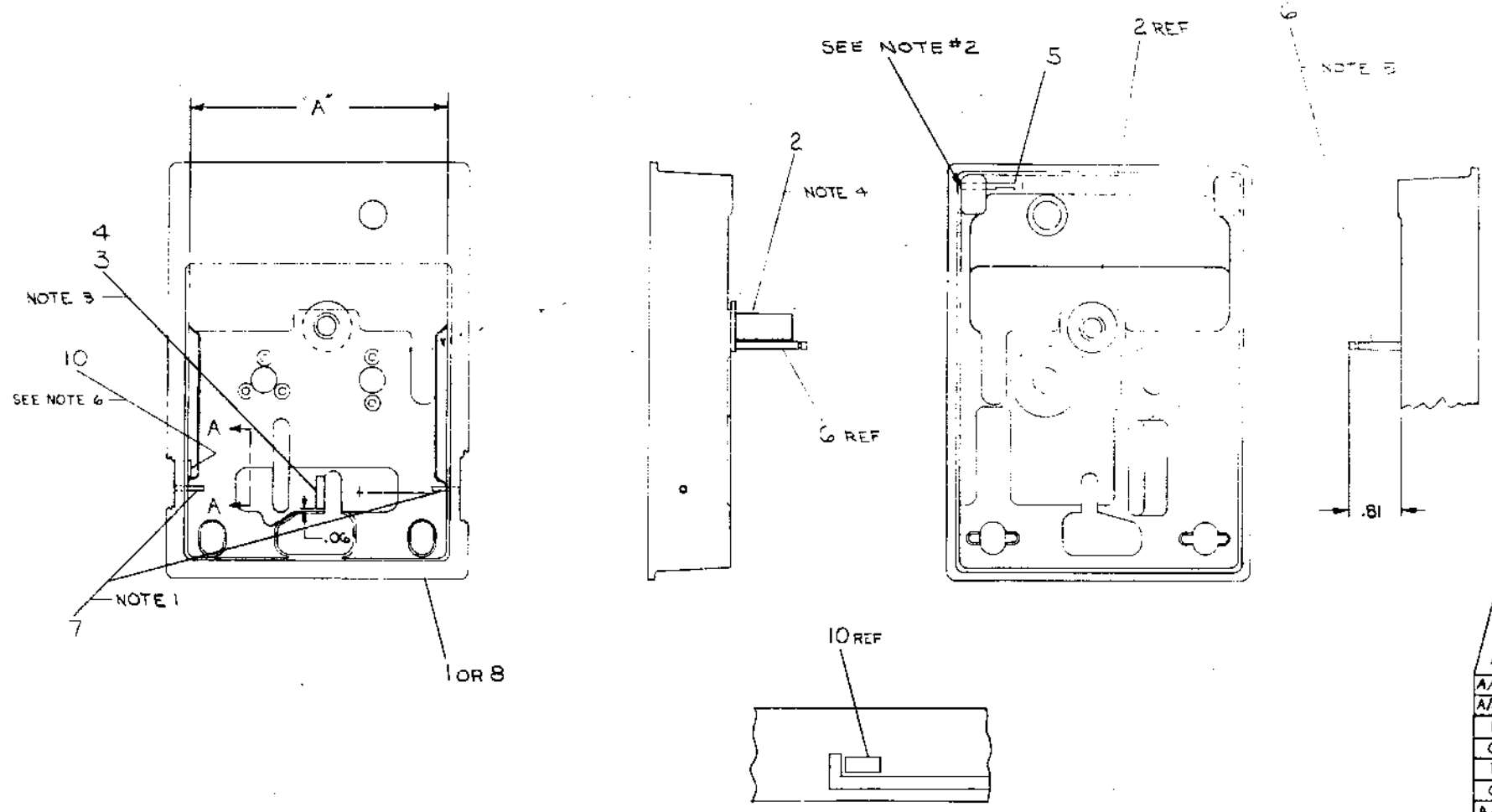
LEGEND	
NUMBER	VARIATION
7410640-0	SAND CAST
7410640-1	DIE CAST

NOTES:

