

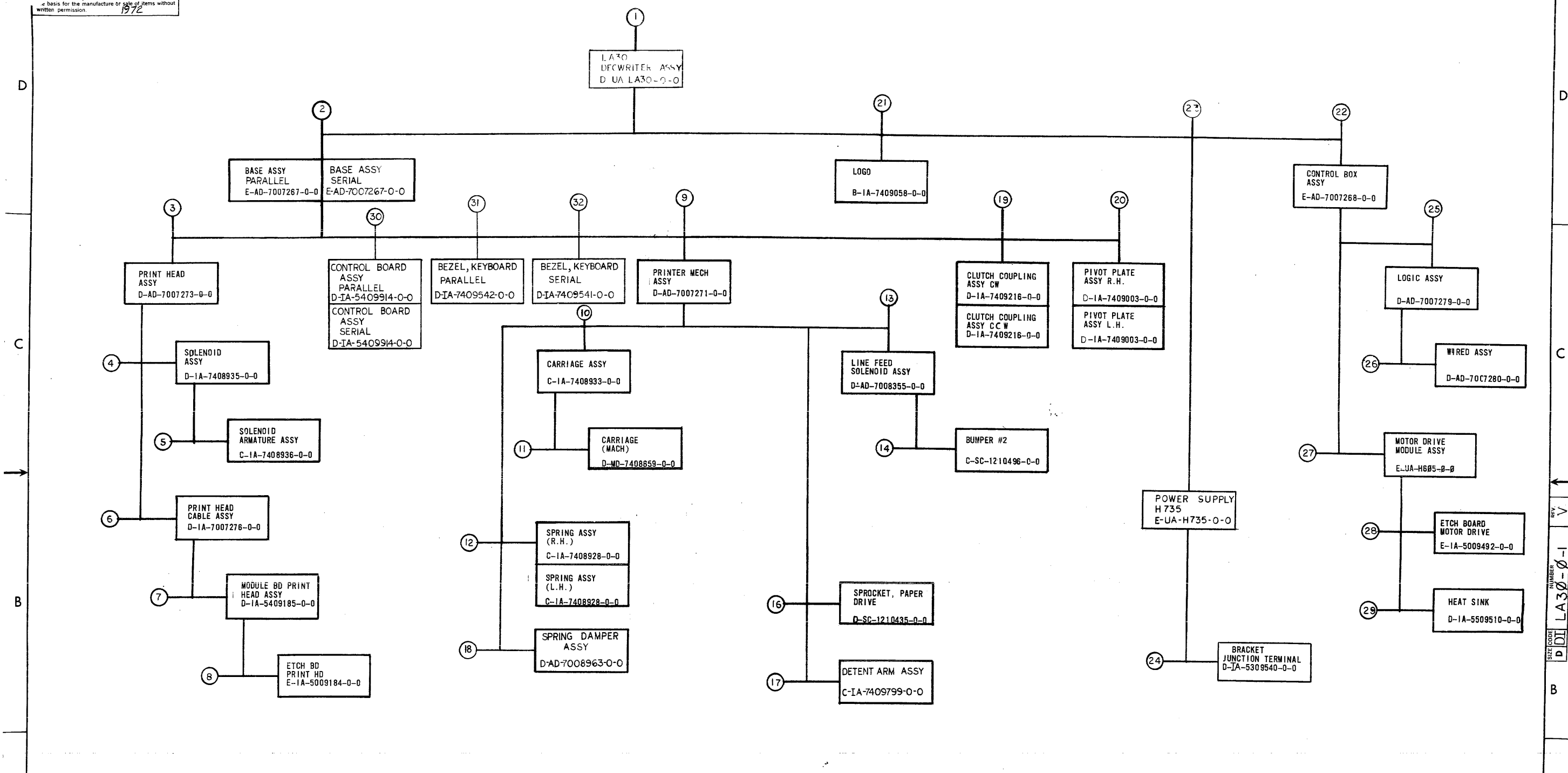
**LA30  
DECwriter  
engineering drawings**



PRINT SET					DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.		
LA30-0											
X					D-DI-LA30-0-1	V	3	DRAWING INDEX LIST			
X					D-CS-M7721-0-1	#	1	CONTROL LOGIC "A"			
X					A-SP-766-167-0-0	#	3	LA30 PRINT QUALITY SPECIFICATION			
X					D-CS-M7724-0-1	#	2	CHARACTER GENERATOR			
X					D-CS-G9994-0-1	#	1	POWER FAIL			
X					D-CS-M598-0-1	#	1	CURRENT ISOLATOR			
X					D-BS-LA30-0-4	K	3	CONTROL LOGIC			
X					D-BS-LA30-0-7	A	1	SERIAL INTERFACE LOGIC			
X					D-BD-LA30-0-8	A	1	SERIAL INTERFACE LOGIC BLOCK DIA.			
X					D-CS-M7710-0-1	#	1	PRINT SEQUENCER			
X					D-CS-M7711-0-1	#	1	CONTROL LOGIC "A" (REF ONLY)			
X					C-CS-M7712-0-1	#	1	CONTROL LOGIC "B"			
X					D-CS-M7713-0-1	#	1	LAST CHARACTER VISIBILITY			
X					D-CS-M7714-0-1	#	1	CHARACTER GENERATOR (REF ONLY)			
X					C-CS-M7715-0-1	#	1	LINE FEED CONTROL			
X					B-CS-M7716-0-1	#	1	MOTOR TRANSLATOR			
X					C-CS-M7717-0-1	#	1	MOTOR CONTROL			
X					B-CS-M7720-0-1	#	1	KEYBOARD INTERFACE			
X					C-CS-G936-0-1	#	1	CLOCK ACCELERATOR			
X					D-CS-M7731-0-1	#	2	ACTIVE BUFFER & CONTROL MODULE			
X					D-CS-M7399-0-1	#	2	ASYNCHRONOUS TRANSCIVER			
X					D-EU-LA30-0-5	H	1	MODULE UTILIZATION			
X					A-PL-LA30-0-5	H	1	MODULE UTILIZATION (PL)			
X					D-CS-5407945-0-1	#	1	KEYBOARD CKT SCHEM			
X					B-CS-G980-0-1	#	1	SOLENOID DRIVER			
X					D-UA-LA30-0-0	J	3	LA30 DEC WRITER ASSY			
X					C-PL-LA30-0-0	J	1	LA30 DEC WRITER ASSY (PL)			
X					A-CS-3010166-0-1	#	1	KEYBOARD CKT SCHEM			
X					D-AD-7007280-0-0	#	1	WIRED ASSY			
X					A-PL-LA30A-0-0	#	2	LA30-A DECWRITER ASSY (PL)			
X					A-SP-LA30-S-1	B	20	LA30S			
X					A-AL-LA30-0-6	A	1	ACCESSORY LIST			
X					A-SP-LA30-0-10	#	5	PRINT HEAD INSTALLATION INSTRUCTIONS			
TITLE					DEC WRITER (LA30)			SHEET 2 OF 3	SIZE CODE	NUMBER	REV.
								A	ML	LA30-0	AP

PRINT SET					DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.		
LA30-0											
X					K-WL-LA30-0-2	K	1	WIRE LIST			
X					E-TD-LA30-0-12	#	2	TIMING DIAGRAM			
X					A-SP-LA30-0-13	A	3	UL REQUIREMENTS FOR LA30			
X					E-UA-H735-0-0	#	2	H735 POWER SUPPLY			
X					A-PL-H735-0-0	#	4	H735 POWER SUPPLY (PL)			
X					D-CS-H735-0-1	#	1	H735 POWER SUPPLY			
X					E-UA-H605-0-0	#	1	MOTOR DRIVE AMPLIFIER			
X					B-CS-H605-0-1	#	1	MOTOR DRIVE AMPLIFIER			
X					<del>C-CS-H605-0-1</del>	<del>#</del>	<del>1</del>	<del>MOTOR DRIVE AMPLIFIER</del>			
X					B-DD-LK01-0	#	3	KEYBOARD			
X					B-CS-G381-0-1	#	1	LINE FEED DRIVER			
X					E-AD-7007267-0-0	N	2	BASE ASSY			
X					A-PL-7007267-0-0	N	4	BASE ASSY (PL)			
X					D-AD-7007273-0-0	B	1	PRINT HEAD ASSY			
X					A-PL-7007273-0-0	B	2	PRINT HEAD ASSY (PL)			
X					D-AD-7007271-0-0	H	2	PRINTER MECHANISM ASSY			
X					A-PL-7007271-0-0	H	4	PRINTER MECHANISM ASSY (PL)			
X					E-AD-7007268-0-0	E	2	CONTROL BOX ASSY			
X					A-PL-7007268-0-0	E	2	CONTROL BOX ASSY (PL)			
X					A-PL-LA30-TS	REF	1	LA30TESTER			
TITLE					DEC WRITER (LA30)			SHEET 3 OF 3	SIZE CODE	NUMBER	REV.
								A	ML	LA30-0	A

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CHK	CHANGE NO.	REV.	DATE	BY
	H735-00001	A	11-17-71	E. STELTZER
		B	11-24-71	C. YOUSE
	LA30-00041		12-8-71	T. BOISSEVAIN
	LA30-00043	C	1-10-72	C. YOUSE
	LA30-00046	D	2-1-72	J. OWENS
	LA30-00047	E	2-16-72	E. STELTZER
	LA30-00063	J	3-13-72	E. STELTZER
	LA30-00065	K	3-24-72	W. OWENS
	LA30-00067	L	4-7-72	C. YOUSE
	LA30-00069	M	5-10-72	E. STELTZER
	LA30-00073	P	6-22-72	E. STELTZER
	LA30-00077	S	7-10-72	Y. OWENS
	LA30-00082	U	8-13-72	A. WILLIAMS
	LA30-00089	V	9-11-72	R.D. WILLIAMS
	LA30-00093	W	10-12-72	W. WILLIAMS

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN	DATE	digital EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS	
DECIMALS	CHK'D.	DATE	TITLE	
ANGLES	ENG.	DATE	DRAWING INDEX	
.XXX = .005	PROJ. ENG.	DATE	LA30	
.XX = .02	PROD.	DATE	SIZE CODE	
.X = .1	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NUMBER	
			D DI LA30-0-1	
			REV.	
			V	
MATERIAL	NEXT HIGHER ASSY.	SCALE	DIST	
FINISH		SCALE	DIST	


SIZE CODE  
D DI  
NUMBER  
LA30-0-1  
REV.  
V



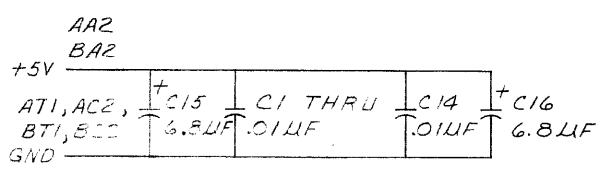
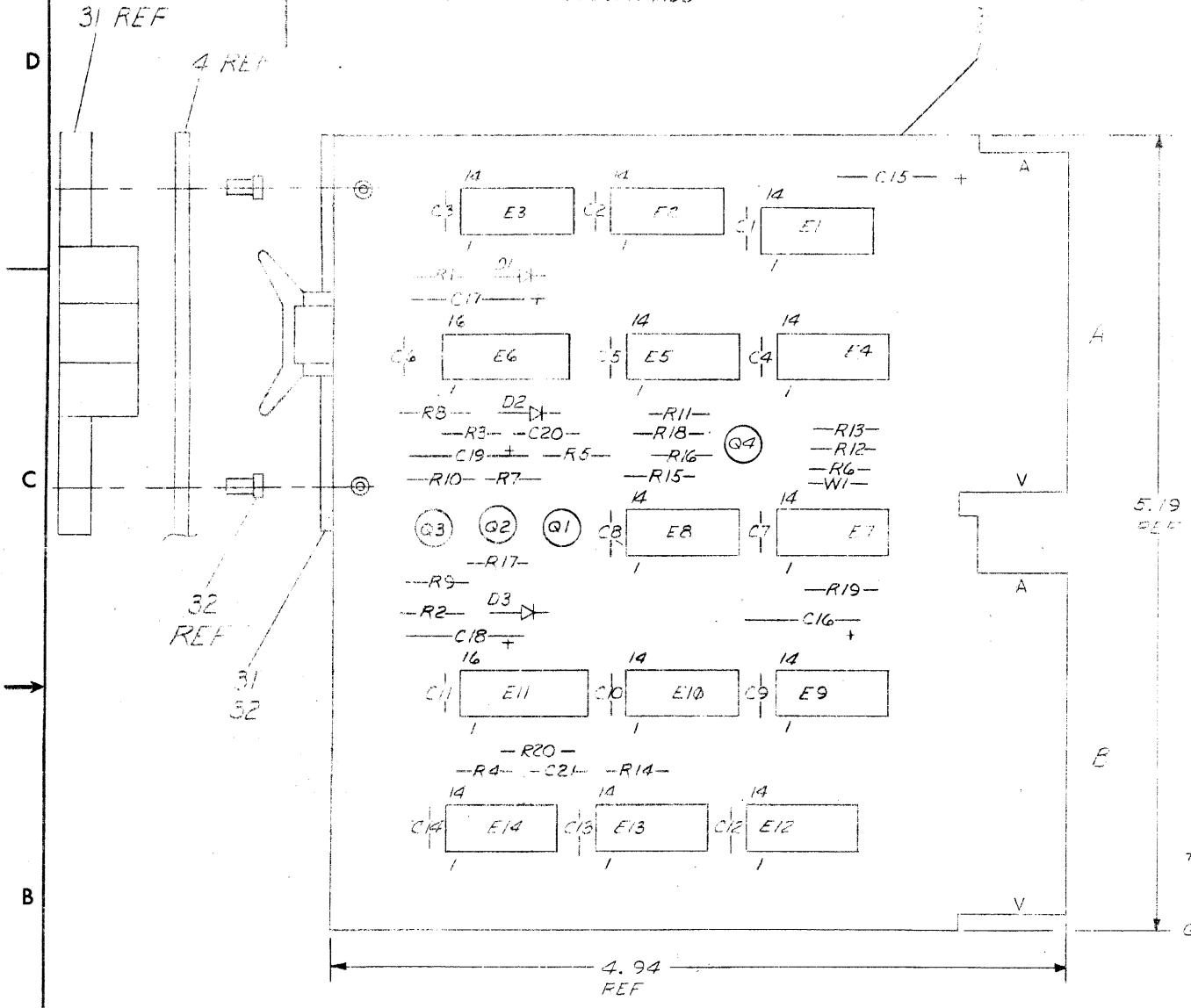
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1972

ELECTRICAL					DEPT USAGE					DEPT USAGE					DEPT USAGE					DEPT USAGE				
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	
1.	DECWRITER (LA30) WIRE LIST ASSEMBLY PROCEDURE LA30 PRINTER MODULE UTILIZATION MODULE UTILIZATION ACCESSORY LIST SERIAL INTERFACE, LOGIC SERIAL INTERFACE, BLOCK DIAG. ENGINEERING SPEC (SERIAL) PRINT HEAD INSTALLATION ACCEPTANCE PROCEDURE TIMING DIAGRAM UL REQUIREMENTS	A-WL-LA30-0 K-WL-LA30-0-2 A-SP-LA30-0-3 D-BS-LA30-0-4 D-MU-LA30-0-5 A-PL-LA30-0-5 A-AL-LA30-0-6 D-BS-LA30-0-7 D-BO-LA30-0-8 A-SP-LA30-0-9 A-SP-LA30-0-10 A-SP-LA30-0-11 E-TD-LA30-0-12 A-SP-LA30-0-13																						
2.	LINE FEED DRIVER (G381)	B-CS-G381-0-1																						
7	MODULE BOARD ASSY	B-CS-5409185-0-1																						
8	PC LAYOUT	PC-5009184-0-1																						
22.	POWER SUPPLY (H735)	D-CS-H735-0-1																						
25.	WIRED ASSY WIRED ASSY (PL)	D-AD-7007280-0-0 A-PL-7007280-0-0																						
26.	MOTOR DRIVE AMP.	B-CS-H605-0-1																						
27.	PC LAYOUT	PC-5009492-0-1																						
30.	CONTROL BOARD	D-CS-5409914-0-1																						

REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL LA30	DRN. DATE	DATE	 <b>digital</b> EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>		
CHK'D. DATE	DATE	TITLE			
ENG. DATE	DATE	DRAWING			
PROJ. ENG. DATE	DATE	INDEX LIST			
PROD. DATE	DATE	LA30			
NEXT HIGHER ASSY			SIZE CODE	NUMBER	REV
SCALE			D/DI	LA30-0-1	KV
SHEET	3 OF 3		DIST.		

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



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
4		EYELET, GS-4-7, STIMPSON	9006732	32
2		HANDLE, FLIP CHIP, MAGENTA	9008337-6	31
2	E6, E11	74123 IC.	1910436	29
1	E7	7416 IC.	1909928	28
1	E9	7404 IC.	1909686	27
2	E2, E3	7493 IC.	1909054	26
2	E1, E12	7402 IC.	1909004	25
1	E8	7410 IC.	1905576	24
3	E5, E10, E13	7400 IC.	1905575	23
2	E4, E14	7474 IC.	1905547	22
2	Q3, Q4	DEC 6531 TRANSISTOR	1504338	21
2	Q1, Q2	DEC 6534 D TRANSISTOR	1503409	20
1	R1	47K ± 5% 1/4 W RES	1302177	19
2	R5, R6	5.6K ± 5% 1/4 W RES	1301874	18
1	R2	22K ± 5% 1/4 W RES	1301808	17
1	R3	15K ± 5% 1/4 W RES	1300496	16
1	R7	1.5K ± 5% 1/4 W RES	1300391	15
7	R8 THRU R14	1K ± 5% 1/4 W RES	1300365	14
3	R15, R16, R4	470Ω ± 5% 1/4 W RES	1300316	13
1	R17	330Ω ± 5% 1/4 W RES	1300295	12
1	R18	220Ω ± 5% 1/4 W RES	1300271	11
2	R19, R20	100Ω ± 5% 1/4 W RES	1300229	10
3	D1 THRU D3	DEC D664 DIODE	1100114	9
1	C19	22uF, 6V, ± 10% TANT CAP	1005636	8
4	C15 THRU C18	6.8uF, 35V, ± 10% TANT CAP	1005306	7
14	C1 THRU C14	.01uF, 100V, ± 20% DISC CAP	1001610	6
2	C20, C21	1000PF, 100V, ± 5% MICA CAP	1000042	5
1		ETCHED CIRCUIT BOARD	5010118	4
REF		MODULE ECO HISTORY	B-MH-M7721-0-6	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M7721-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M7721-0-4	1

IC TYPE	GND	+5V
74123	3	10
74123	3	16

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

IC PIN LOCATIONS

FIRST USED ON OPTION MODEL  
LA30

ETCH BOARD REV B

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TITLE  
CONTROL LOGIC A

SIZE CODE NUMBER  
CS M7721-0-1

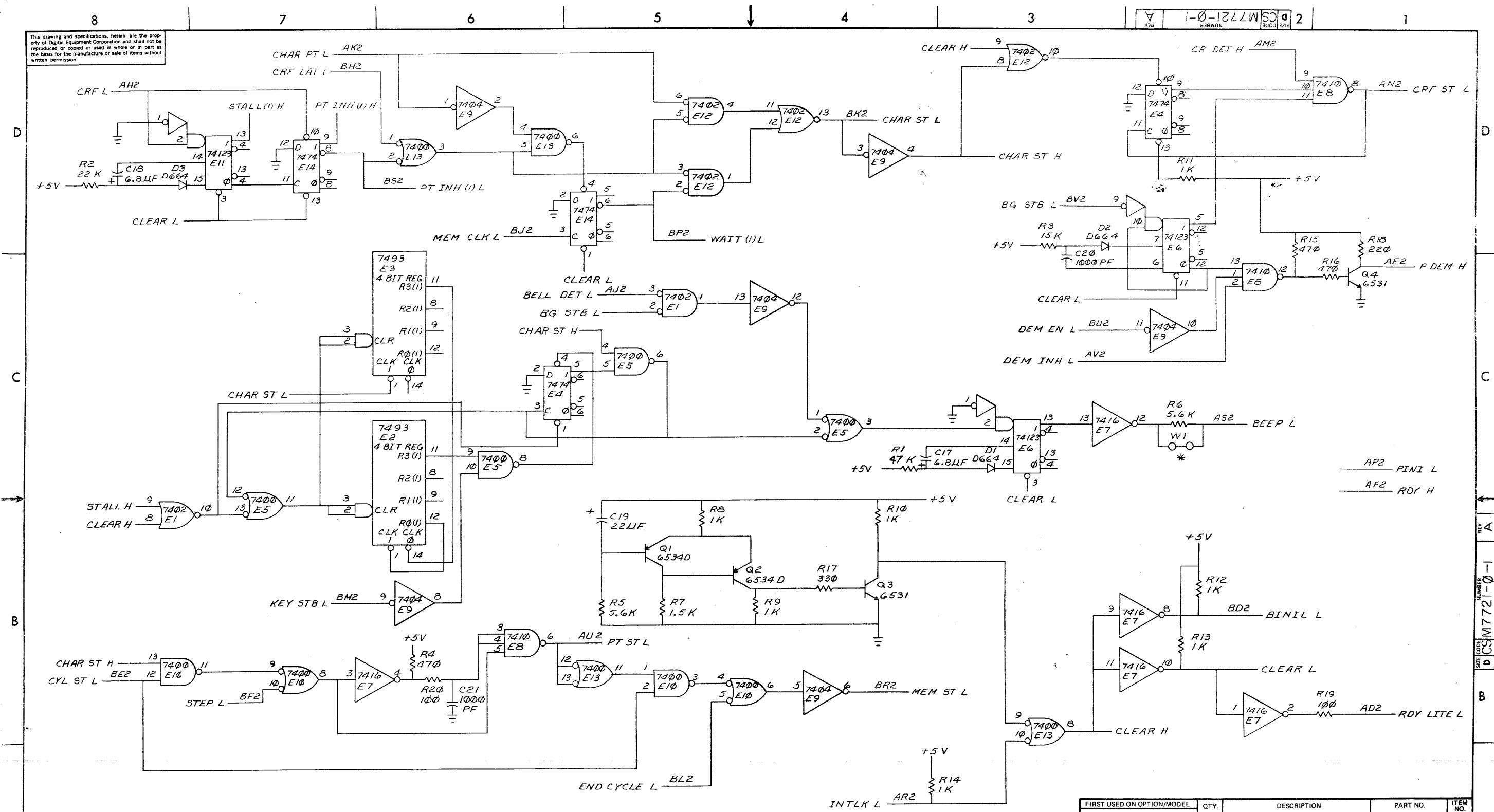
REV. A

SEMICONDUCTOR CONVERSION CHART

DRAWING 40-522 166999

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1-0-1221WCS 2



\* W1 MAY BE CUT FOR LOW VOLUME BEEP

BRUNING 40-522 15840	REV
CHG	NO
REV	NO
CHG	NO
REV	NO
CHG	NO

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN 6/15/72	DATE	 <b>digital</b> EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DECIMALS	CHK'D 7/17/72	DATE		
.XXX = .005	ENG 7/22/72	DATE		
.XX = .02	PROJ. ENG. 7/25/72	DATE		
.X = .1	PROJ. ENG. 7/25/72	DATE	<b>CONTROL LOGIC A</b>	
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	PROJ. ENG. 7/25/72	DATE		
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH			DCS M7721-0-1	REV. A
SCALE	SHEET 2 OF 2		DIST.	



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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS**

**ENGINEERING SPECIFICATION**

DATE 3/29/72

TITLE LA30 PRINT QUALITY SPECIFICATION

**REVISIONS**

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

1.0 This document establishes and defines the criteria to be used to determine print acceptability.

2.0 All prints should be examined for defects with the naked eye, in a well lighted viewing area, and at a normal reading distance.

3.0 PRINT DEFECTS

3.1 Bounce:

Bouncing, although undesirable, is an extremely difficult fault to eliminate.

Bounce is caused by the imprinting wire hitting the platen with so much force it rebounds off the platen and then prints a second dot overlaid on the first dot.

Bounce is more prevalent on the number four wire due to it's location and configuration in the print head.

Bounce is most readily observed on single strike characters such as the letters "I" or "L".

Bounce is acceptable if more than half of the second dot lies on top of the first dot.

3.2 Wire drag:

Wire drag is caused by a wire which is not fully retracted and leaves an imprint between the characters on a line.

Wire drag may be caused by a partially broken spring, a loose swage joint, or a dirt build-up within the guide tubes.

The worst case condition exists when the wire stays in the fully extended position and causes the paper to tear. Wire drag is cause for rejection.

ENG	APPD	SIZE	CODE	NUMBER	REV
		A	SP	7665167-0-0	

**ENGINEERING SPECIFICATION**

CONTINUATION SHEET

TITLE LA30 PRINT QUALITY SPECIFICATION

CAUTION: Wire drag and ribbon guide smudging are similar in appearance. However, ribbon guide smudging extends beyond the characters at both ends of the line whereas wire drag is contained within the character limits on each line.

3.3 Floating wire:

A floating wire is one that is not properly guided by the jewel. Floating is easily observed on characters where the loose wire is required to print five horizontal dots. The dots will be randomly displaced above and below the horizontal line.

Floating normally occurs on the number 1 and number 7 wires and is caused by a cracked or chipped jewel.

A floating wire is cause for rejection.

3.4 Light dots:

A light dot is characterized by a reduction in print intensity. The lightness may be caused by a reduction in impact force of the wire against the platen. It may also be caused by ribbon direction where the ribbon and the print head are traveling in the same direction and at approximately the same speed. Under these conditions the wires are repeatedly striking the inked ribbon in the same area causing light print. Light dots are acceptable.

3.5 Missing dots:

A missing dot is one that leaves no impression on the paper. Three or fewer dots missing on any one line of print is acceptable. Four or more dots missing on any one line of print is cause for rejection.

Two dots missing in any one character is cause for rejection.

A special case of an apparent missing dot exists when all five dots are present but their relative placement is such that a gap exists between two adjacent dots.

If the gap is less than one half the size of a single dot, the print is acceptable.

3.6 Smudging

Smudging is a result of having all or a portion of the inked ribbon rubbing across the paper during the printing operation.

Two types of smudging may be observed on prints.

SIZE	CODE	NUMBER	REV
A		7665167-0-0	

**ENGINEERING SPECIFICATION**

00000

CONTINUATION SHEET

TITLE LA3Ø PRINT QUALITY SPECIFICATION

The first type of smudging is caused by the ribbon guide which extends beyond the jewel. It is observed as a faint line across the entire line of print and extends beyond the characters at both ends of the line.

This type of smudging is acceptable.

The second type of smudging occurs when the gap between the print head and the platen is too small. This may be the result of gap misadjustment by the operator or it may be due to a lack of flatness across the face of the platen. This type of smudging will be concentrated in a small area of the printed line and will be repeated on each successive line. This type of smudging is cause for rejection.

## 3.7 Wiggly characters:

Wiggly characters are formed by an abnormal misalignment of vertical dots. The defect is most easily observed on characters where all seven wires are required to fire at the same time (i.e. H, L). The dots will be randomly displaced to the right or left of the vertical line. This defect is normally the result of a chipped jewel. Dots displaced an amount equal to or greater than one-half the size of a dot, are cause for rejection.

Some vertical dot misalignment is always present. Due to head construction some of the seven wires are not perpendicular to the paper. When the wires are activated a slight vertical dot misalignment is generated. However, the dot displacement under these conditions is normally much less than one-half the size of a dot and is an acceptable condition.

## 3.8 Character width:

The dimensions for character width are from 0.047" to 0.067". Character width measurements should be made with a calibrated eye loupe. The easiest characters to measure are A, H, M, N, W.

Characters, containing five horizontal dots, that are smaller or larger than the above dimensions are cause for rejection.

## 3.9 Slanting characters:

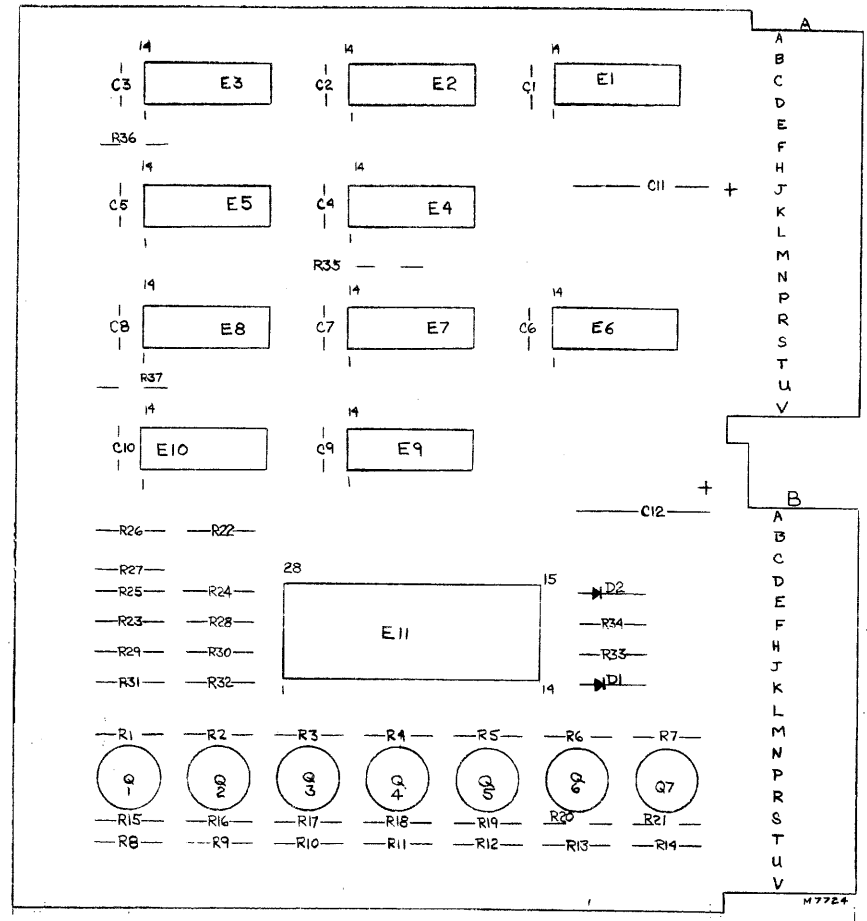
Slanting characters are caused by belt vibrations or carriage looseness. Under these conditions all the dots will drift up or down the same amount.

This type of defect is acceptable.