- ROLL PIN (ITEM #7) TO BE PRESSED FLUSH WITH OUTSIDE SURFACE OF BASE AS SHOWN, 2 PLACES.
- PIN (ITEM #5) TO BE PRESSED FLUSH WITH THIS SURFACE AS SHOWN. NOTE POSITION OF CUTOUT ON ITEM #5.
- WHEN MOUNTING SHIM (ITEM #3) TO BASE (ITEM #1), USE LOCTITE IS-06 (ITEM #4) SPARINGLY TO AVOID BUILDUP BUT ENOUGH TO OBTAIN A GOOD BOND. NOTE LOCATION OF SHIM ALONG EDGE OF SLOT IN BASE.
- BUSHING (#2) TO BE PRESSED INTO ITEM #1 AS SHOWN.
- PIN (#6) TO BE PRESSED INTO ITEM #1 TO DIMENSION SHOWN.
- CASSETTE SHIM: SIZE AND POSITION: MEASURE DIMENSION "A" SUBTRACT .150 FROM DIMENSION "A" TO GET SHIM FROM TABLE BELOW:  

A - .140	SHIM THICKNESS
.140 IN. - .225 IN.	.020 IN.
.225 IN. - .325 IN.	.035 IN.
.325 IN. - .425 IN.	.050 IN.
.425 IN. - .525 IN.	.075 IN.
.525 IN. - .645 IN.	.100 IN.

 LENGTH OF SHIM SHOULD BE .50 IN. ± .01 IN.  
 WIDTH OF SHIM SHOULD BE .25 IN. ± .01 IN.  
 POSITIONING: POSITION SHIM AS SHOWN IN VIEW A-A. USE TRANSFER ADHESIVE (ITEM #9) TO BOND SHIM TO BASE ASSEMBLY.



QTY.	DESCRIPTION	PART NO.	ITEM NO.	
A/R	A/R	STOCK, SHIM	4950023	10
A/R	A/R	ADH TRANSFER 3M429	3612911-01	9
1	0	BASE, CASSETTE TRANS (MACH)	E-MD-M-0723-1-0	8
0	2	ROLL PIN	9006531	7
1	1	PIN, SPRING MOTOR BIAS	C-MD-740-434-0-0	6
0	1	PIN, ANCHOR	C-MD-740-531-0-0	5
A/R	A/R	LOCTITE IS-06		4
1	1	SHIM, SKEW	C-MD-740-553-0-0	3
1	1	BUSHING, ROCKER	B-MD-740-938-0-0	2
0	1	BASE, CASSETTE TRANS (MACH)	E-MD-740-935-0-0	1

FIRST USED ON OPTION/MODEL		PARTS LIST	
TU60		TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		BASE ASSY	
DECIMALS	ANGLES	DATE	
XXX - .006	10° 30'	4-15-72	
XX - .02		DATE	
X - .04		11/17/72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	
		11/17/72	
MATERIAL		NEXT HIGHER ASSY.	
D-AD-7009014-0-0		DIA 7410640-0-0	
FINISH		SCALE 1/1	
		SHEET 1 OF 1	

REV	DESCRIPTION	DATE
A	TU60-00012	3-7-72
B	TU60-00013	5-10-72
C	7410640-00001	5-27-72
D	7410640-00001	5-29-72
E	7410640-00001	5-29-72
F	7410640-00001	5-29-72

DEC FORM NO. 101 8

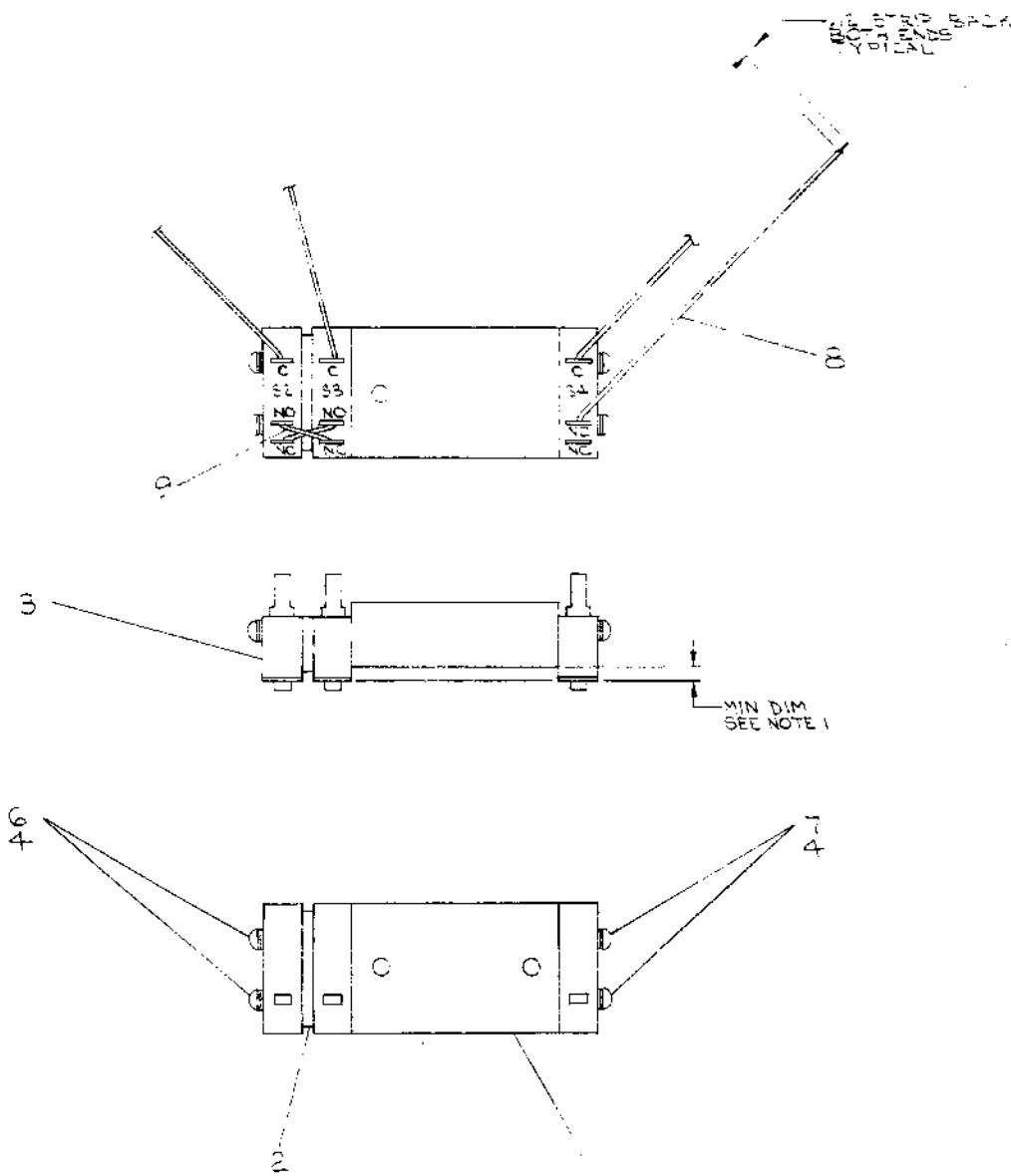
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917560-01 2  
REV. A

WIRE TABLE							
ITEM	DESCRIPTION	FROM	TO	LENGTH			
8	BRN	26	S2-C	SOLDER	→	→	5"
9	BUSS	22	S2-NO	SOLDER	→	S3-NC	SOLDER .75"
9	BUSS	22	S2-NC	SOLDER	→	S3-NO	SOLDER .75"
8	BRN	26	S3-C	SOLDER	→	→	5"
8	BRN	26	S4-C	SOLDER	→	→	6"
8	BRN	26	S4-NO	SOLDER	→	→	4.5"

NOTES:  
1. SWITCHES MUST BE ADJUSTED AT ASSEMBLY TO OBTAIN MINIMUM DIMENSION FROM BOTTOM SURFACE OF SWITCH TO BOTTOM SURFACE OF SWITCH BLOCK.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
A/R	WIRE, BUSS, #22 AWG	9107560-01	9
A/R	WIRE #26 AWG, 1PVC, STRD	9107636-11	8
2	SCR, PHL HD PAN 2-56X 1/2 SST	9006005-1	7
2	SCR, PHL HD PAN 2-56X 3/4 SST	9006006-1	6
4	WASHER, 250X 0.8X 0.25 THK	9006007-1	5
4	WASHER, INT TOOTH #2 SST	9006031	4
2	SWITCH, MICRO	4209782	3
1	SPACER, MICRO SWITCH	4209785-001	2
1	BLOCK, SWITCH	4209786-001	1