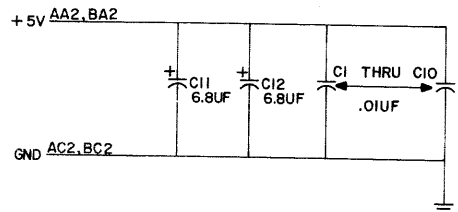
SIZE	CODE	NUMBER	REV
A		7665167-0-0	

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REV A  
NUMBER M7724-0-1  
D CS



NOTES:  
PIN 7 = GND ON E1-E10  
PIN 14 = +5V



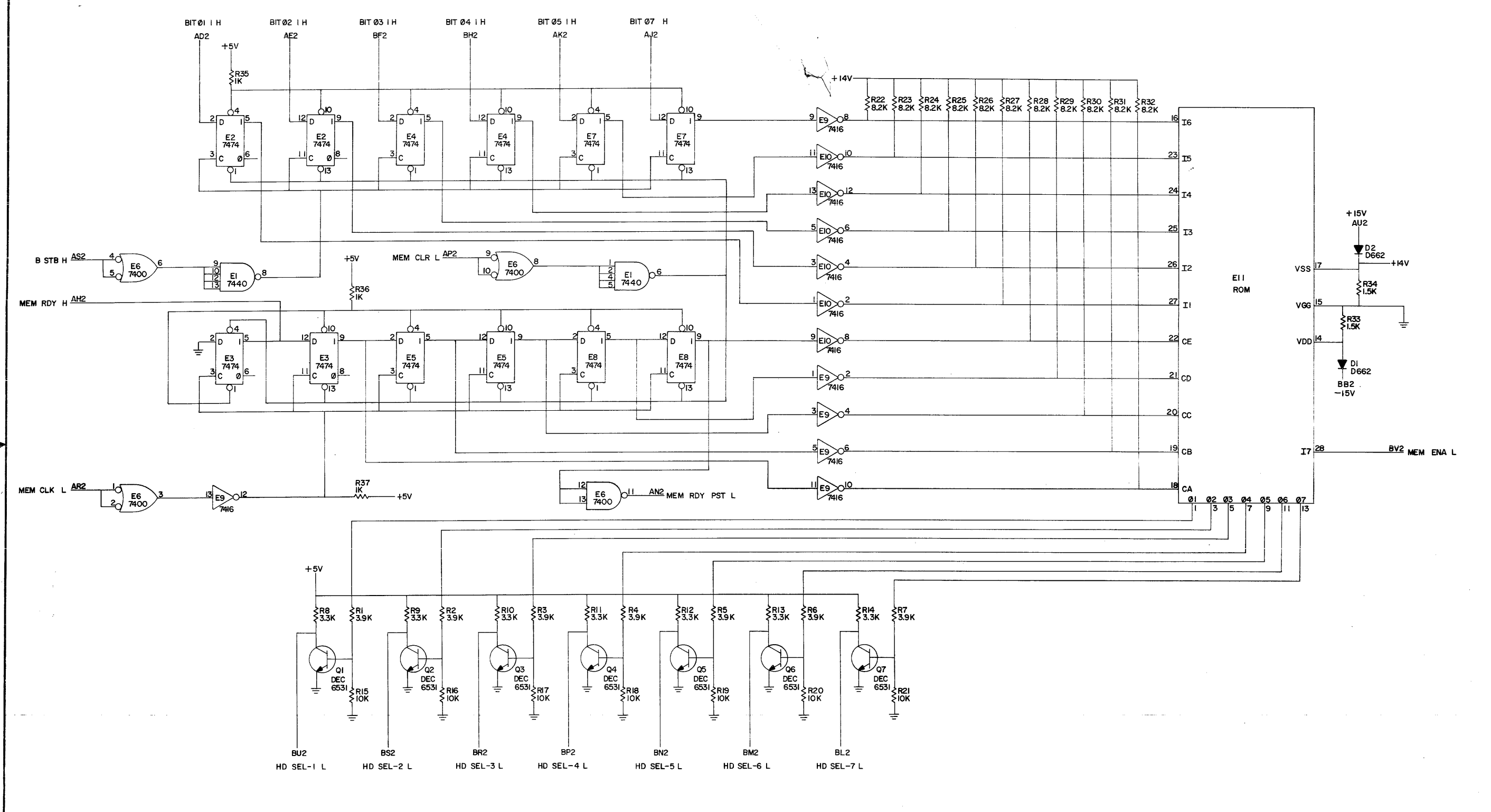
QTY.	REF. DESIGNATION	DESCRIPTION	MANUFACTURER	ITEM NO.
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	21
4		EYELET	9006732	20
1	E11	ROM TMS-2A-4103-MH 7002K T.I.	1910450	19
2	E9, E10	I.C. DEC 7416	1909928	18
1	E1	I.C. DEC 7440	1905579	17
1	E6	I.C. DEC 7400	1905575	16
6	E2, 3, 4, 5, 7, 8	I.C. DEC 7474	1905547	15
7	Q1 thru Q7	TRANSISTOR DEC 6531	1509336	14
11	R22 thru R32	RES. 8.2K 1/4W 5%	1303179	13
7	R15 thru R21	RES. 10K 1/4W 5%	1300479	12
7	R1 thru R7	RES. 3.9K 1/4W 5%	1300444	11
7	R8 thru R14	RES. 3.3K 1/4W 5%	1300439	10
2	R33, R34	RES. 1.5K 1/4W 5%	1300391	9
3	R35, R36, R37	RES. 1K 1/4W 5%	1300365	8
2	D1, D2	DIODE D662	1106113	7
2	C11, C12	CAP. 6.8UF 35V 10% TANT	1005306	6
10	C1 thru C10	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	9009855	4
		MODULE BOD HISTORY	B-MH-M7724-0-b	3
		ASSY/DRILLING HOLE LOCATE	D-MH-M7724-0-5	2
		(X) COORDINATE HOLE LOCATION	K-CO-M7724-0-4	1
		DESCRIPTION	DEC PART NO.	

REV. NO.	DATE	BY	DESCRIPTION
1	12-18-71	W. J. Nails	TRANSISTOR & DIODE CONVERSION CHART
2	2-5-72	D662	IN645
3	DEC 6531	MPS 6531	

**digital** CORPORATION  
 TITLE: CHARACTER GENERATOR ROM  
 NUMBER: M7724-0-1  
 REV: A  
 SHEET 1 OF 2

REV A  
NUMBER M7724-0-1  
D CS

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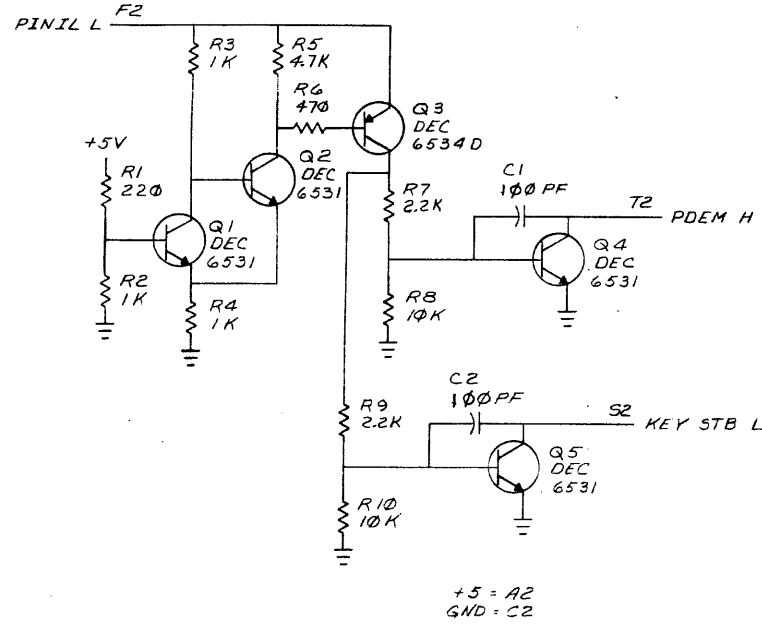
REVISIONS DATE ENG'D REV'	DATE	12-1-71	TRANSISTOR & DIODE CONVERSION CHART DEC    EIA    DEC	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE	CHARACTER GENERATOR ROM		
	DATE	12-5-71			SIZE	D    CS	NUMBER	M7724-0-1
	DATE	1-10-72			PRINTED CIRCUIT REV.	B	REV.	A
	DATE							

REV. A  
M7724-0-1  
D CS

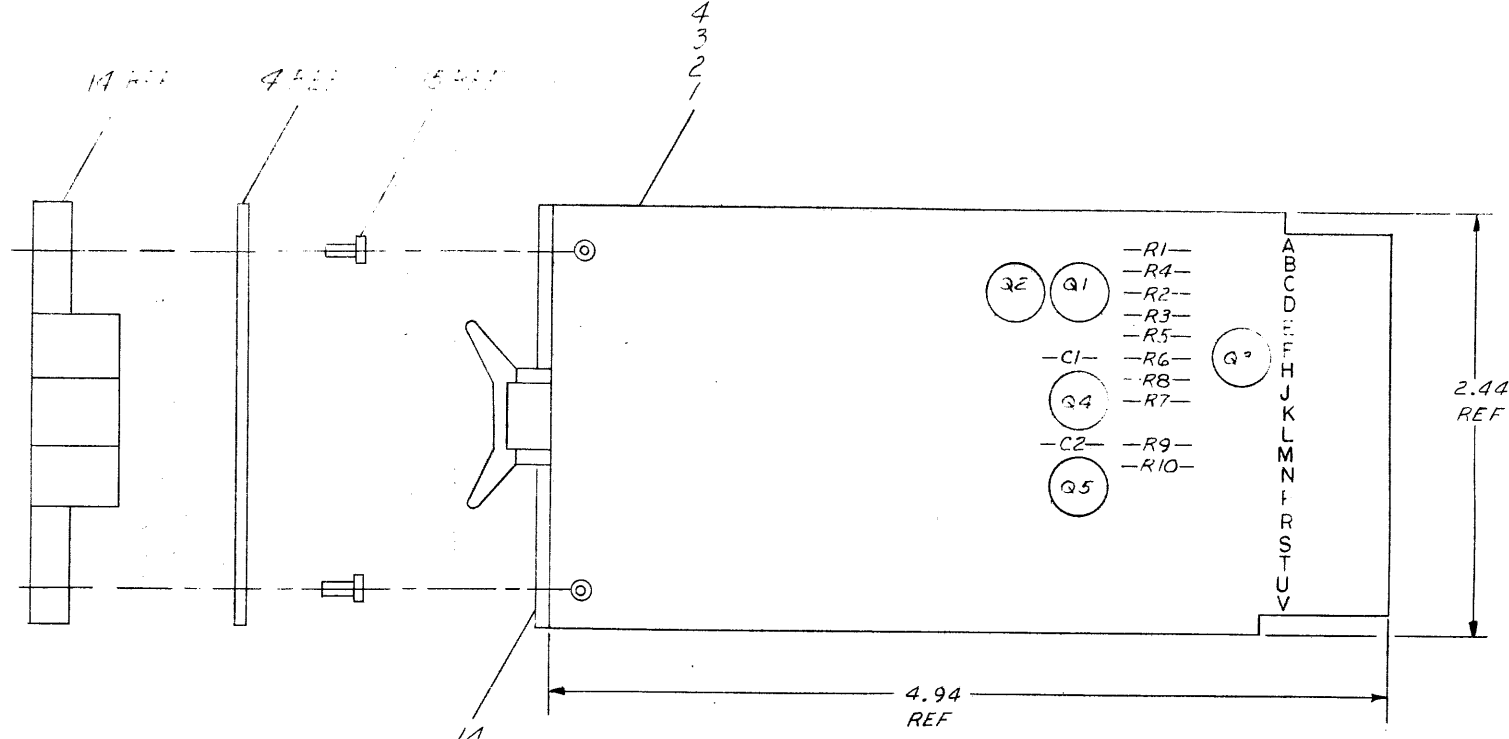
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NOTES:

1. UNLESS OTHERWISE SPECIFIED,  
RESISTANCE IS IN OHMS,  
CAPACITANCE IS IN PICO FARADS.



+5 = A2  
GND = C2



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2		EYELET, #GS-4-7 E.B. STIMPSON	9006732	15
1		HANDLE, FLIP CHIP, GREEN	9008337-1	14
1	Q3	TRANSISTOR DEC 6534D	1503409	13
4	Q1, Q2, Q4, Q5	TRANSISTOR DEC 6531	1509338	12
2	R8, R10	RES. 10K 1/4 W 5%	1305479	11
3	R2, R3, R4	RES. 1K 1/4 W 5%	1300365	10
1	R5	RES. 47K 1/4 W 5%	1300447	9
1	R1	RES. 220 1/4 W 5%	1300271	8
2	R7, R9	RES. 2.2K 1/4 W 5%	1300417	7
1	R6	RES. 470 1/4 W 5%	1300316	6
2	C1, C2	CAP 100 PF, 300V, 5% DM	1000017	5
1		ETCHED CIRCUIT BOARD	5010195	4
REF		MODULE ECO HISTORY	B-MH-58004-0-6	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-58004-0-5	2
REF		XY COORDINATE HOLE LOCATION	K-CO-58004-0-4	1

**REVISIONS**

CHK	CHANGE NO.	REV
ref	GS004-0001	B

**SEMICONDUCTOR CONVERSION CHART**

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

**PARTS LIST**

ETCH BOARD REV	B

**digital EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

TITLE: **POWER FAIL**

DATE: 6-21-72  
CHK'D: [signature]  
ENG. [signature]  
PROJ. ENG. [signature]  
PROD. [signature]

SCALE: [blank]  
SHEET [blank] OF [blank]

SIZE CODE: L CS 68004-0-1  
NUMBER: [blank]  
REV: C

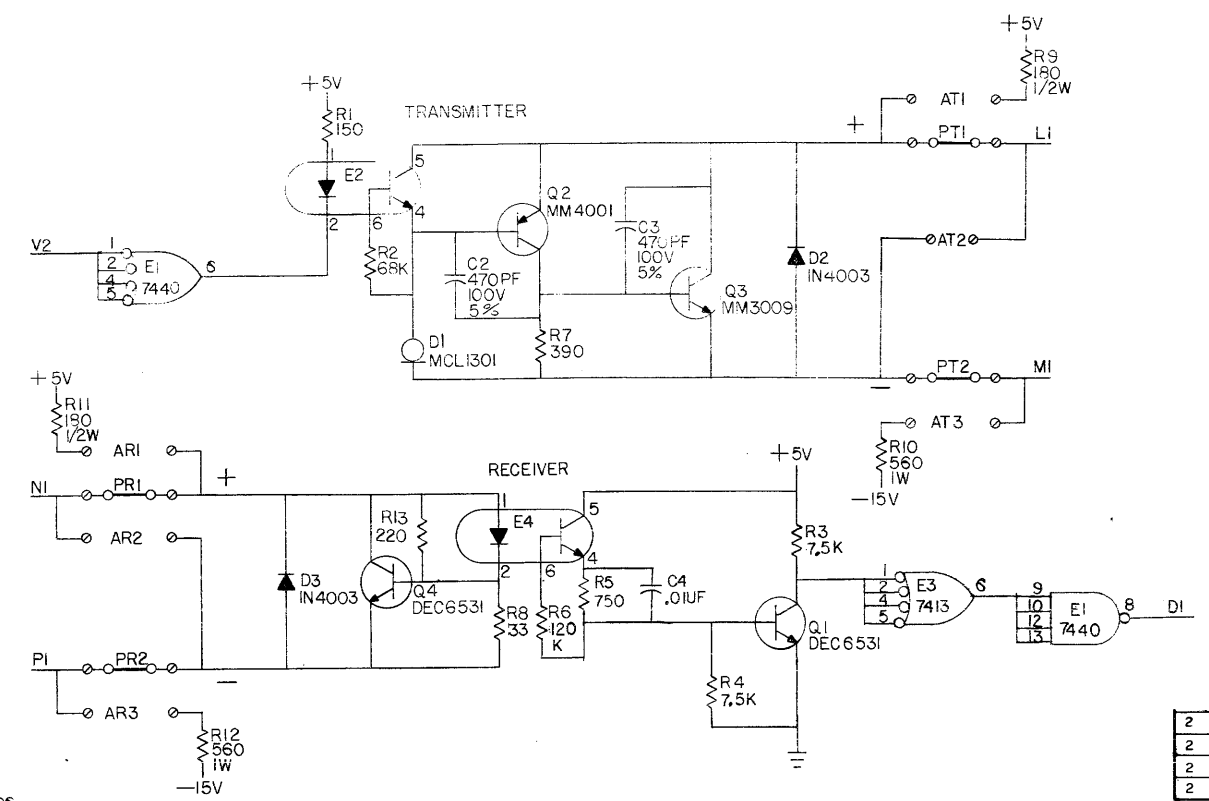
IC PIN LOCATIONS

IC TYPE	GND	+5V

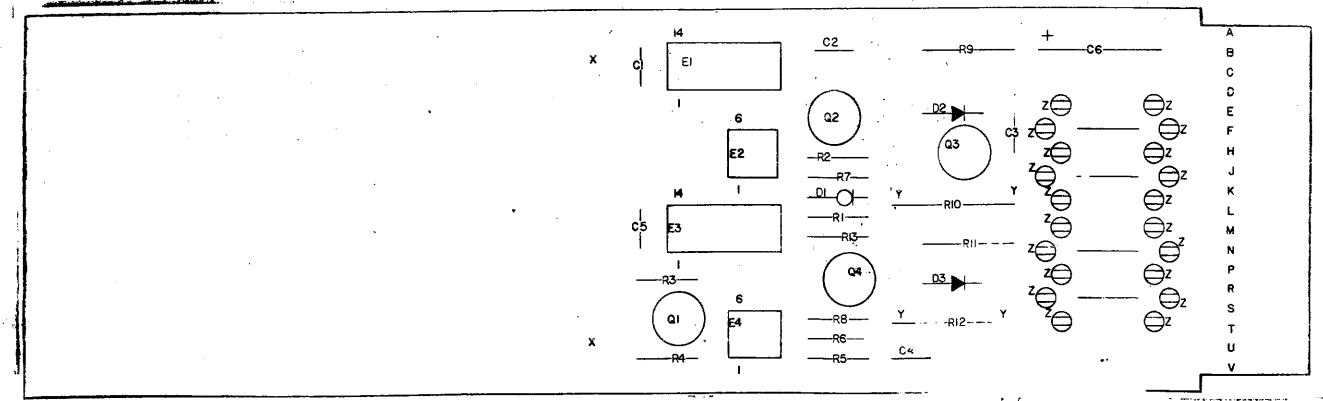
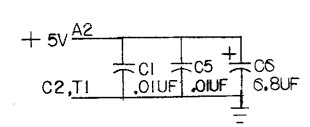
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

DEC FORM NO. 040-1354  
DRAWING 40522 11699

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UNLESS OTHERWISE INDICATED:  
RESISTORS ARE 1/4W 5%  
PIN 14 = GND ON E1, E3  
NOTE:  
D1 IS A 1.0mA CONSTANT CURRENT DIODE



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2		SCREW, NYLON 4-40 x 3/8	9006401	33
2		PHENOLIC SPACER 4-40 x 3/8	9006966	32
2		TRANSI PAD	9007200	31
2		PLASTIC TRANS CAP.	9008351-0	30
1	R6	RES. 120K 1/4W 5%	1300539	29
1	R5	RES. 750 1/4W 5%	1301401	28
1	E3	I.C. DEC 7413	1909989	27
1	E1	I.C. DEC 7440	1904579	26
1		HANDLE, FLIECHIP, MAGENTA	9008337-06	25
20		SPLITTING	9006735	24
2		EYELET	9006732	23
2	E2, E4	ISOLATOR OPTIC	1510727	22
1	Q3	TRANS. MM 3009	1510592	21
1	Q2	TRANS. MM 4001	1510591	20
2	Q1, Q4	TRANS. DEC 6531	1509338	19
2	R10, R12	RES. 560 1/4W 5%	1303048	18
1	R13	RES. 220 1/4W 5%	1300271	17
1	R2	RES. 68K 1/4W 5%	1301327	16
2	R3, R4	RES. 7.5K 1/4W 5%	1301422	15
1	R7	RES. 390 1/4W 5%	1300309	14
2	R9, R11	RES. 180 1/4W 5%	1300260	13
1	R1	RES. 150 1/4W 5%	1300250	12
1	R8	RES. 33 1/4W 5%	1300197	11
A/R		GRIFLET	1210244-0	10
1	D1	DIODE MCL 1301	1105510	9
2	D2, D3	DIODE 1N4003	1103448	8
1	C6	CAP. 6.8UF 35V 10%	1005306	7
3	C1, C4, C5	CAP. .01UF 100V 20% DISC	1001610	6
2	C2, C3	CAP. 470PF, 100V, 5% DM	1000024	5
1		ETCHED CIRCUIT BOARD	5009823	4
		MODULE ECO HISTORY	B-MH-M598-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M598-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M598-0-4	1

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

ETCH BOARD REV		C	
DRN. <i>R. Fitch</i>	DATE 11-9-71		
CHK'D. <i>W. McCree</i>	DATE 11-12-71		
ENG. <i>R. Fitch</i>	DATE 11-29-71		
PROJ. ENG. <i>R. Fitch</i>	DATE 11-29-71		
PROD.	DATE		
NEXT HIGHER ASSY		DF-1-K	
DEC. NO.	EIA. NO.	DEC. NO.	EIA. NO.
SCALE			
SHEET OF			
SIZE CODE	NUMBER	REV.	
D/CS	M598-0-1	C	

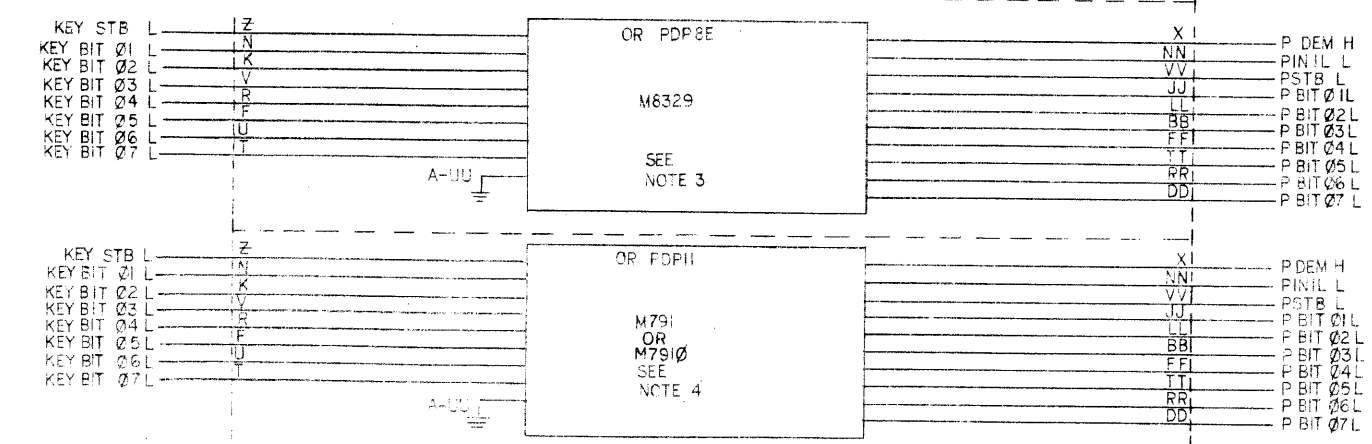
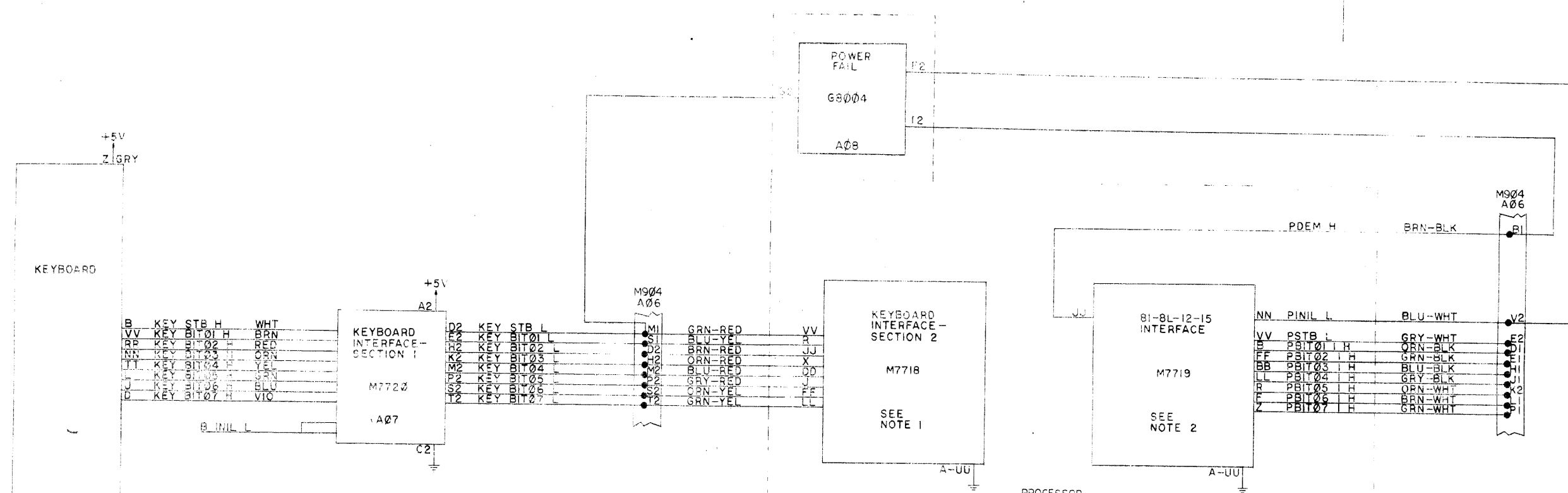
CHK	CHANGE NO.	REV
	M598-00001	B

REF. DESIGNATION	DESCRIPTION	DEC. NO.	EIA. NO.
DEC6531	MPS6531		
IN 4003	SAME		
MCL1301			
MM 4001			
MM 3009			
D664	IN3606		

SEMICONDUCTOR CONVERSION CHART			
DRN. <i>R. Fitch</i>	DATE 11-9-71		
CHK'D. <i>W. McCree</i>	DATE 11-12-71		
ENG. <i>R. Fitch</i>	DATE 11-29-71		
PROJ. ENG. <i>R. Fitch</i>	DATE 11-29-71		
PROD.	DATE		
NEXT HIGHER ASSY		DF-1-K	
DEC. NO.	EIA. NO.	DEC. NO.	EIA. NO.
SCALE			
SHEET OF			
SIZE CODE	NUMBER	REV.	
D/CS	M598-0-1	C	

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NOTES  
 1 REPLACES TTY INTERFACE CARD M706  
 2 REPLACES TTY INTERFACE CARD M707  
 3 REPLACES TTY INTERFACE CARD M865 OR M865A  
 4 M791 REPLACES TTY INTERFACE CARD M780  
 5 M791 REPLACES TTY INTERFACE CARD M780



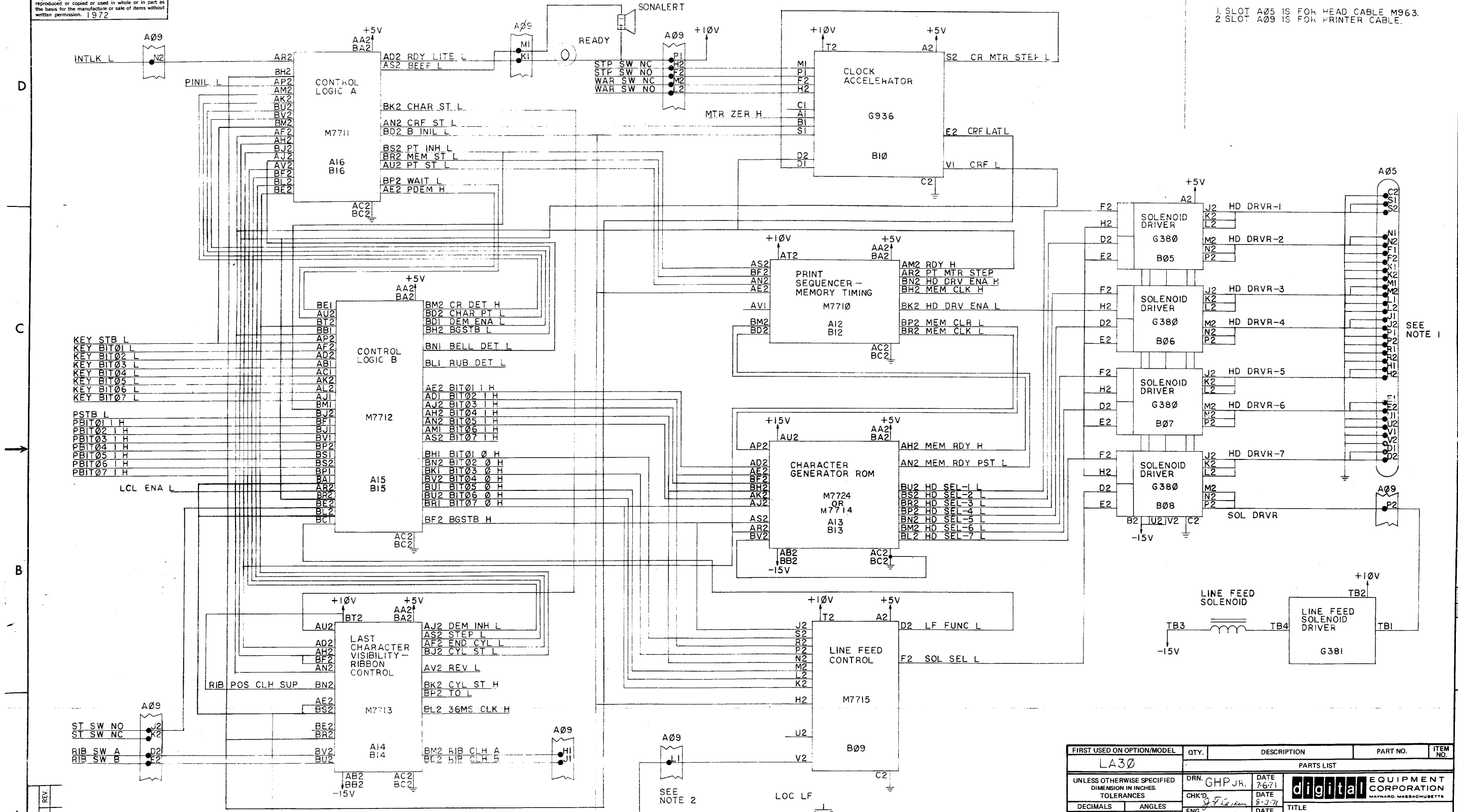
REV	CHG	NO	DATE	BY
A	LA30-00015	1-22-71	W. J. Williams	9-22-71
B	LA30-00018	10-1-71	C. Youse	
C	LA30-00030	10-27-71	C. Youse	
D	LA30-00048	1-20-72	C. Youse	
E	LA30-00051	2-1-72	C. Youse	
F	LA30-00065	1-19-72	C. Youse	
G	LA30-00073	4-5-72	C. Youse	
H	LA30-00078	10-2-72	C. Youse	
K	LA30-00078	10-2-72	C. Youse	

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
LA30				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XXX ± .005	± 0° 30'	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
REMOVE BURRS AND BREAK SHARP CORNERS TO IMPROVE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE		NUMBER		REV
1-M L A30-2		DIBS LA30-2-4		K
SHEET OF 2 DIST				

REV K  
 NUMBER 4  
 SIZE 11x17  
 DIBS LA30-2-4

NOTES:  
 1. SLOT A05 IS FOR HEAD CABLE M963.  
 2. SLOT A09 IS FOR PRINTER CABLE.