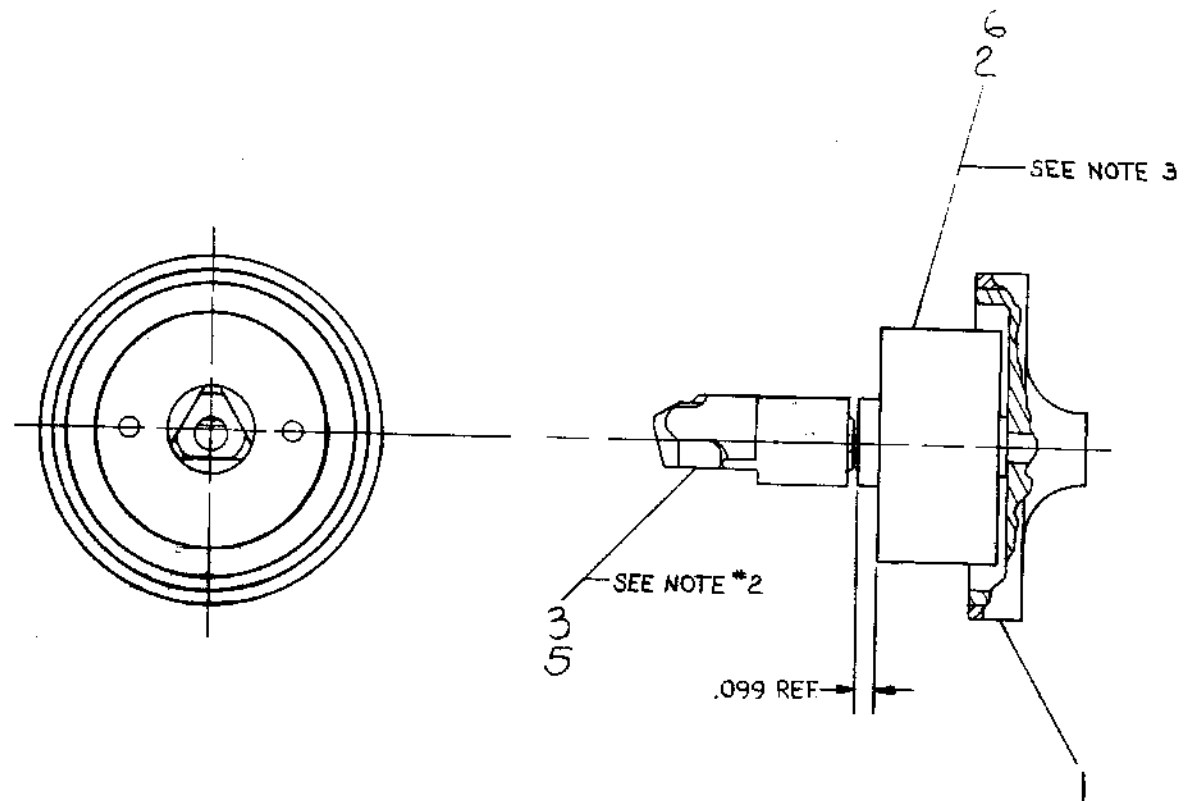
FIRST USED ON OPTION MODEL		PARTS LIST	
UNLESS OTHERWISE SPECIFIED, DIMENSION IN INCHES	DRN	DATE	
TOLERANCES	CHK'D	DATE	
DECIMALS	ENG	DATE	
ANGLES	PROJ. ENG	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	PROD.	DATE	TITLE
MATERIAL	NEXT HIGHER ASSY	DATE	SWITCH ASSEMBLY
SIZE CODE	NUMBER	REV.	
D	917560-01	A	

REV.	DESCRIPTION	DATE
1	CHANGE NO. 44V	
2	TJ60-00012 A	
3	M. LEIS	

RUNNING 40107 15888

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- NOTES:**
- ITEM #3 TO BUTT AGAINST SHOULDER OF SPINDLE.
  - LOCTITE TO BE USED BETWEEN SPINDLE SHAFT AND I.D. OF COUPLING. APPLY LOCTITE TO I.D. OF COUPLING AND SLIP ON SPINDLE SHAFT. BE SURE LOCTITE DOES NOT RUN DOWN TO BEARING.
  - APPLY DOW CORNING #44 MEDIUM GREASE BETWEEN SPINDLE SHAFT & I.D. OF BEARING. APPLY SPARINGLY.



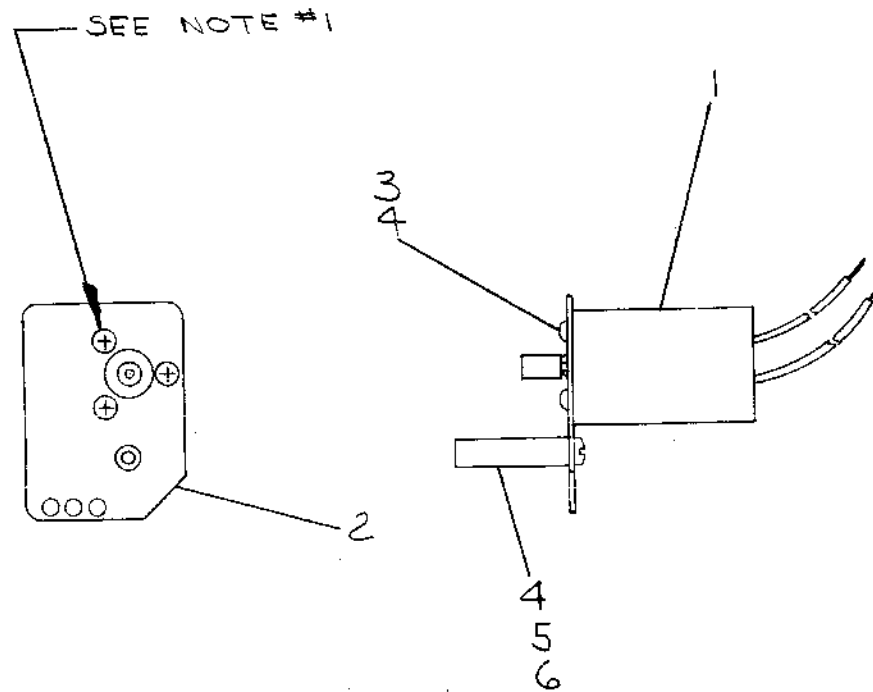
QTY.	DESCRIPTION	PART NO.	ITEM NO.
6	GREASE, DOW CORNING #44MED		6
5	LOCTITE IS 150		5
1	SCREW, SET, #2-56	9009274	4
1	COUPLING, CASSETTE DRIVE	D-PS-1211279-0-0	3
1	BEARING	C-MD-7410692-0-0	2
1	PULLEY, DRIVE ASSY	C-1A-7409914-0-0	1

FIRST USED ON OPTION/MODEL		TU60	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST	
DECIMALS	ANGLES	DRN	DATE
.XXX - .005	± 0° 30'	<i>W. Benson</i>	2/11/72
.XX = .02		CHK'D	DATE
.X = .1		<i>W. Benson</i>	10/25/72
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		ENG.	DATE
		<i>W. Benson</i>	1/2/72
		PROJ. ENG.	DATE
		<i>W. Benson</i>	1/2/72
		PRG.	DATE
		<i>W. Benson</i>	1/2/72
MATERIAL	NEXT HIGHER ASSY.	TITLE	
	D-AS-7009014-0-0	SPINDLE ASSY	
FINISH	SCALE	SIZE CODE	NUMBER
	2:1	C	7009146-0-0
SHEET	OF	DIST.	REV
			D

CHK	CHANGE NO.	REV.
XX	TU60-00004	A
XX	12/12/72	
XX	W. BENSON	
XX	12/12/72	
XX	TU60-00008	B
XX	3-18-73	
XX	V. DEMPSEY	
XX	3-27-73	
XX	TU60-00013	C
XX	5-6-74	
XX	H. DRAB	
XX	5-6-74	
XX	TU60-00016	D
XX	8-7-74	
XX	H. DRAB	
XX	8-11-75	