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN. GHP JR.	DATE 7-6-71	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TOLERANCES		CHK'D. J. F. [Signature]	DATE 8-3-71	
DECIMALS	ANGLES	ENG. [Signature]	DATE 8-6-71	
.XXX = .005	±0° 30'	PROJ. ENG. [Signature]	DATE 8-6-71	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. [Signature]	DATE [Signature]	TITLE <b>CONTROL LOGIC</b>
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	SCALE		D BS	LA30-0-4
SHEET 2 OF 3		DIST.		REV. K

REV.	CHANGE NO.

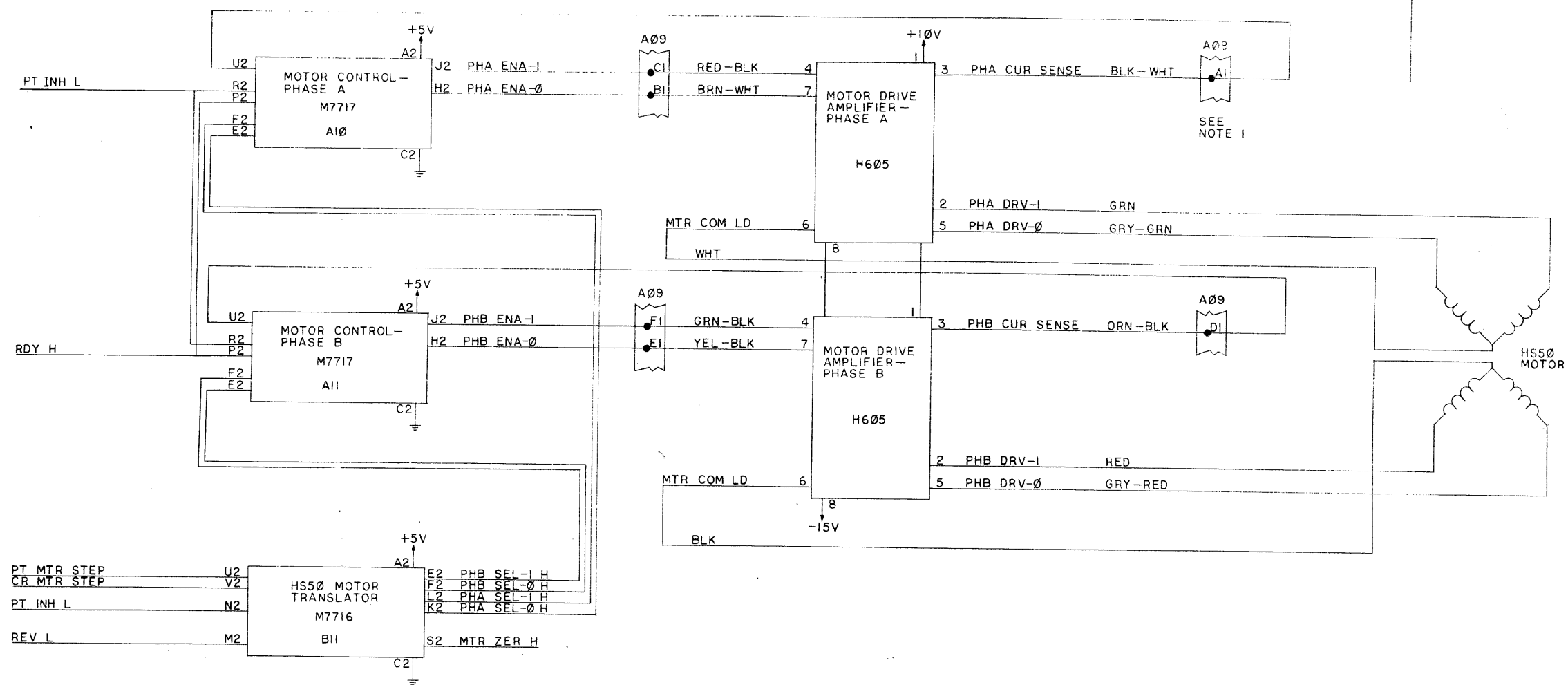
REV. K  
NUMBER  
LA30-0-4



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LA30-2-4

NOTES  
1. SLOT ADDRESS FOR PRINTER CABLE.



REV	
CHANGE NO.	
CHK	

DEC FORM NO. DRJ 100-A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. GHPJR. DATE 6-30-71		
DECIMALS	ANGLES	CHK'D. DATE		
.XXX = .005	±0° 30'	ENG. DATE 6-6-71	TITLE	
.XX = .02		PROJ. ENG. DATE 5-6-71	CONTROL LOGIC	
.X = .1		PROD. DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	SCALE		D E S	LA30-2-4
	SHEET 3 OF 3	DIST		REV. K

REV. K  
NUMBER  
LA30-0-4

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NOTES:  
1. SLOT A18 AND B18 ARE RESERVED FOR DF11 COMMUNICATION OPTION.

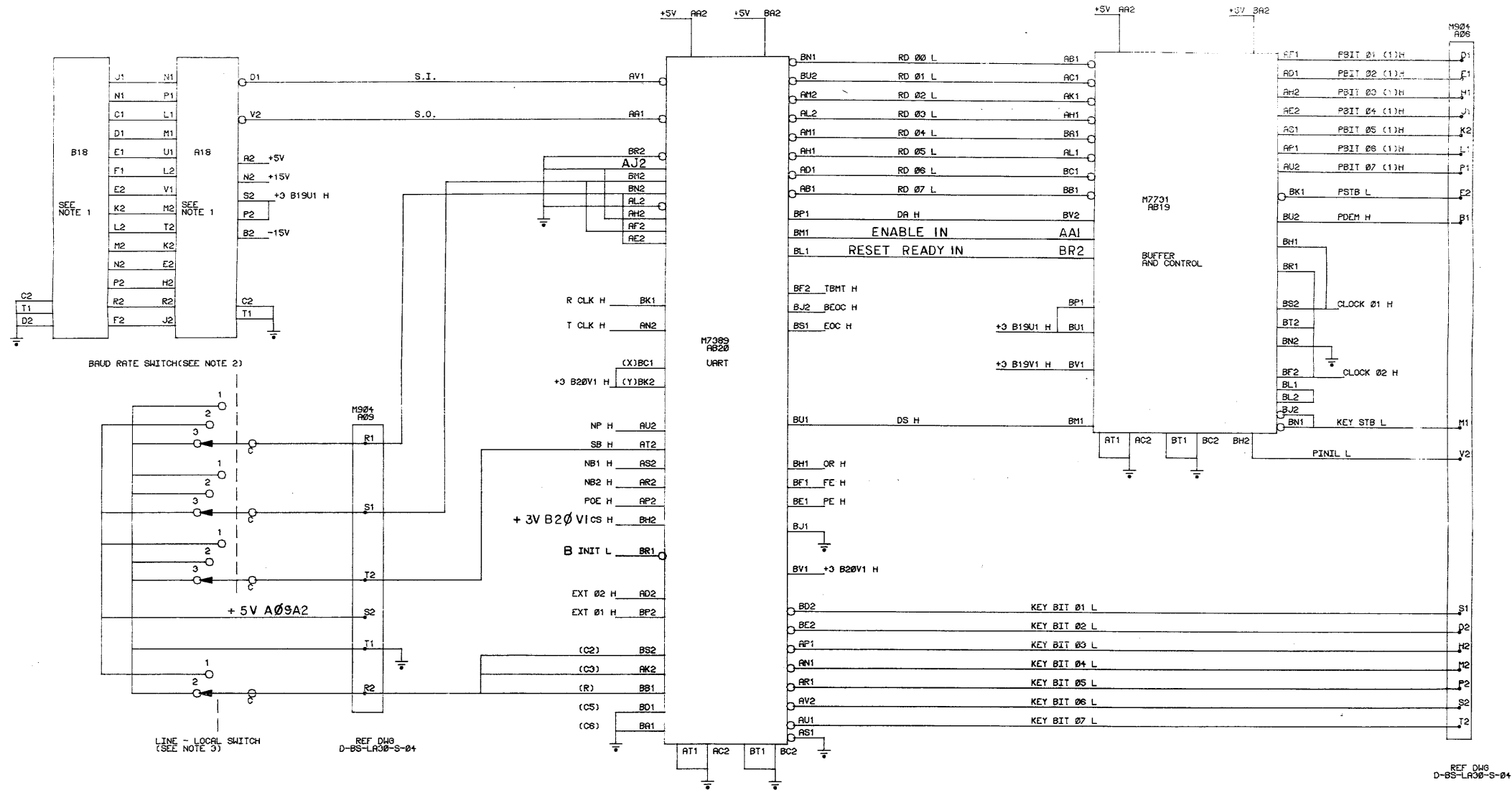
DF11 OPTION	SLOT A18	SLOT B18
DF11-A	M594	BC01-R
DF11-K	M598	M573

2. BAUD RATES

POSITION 1	110 BAUD
POSITION 2	150 BAUD
POSITION 3	300 BAUD

3. LINE - LOCAL

POSITION 1	LOCAL
POSITION 2	ON LINE

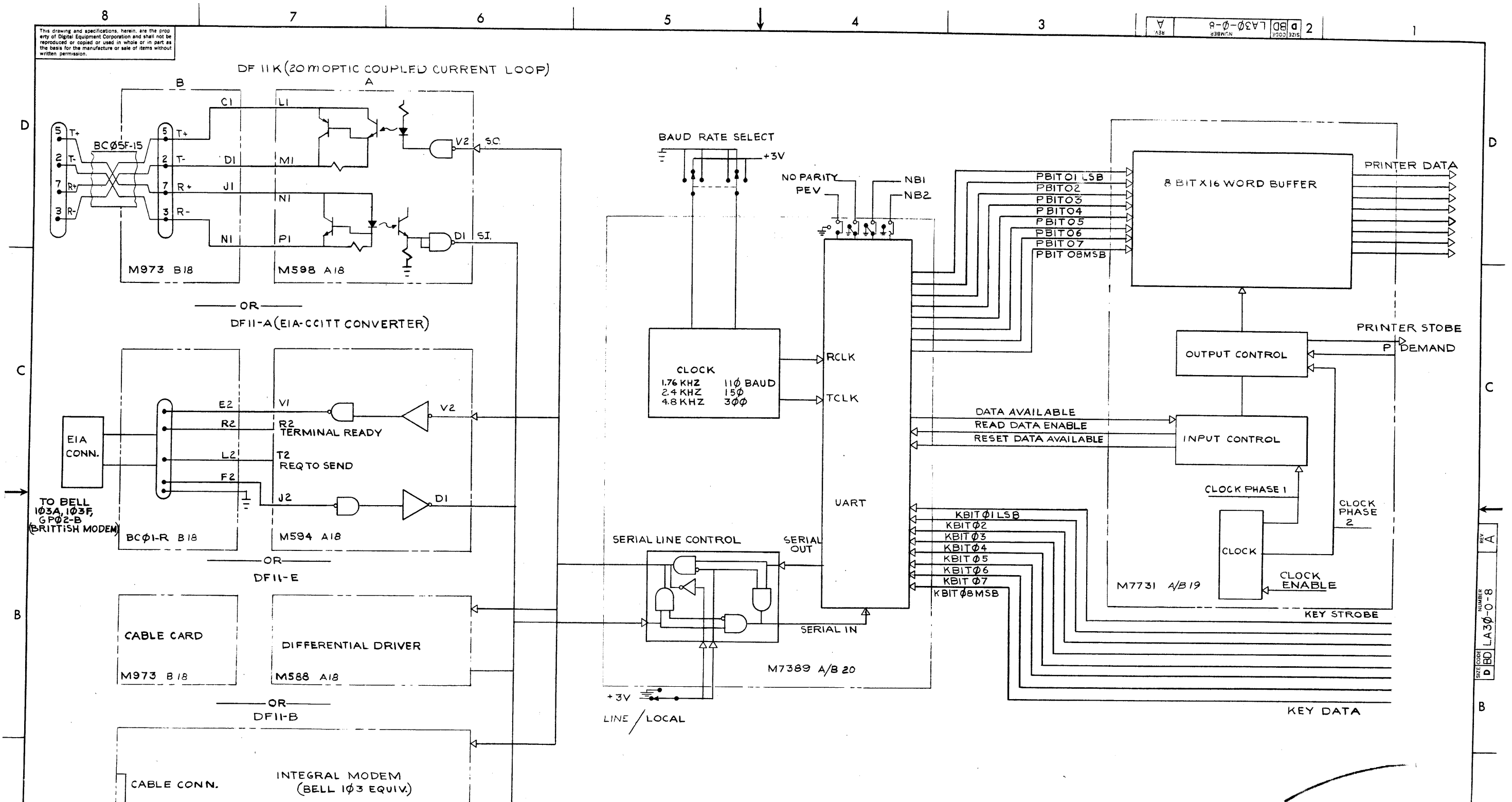


REVISIONS		
CHK.	CHANGE NO.	REV.
AK	LA30-00062	A
C.YOUSE		
3-2-72		

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN.	DATE	
TOLERANCES		CHK'D.	DATE	
DECIMALS	ANGLES	ENG.	DATE	
.XXX = .005 .XX = .02 .X = .1	±0°30'	PROJ. ENG.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE	TITLE
MATERIAL		NEXT HIGHER ASSY.		LOGIC
FINISH		SCALE	SHEET	NUMBER
		NONE	1 OF 1	LA30-0-07
				REV. A

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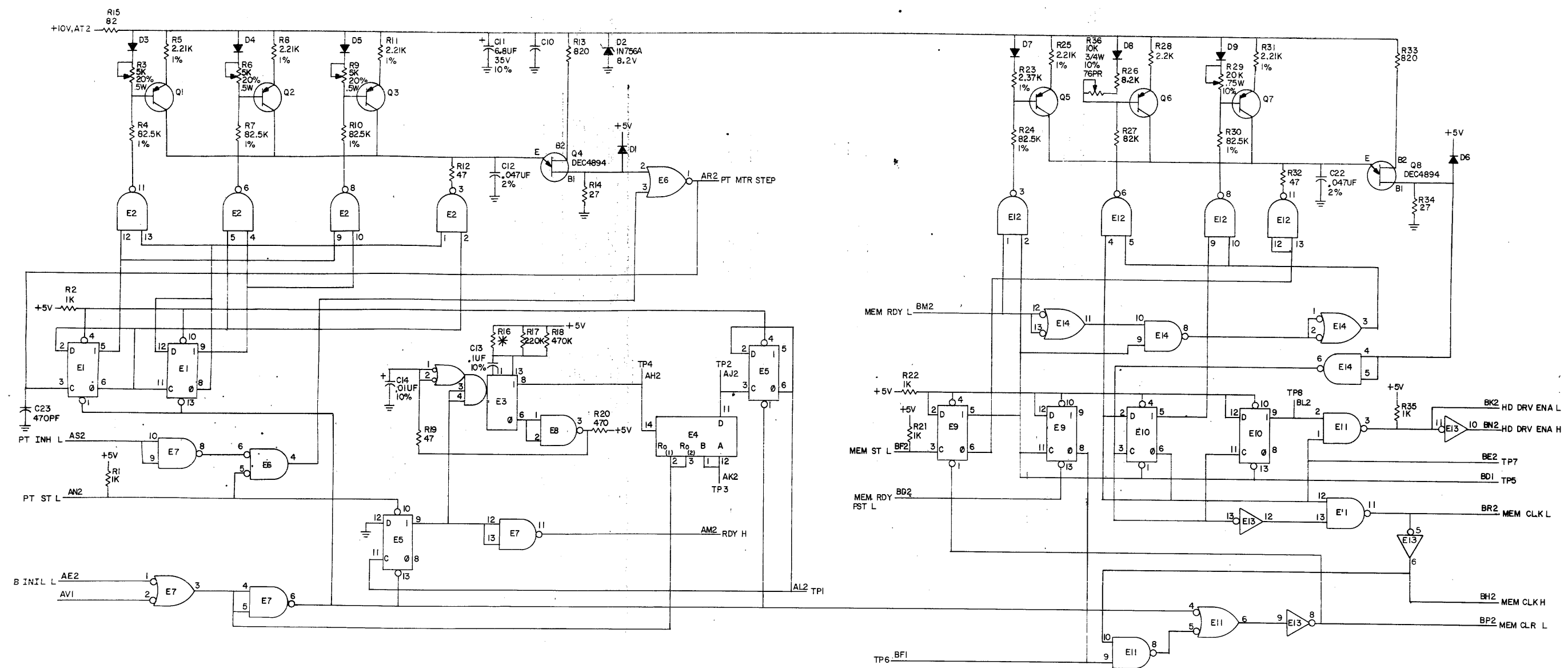
LA30-0-8



REV.	DATE	BY	CHK
A	11-9-71	DRN	DRN
	12-3-71	CHK'D	
	12-10-71	ENG'D	
	12-10-71	PROJ. ENG.	
	12-10-71	PROD.	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30-S				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XXX - .005	20° 30'	BLOCK DIAGRAM, (LA 30-S)		
.XX - .02		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
X = .1		MATERIAL		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.		
FINISH		AML-LA30-0	SIZE CODE D BD	NUMBER LA30-0-8
		SHEET	OF	DIST.

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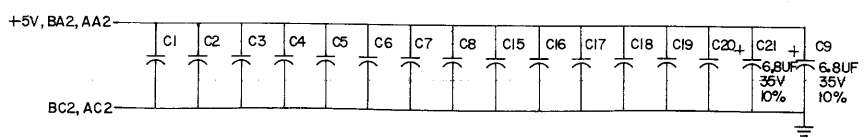
UNLESS OTHERWISE INDICATED:

- B2, E, B1 DEC4894
- RESISTORS = 1/4W, 5%
- CAPACITORS = .01UF, 100V, 20%
- DIODES = D664
- TRANSISTORS = DEC6534D
- DEC7474 = E1, E5, E9, E10
- DEC7400 = E7, E8, E11, E14
- DEC7402 = E6
- DEC7493 = E4
- DEC9601 = E3
- DEC7404 = E13
- DEC7426 = E2, E12
- PIN 10 = GND
- PIN 5 = +5V ON E4
- PIN 7 = GND
- PIN 14 = +5V ON ALL OTHER IC'S

\* R16 MAY BE CHOSEN FROM ONE OF THE FOLLOWING VALUES AS A COARSE PRINT TIME ADJUSTMENT

DEC P/N	VALUE
1300510	33K, 10 %
1302514	39K

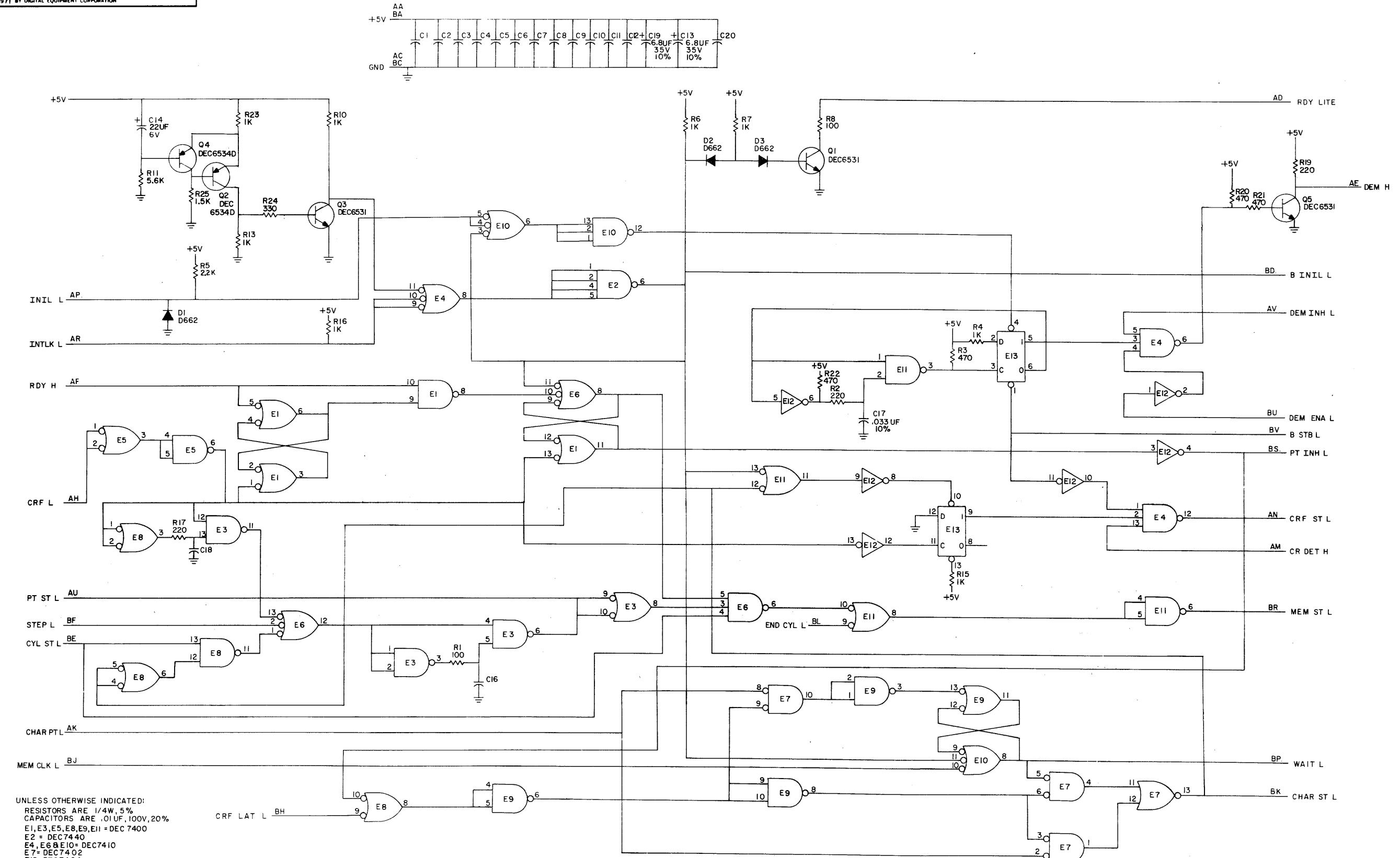
FINE ADJUSTMENT IS SELECTIVE REMOVAL OF R17 AND/OR R18  
 PRINT TIME IS 30 TO 33 M. SEC.



SIZE CODE D CS  
 NUMBER M7710-0-1  
 REV F

REVISIONS CHW: 7/7/00001 C 000002 D 000003 D 000004 E 000005 F	DATE 3/23/77	TRANSISTOR & DIODE CONVERSION CHART		<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PRINT SEQUENCER	
	DATE 2/11/77	DEC	EIA		SIZE D CS	
	DATE 1/11/77	D664	IN 3606		DEC6534D	NUMBER M7710-0-1
	DATE 1/11/77	DEC4894	IN 756A		MPS6534	REV F

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 CAPACITORS ARE .01UF, 100V, 20%  
 E1, E3, E5, E8, E9, E11 = DEC 7400  
 E2 = DEC 7440  
 E4, E6, E8, E10 = DEC 7410  
 E7 = DEC 7402  
 E12 = DEC 7404  
 E13 = DEC 7474  
 PIN 7 = GND  
 PIN 14 = +5V ON EACH IC

REV	NO	REV	DATE	BY
1	00001	B	3/23/71	S. COOPER
2	00002	C		
3	00003	C		
4	00004	D		
5	00005	E		
6	00006	F		

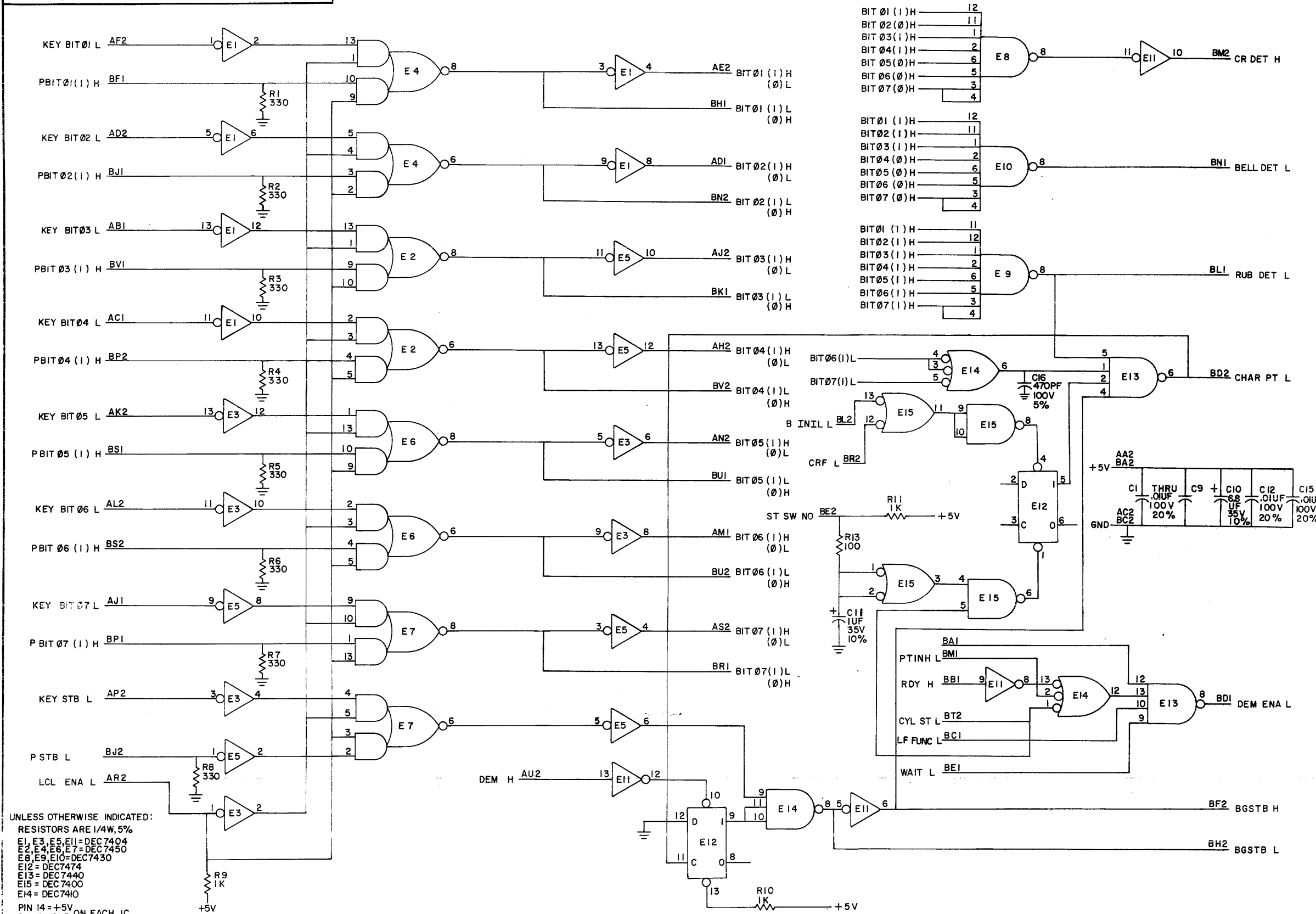
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D662	IN843	DEC6534D	MPS6534
		DEC6531	MPS6531

DRN	S. COOPER	DATE	3/23/71
CHK'D		DATE	
ENG		DATE	
PROD		DATE	

digital		CONTROL LOGIC A	
EQUIPMENT CORPORATION	SIZE 0	CODE CS	NUMBER M7711-0-1
MAYNARD, MASSACHUSETTS	PRINTED CIRCUIT REV.	F	

REFERENCE NUMBER  
 D. CS M7711-0-1

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 E1, E3, E5, E11 = DEC 7404  
 E2, E4, E6, E7 = DEC 7450  
 E8, E9, E10 = DEC 7430  
 E12 = DEC 7474  
 E13 = DEC 7440  
 E15 = DEC 7400  
 E14 = DEC 7410  
 PIN 14 = +5V  
 PIN 7 = GND ON EACH IC

REVISONS	CHK	CHG NO	REV	D
	00001			
	00002			
	00003			
	00004			

DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART			
S. Comp ER	5-27-71	DEC	EIA	DEC	EIA
CHK'D	DATE				
ENR	DATE				
PRD.	DATE				

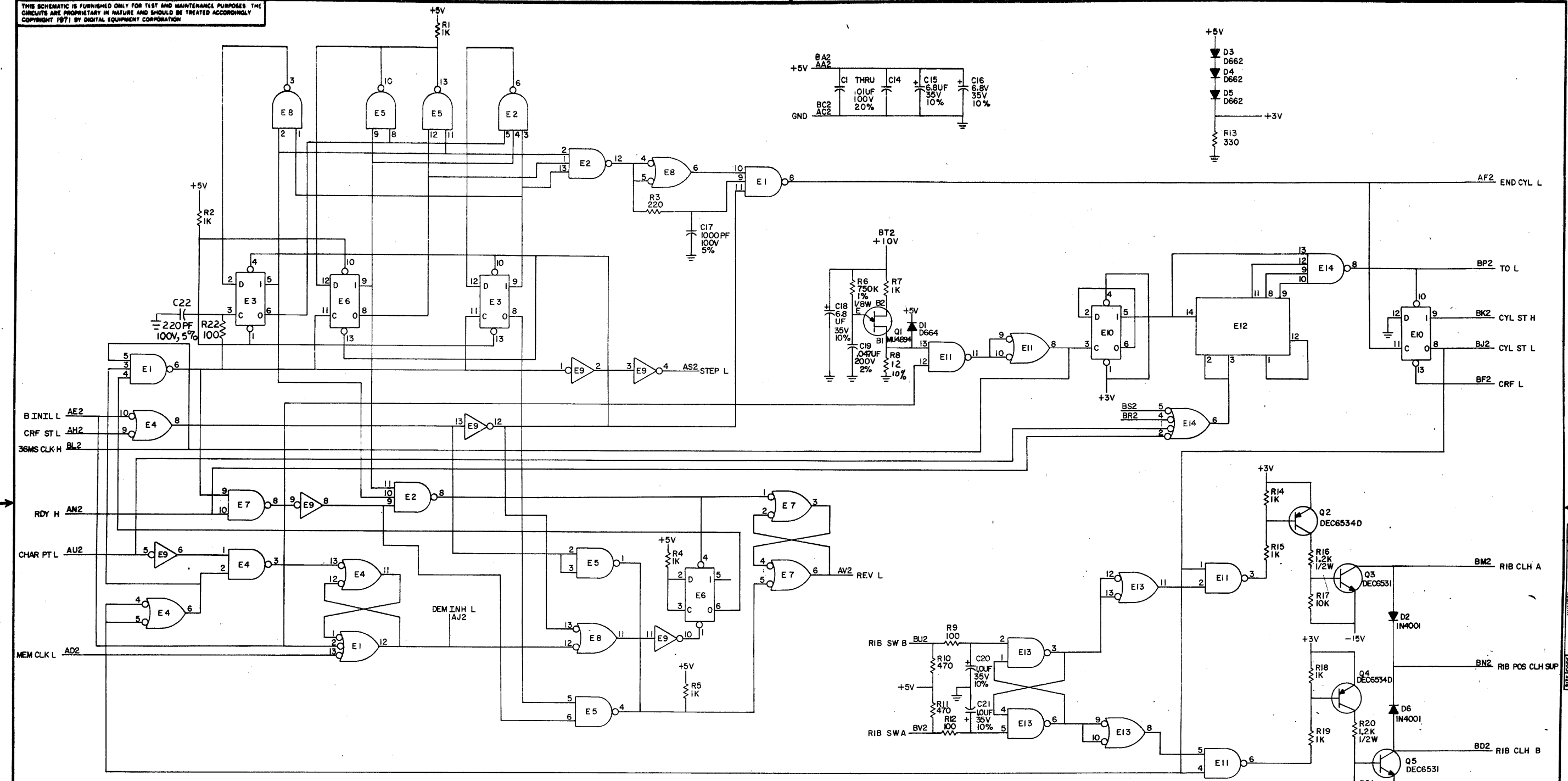
TITLE		SIZE	CODE	NUMBER	REV
digital CONTROL LOGIC B		C	CS	M7712-0-1	F
EQUIPMENT CORPORATION		PRINTED CIRCUIT REV			
MAYNARD, MASSACHUSETTS					