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NOTES:  
 1. LOCTITE (#4) TO BE APPLIED TO  
 THREADS OF ITEMS #3 & #5.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	PIVOT, MOTOR	GMD-7409915-0-0	6
1	SCR, SLOT HD PAN	9009277	5
A/R	LOCTITE 242		4
3	SCR, PHL PAN HD 4-40-1/4	9008301-1	3
1	MOUNT, MOTOR	GMD-7409910-0-0	2
1	DRIVE MOTOR ASSY	C-1A-7009139-0-0	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>K. D. ...</i>	DATE 9-12-72	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE MOTOR MOUNT ASSY.	
DECIMALS	CHK'D <i>M. ...</i>	DATE 11/1/72		
ANGLES	ENG. <i>B. ...</i>	DATE 11/1/72		
.XXX = .005 .XX = .02 .X = .1	PROJ. ENG. <i>M. ...</i>	DATE 11/1/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 11/1/72			
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH			C AD 7009140-0-0	A
	SCALE		DIST.	
	SHEET	OF		

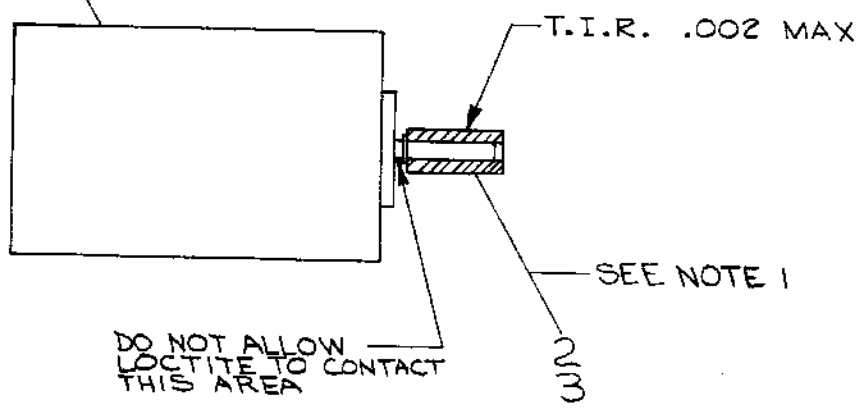
REV.	CHANGE NO.	DATE	BY
A	TU60-00012	9-7-73	M. LEIS

BRUNING 40-107 1596B

REV. A  
 NUMBER  
 C AD 7009140-0-0  
 REV. B

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NOTES:  
 1. SLEEVE (#2) TO BE PRESSED ON MOTOR SHAFT TO "E" RING.  
 LOCTITE TO BE APPLIED SPARINGLY TO INSIDE OF SLEEVE BEFORE ASSEMBLY.