SIZE CODE C CS NUMBER M7712-0-1 REV. F

MS1118

pull

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 E4, E7, E8, E11 & E13 = DEC7400  
 E3, E6 & E10 = DEC7474  
 E1 & E2 = DEC7410  
 E5 = DEC7401  
 E9 = DEC7404  
 E12 = DEC7493  
 E14 = DEC7440

PIN 7 = GND ON E1-E11, E13 & E14  
 PIN 14 = +5V

PIN 10 = GND ON E12  
 PIN 5 = +5V ON E12



REVISIONS	DATE	BY	CHKD
1	5-5-71	S. COOPER	
2	5-11-71		
3	5-11-71		
4	5-11-71		
5	5-11-71		
6	5-11-71		
7	5-11-71		
8	5-11-71		
9	5-11-71		
10	5-11-71		
11	5-11-71		
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25	5-11-71		

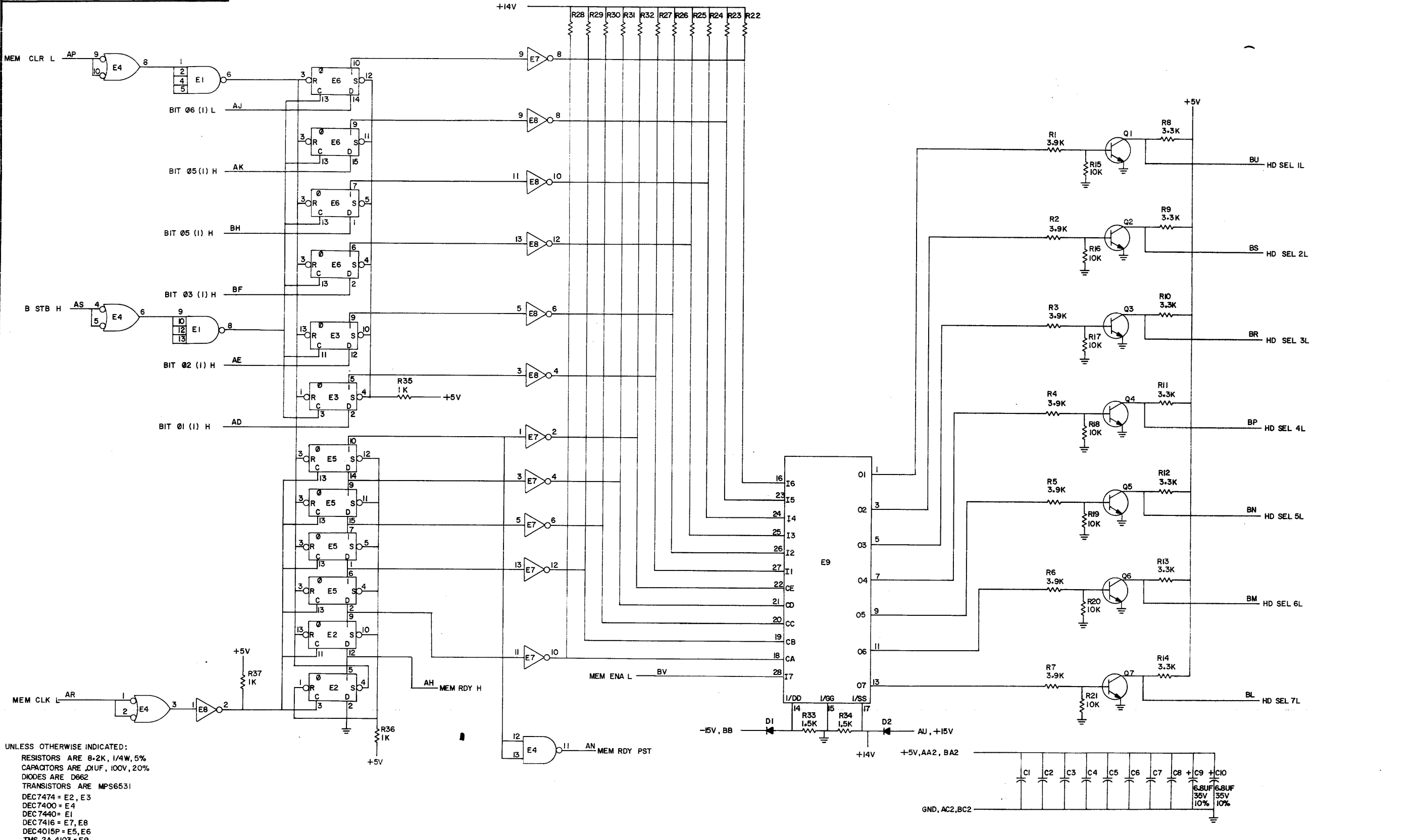
DATE	DATE	DATE	DATE
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5-11-71	5-11-71	5-11-71	5-11-71
5-11-71	5-11-71	5-11-71	5-11-71

DEC	EIA	DEC	EIA
D664	IN3606	DEC6531	MPS6531
D662	IN645	MU4894	
IN4001	SAME	DEC6534D	MPS6534D

**digital**  
**EQUIPMENT CORPORATION**  
 MATHEW, MASSACHUSETTS

TITLE	SIZE	CODE	NUMBER	REV
LCV	D	CS	M7713-0-1	F
PRINTED CIRCUIT REV.				

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 8-2K, 1/4W, 5%  
 CAPACITORS ARE .01UF, 100V, 20%  
 DIODES ARE D662  
 TRANSISTORS ARE MPS6531  
 DEC7474 = E2, E3  
 DEC7400 = E4  
 DEC7440 = E1  
 DEC7416 = E7, E8  
 DEC4015P = E5, E6  
 TMS 2A 4103 = E9  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V  
 PIN 8 = GND ON DEC 4015P  
 PIN 16 = +5V

REVISIONS

REV.	DATE	BY	CHKD.
1	2-9-71	W. J. W.	
2	2-24-71		
3	5/15/71		

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
MPS6531	SAME	D662	1N642

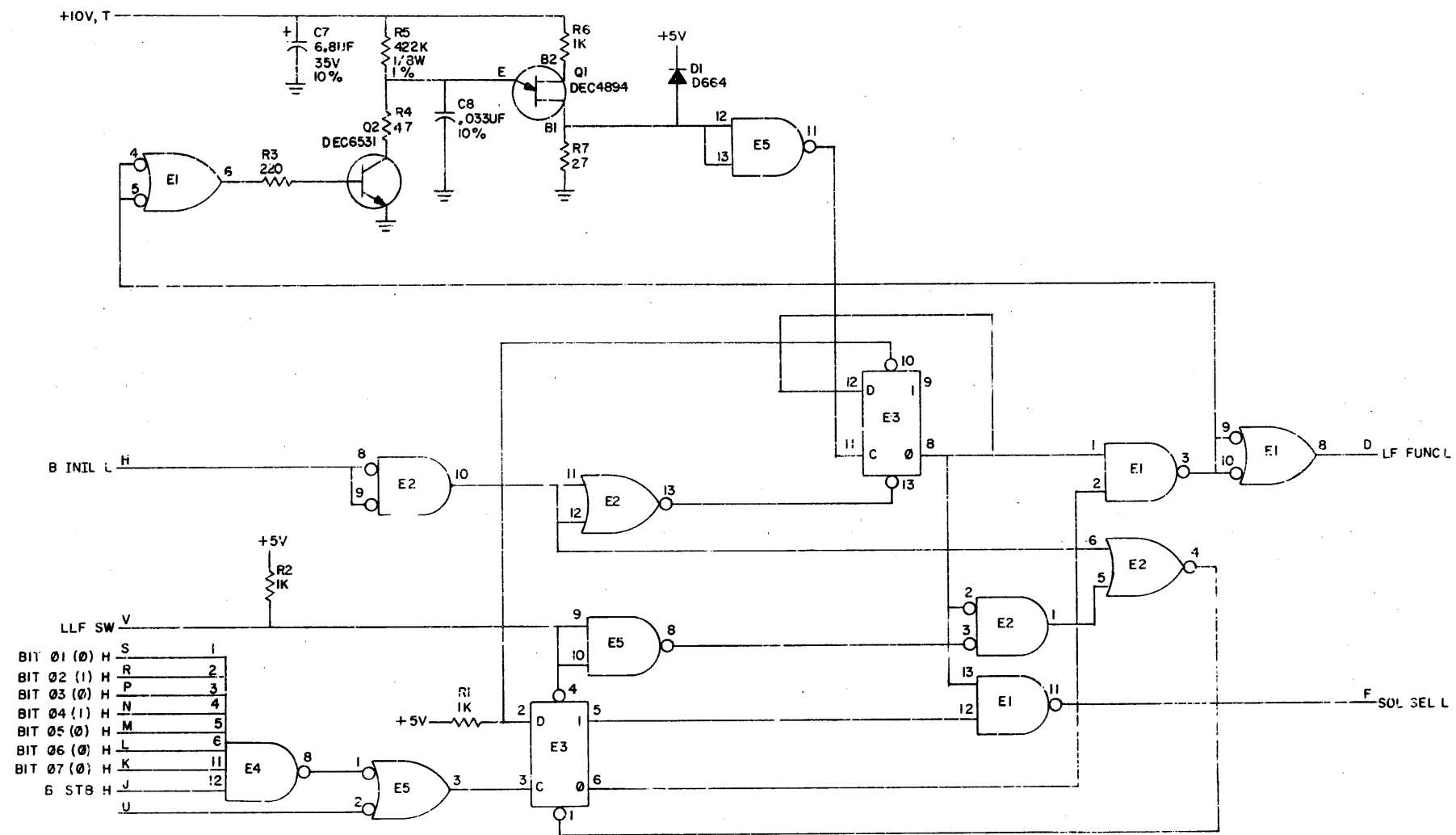
**digital** CHARACTER GENERATOR  
**EQUIPMENT CORPORATION**  
 300 N. MIDDLE STREET, BEDFORD, MASSACHUSETTS 01730

SIZE CODE: D CS  
 NUMBER: M7714-0-1  
 REV: A

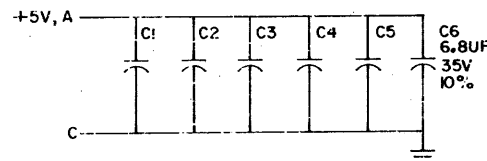
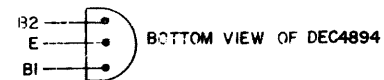
REV. A  
 NUMBER M7714-0-1  
 SIZE CODE D CS



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UNLESS OTHERWISE INDICATED:  
 CAPACITORS = .01UF, 100V, 20%  
 RESISTORS = 1/4W, 5%  
 DEC7400 = E1, E5  
 DEC7402 = E2  
 DEC7430 = E4  
 DEC7474 = E3  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V



REV C  
 NUMBER M7715-0-1  
 SIZE CODE C CS

REVISIONS	CHK	CHG	NO	REV
1	+	+	00001	C
2	+	+	00002	

DRN	DATE	2/10/71
WALSH MOORE		
CHK'D	DATE	3/24/71
ENG	DATE	11/9/71
PROD	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC6531	MP96531	D664	1N3606
DEC4894	MU4894		

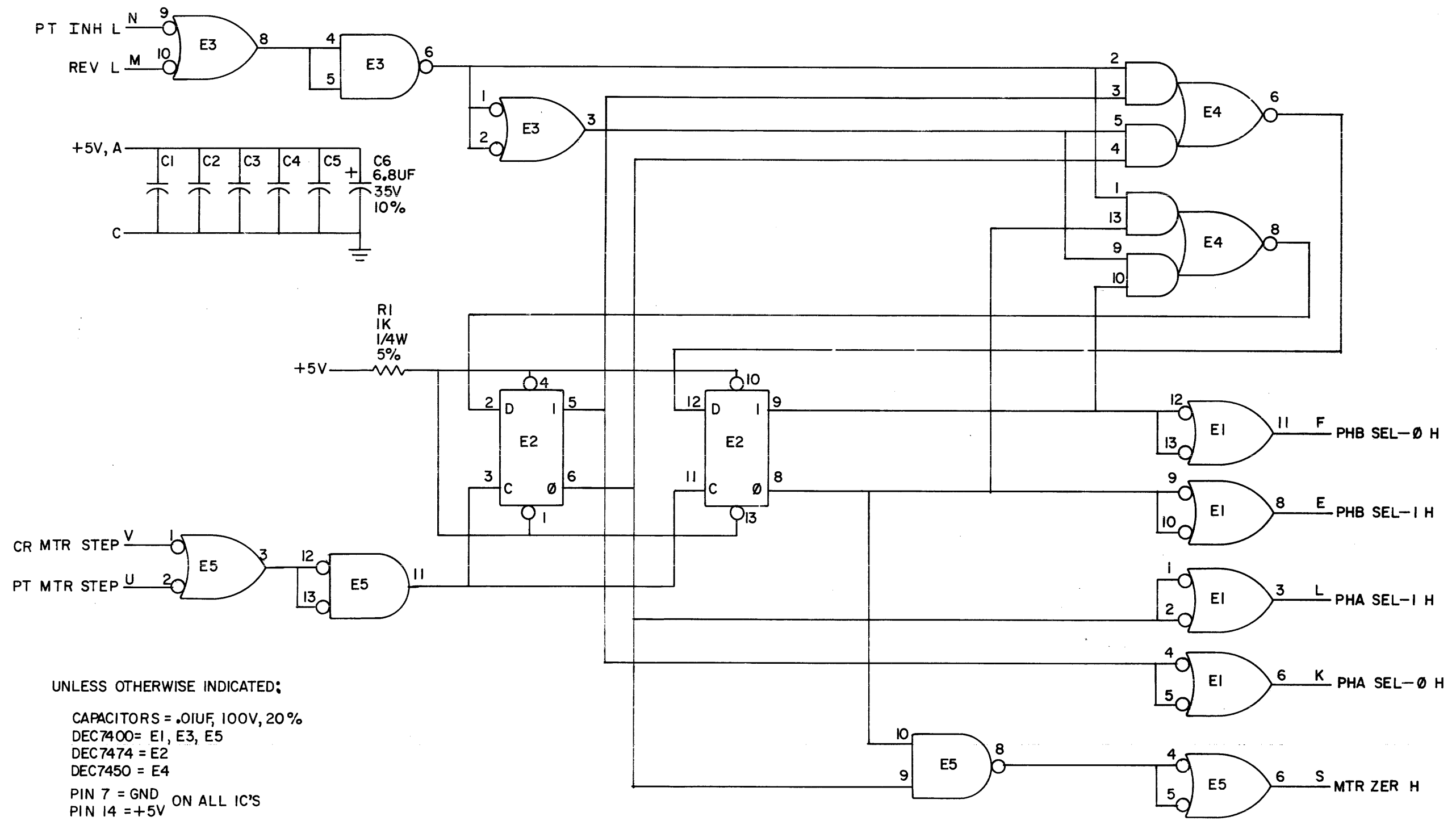
**digital** LINE FEED CONTROL

EQUIPMENT CORPORATION

NUMBER M7715-0-1

PRINTED CIRCUIT REV C

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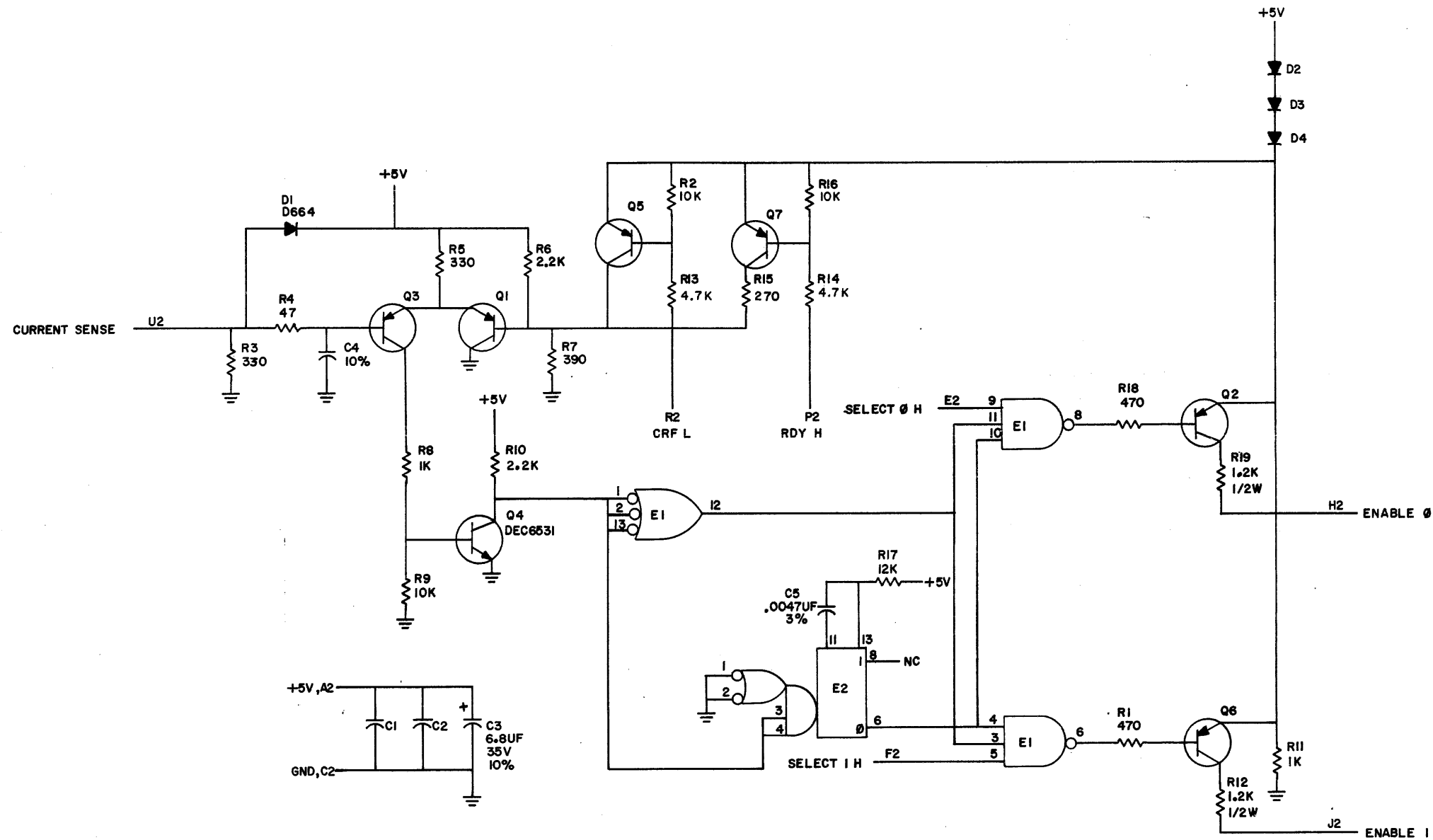


UNLESS OTHERWISE INDICATED:  
 CAPACITORS = .01UF, 100V, 20%  
 DEC7400= E1, E3, E5  
 DEC7474 = E2  
 DEC7450 = E4  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V

REVISIONS CHK CHG NO REV	DRN. <i>NANCY MOORE</i> DATE <i>2/9/71</i>	TRANSISTOR & DIODE CONVERSION CHART		EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE HS50 MOTOR TRANSLATOR		
	CHK'D <i>[Signature]</i> DATE <i>2/10/71</i>	DEC	EIA		SIZE B	CODE CS	NUMBER M7716-0-1
	ENG. <i>[Signature]</i> DATE <i>3/4/71</i>						
	PROD. DATE						
				PRINTED CIRCUIT REV. B		REV. A	

*S. P. INK*

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 CAPACITORS ARE .01UF, 100V, 20%  
 DIODES ARE D662  
 TRANSISTORS ARE DEC6534D  
 DEC 7410 = E1  
 DEC9601 = E2  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V

REVISIONS	CHK	CHG	NO	REV
1	W	W	00001	D
2	W	W	00002	D
3	W	W	00003	E

DRN	DATE	2-9-71
CHK	DATE	2/13/71
ENG	DATE	3/9/71
PROD	DATE	

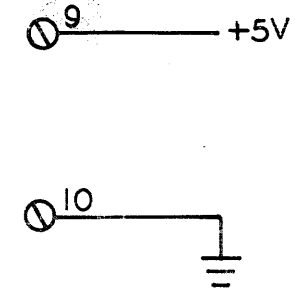
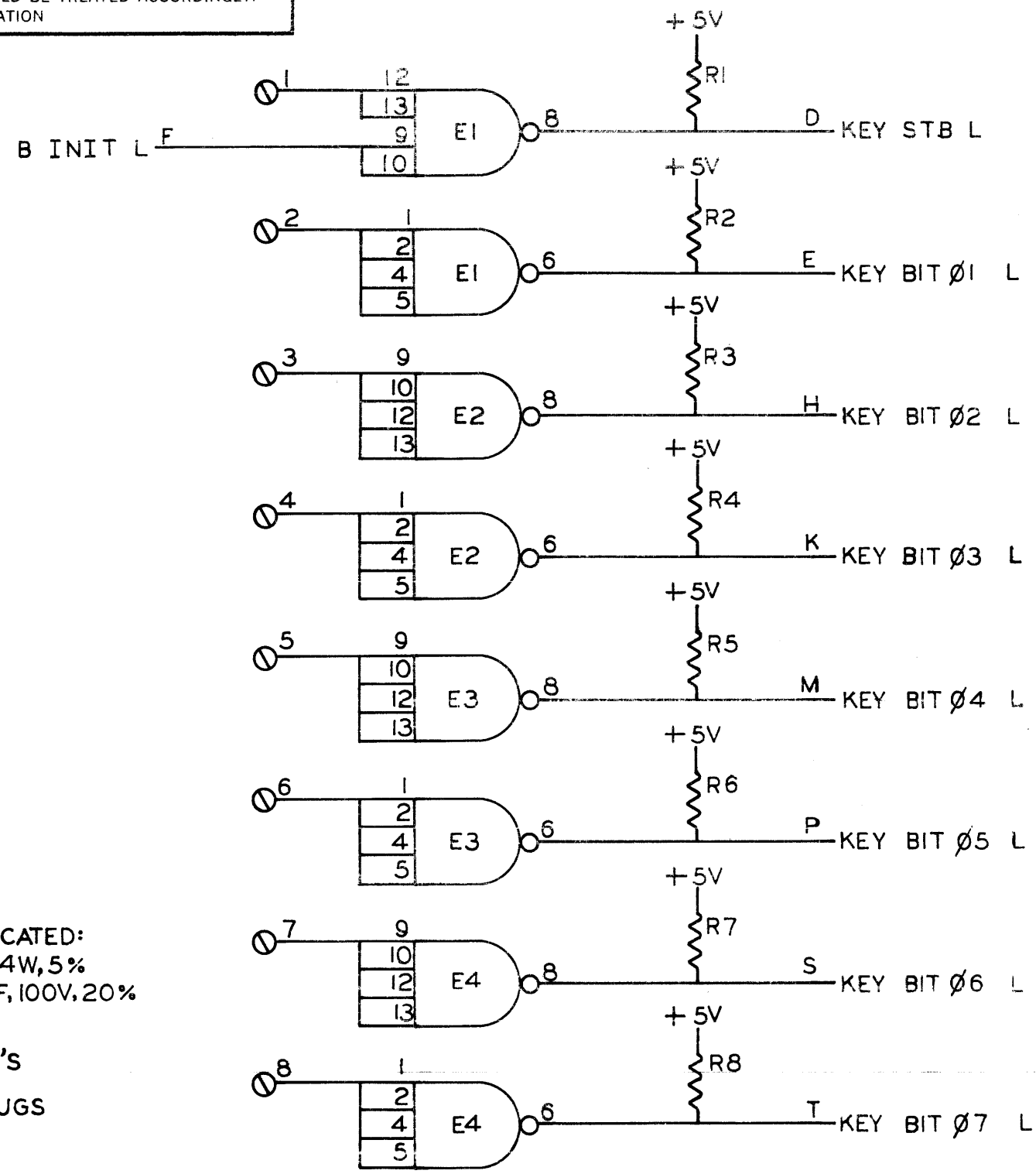
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 6534D	MPS 6534	D664	IN 5806
DEC 6531	MPS 6531	D662	IN 645



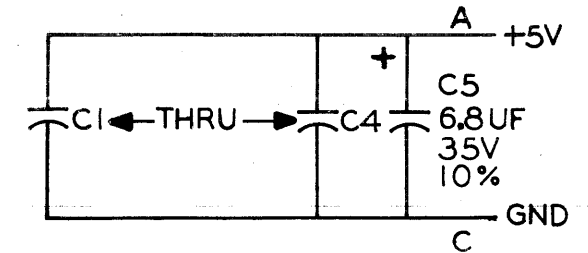
TITLE		MOTOR CONTROL	
SIZE	CODE	NUMBER	REV
C	CS	M7717-0-1	E
PRINTED CIRCUIT REV.			
C			

REV. E  
 NUMBER M7717-0-1  
 SIZE CODE C CS

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 220, 1/4W, 5%  
 CAPACITORS ARE .01UF, 100V, 20%  
 IC'S ARE DEC 7440  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V  
 ⊕ INDICATES SPLIT LUGS



REVISIONS	CHK	CHG NO.	REV	B	C	D
				00001	00002	00003

DRN. <i>Boyer/Douette</i>	DATE 3/16/71
CHK'D <i>Ordway</i>	DATE 3/19/71
EXG. <i>Chelofors</i>	DATE 5/5/71
PROD.	DATE

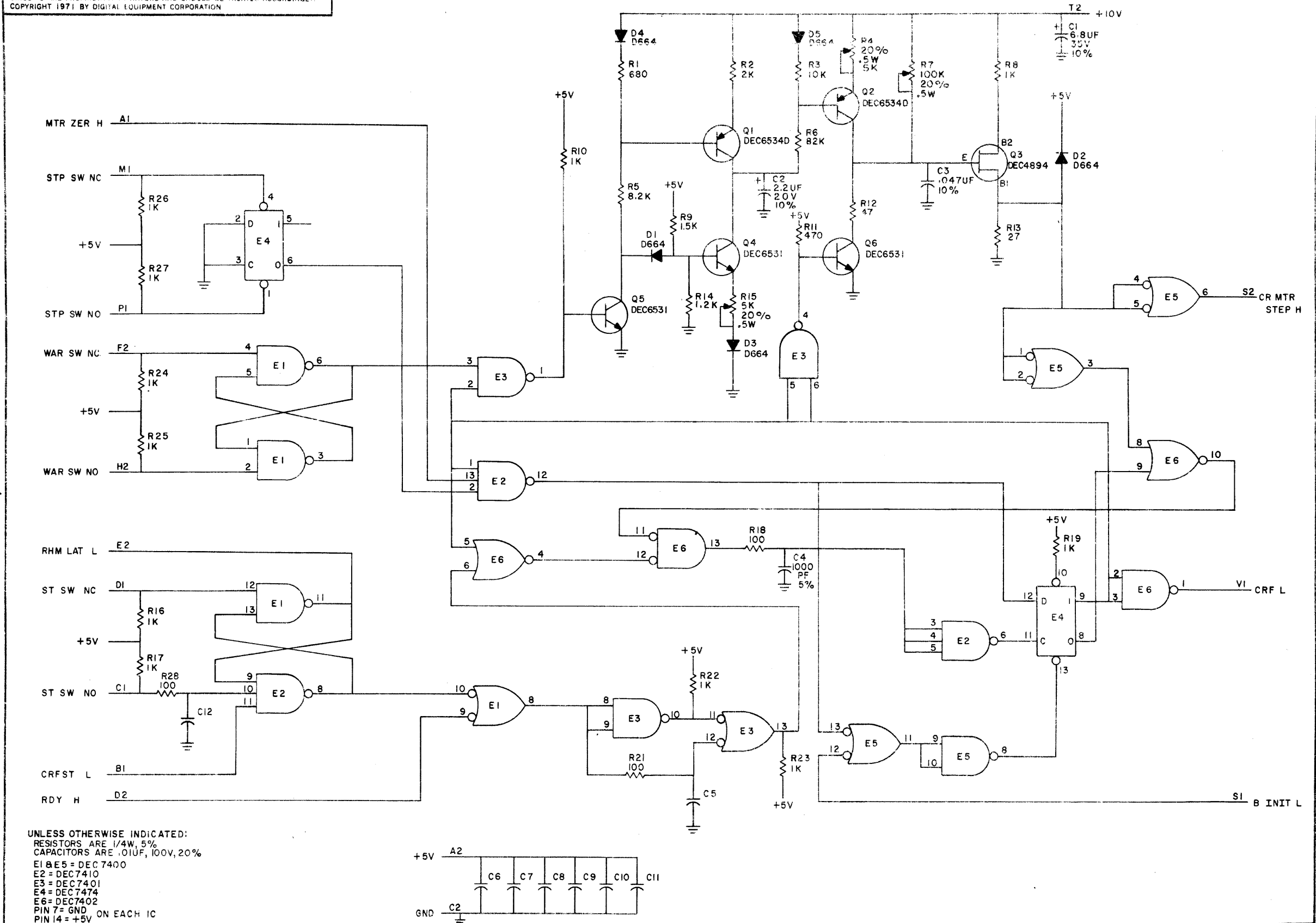
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

**digital**  
 EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

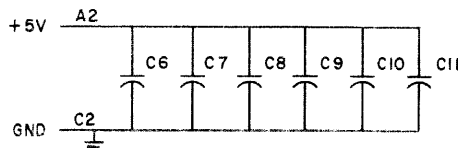
TITLE KEYBOARD INTERFACE (SEC I)			
SIZE B	CODE CS	NUMBER M7720-0-1	REV. D
PRINTED CIRCUIT REV.			D

*print. 1/2/71*

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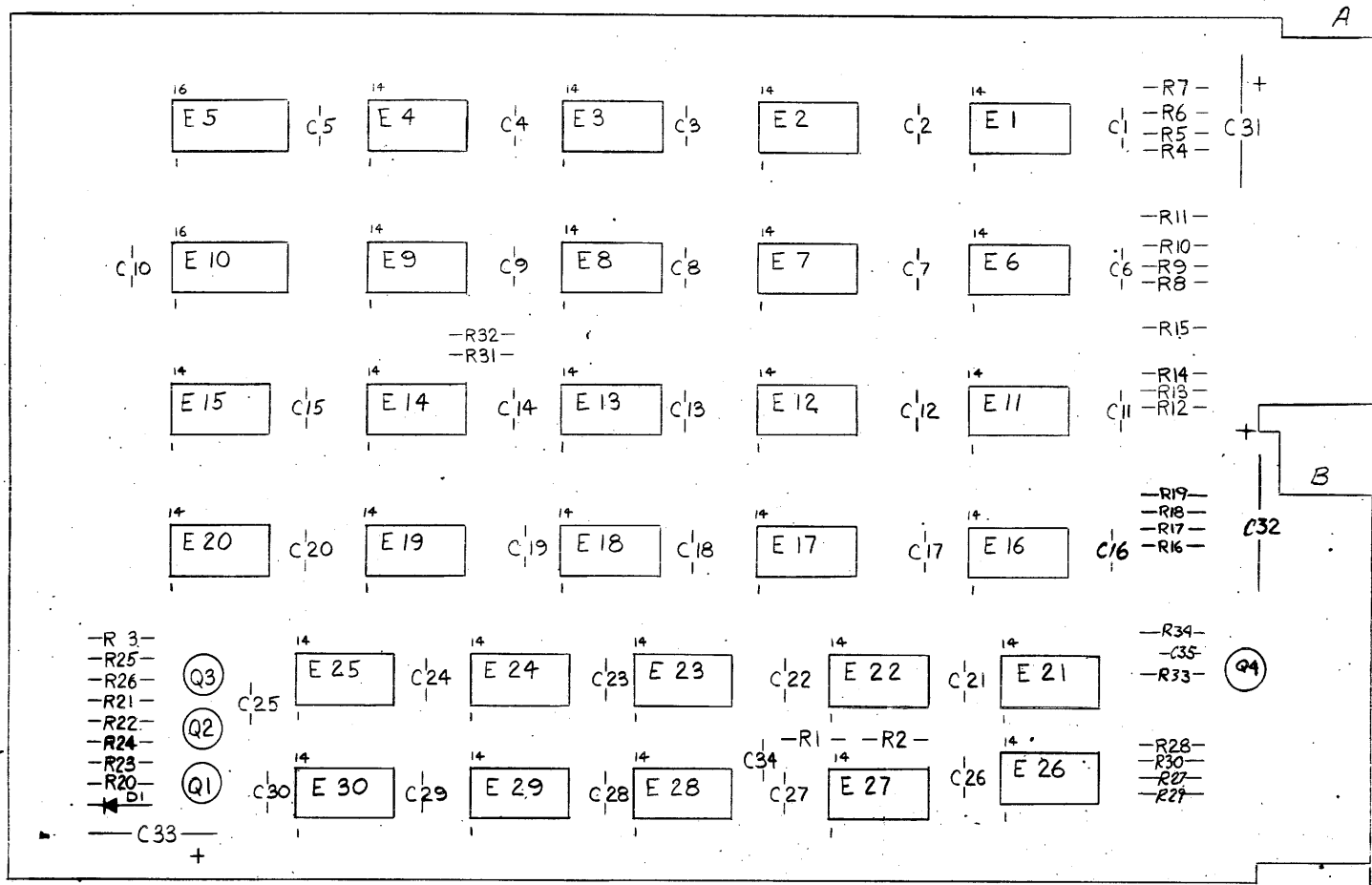
UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 CAPACITORS ARE .01UF, 100V, 20%  
 E1 & E5 = DEC 7400  
 E2 = DEC 7410  
 E3 = DEC 7401  
 E4 = DEC 7474  
 E6 = DEC 7402  
 PIN 7 = GND  
 PIN 14 = +5V ON EACH IC



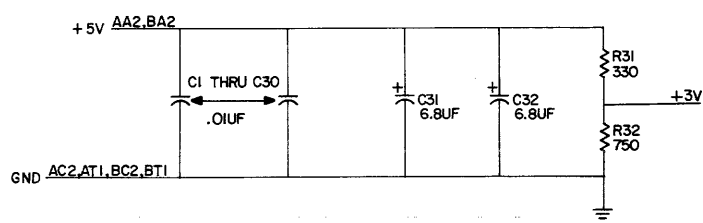
REVISIONS CHG NO. REV. DATE BY 1 00001 3/11/71 S. COOPER 2 00003 4/11/71 S. COOPER 3 00004 4/11/71 S. COOPER		DRN S. COOPER DATE 3/11/71 CHK'D DATE 4/11/71 ENGR DATE 4/11/71 PROD DATE		TRANSISTOR & DIODE CONVERSION CHART DEC EIA DEC EIA D664 IN3606 DEC6531 MPS6531 DEC4894 MU4894 DEC6534D MPS6534D				<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE <b>CLOCK ACCELERATOR</b> SIZE CODE NUMBER REV C CS G936-0-1 E	
--	--	--	--	--	--	--	--	---	--	--	--

REV. E  
 NUMBER 0-1  
 SIZE CODE CS G936-0-1

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NOTES:  
 PIN 10 = GND ON DEC7481  
 PIN 4 = +5V  
 PIN 8 = GND ON DEC4007  
 PIN 16 = +5V  
 PIN 7 = GND ON ALL OTHER IC'S  
 PIN 14 = +5V



QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.	REV.
1	R 34	RES. 3K 1/4W 5%	1300432	33
1	C 35	CAP. 330PF 100V, 5% D.M.	1000023	32
4		BYELET #054-7	9006732	31
2		HANDLER, PLIP CHIP - MAGENTA	9008337-06	30
3	E4, 9, 21	I.C. DEC 7417	1909867	29
2	E5, 10	I.C. DEC 4007	1909714	28
8	E1, 2, 6, 7, 11, 12, 16, 17	I.C. DEC 7481	1909712	27
1	E25	I.C. DEC 8242	1909686	26
1	E27	I.C. DEC 7404	1909604	25
4	E3, 8, 13, 18	I.C. DEC 7402	1905577	24
1	E29	I.C. DEC 7420	1905576	23
1	E24	I.C. DEC 7410	1905575	22
1	E30	I.C. DEC 7400	1905574	21
8	E14, 15, 19, 20, 22, 23, 26, 28	I.C. DEC 7474	1509338	20
2	Q3, Q4	TRANSISTOR DEC 6531	1503409-00	19
2	Q1, Q2	TRANSISTOR DEC 6534D	1302394	18
1	R20	RES. 30K 1/4W 5%	1301401	17
3	R28, 30, 32	RES. 750 1/4W 5%	1300479	16
4	R22, 23, 24, 25	RES. 10K 1/4W 5%	1300365	15
2	R21, R3	RES. 1K 1/4W 5%	1300295	14
4	R2, 27, 29, R31	RES. 330 1/4W 5%	1300271	13
18	R4-19, 26, 33	RES. 220 1/4W 5%	1300229	12
1	R1	RES. 100 1/4W 5%	1210244-0	11
A/R		GRIPLET	1100114	10
1	D1	DIODE DEC D664	1000067	9
2	C31, C32	CAP. 6.8UF 35V 20% TANT	1001610	8
30	C1 thru C30	CAP. .01UF 100V 20% DISC	1000076	7
1	C33	CAP. 39UF 10V 10% TANT	1000026	6
1	C34	CAP. 680PF 100V 5% D.M.	5009835	5
1		ETCHED CIRCUIT BOARD	B-M7731-0-6	4
		MODULE ECO HISTORY	D-AH-M7731-0-5	3
		ASSY/DRILLING HOLE LAYOUT	K-CO-M7731-0-4	2
		X-Y COORDINATE HOLE LOCATION		1
		PARTS LIST		

TRANSISTOR & DIODE CONVERSION CHART

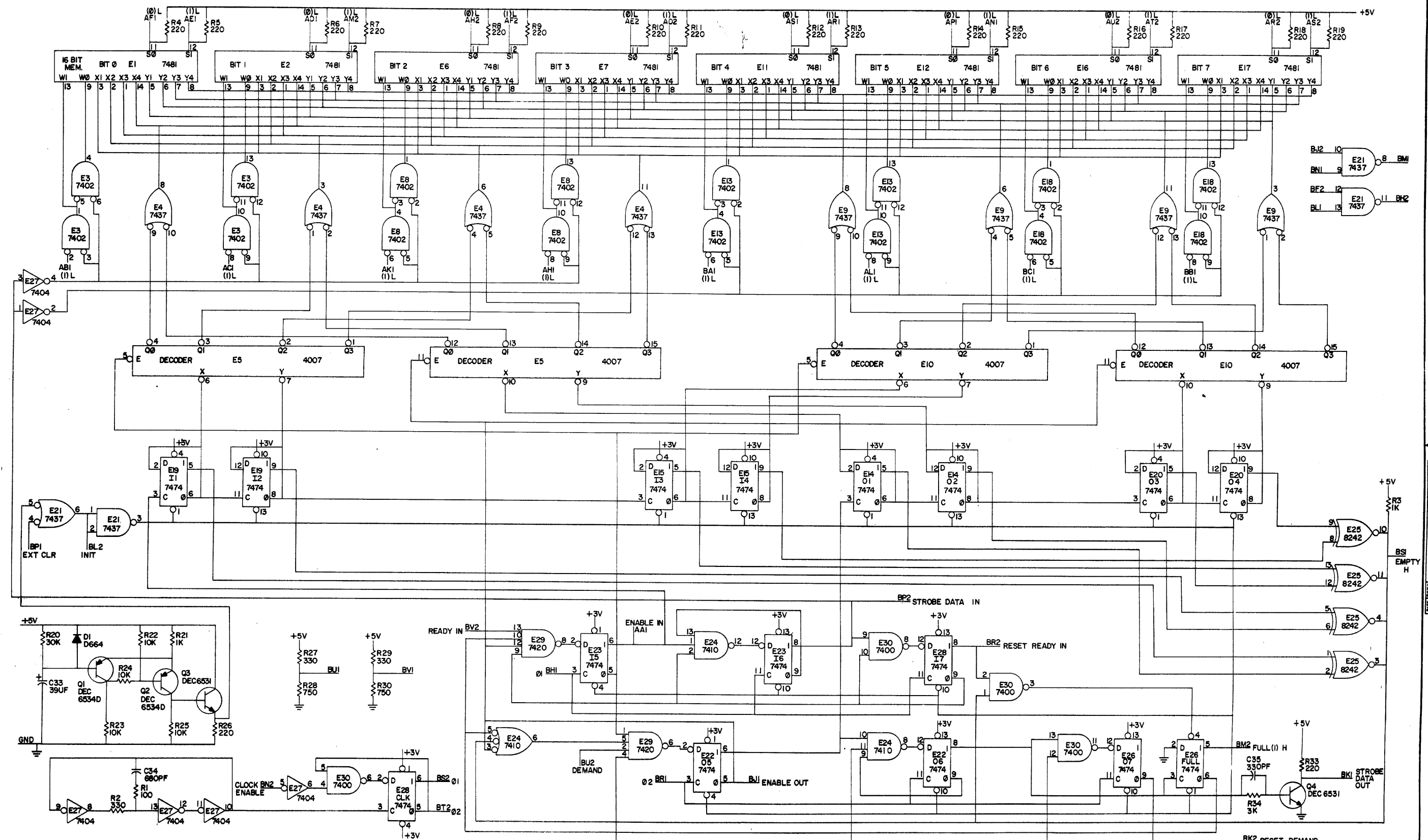
DATE	DEC	EIA	DATE	DEC	EIA
DEC 68			DEC 68		
DEC 68			DEC 68		
DEC 68			DEC 68		

digital EQUIPMENT CORPORATION SERIAL INTERFACE CONTROL

DATE: 12-27-71  
 CHK'D: [Signature]  
 ENG: [Signature]  
 PROD: [Signature]

SIZE CODE: D CS  
 NUMBER: M7731-0-1  
 REV: C

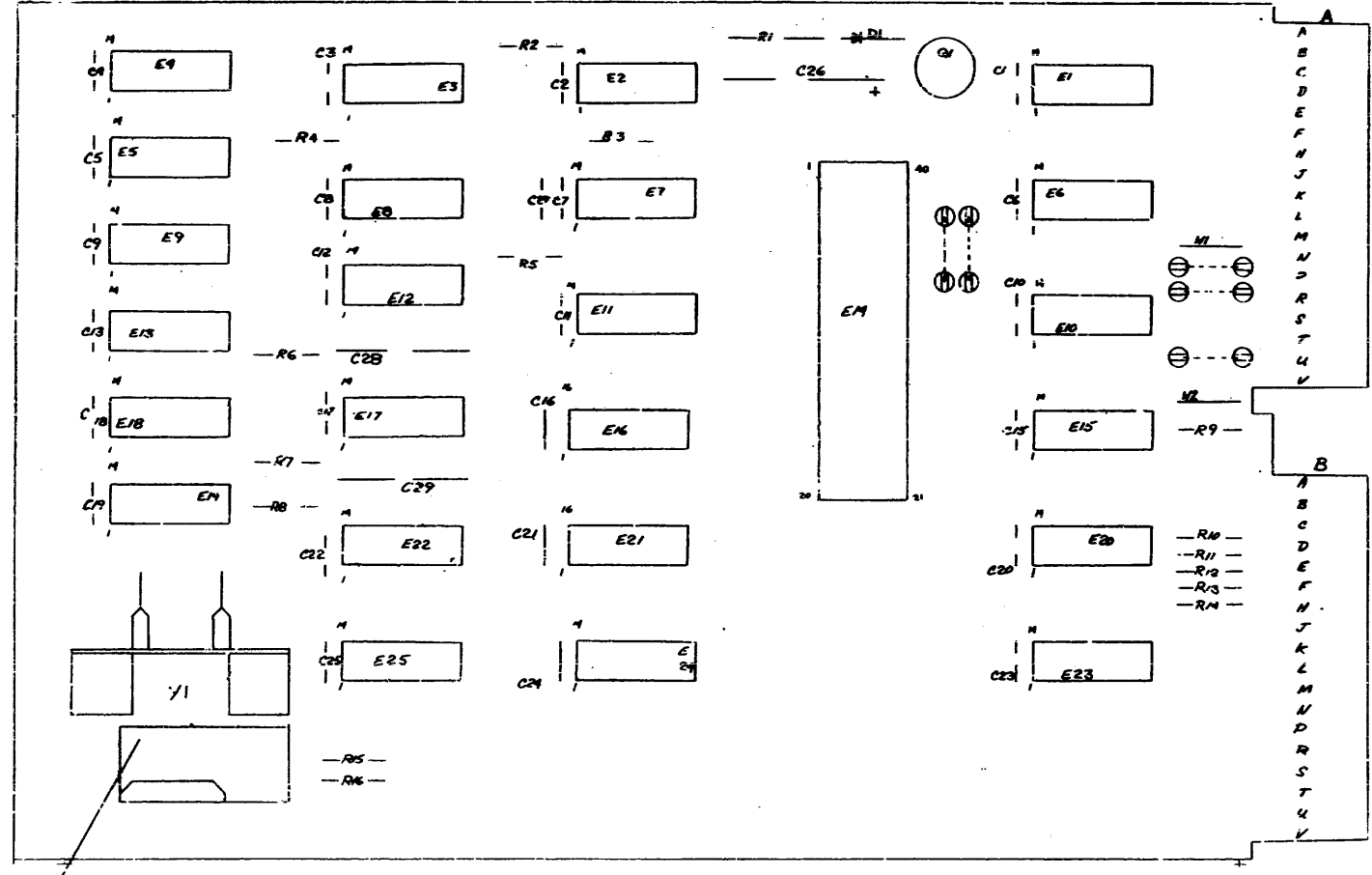
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REV C  
 NUMBER M7731-0-1  
 DATE 12-8-71

REVISIONS CHG NO. REV. DATE 1 1 12-8-71	DESIGNED BY: <i>B. J. Hall</i>	DATE: 12-7-71	TRANSISTOR & DIODE CONVERSION CHART		<b>digital</b> EQUIPMENT CORPORATION MAYFARL, MASSACHUSETTS	TITLE: SERIAL INTERFACE CONTROL	
	CHECKED BY: <i>[Signature]</i>	DATE: 12-8-71	DEC	EIA		SIZE: D CS	NUMBER: M7731-0-1
	DRAWN BY: <i>[Signature]</i>	DATE: 12-8-71	DEC	EIA		PRINTED CIRCUIT REV.	REV. C
	PROD. DATE:	DATE:	DEC	EIA		C	SHEET 2 OF 2

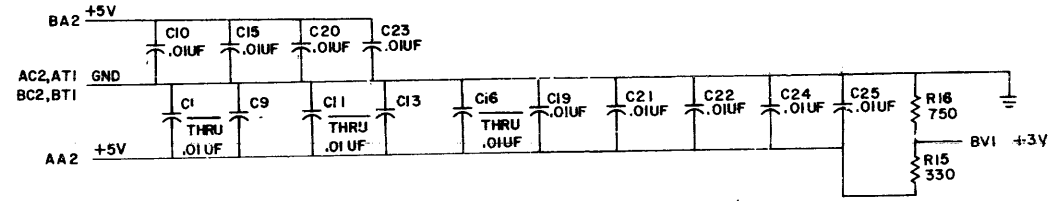
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SEE NOTE #1:

PIN 4 = +5V ON DEC7473  
 PIN 11 = GND  
 PIN 5 = +5V  
 PIN 10 = GND ON DEC7490, DEC7492, DEC7493  
 PIN 8 = +5V ON DEC380, DEC384  
 PIN 1 = GND  
 PIN 16 = +5V ON DEC7451  
 PIN 8 = GND  
 PIN 14 = +5V  
 PIN 7 = GND ON ALL OTHER IC'S

NOTE #1:  
 PLACE HEAT SHRINK TUBING OVER CRYSTAL Y1.



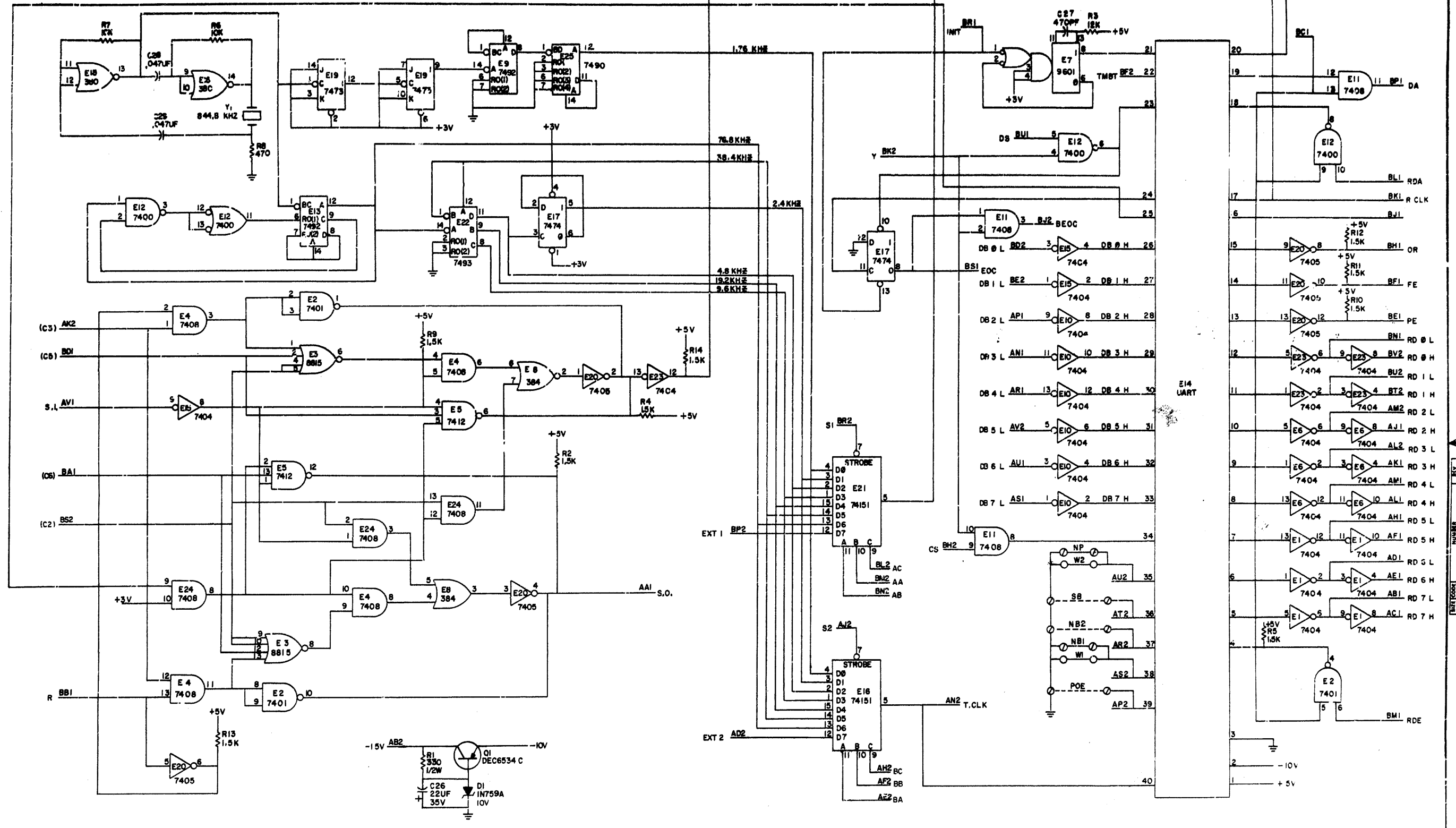
QTY.	REP.	DESIGNATION	DESCRIPTION	DEC PART NO.
1		HEAT SHRINK TUBING		917760-09
10		SILT WIGGS		9006135
3		HEX NUT #2-36		9006555
2		HANDLE, FLIP CHD - MAGENTA		9006337-06
4		EYELET, HANDLE		9006732
3		SCREW #2-56 x 1/2		9006001-4
1		BRACKET CRYSTAL HOLDER		5303154
1		BRACKET SUPPORT		5302625
1	E14	1.0. VERT (TRIM) 0.1 (100.00)		1910459
1	E1, 11, 24	1.0. DEC 7408		1910155
1	E5	1.0. DEC 7412		1909955
2	E16, E21	1.0. DEC 7415		1909435
1	E20	1.0. DEC 7405		1909930
1	E3	1.0. DEC 8815		1909713
5	E1, 6, 10, 15, 23	1.0. DEC 7404		1909686
1	E8	1.0. DEC 304		1909486
1	E18	1.0. DEC 380		1909485
1	E7	1.0. DEC 9601		1909373
1	F22	1.0. DEC 7493		1909054
2	E9, E13	1.0. DEC 7492		1909053
1	E25	1.0. DEC 7490		1909051
1	E2	1.0. DEC 7401		1905590
1	E14	1.0. DEC 7473		1905587
1	E12	1.0. DEC 7400		1905575
1	E17	1.0. DEC 7476		1905547
1	Y1	CRYSTAL 644.800KHZ		181045-01
1	R1	RESISTOR 330 OHM 5%		1300296
1	R16	RESISTOR 750 OHM 5%		1300401
1	R3	RESISTOR 12K OHM 5%		1300483
2	R6, R7	RESISTOR 10K OHM 5%		1300479
9	R2, 4, 9, 10, 11, 13, 14, 5	RESISTOR 1.5K OHM 5%		1300371
1	R8	RESISTOR 170 OHM 5%		1300316
1	R15	RESISTOR 330 OHM 5%		1300295
1	Q1	TRANSISTOR DEC 6534C		1503604-02
1		CRYSTAL SOCKET 800PG		1200012
1	D1	DIODE 1N759A		1110836
1	C26	CAP. 22UF 35V 20% TANT		1000333
2	C1 - C13, C15 - C25	CAP. .01UF 100V 20% DISC		1601610
2	C28, C29	CAP. .047UF 100V 10% MYLAR		1000021
1	C27	CAP. .470UF 100V 5% D.M.		1000021
1		ETCHED CIRCUIT BOARD		500-040
		MODULE ECO HISTORY		B-MH-7389-C-6
		ASSY/DRILLING HOLE LAYOUT		E-AH-7389-C-5
		X-Y COORDINATE HOLE LOCATION		K-00-M7389-C-4
		REP. DESIGNATION	DESCRIPTION	DEC PART NO.
			PARTS LIST	

REV. 10-7389-0-1

REVISIONS CHG NO. REV.	DATE 12/16/71 BY S. COOPER	TRANSISTOR & DIODE CONVERSION CHART				TITLE ASYNCHRONOUS TRANSCIVER
	DATE 1-5-71 BY S. COOPER	DEC DEC6534C	EIA MPSS534	DEC MPSS534	EIA MPSS534	
EQUIPMENT CORPORATION PRINTED CIRCUIT REV.		NUMBER M7389-0-1		REV B		

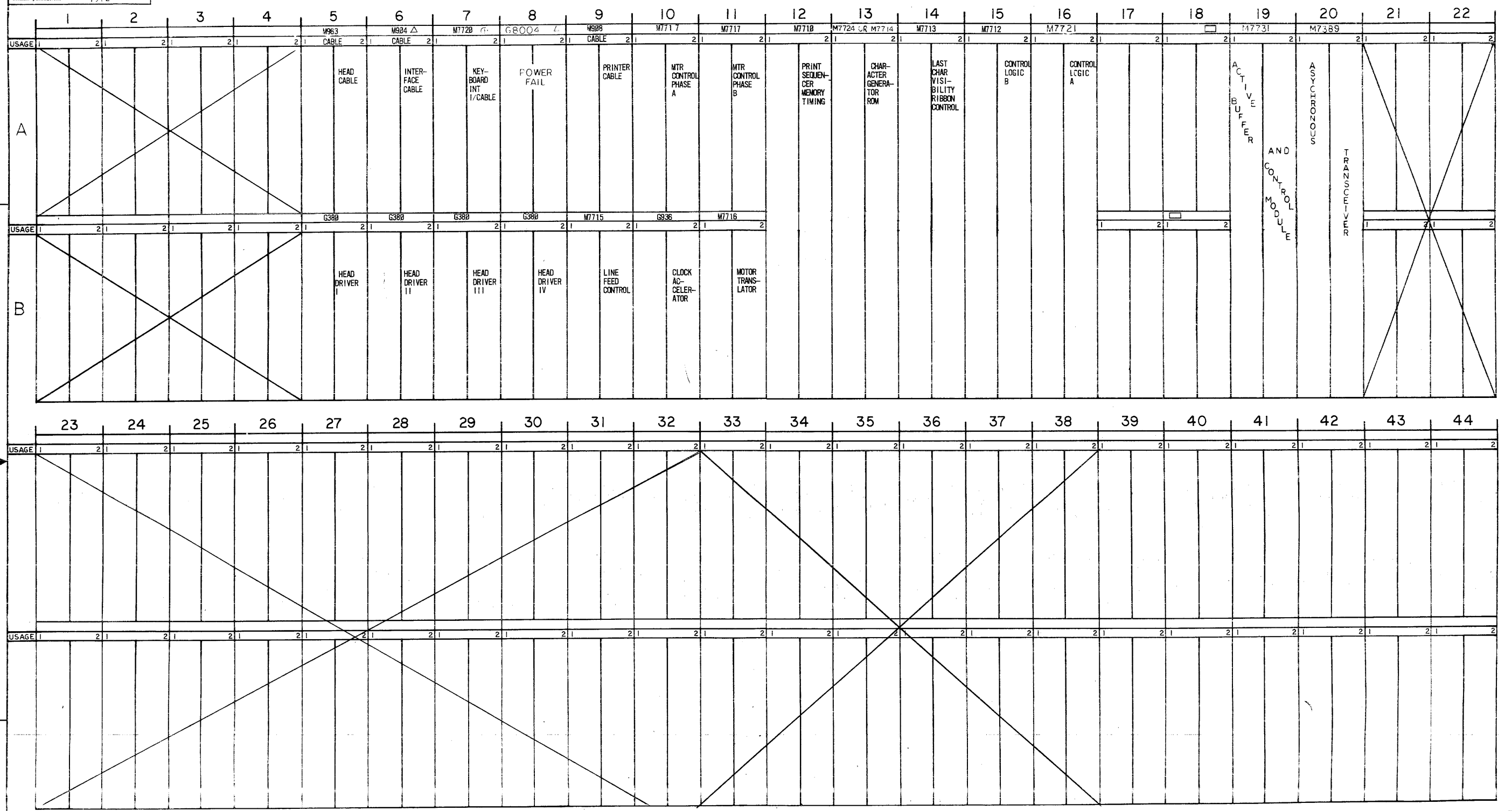


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REV	1	CS	0	CS	0	M738E	-0-1	REV	0
	DATE	12/1/77	DATE	12/1/77	DATE	12/1/77	DATE	12/1/77	DATE
DESIGNED BY	S. Cooper	DATE	12/1/77	DESIGNED BY	S. Cooper	DATE	12/1/77	DESIGNED BY	S. Cooper
CHECKED BY		DATE		CHECKED BY		DATE		CHECKED BY	
TRANSISTOR & DIODE CONVERSION CHART			TITLE			ASYNCHRONOUS TRANSMITTER			
DEC	EIA	DEC	EIA	DEC	EIA	EQUIPMENT CORPORATION			
						PRINTED CIRCUIT REV			

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REV	CHANGE NO.	DESCRIPTION
A	1	LA30-00015
B	1	LA30-00043
C	1	LA30-00048
D	1	LA30-00072
E	1	LA30-00073
F	1	LA30-00075
H	1	LA30-00078

□ - WIRED TO DFII SPEC'S SEE PARTS LIST A-PL-LA30-0-5  
 △ - FOR LA30-P ONLY  
 ⊕ - FOR LA-30A (RECEIVE ONLY) DELETE M7720

FIRST USED ON OPTION/MODEL  
 LA30

DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSION IN INCHES  
 TOLERANCES  
 DECIMALS FRACTIONS ANGLES  
 ±.005 ± 1/64 ± 0°30'  
 FINAL SURFACE QUALITY  
 REMOVE BURRS AND BREAK SHARP CORNERS

DATE 6-22-71  
 CHK'D. [Signature]  
 ENG. [Signature]  
 BROU ENG. [Signature]  
 PROD. [Signature]  
 NEXT HIGHER ASSY  
 A-ME-LA30-0

**digital** EQUIPMENT CORPORATION  
 WAYNARD MASSACHUSETTS

TITLE  
**MODULE UTILIZATION**

SIZE CODE NUMBER  
**DMU LA30-0-5**

REV. H

SIZE CODE NUMBER  
 DMU LA30-0-5  
 REV. H

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS  
**PARTS LIST**

QUANTITY / VARIATION

MADE BY R. JESSING	CHECKED J. FLEMING	SECTION
DATE 6/25/71	DATE 6/25/71	1
ENG <i>Charles Jones</i>	PROD <i>Ch. Jones</i>	ISSUED SECT.
DATE 8-6-71	DATE 8/10/71	1