BRUNING 40-107 15968	REV. A
CHG. NO. TU60-00012	DATE 9-7-73
CHK. MLEIS	

DEC FORM NO. DRC 100-A

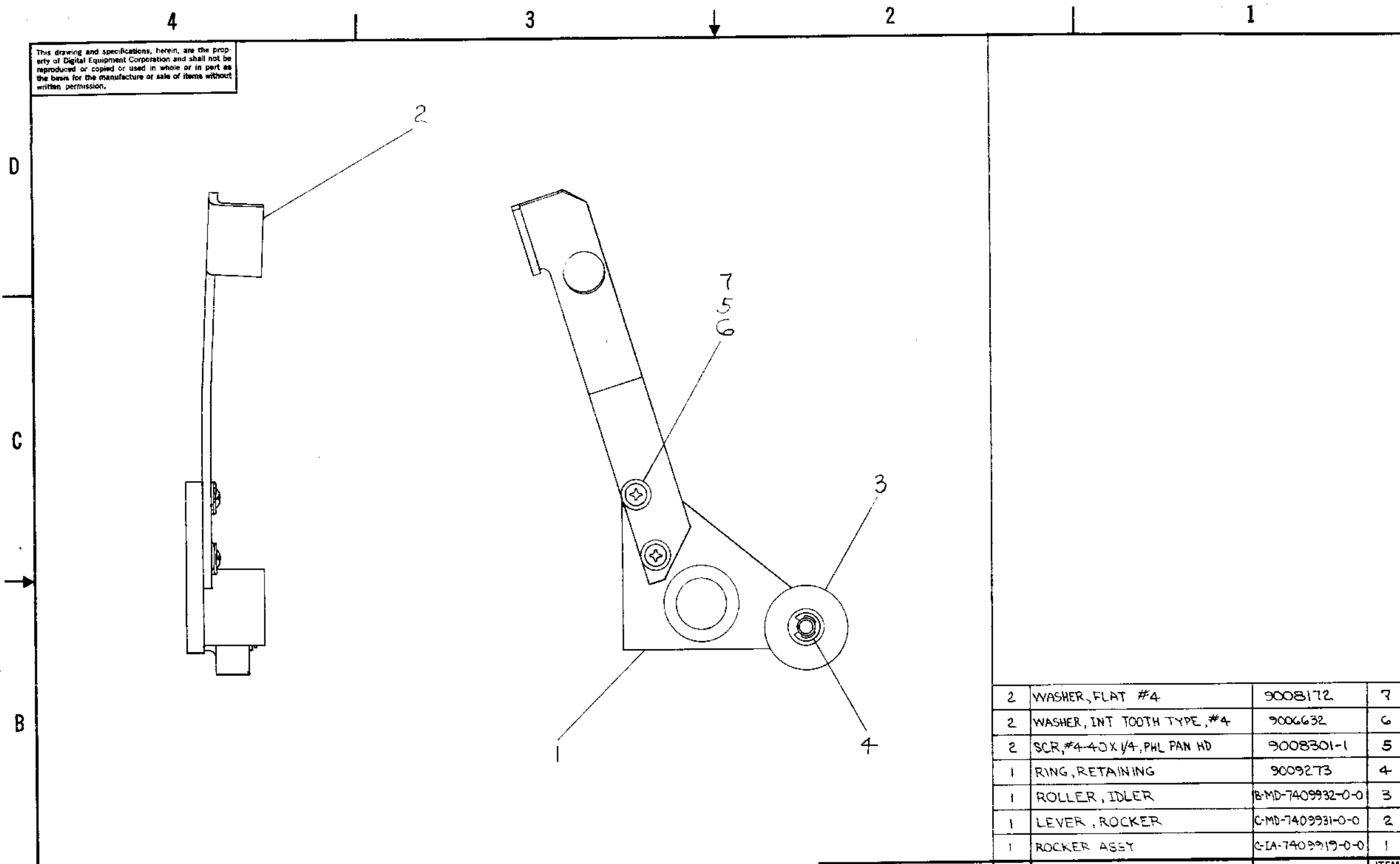
QTY.	DESCRIPTION	PART NO.	ITEM NO.
	A/R LOCTITE IS-150		3
1	SLEEVE, MOTOR	C-MD-7409913-0-0	2
1	MOTOR	1211111	1

FIRST USED ON OPTION/MODEL		TUGØ	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>[Signature]</i>	DATE 10-5-72
DECIMALS	ANGLES	CHK'D. <i>[Signature]</i>	DATE 10/2/72
.XXX = .006	±0° 30'	ENG. <i>[Signature]</i>	DATE 10/2/72
.XX = .02		PROJ. ENG. <i>[Signature]</i>	DATE 10/2/72
.X = .1			DATE 10/2/72
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PARTS LIST	
MATERIAL	NEXT HIGHER ASSY.	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
FINISH		TITLE DRIVE-MOTOR ASSY	
		SCALE 2/1	SIZE CODE C 14
		SHEET 1 OF 1	NUMBER 7009139-0-0
			REV. A

REV. A  
 NUMBER 7009139-0-0  
 SIZE CODE C 14



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QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	WASHER, FLAT #4	9008172	7
2	WASHER, INT TOOTH TYPE, #4	9006632	6
2	SCR, #4-40 X 1/4, PHL PAN HD	9008301-1	5
1	RING, RETAINING	9009273	4
1	ROLLER, IDLER	B-MD-7409932-0-0	3
1	LEVER, ROCKER	C-MD-7409931-0-0	2
1	ROCKER ASSY	C-IA-7409919-0-0	1

FIRST USED ON OPTION/MODEL		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
TU60									
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				DRN. <i>Z. Corbett</i>		DATE 9/12/72		<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE LEVER ASSY	
DECIMALS		ANGLES		CHK'D <i>W. K. Jones</i>		DATE 11/1/72			
XXX = .005		± 0° 30'		ENG. <i>W. K. Jones</i>		DATE 7/7/72			
XX = .02				PROJ. ENG. <i>W. K. Jones</i>		DATE 11/1/72			
X = .1				PROG. <i>W. K. Jones</i>		DATE 11/1/72			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				NEXT HIGHER ASSY.		SIZE CODE		NUMBER	
MATERIAL <i>SS</i>				C-MD-7409914-0-0		C AD		7009148-0-0	
FINISH				SCALE 2:1		DIST.			
				SHEET 1 OF					

BRUNING 40-107 1596B	REV.
	REVISIONS
	CHANGE NO.
CHK	

REV. NUMBER C AD 7009148-0-0

A

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY K. Gamache  
DATE 22/SEPT/76  
ENG  
DATE  
CHECKED  
DATE  
PROD  
DATE 10/JAN/77  
SECTION  
ISSUED SECT.