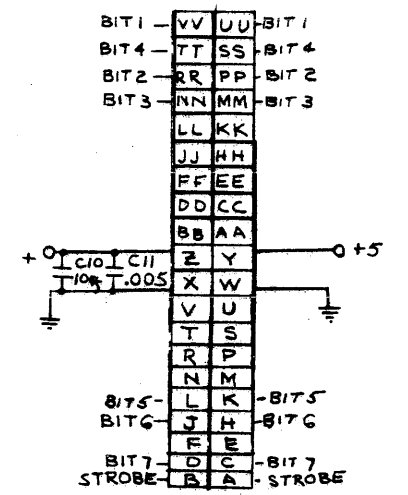
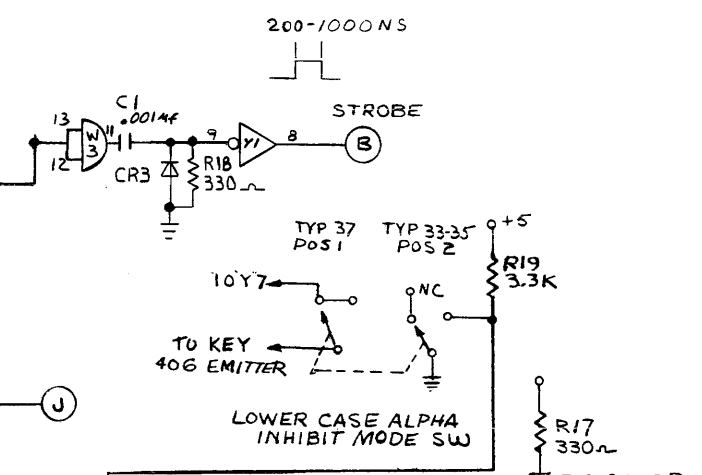
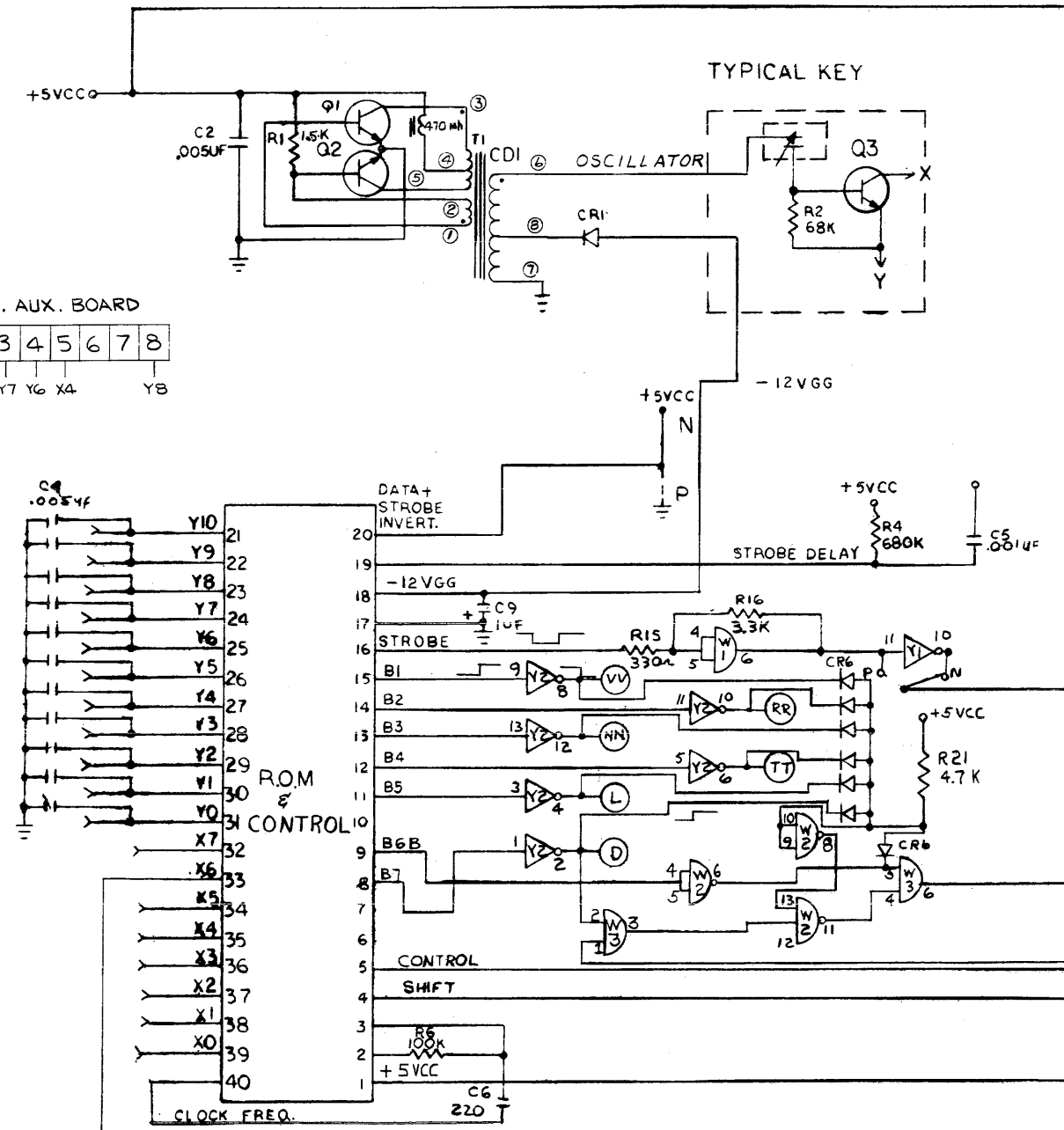
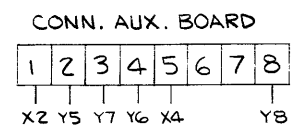
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
----------	--------------------	-------------

1	-																
2	2																
1	1																
1	1																
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4	4																
1	1																
1	1																
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NOTE \* DF11 VARIATION TO BE SPECIFIED BY CONSTRUCTION  
REQUISITION

TITLE MODULE UTILIZATION	ASSY NO. D-MU-LA30-0-5	SIZE CODE <b>A PL</b>	NUMBER LA30-0-5	REV. H	ECO NO. LA30-00078
	SHEET 1 OF 1	DIST.			

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IC DESCRIPTION	
SYMBOL	TYPE
Y1, Y2	7404
W1, W3	7408
W2	7400
R.O.M.	0017
TRANS.	-4

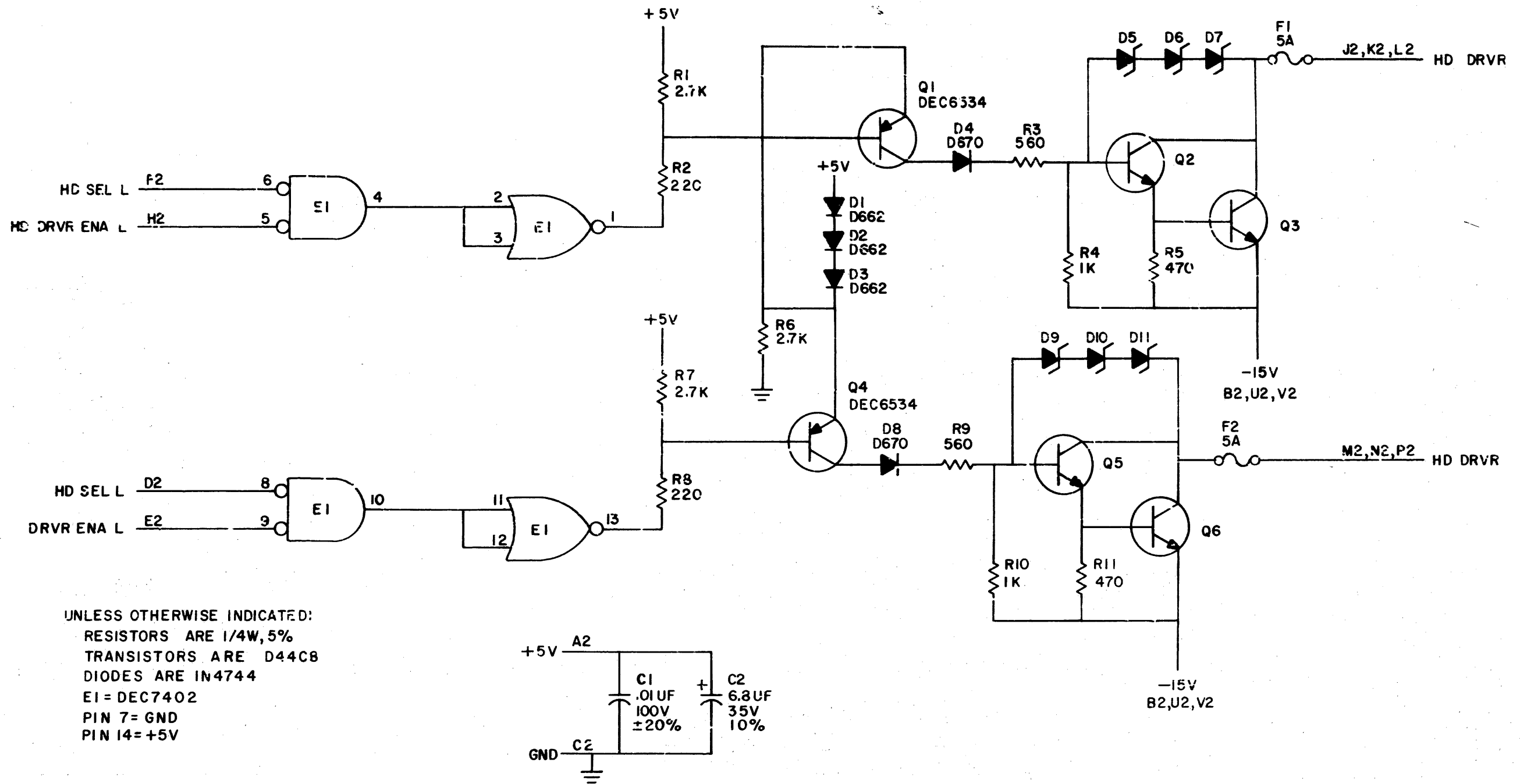
CAUTION: DIODE CR7 MUST BE ADDED IF SMC (STANDARD MICROSYSTEMS) ROM KR 2376-17 IS USED.

REV.	CHANGE NO.	DATE	BY	CHKD.
1	5409917-00001	A		
2	5409917-00002	B		
3	5409917-00003	C		
4	5409917-00004	D		
5	5409917-00005	E		
6	5409917-00006	F		

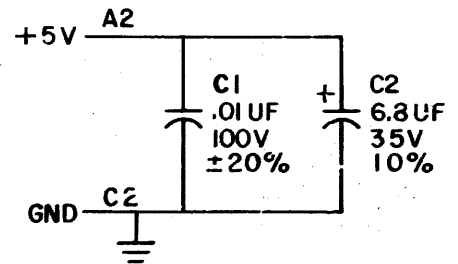
DO NOT SCALE DRAWING	DRN. Magnific	DATE 9-27-71
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHK'D. W.F. H.	DATE 11/1/71
TOLERANCES	ENG. C. H.	DATE 12-3-71
DECIMALS FRACTIONS ANGLES	PROJ. ENR. J. B.	DATE 1/22/72
±.005 ±.001 ±.030	PROJ. M. B.	DATE 1/21/72
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL	NEXT HIGHER ASSY D-AD-5409945-0-0	
FINISH	SCALE	
	SHEET / OF /	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE DEC KEYBOARD #2		
	SIZE CODE	NUMBER	REV.
	D CS 5409945-0-1		F
	DIST.		

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, 5%  
 TRANSISTORS ARE D44C8  
 DIODES ARE IN4744  
 E1 = DEC7402  
 PIN 7 = GND  
 PIN 14 = +5V



REVISIONS	CHK	CHG NO	REV
		0001	D

C. YOUSE  
 [Signature]

DRN: S. COOPER  
 DATE: 3/15/71  
 CHK'D: [Signature]  
 DATE: 3/19/71  
 ENG: [Signature]  
 DATE: 5/5/71  
 PROD. DATE:

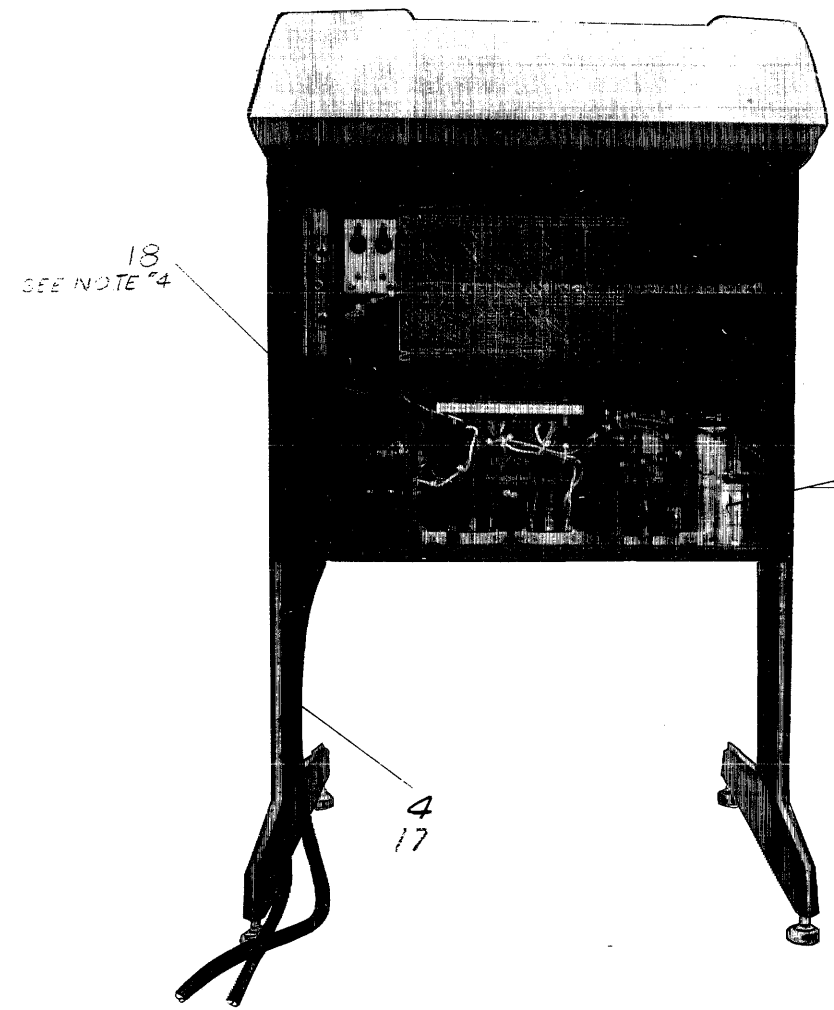
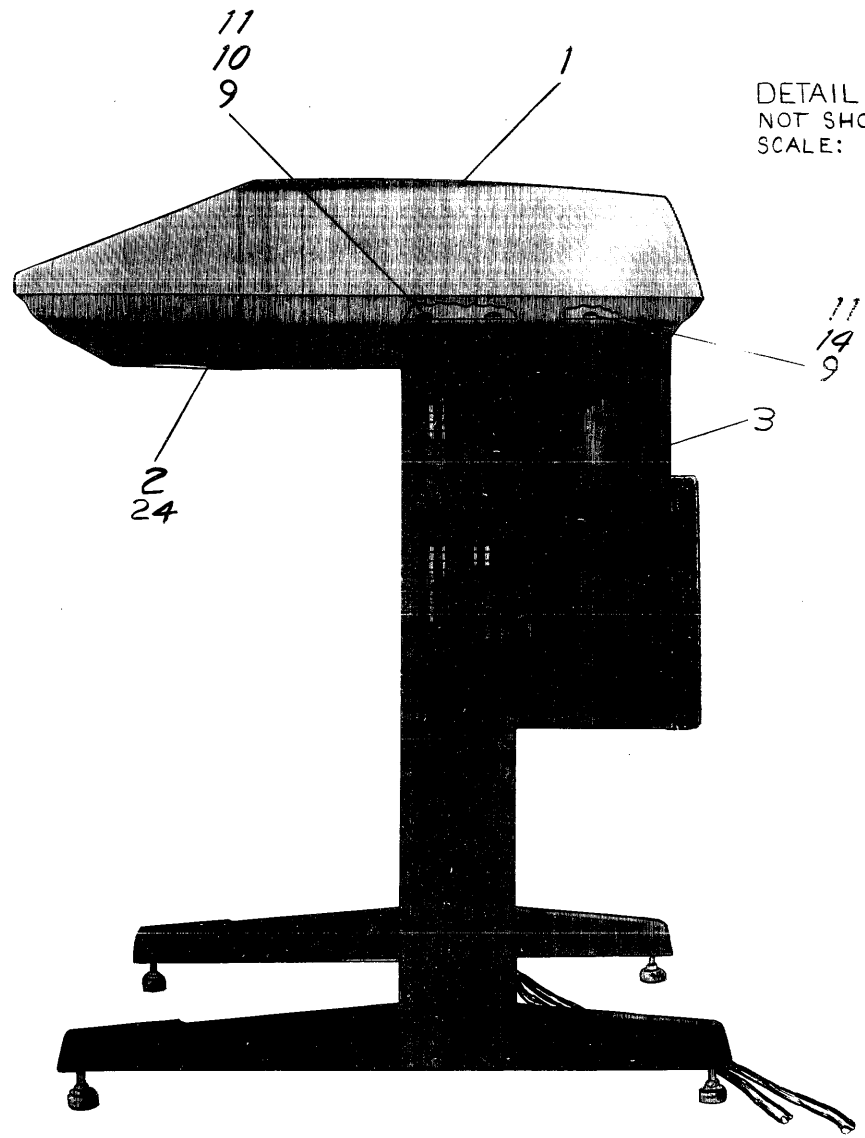
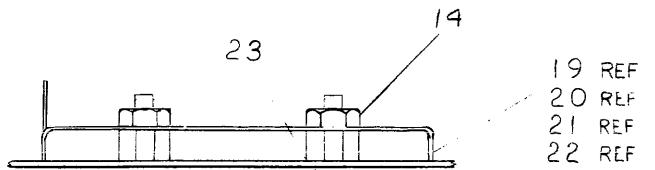
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC6534	2N6534	D670	IN3653
D44C8		IN4744	
		D662	IN645

**digital**  
 EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

TITLE: SOLENOID DRIVER  
 SIZE: B  
 CODE: CS  
 NUMBER: G380-0-1  
 REV: D  
 PRINTED CIRCUIT REV: E

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1972

- NOTES:
1. FOR DRAWING INDEX LIST SEE DRAWING NO. D-DI-LA30-0-1
  2. FOR ASSEMBLY PROCEDURE SEE DRAWING NO. A-SP-LA30-0-3
  3. FOR PACKAGING INSTRUCTIONS SEE DRAWING NO. A-PI-3700051-0-0
  4. ITEM #18 (NAME PLATE) TO BE APPLIED ON THE POWER SUPPLY BRACKET AS REQUIRED AT ASSEMBLY.



REAR VIEW WITH DOOR REMOVED

LEGEND		
NUMBER	VARIATION	REMARKS
LA30-PA	115V 60 HZ	PAR. H735-A
LA30-PB	230V 60 HZ	" H735-B
LA30-PC	115V 50 HZ	" H735-C
LA30-PD	230V 50 HZ	" H735-D
LA30-SA	115V 60 HZ	SERIAL H735-A
LA30-SB	230V 60 HZ	" H735-B
LA30-SC	115V 50 HZ	" H735-C
LA30-SD	230V 50 HZ	" H735-D
LA30-CA	115V 60 HZ	SAWDFI/K H735-A
LA30-CB	230V 50 HZ	SB WDFI/K H735-B
LA30-CC	115V 60 HZ	SC WDFI/K H735-C
LA30-CD	230V 50 HZ	SD WDFI/K H735-D
LA30-EA	115V 60 HZ	SAWDFI/A H735-A
LA30-EB	230V 60 HZ	SB WDFI/A H735-B
LA30-EC	115V 50 HZ	SC WDFI/A H735-C
LA30-ED	230V 50 HZ	SD WDFI/A H735-D

REV	CHG	NO	DATE	BY	DESCRIPTION
1		A	11-1-71	W. J. J.	LA30-00037
2		B	11-1-71	W. J. J.	LA30-00056
3		C	1-14-72	E. STELTZER	LA30-00057
4		D	3-14-72	E. STELTZER	LA30-00067
5		E	5-7-72	E. STELTZER	LA30-00068
6		F	5-7-72	E. STELTZER	LA30-00069
7		G	5-26-72	E. STELTZER	LA30-00075
8		H	6-1-72	E. STELTZER	LA30-00077
9		I	10-16-72	E. STELTZER	LA30-00078
10		J	3-7-72	E. STELTZER	LA30-00079

FIRST USED ON OPTION / MODEL  
LA30

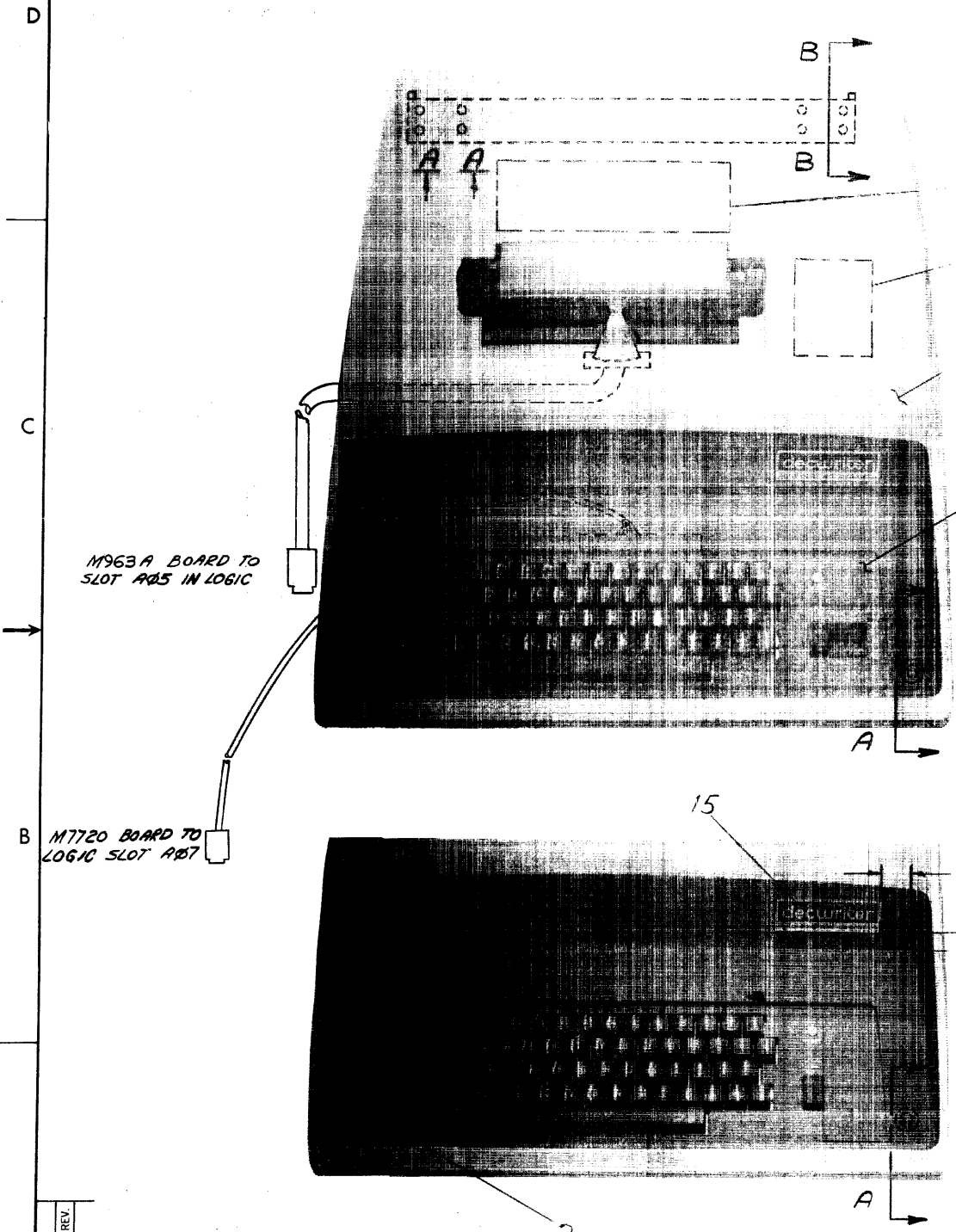
DO NOT SCALE DRAWING  
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES  
TOLERANCES  
DECIMALS FRACTIONS ANGLES  
±.000 ±.004 ± 0°30'  
FINAL SURFACE QUALITY  
REMOVE BURRS AND BREAK SHARP CORNERS  
MATERIAL  
FINISH

DRY: [Signature]  
CHK'D: [Signature]  
ENG: [Signature]  
PROJ. ENG: [Signature]  
PROD. [Signature]  
NEXT HIGHER ASSY:  
A-M-LA30-0  
SCALE: NONE  
SHEET 7 OF 8

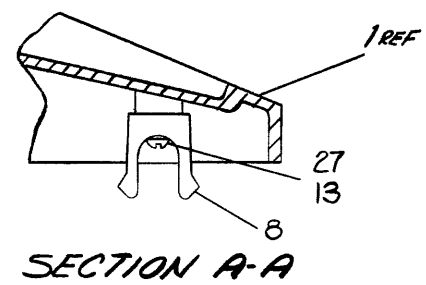
QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE: LA30 DECWRITER ASSY		
	SIZE CODE: DUA	NUMBER: LA30-0-0	REV.
	DIST. G		

REV. J  
NUMBER LA30-0-0  
SIZE CODE DUA

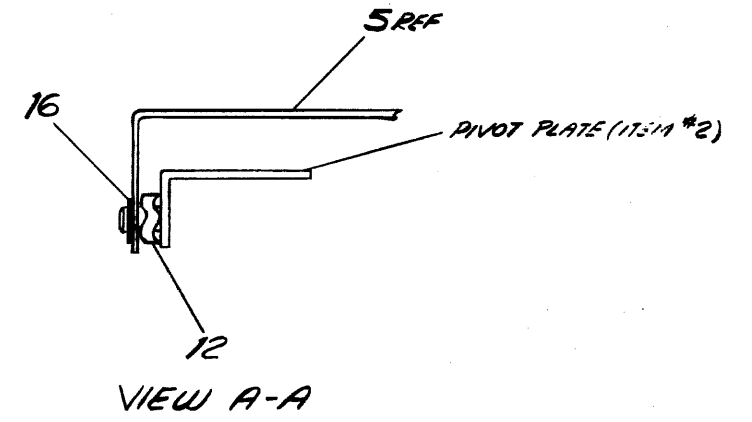
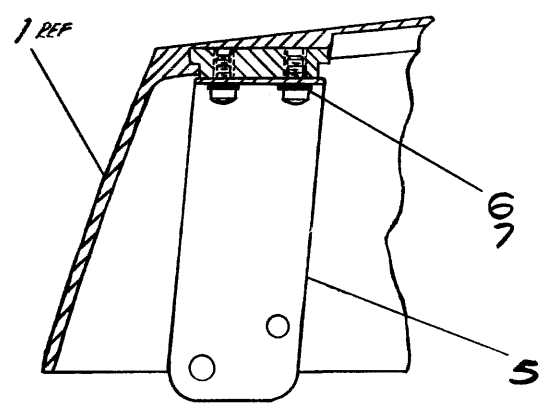
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-25 } DECALS TO BE LOCATED  
-26 } ON INSIDE OF COVER.



-1 REF

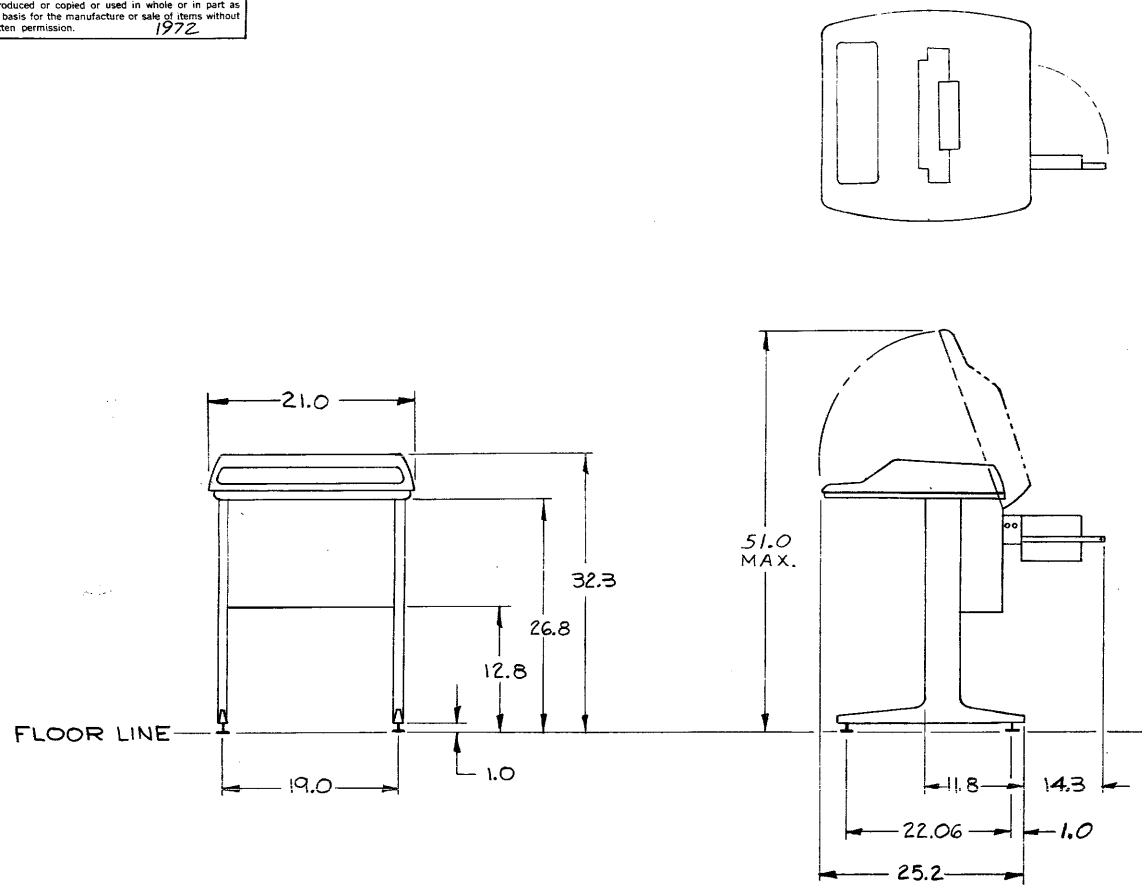


.6 FROM RAD  
MEASURED ON MTG SURFACE

REVISIONS	REV.
CHK	CHANGE NO.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN. ROBICHAUD DATE 5-27-71		
TOLERANCES		CHK'D. J. FLEMING DATE 6-2-71		
DECIMALS	ANGLES	ENG. W. OWENS DATE 7-30-71	TITLE	
.xxx = .006	± 0° 30'	PROJ. ENG. C. YOUSE DATE 8-6-71	LA30	
.xx = .02		PROD. E. R. TOMKINS DATE 8-11-71	DECWRITER ASSY	
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL		NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH		A-ML-LA30-0	DUA	LA30-0-0
		SCALE NONE		
		SHEET 2 OF 3	DIST.	

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LA30 OUTLINE DIMENSIONS  
NOTE: ALL DIMENSIONS ARE FOR REFERENCE ONLY.

HARNES WIRE TABLE

ITEM NO	DESCRIPTION	FROM	TO	REMARKS
18	RED	J1 ON UNIT HARNESS	P1 ON POWER HARNESS	
18	GRN	J2 ON UNIT HARNESS	P2 ON POWER HARNESS	
18	BLU	P9 M908 BOARD	LOGIC SLOT A09	
18	RED	J10 UNIT HARNESS	P10 CLOCKWISE	
18	GRN	J11 UNIT HARNESS	P11 COUNTER-	
18	BLU	P12 UNIT HARNESS	J12 MOTOR DRIVE AMP	
18	GRN			
22	GRN/BLK			
22	YEL/BLK			
22	ORN/BLK			
18	GRN			
22	RED			
22	GRY			
18	BLU			
18	GRN			
18	BLU	P13 UNIT HARNESS	J13 MOTOR DRIVE AMP	
18	GRN			
22	RED/BLK			
22	BRN/WHT			
22	BLU/WHT			
18	BLU			
22	GRN			
22	YEL			
22	WHT			
18	GRN			
18	RED	POWER HARNESS	TRANSFORMER #2	
18	BLU	#2	TRANSFORMER #1	
18	BLU	#3	TRANSFORMER PLATE -15V	
18	BLK	#4	-15V	
18	GRN	#5	GND	
18	GRN	#6	+10V	
18	GRN	#7	+10V	
18	BLK	#8	GND	
18	ORN	#9	+15V	
18	RED	#10	+15V	
18	BLK	POWER HARNESS	TRANSFORMER PLATE GND	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN CHK'D	DATE DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .XXX - .005 .XX - .02 .X - .1	ANGLES ±0° 30'	ENG PROJ. ENG. PROD.	DATE DATE DATE	TITLE LA30 DECWRITER ASSY
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
	A-ML-LA30-0		DUALA30-0-0	REV. J
FINISH	SCALE		SHEET	
			3 OF 3	

REVISIONS  
CIVIL NO. REV.  
CHK



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			LA30-PA	LA30-PR	LA30-PC	LA30-PD	LA30-SA	LA30-SB	LA30-SC	LA30-SO	LA30-CA	LA30-CB	LA30-CC	LA30-CD	LA30-EA	LA30-EB	LA30-EC	LA30-ED
1	E-PS-1210434-0-0	COVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	E-AD-7007267-1-0	BASE ASSY. PARALLEL	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
3	E-AD-7007268-0-0	CONTROL BOX ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	E-SC-7408693-0-0	CADLE CLAMP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	C-MD-7408689-0-0	HINGE COVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	9006010-3	SCR PHL TRUSS HD 10-32 X 5/16 LG	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7	9007651	WASH, EXT TOOTH #10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	1211107	NYLON CLIP	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	9006074-1	SCR, PHL PAN HD 10-32 X 5/8 LG	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
10	9007906	WASH, SPLIT LOCK #10	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	9006664	WASH, FLAT #10	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12	9009219	WASHER, SPRING	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	9007801	#6 SPLIT WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	9006565	NUT, KEPS #10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
15	B-IA-7409058-0-0	LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	9008500	RING, RETAINING	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	9008508	SCR, PHL HD PAN #10-32 X 5/8 BLK PAS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	A-DC-7409059-0-0	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	E-IA-H735-A-0	POWER SUPPLY 115V 60 HZ	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
20	E-IA-H735-B-0	POWER SUPPLY 230V 60 HZ	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0
21	E-IA-H735-C-0	POWER SUPPLY 115V 50 HZ	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0
22	E-IA-H735-D-0	POWER SUPPLY 230V 50 HZ	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1
23	9006829	SPACER, 1/2AF X 3/8LG #10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	E-AD-7007267-2-0	BASE ASSY. SERIAL	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
25	A-DC-7409263-0-0	RIBBON THREADING DIAGRAM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	A-DC-7409264-0-0	WARNING DECAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	9006022-1	SCR, PHL PAN HD #6-32 X 3/8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
REF	DF11-K	TERMINAL MODULE SET	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
REF	DF11-A	TERMINAL MODULE SET	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1

REV. H	DATE 5/28/71
REV. J	DATE 7/30/71
REV. J	DATE 8/4/71
REV. J	DATE 8/11/71

ORIGINATED  
LA30-00077  
11-3-71  
STELTZER

FIRST USED ON OPTION MODEL

UNLESS OTHERWISE SPECIFIED  
DIMENSION IN INCHES  
TOLERANCES  
DECIMALS ± .005  
FRACTIONS ± 1/64  
ANGLES ± 0°30'

FINAL SURFACE QUALITY  
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL  
FINISH

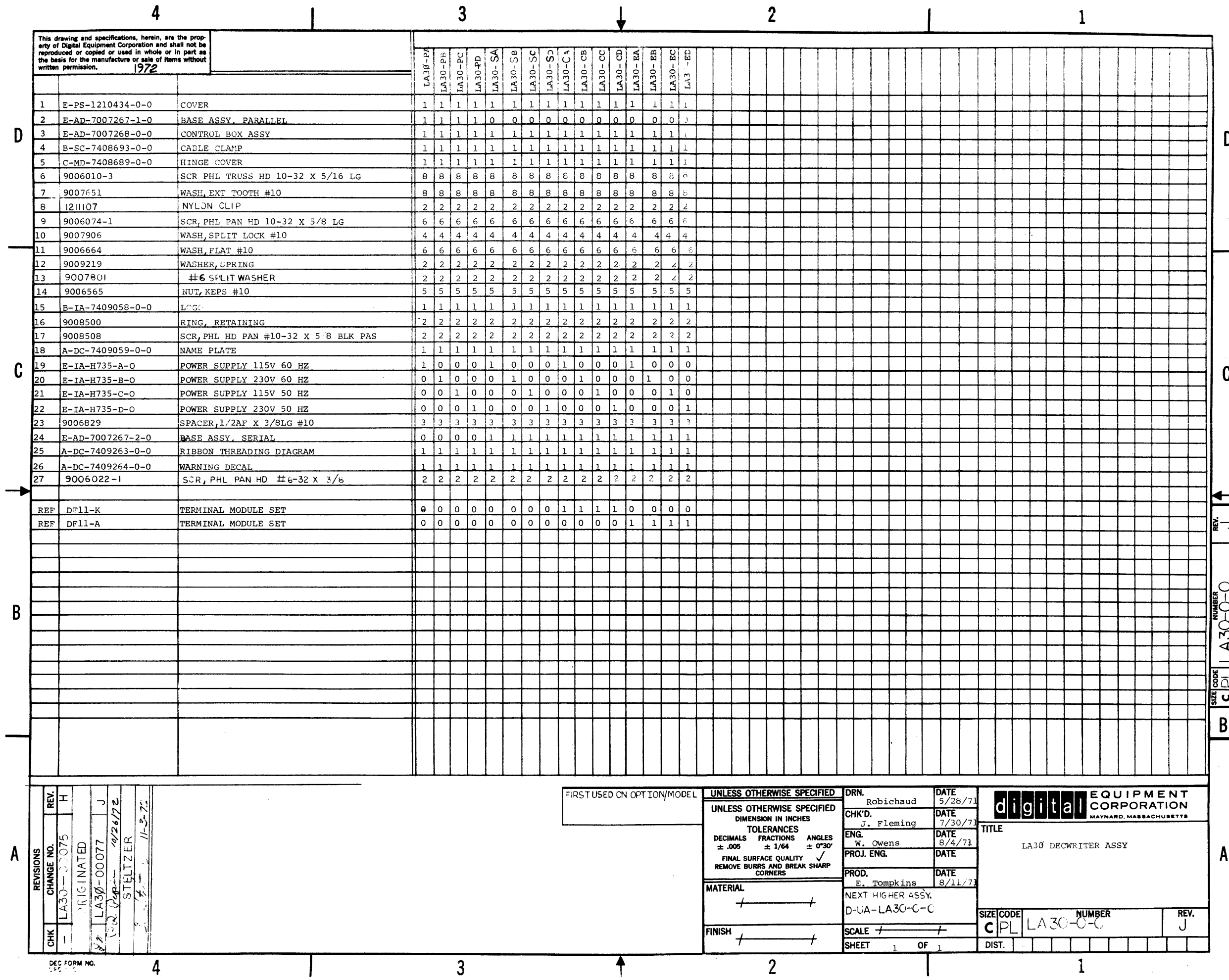
DRN. Robichaud	DATE 5/28/71
CHK'D. J. Fleming	DATE 7/30/71
ENG. W. Owens	DATE 8/4/71
PROJ. ENG.	DATE
PROD. E. Tompkins	DATE 8/11/71
NEXT HIGHER ASSY. D-UA-LA30-C-C	

**digital** EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

TITLE  
LA30 DECRYPTER ASSY

SIZE CODE C PL NUMBER LA30-0-0 REV. J

SCALE 1 OF 1 SHEET 1 OF 1

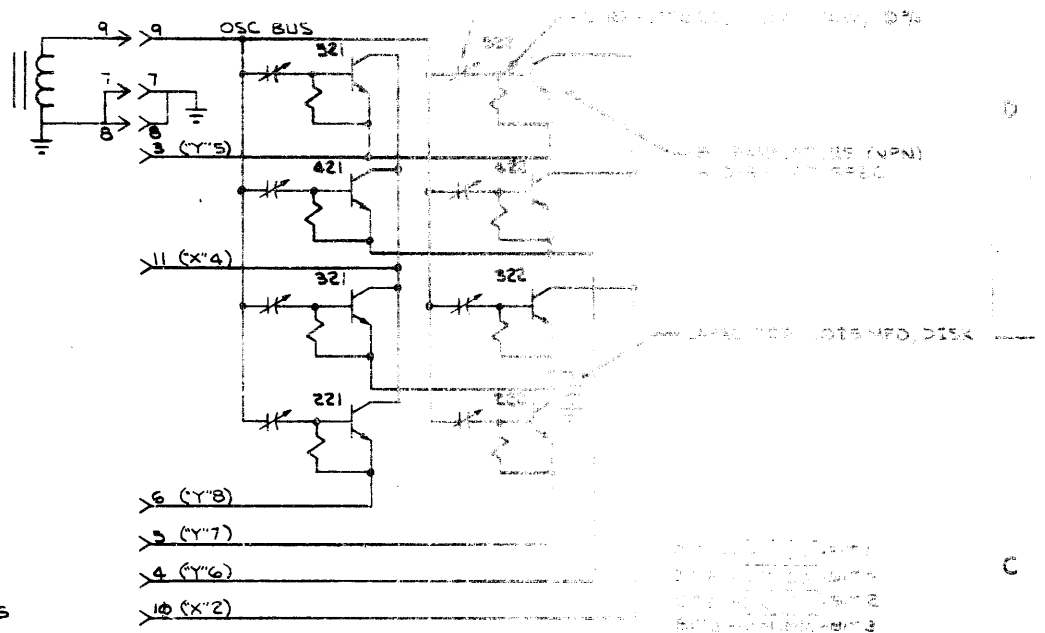
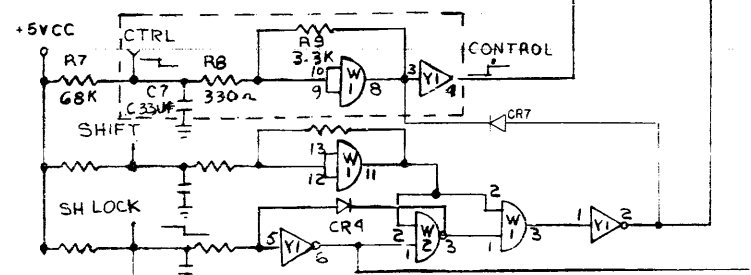
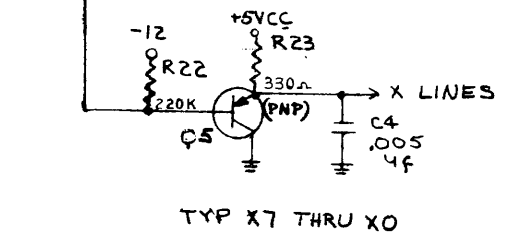
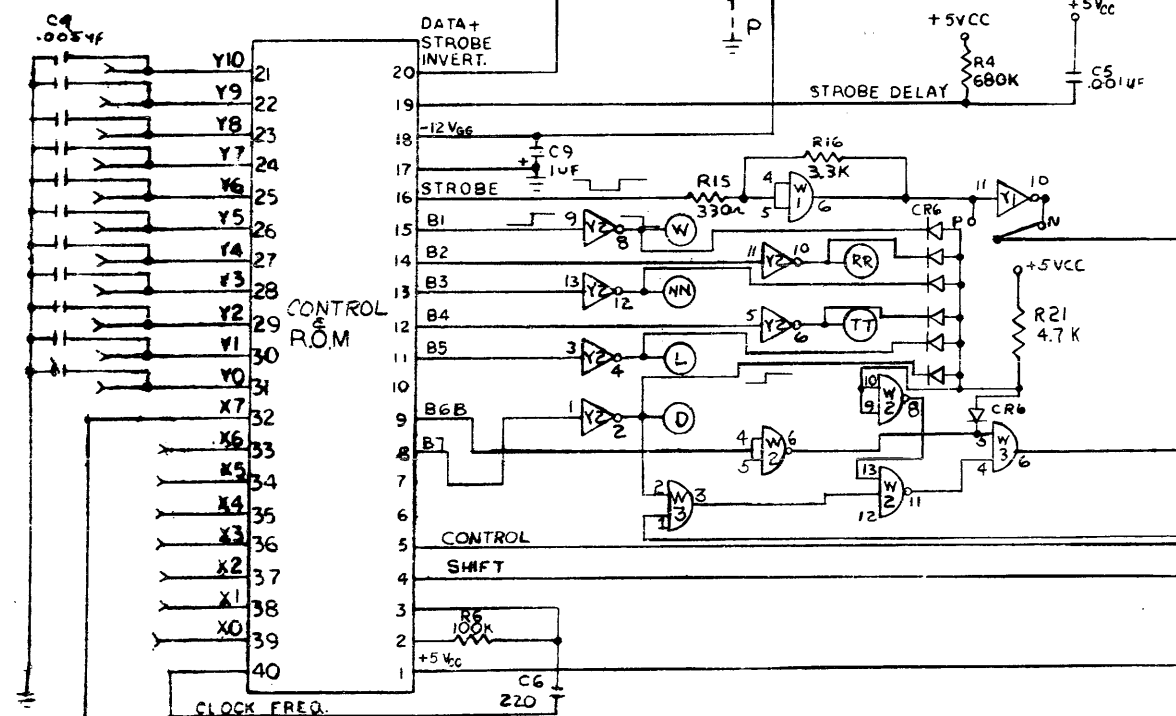
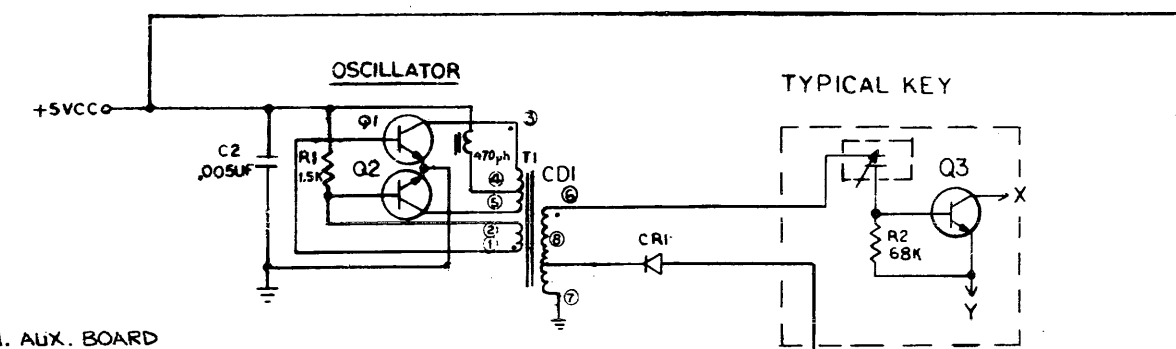


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0-300173-1

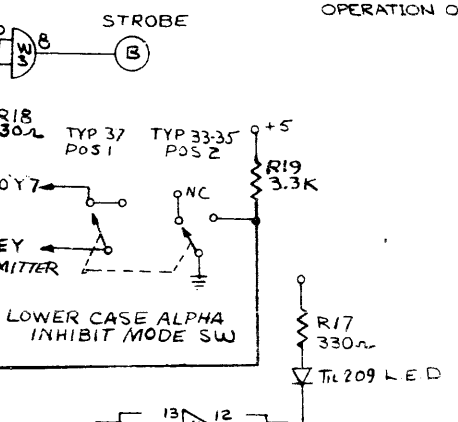
CONN. AUX. BOARD

1	2	3	4	5	6	7	8
X2	Y5	Y7	Y6	X4		Y8	



NOTE: KEY 222 IS LOCK FOR KEYS 321 & 421. IT HAS TO BE DEPRESSED FOR OPERATION OF ABOVE KEYS.

200 TO 1000 NS



NOTE: DIODE CR7 MUST BE ADDED IF STANDARD MICROSYSTEMS (SMC) ROM KR2376-17 IS USED.

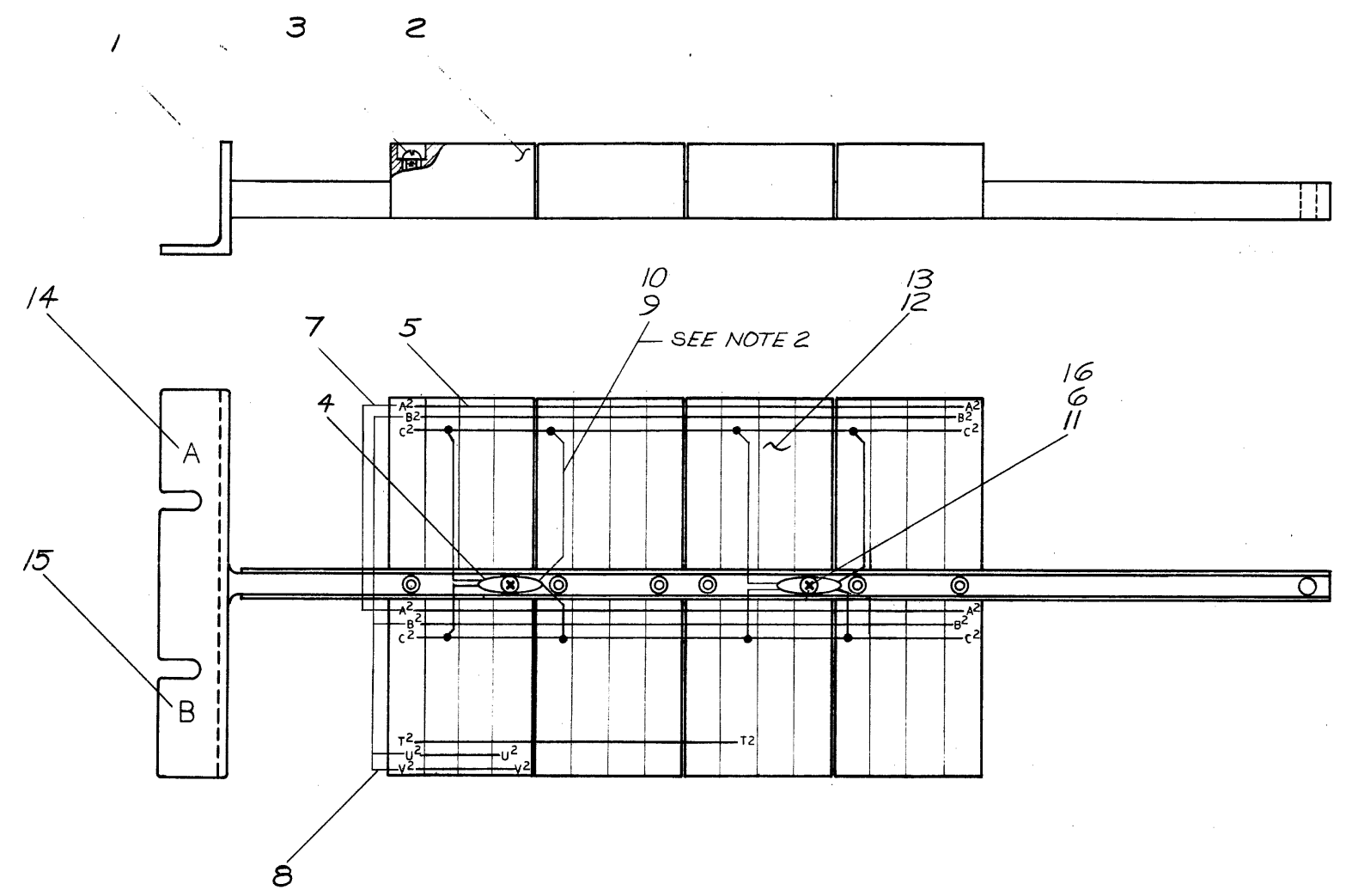
APPROVED CONTROL DEVICES

REVISIONS	REV.
CHK	CHANGE NO.

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED		PART NO.		ITEM NO.
DIMENSION IN INCHES		REV.		
TOLERANCES:		MATERIAL		
DECIMALS FRACTIONS	ANGLES	FINISH		
±.005 ±.010 ±.015	±.005 ±.010 ±.015	SHEET		
FINAL SURFACE QUALITY		REV.		
REMOVE BURRS AND BREAK SHARP CORNERS		SHEET		

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**NOTES**  
 1 CONNECTIONS ON ITEM #5 & 9 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.  
 2 ALL CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN (2 PLACES).



REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION / MODEL  
 LA 30

DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSION IN INCHES  
 TOLERANCES  
 DECIMALS FRACTIONS ANGLES  
 ± .005 ± 1/64 ± 0°00'  
 FINAL SURFACE QUALITY  
 REMOVE BURRS AND BREAK SHARP CORNERS  
 MATERIAL  
 + + +  
 FINISH  
 + + +  
 SHEET 1 OF 1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>M. Prozzi</i> DATE 3-5-71		<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D. DATE 3-21-71			
ENGR. <i>John Lee Jones</i> DATE 5-6-71		TITLE WIRED ASSY. (LA 30)	
PROD. ENG. <i>John Lee Jones</i> DATE 5-6-71			
PROD. DATE 8-1-71		SIZE/CODE NUMBER DAD 7007280-0-0	
NEXT HIGHER ASSY DAD-7007279-0-0			
SCALE 1/1		REV.	
SHEET 1 OF 1			

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**ACCESSORY LIST**

**LEGEND**

- D DOCUMENT
- DN DOCUMENT CHANGE NOTICE
- PA PAPER TAPE ASCII
- PB PAPER TAPE BINARY
- PM PAPER TAPE READ-IN-MODE

**QUANTITY/VARIATION**

MADE BY <i>J. Kelly</i>	CHECKED <i>J. Kelly</i>	SECTION I
DATE 9-9-71	DATE 9-10-71	
ENG <i>W. J. Kelly</i>	PROD <i>R. Thompson</i>	ISSUED SECT. I
DATE 9-10-71	DATE 9/10/71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION							KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
1	12-10378	DECwriter ribbon	1												
2	36-09829	Paper, 9 7/8 x 11, 3200 sheets	1												
3	LA30-0	LA30 Print Set	1												
4	1810558-2	RIBBON TAKE-UP REEL	1												
5	DEC-00-LA30-D	MAINTENANCE MANUAL	1												
6	9007601	LEGS LEVELING	4												

TITLE LA30 DECwriter	ASSY. NO. D-UA-LA30-0-0	SIZE A	CODE AL	NUMBER LA30-0-6	REV. A	ECO NO. LA30-00075
SHEET 1 OF 1		DIST.				

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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS**

**ENGINEERING SPECIFICATION**

DATE 12-29-71

TITLE LA30 Print Head Installation Instructions

**REVISIONS**

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG <i>W. Owens</i>	APPD <i>W. Owens</i>	SIZE <b>A</b>	CODE SP	NUMBER LA30-0-10	REV
------------------------	-------------------------	------------------	------------	---------------------	-----

**ENGINEERING SPECIFICATION**



CONTINUATION SHEET

TITLE LA30 Print Head Installation instructions

1. Turn off power to the LA30 by switching off the circuit breaker at the back of the unit. Open the top cover, remove ribbon and paper from the printer, remove the rear cover and swing open the logic assembly.
2. With the Print Bar Assembly latched in place with the cam lever, loosely mount the print head on the carriage using four #6-32 x 1 1/16 screws with lock washers.
3. Place the .012 feeler gauge (DEC part no 7409560) supplied with each head between the end of the print wires and the print bar face. While using light pressure to hold the head squarely against the gauge, tighten the four screws securely.

NOTE: The small flat plate (trapezoidal in shape) on the top of the nose of the head extends beyond the ends of the print wires and is not intended to be used in setting the print gap. Make certain the feeler gauge is below this plate.

The clearance is correct if the gauge is held in place by the head but can be removed with only light drag. See Figure #1.

4. If the measurement is out, slightly loosen the four screws that fasten the print head assembly to the carriage and adjust the Print Head until it is perpendicular to, and snug against, the gauge.
5. Tighten the screws and recheck the adjustment.
6. Make sure the clearance is between 0.010 and 0.014 in at each end of carriage travel. If necessary, compromise so that the tolerance is achieved over the entire carriage travel. If this cannot be achieved, the print quality will be poor.
7. When the adjustment is made, replace the ribbon and paper to the machine.
8. Dress down the print head cable as shown in figure #2. With the head in the left most position form a generous 180° loop in the cable and clamp the cable to the base of the machine using the plastic clamps provided. Dress the cable along the right side of the base and down through the hole provided at the rear of the base. The cable must

SIZE <b>A</b>	CODE SP	NUMBER LA30-0-10	REV
------------------	------------	---------------------	-----

TITLE LA30 Print Head Installation Instruction

not snag or hang up as the head is moved from left to right.

9. Insert the connector board on the end the printhead cable into the upper righthand most slot in the logic assembly. The connector board is properly installed with the lettered edge of the board (reading "LA30 PRINT HEAD CONNECTORS") at the top.
10. Carefully close the logic assy making certain that cabling is not pushed up into the fans on the bottom ends of the ribbon drive motors.
11. Close covers and turn on power. The printer is ready for use.
12. Be certain to use only DEC Standard Ribbon (P/N 12-10378).

Certain IBM ribbons appear to be identical to the DEC ribbons but will smudge badly when used in a printer which has been set up properly according to the above procedure.

TITLE LA30 Print Head Installation Instruction

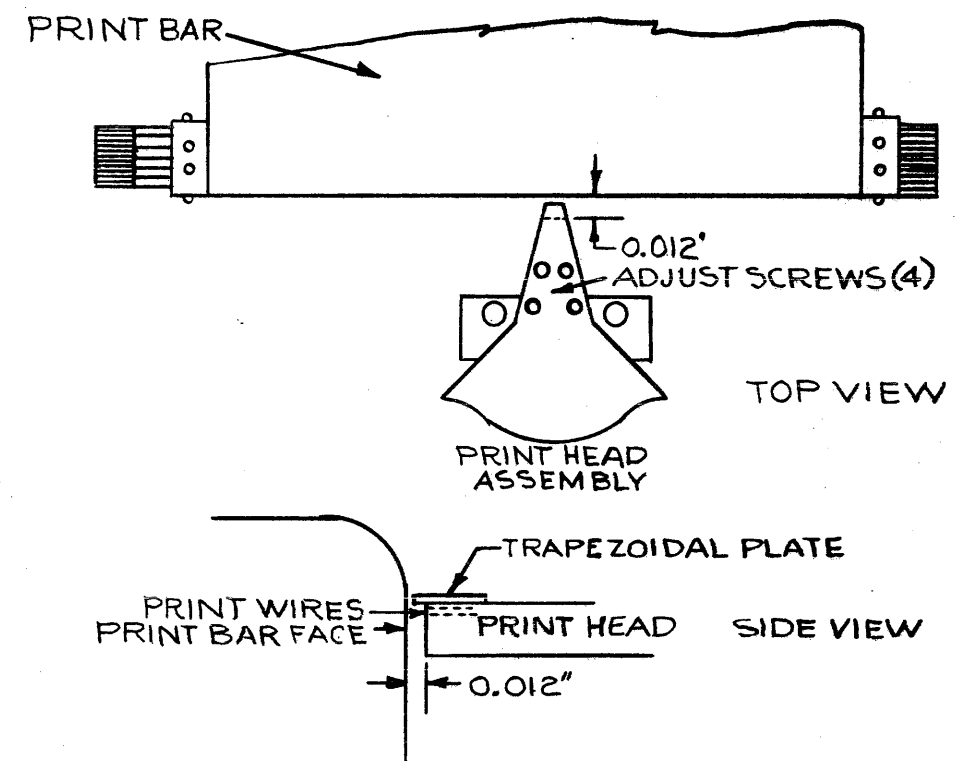
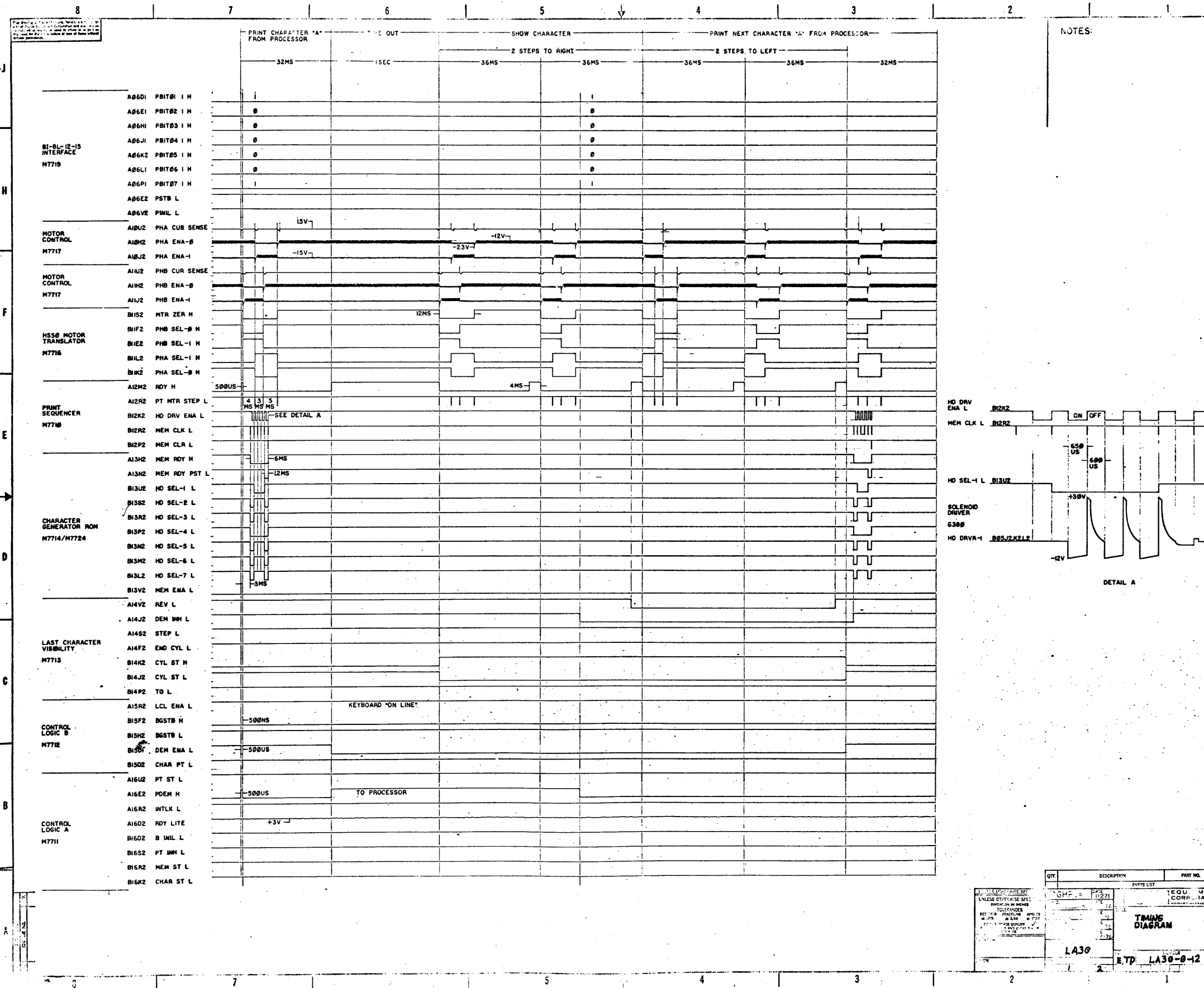
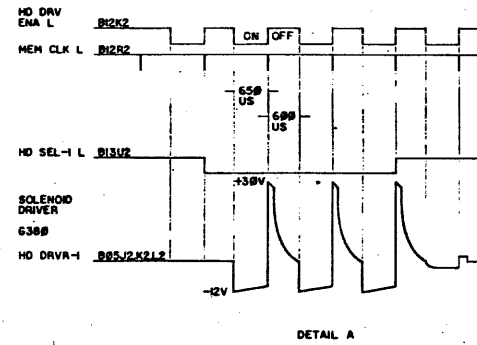