QUANTITY VARIATION

ITEM NO	DWG NO. / PART NO.	DESCRIPTION	QUANTITY VARIATION			
			TA36-DA 115V - 4K	TA36-DB 230V - 4K	TA36-DC 115V - 8K	TA36-DD 230V - 8K
1	D-UA-TU60-DA	TU60 UNIT ASSY (115V)	1	-	1	-
2	D-UA-TU60-DB	TU60 UNIT ASSY (230V)	-	1	-	1
3	D-UA-IASXX-AE-0	MODIFIED BOARD ASSY	1	1	1	1
4	B-UA-H851-0-0	H851 EDGE CONNECTOR	1	1	1	1
5	C-AD-7010001-8-0	JUMPER (LA36)	1	1	1	1
6	C-IA-7008612-1F-0	CABLE, KEYBOARD	1	1	1	1
7	D-IA-7013370-0-0	CABLE, 24 COND DIP SOCKET	1	1	1	1
8	C-IA-7417522-0-0	BRACKET, TA36	2	2	2	2
9	C-MD-7417653-0-0	CLAMP, TA36	1	1	1	1
10	M7742	CASSETTE INTERFACE MODULE	1	1	1	1
11	M7743	PROM/ROM MODULE	1	1	1	1
12	9009611	NUT, PUSH-IN, NYLON	4	4	4	4
13	9009612-01	SCR, SELF-TAP #10-32 X .75 LG	4	4	4	4
14	9009776	WASHER, FLAT #10	4	4	4	4
15	9006418	SCR, PAN HD #8-32 X .38 LG	2	2	2	2
16	9006026-01	SCR, PHL PAN HD #6-32 X .75 LG	4	4	4	4
17	9006707	WASHER, NYLON FLAT #6	8	8	8	8
18	9007613	SPACER, FIBER RND, .138 ID X .437 LG	4	4	4	4
19	9003213	SPACER, FIBER RND, #6-32 X .375 LG	2	2	2	2
20	9006035-03	SCR, PHL TRUSS HD #8-32 X .25 LG	2	2	2	2
21	9006634	WASHER, LOCK INT TOOTH #8	4	4	4	4
22	9009332	SPACER, HEX ALUM .164 ID X .125 LG	2	2	2	2

TITLE TA36 SHIP LIST  
ASSY NO. E-UA-TA36-0-0  
SIZE CODE A PL  
NUMBER TA36-0-2  
SHEET 1 OF 2  
REV ECO NO  
DIST

DEC FORM DEC 16 (325) 1031 N870  
DRA 110

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY K. Gamache  
DATE 22/SEPT/76  
ENG  
DATE  
CHECKED  
DATE  
PROD  
DATE 10/JAN/77  
SECTION  
ISSUED SECT.

QUANTITY VARIATION

ITEM NO	DWG NO. PART NO.	DESCRIPTION	QUANTITY VARIATION			
			TA36-DA 115V - 4K	TA36-DB 230V - 4K	TA36-DC 115V - 8K	TA36-DD 230V - 8K
23	9006036-01	SCR, PHL FLAT HD #8-32 X .31 LG	2	2	2	2
24	9009316-01	O-RING, NEOPRENE BLACK	6	6	6	6
25	9008081	WASHER, SPACER	8	8	8	8
26	1213715	CLAMP, CABLE	1	1	1	1
27	36-11226	CASSETTE TAPE	1	1	1	1
28	0100252	TA36 PRINT SET	1	1	1	1
29						
30						
31	EF-TA36-OP-001	TA36 USER'S MANUAL	1	1	1	1
32	36-13885	DECAL, TA36 OPERATOR	1	1	1	1

TITLE TA36 SHIP LIST  
ASSY NO. E-UA-TA36-0-0  
SIZE CODE A PL  
NUMBER TA36-0-2  
SHEET 2 OF 2  
REV ECO NO  
DIST

DEC FORM DEC 16 (325) 1031 N870  
DRA 110