FIGURE 1 : PRINT HEAD ADJUSTMENT

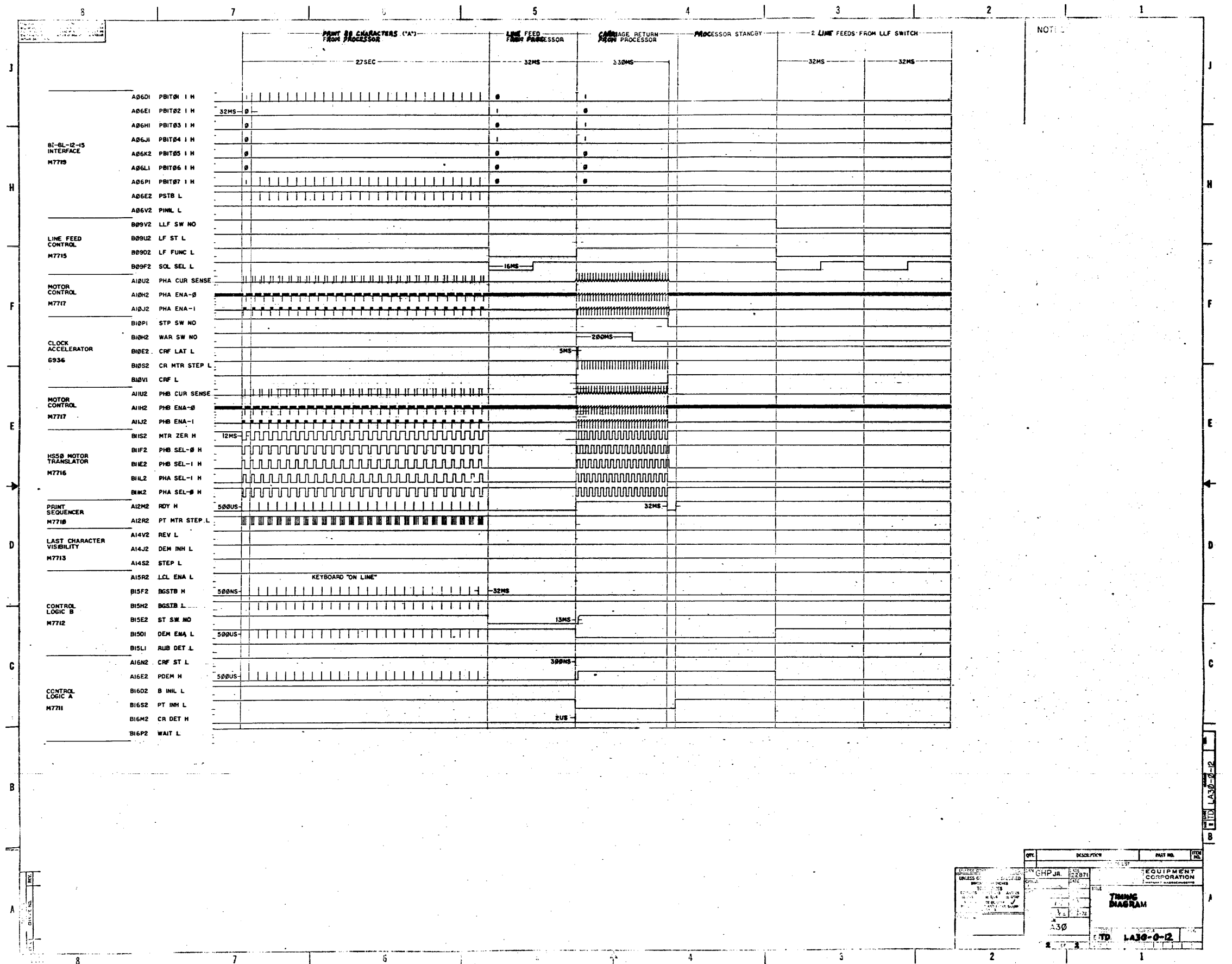


NOTES:



QTY	DESCRIPTION	PART NO.
1	LA30	LA30-0-12

DATE: 11/27/71  
 E.T.P. LA30-0-12



NOTE

DATE	REV	DESCRIPTION	PART NO.
GHPJA EQUIPMENT CORPORATION		TITLE <b>TIMING DIAGRAM</b>	
130		TD 1A30-0-12	

TD 1A30-0-12



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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS**

**ENGINEERING SPECIFICATION**

DATE 10-4-72

TITLE UL REQUIREMENTS FOR LA30

**REVISIONS**

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	CHANGE PER ECO	LA30-00087	DUPONT	3/73	<i>William</i>	6/14/73

ENG <i>C. Youse RH</i>	APPD <i>C. Youse RH</i>	SIZE <b>A</b>	CODE SP	NUMBER LA30-0-13	REV A
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DEC FORM NO. DRA 107

**ENGINEERING SPECIFICATION**

CONTINUATION SHEET

TITLE UL REQUIREMENTS FOR LA30

1.0 SCOPE

1.1 This specification lists all parts, assemblies and materials that shall not be substituted or altered without first considering what effect it will have on the U. L. listing.

2.0 ELECTRICAL CHARACTERISTICS

115V 47-63HZ, 5A OR 230V, 47-63HZ, 2.5A.

3.0 CONSTRUCTION

3.1 Upper Enclosure -

3.1.1 Top portion constructed of fiberglass - min. 1/8 inch thick.

3.1.2 Bottom portion - min. 1/8 inch thick - cast aluminum. The overall dimensions are 24 1/4 by 21 by 5 1/2.

3.2 Lower Enclosure

3.2.1 Constructed of sheet aluminum, min. 1/16 inch thick, with 18 1/4 by 13 3/4 by 10-1/2 in cabinet. REAR DOOR CONSTRUCTED OF .093 ABS-SE BLACK HAIRLINE.

3.3 Ventilation Openings

Left side of stand provided with two rows of seven 1/4 by 4 3/8 in. vents. Right side of stand contains same vents as above and twelve additional vents approximately 1 by 1/4 inch each. Bottom enclosure of cabinet contains 6 by 11 inch pattern of 5/64 inch dia. holes on 1/8 inch centers.

3.4 Stand

Cast aluminum, min. 1/8 in. thick, 25 3/4 in. high, 19 3/4 in. wide and 24 in. deep at bottom.

4.0 SPECIAL PARTS

The parts listed on Table I, page 2, shall not be altered or replaced without consideration of the U. L. listing.

DEC FORM NO 16-1022  
DRA 108

SIZE <b>A</b>	CODE SP	NUMBER LA30-0-13	REV A
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SHEET 2 OF 3

**ENGINEERING SPECIFICATION**

digital

CONTINUATION SHEET

TITLE UL REQUIREMENTS FOR LA30

TABLE I

<u>DEC PT. NO.</u>	<u>CODE</u>	<u>DESCRIPTION</u>	<u>APPD. VENDORS</u>	<u>VENDOR CODE</u>
1210434	C	Cover	Hooker Chemical	Z-3001 Fero Zelcoat
1210316	A	Ribbon Drive Motors	Merkle-Korff	450901
1210316	*A	Motor	Ecodyne	1210316
1210489	A	Circuit Protector	Air Pax	UPG-1 with suffixes
1209942	A	Fans	IMC Magnetics	WS2107FL-2
1700006	B	Supply Cord	-----	-----
1210191	A	On/Off Switch	Texas/Instrument	52MC12 with suffixes
1210191	*A	On/Off Switch	Airpax	UPGH-11 with suffixes
9007220	B	Fuse	-----	-----
	B	Fuse Holder	-----	-----
1000034	A	Line Filter	Components Corp.	10B2 @ 10 AMPS
"	*A	" "	CDE	YAT10011-1
1610416	R	Transformer	-----	-----

CODES:

- A. Part must be purchased from only those vendors indicated.
- B. Part must be purchased from any U. L. recognized vendor.
- C. Part may be fabricated by anyone providing material is supplied by a U. L. recognized vendor.

\* Denotes alternate approved vendor.

SIZE A	CODE SP	NUMBER LA 30-0-13	REV A
-----------	------------	----------------------	----------

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION													
PARTS LIST					H735-A	H735-B	H735-C	H735-D										
MADE BY	R. ROBICHAUD	CHECKED	J. FLEMING	SECTION														
DATE	6-29-71	DATE	7-20-71	1														
ENG	YOUSE	PROD	E. TOMPKINS	ISSUED SECT.														
DATE	9-10-71	DATE	9-8-71	1														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																
1	D-IA-5309399-0-0	CHASSIS, POWER SUPPLY			1	1	1	1										
2	D-IA-5309540-0-0	BRACKET, POWER SUPPLY			1	1	1	1										
3	B-MD-5309853-0-0	COVER, TERMINAL STRIP			1	1	1	1										
4	1610416	TRANSFORMER, 50/60 HZ			1	1	1	1										
5	1910460	REGULATOR +5 VDC LM309K			1	1	1	1										
6	1210191-01	CIRCUIT BREAKER 5 AMP			1	0	1	0										
7	1210191-02	CIRCUIT BREAKER 2.5 AMP			0	1	0	1										
<del>8</del>	<del>1201200</del>	<del>RECEPTACLE, POWER TRANSISTOR</del>			<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>										
9	1700006	POWER CORD			1	1	0	0										
10	9008509	BUSHING STRAIN RELIEF			1	1	1	1										
11	1210012-1	HEAT SINK #680-1.25			1	1	1	1										
12	1105397	DIODE DM2			2	2	2	2										
13	1300212	RES 50Ω 25W + 10%			2	2	2	2										
14	9006829	SPACER 1/2" AF X 3/8" LG			2	2	2	2										
15	9006033-1	SCR PHL HD PAN #6-32 X 2 1/2 SST			2	2	2	2										
16	9006674	CENTER WASHER #916 5/8 OD			4	4	4	4										
17	1010425	CAP 35000 MFD 35V			1	1	1	1										
18	1210431	BRACKET, CAP			1	1	1	1										
19	1010423	CAP. 46000 MFD 20V			1	1	1	1										
20	1210429	BRACKET CAP			1	1	1	1										
21	1010426	CAP. 37000 MFD 15V			1	1	1	1										
22	1210430	BRACKET CAP			1	1	1	1										
TITLE POWER SUPPLY (H735)					ASSY NO. E-UA-H735-Ø-Ø		SIZE CODE A PL		NUMBER H735-Ø-Ø				REV. N		ECO NO. H735-00012			
					SHEET 1 OF 4		DIST. G											

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION													
PARTS LIST					H735-A	H735-B	H735-C	H735-D										
MADE BY	R. ROBICHAUD	CHECKED	J. FLEMING	SECTION														
DATE	6-29-71	DATE	7-20-71	1														
ENG	YOUSE	PROD	E. TOMPKINS	ISSUED SECT.														
DATE	9-10-71	DATE	9-8-71	1														
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																
23	1010424	CAP 4400 MFD, 20V			1	1	1	1										
24	1210428	BRACKET, CAP			1	1	1	1										
25	9008268	WAKEFIELD COMPOUND			A/R	A/RA	RA/R											
26	9007231	JUNC TERM BUSHING (RED) HEYCO			2	2	2	2										
27	9007234	JUNC TERM BUSHING (ORN) HEYCO			2	2	2	2										
28	9007236	JUNC TERM BUSHING (GRN) HEYCO			2	2	2	2										
29	9007232	JUNC TERM BUSHING (BLU) HEYCO			2	2	2	2										
30	9007237	JUNC TERM BUSHING (BLK) HEYCO			6	6	6	6										
31	9007238	TAB, SOLDER #T202-S HEYCO			14	14	14	14										
32	9007031	TIE-WRAP #SST-1B PANDUIT			A/RA	RA/RA	RA/R											
33	9007776	TAB FASTON #61349-1 AMP			8	8	8	8										
34	9007596	TAB BRASS #10 HOLE			2	2	2	2										
35	9007242	FUSE HOLDER			1	1	1	1										
36	1000034	CAP. 1 MFD 100V CDE 7014			1	1	1	1										
37	9007193	TERM ADAPTER, ARKLESS #3000 541 B			4	4	4	4										
38	9006022-1	SCR, PHL PAN HD #6-32 X .38			16	16	16	16										
39	9006025-1	SCR, PHL PAN HD #6-32 X .62			2	2	2	2										
40	9006026-1	SCR, PHL PAN HD #6-32 X .75			4	4	4	4										
41	9006029-1	SCR, PHL PAN HD #6-32 X 1.25			2	2	2	2										
42	9008020-2	SCR, PHL FLAT HD #6-32 X .19			4	4	4	4										
43	9006074-1	SCR, PHL PAN HD #10-32 X .62			4	4	4	4										
44	9006633	WASHER INT. TOOTH LOCK #6			24	24	24	24										
TITLE POWER SUPPLY (H735)					ASSY NO. E-UA-H735-Ø-Ø		SIZE CODE A PL		NUMBER H735-Ø-Ø				REV. N		ECO NO.			
					SHEET 2 OF 4		DIST. G											

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION													
PARTS LIST				H735-A	H735-B	H735-C	H735-D										
MADE BY R. ROBICHAUD		CHECKED J. FLEMING						SECTION									
DATE 6-29-71		DATE 7-20-71		1													
ENG YOUSE		PROD E. TOMPKINS		ISSUED SECT.													
DATE 9-10-71		DATE 9-8-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
45	9006636	WASHER, INT. TOOTH LOCK #10		4	4	4	4										
46	9006560	NUT, KEP #6		2	2	2	2										
47	9107370-00	WIRE, #14 AWG STRD TEF INS BLK		A/RA	R	A/RA	R										
48	9107370-33	WIRE, #14 AWG STRD TEF INS ORN		A/RA	RA	RA	RA										
49	9107370-44	WIRE, #14 AWG STRD TEF INS YEL		A/RA	RA	RA	RA										
50	9107370-55	WIRE, #14 AWG STRD TEF INS GRN		A/RA	RA	RA	RA										
51	9107370-66	WIRE, #14 AWG STRD TEF INS BLU		A/RA	RA	RA	RA										
52	9107370-77	WIRE #14 AWG STRD TEF INS VIO		A/RA	RA	RA	RA										
53	9107370-88	WIRE, #14 AWG STRD TEF INS GRY		A/RA	RA	RA	RA										
54	9107370-99	WIRE, #14 AWG STRD TEF INS WHT		A/RA	RA	RA	RA										
55	9107360-00	WIRE, #18 AWG STRD TEF INS BLK		A/RA	RA	RA	RA										
56	9107360-22	WIRE, #18 AWG STRD TEF INS RED		A/RA	RA	RA	RA										
57	9107360-55	WIRE, #18 AWG STRD TEF INS GRN		A/RA	RA	RA	RA										
58	9107360-99	WIRE #18 AWG STRD TEF INS WHT		A/RA	RA	RA	RA										
59	9107440-29	WIRE #14 AWG STRD TWP RED/WHT		A/RA	RA	RA	RA										
60	9007925	DUAL SOLDERLESS CONN. ARKLESS #3000 H21A		3	3	3	3										
61	9007919	SOLDERLESS CONN ARKLESS #50906		47	47	47	47										
62	9007917	SOLDERLESS CONN ARKLESS #50902		2	2	2	2										
63	9007669	SOLDERLESS CONN. ARKLESS #41450		1	1	1	1										
64	9007927	SOLDERLESS CONN ARKLESS #50325		2	2	2	2										
65	9008440	INSERT NYLON #6 HOLE		2	2	2	2										
66	9107305	TUBING HEAT SHRINKABLE RED		A/RA	RA	RA	RA										
TITLE POWER SUPPLY (H735)				ASSY NO. E-UA-H735-0-0		SIZE CODE A PL		NUMBER H735-0-0				REV. N		ECO NO.			
				SHEET 3 OF 4		DIST.											

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION													
PARTS LIST				H735-A	H735-B	H735-C	H735-D										
MADE BY R. ROBICHAUD		CHECKED J. FLEMING						SECTION									
DATE 6-29-71		DATE 7-30-71		1													
ENG YOUSE		PROD E. TOMPKINS		ISSUED SECT.													
DATE 9-10-71		DATE 9-8-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
67	9006803	SPACER #6 HOLE .25AF X .50 LG		2	2	2	2										
68	9006586	NUT CLIP TINNERMAN #10-32		4	4	4	4										
69	1000037	CAP .22 MFD 100 V		1	1	1	1										
70	1000084	CAP 150 MFD 15V		1	1	1	1										
71	1300152	RES 2 OHM 2W 5% WW		1	1	1	1										
72	9007220	FUSE 4 AMP SLOW BLOW		1	1	1	1										
73	1503399	TRANSISTOR 3790-2		1	1	1	1										
74	1200395	RES 1.5 K 1W + 10%		1	1	1	1										
75	1210130	SOCKET TRANSISTOR		2	2	2	2										
76	9107256-01	TUBING 22AWG THIN WALL (BRN)		A/RA	RA	RA	RA										
<del>77</del>	<del>9107256-09</del>	<del>TUBING 22 AWG THIN WALL (WHT)</del>		<del>A/RA</del>	<del>RA</del>	<del>RA</del>	<del>RA</del>										
78	1004812	CAP 15 MFD 20V S.TANT.		1	1	1	1										
79	9006071-1	SCR, PHL PAN HD #10-32 x .38		2	2	2	2										
80	9006635	WASHER INT. TOOTH LOCK #10		2	2	2	2										
81	1700016-15	POWER CORD		0	0	1	1										
82	9107278-01	TUBING 18 AWG THIN WALL (BRN)		A/RA	RA	RA	RA										
83	9008419	INSULATOR, TRANSISTOR MYLAR		1	1	1	1										
84	9107253-09	TUBING HEAT SHRINKABLE WHITE		A/RA	RA	RA	RA										
TITLE POWER SUPPLY (H735)				ASSY NO. E-UA-H735-0-0		SIZE CODE A PL		NUMBER H735-0-0				REV. N		ECO NO.			
				SHEET 4 OF 4		DIST.											

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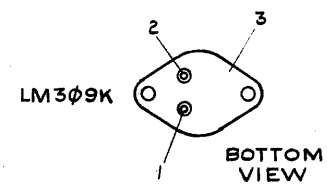
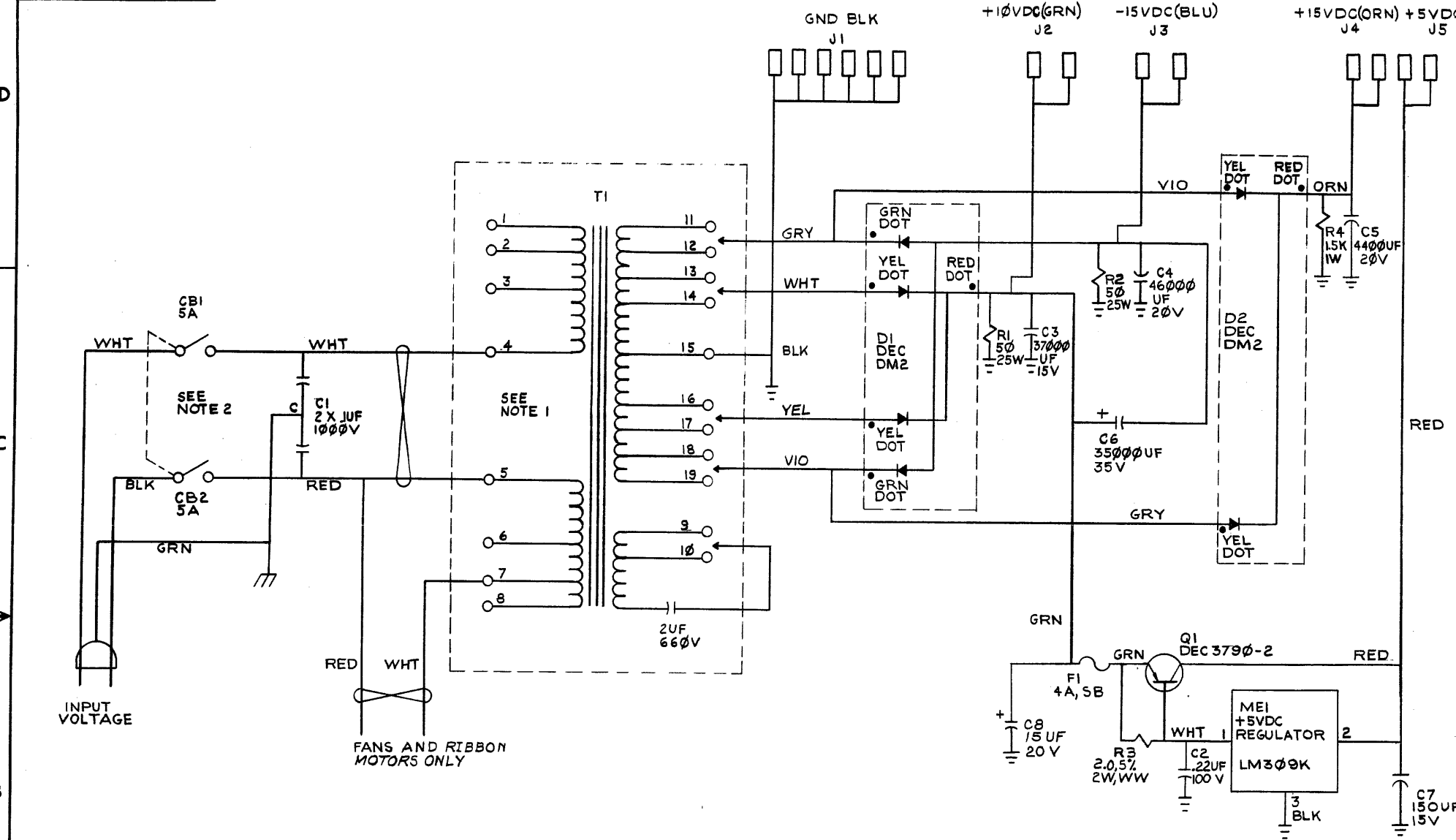
NOTES:

PRIMARY TERMINAL CONNECTIONS		
INPUT VOLTAGE ±15%, ±1 HZ	JUMPERS	LINE CONNECTORS
10φ 60 HZ	3-5, 4-6	4, 5
12φ 60 HZ	4-7, 5-2	4, 5
24φ 60 HZ	2-7	4, 5
10φ 50 HZ	4-7, 5-2	4, 5
115 50 HZ	4-8, 5-1	4, 5
2φ 50 HZ	2-7	4, 5
22φ 50 HZ	2-8	4, 5
24φ 50 HZ	1-8	4, 5

SECONDARY TERMINAL CONNECTIONS		
OUTPUT CONNECTIONS	JUMPERS	POWER SUPPLY WITH RATING
12-15-18	—	15-16.6 VDC 8A, 60 HZ
14-15-16	—	10-11.5 VDC 8A, 60 HZ
11-15-19	—	15-16.6 VDC 8A, 50 HZ
13-15-17	—	10-11.5 VDC 8A-50 HZ
CAP 60 HZ	1φ	
CAP 50 HZ	9	

- FOR INPUT VOLTAGES 20φ VAC AND ABOVE, USE 2.5A CIRCUIT BREAKERS (DEC 1210191-02)
- H735-A IS 115V 60 HZ  
H735-B IS 230V 60 HZ  
H735-C IS 115V 50 HZ  
H735-D IS 230V 50 HZ

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	C8	CAP 15 MFD 20V S.TANT	1004812	
1	R3	RES. 2Ω 2W 5% WW	1300152	
2	R1 & 2	RES. 50Ω 25W ±10%	1300212	
1	T1	TRANSFORMER 50/60 HZ	1610416	
1	Q1	TRANSISTOR 379φ-2	1503399	
1	F1	FUSE 4A, SLOW BLOW	9007220	
2	D1 & 2	DIODE DM2	1105397	
2	CB 1 & 2	CIRCUIT BREAKER 5 AMP	1210191-01	
1	R4	RES 1.5 K 1W ±10%	1200395	
1	C7	CAP 15φ MFD 15V	1000084	
1	C6	CAP 35φφ MFD 35V	1010425	
1	C5	CAP 44φφ MFD 20V	1010424	
1	C4	CAP 46φφ MFD 20V	1010423	
1	C3	CAP 37φφ MFD 15V	1010426	
1	C2	CAP .22 MFD 100 V	1000037	
1	C1	CAP .1 MFD 100φV CDE 7014	1000034	



FIRST USED ON OPTION/MODEL		PARTS LIST	
LA 30		ETCH BOARD REV	
DRN. T. QUILLAN	DATE 5-7-71	 <b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D. J. FLEMING	DATE 5-26-71		
ENG. C. YOUSE	DATE 8-9-71		
PROJ. ENG. C. YOUSE	DATE 8-6-71		
PROD. E. TOMPKINS	DATE 8-8-71	TITLE <b>POWER SUPPLY (H735)</b>	
NEXT HIGHER ASSY		SCALE NONE	NUMBER
SEMICONDUCTOR CONVERSION CHART		SHEET	DIST.

CHK	CHANGE NO.	REV	REVISIONS
		A	
		B	
		C	
		D	
		E	
		F	
		G	
		H	
		I	
		J	
		K	
		L	
		M	
		N	
		O	
		P	
		Q	
		R	
		S	
		T	
		U	
		V	
		W	
		X	
		Y	
		Z	

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

LEGEND

- D DOCUMENT
- DN DOCUMENT CHANGE NOTICE
- PA PAPER TAPE ASCII
- PB PAPER TAPE BINARY
- PM PAPER TAPE READ-IN-MODE

QUANTITY / VARIATION

MADE BY <i>J. Kelly</i>	CHECKED <i>J. Kelly</i>	SECTION	
DATE <i>9-9-71</i>	DATE <i>9-10-71</i>	I	
ENG <i>J. Kelly</i>	PROD <i>R. Thompson</i>	ISSUED SECT.	
DATE <i>9-10-71</i>	DATE <i>9/10/71</i>	I	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION					KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
1	12-10378	DECwriter ribbon	1										
2	36-09829	Paper, 9 7/8 x 11, 3200 sheets	1										
3	LA30-0	LA30 Print Set	1										
4	1810558-2	RIBBON TAKE-UP REEL	1										
5	DEC-00-LA30-D	MAINTENANCE MANUAL	1										
6	9007601	LEGS LEVELING	4										

TITLE LA30 DECwriter	ASSY. NO. D-UA-LA30-0-0	SIZE A	CODE AL	NUMBER LA30-0-6	REV. A	ECO NO. LA30-00075	
SHEET 1 OF 1		DIST.					

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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS**

**ENGINEERING SPECIFICATION**

DATE 12-29-71

TITLE LA30 Print Head Installation Instructions

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG <i>W. Owens</i>	APPD <i>W. Owens</i>	SIZE <b>A</b>	CODE SP	NUMBER LA30-0-10	REV
------------------------	-------------------------	------------------	------------	---------------------	-----

**ENGINEERING SPECIFICATION**



CONTINUATION SHEET

TITLE LA30 Print Head Installation instructions

1. Turn off power to the LA30 by switching off the circuit breaker at the back of the unit. Open the top cover, remove ribbon and paper from the printer, remove the rear cover and swing open the logic assembly.
2. With the Print Bar Assembly latched in place with the cam lever, loosely mount the print head on the carriage using four #6-32 x 11/16 screws with lock washers.
3. Place the .012 feeler gauge (DEC part no 7409560) supplied with each head between the end of the print wires and the print bar face. While using light pressure to hold the head squarely against the gauge, tighten the four screws securely.

NOTE: The small flat plate (trapezoidal in shape) on the top of the nose of the head extends beyond the ends of the print wires and is not intended to be used in setting the print gap. Make certain the feeler gauge is below this plate.

The clearance is correct if the gauge is held in place by the head but can be removed with only light drag. See Figure #1.

4. If the measurement is out, slightly loosen the four screws that fasten the print head assembly to the carriage and adjust the Print Head until it is perpendicular to, and snug against, the gauge.
5. Tighten the screws and recheck the adjustment.
6. Make sure the clearance is between 0.010 and 0.014 in at each end of carriage travel. If necessary, compromise so that the tolerance is achieved over the entire carriage travel. If this cannot be achieved, the print quality will be poor.
7. When the adjustment is made, replace the ribbon and paper to the machine.
8. Dress down the print head cable as shown in figure #2. With the head in the left most position form a generous 180° loop in the cable and clamp the cable to the base of the machine using the plastic clamps provided. Dress the cable along the right side of the base and down through the hole provided at the rear of the base. The cable must

	SIZE <b>A</b>	CODE SP	NUMBER LA30-0-10	REV
--	------------------	------------	---------------------	-----

TITLE LA30 Print Head Installation Instruction

not snag or hang up as the head is moved from left to right.

9. Insert the connector board on the end the printhead cable into the upper righthand most slot in the logic assembly. The connector board is properly installed with the lettered edge of the board (reading "LA30 PRINT HEAD CONNECTORS") at the top.
10. Carefully close the logic assy making certain that cabling is not pushed up into the fans on the bottom ends of the ribbon drive motors.
11. Close covers and turn on power. The printer is ready for use.
12. Be certain to use only DEC Standard Ribbon (P/N 12-10378).

Certain IBM ribbons appear to be identical to the DEC ribbons but will smudge badly when used in a printer which has been set up properly according to the above procedure.

TITLE LA30 Print Head Installation Instruction

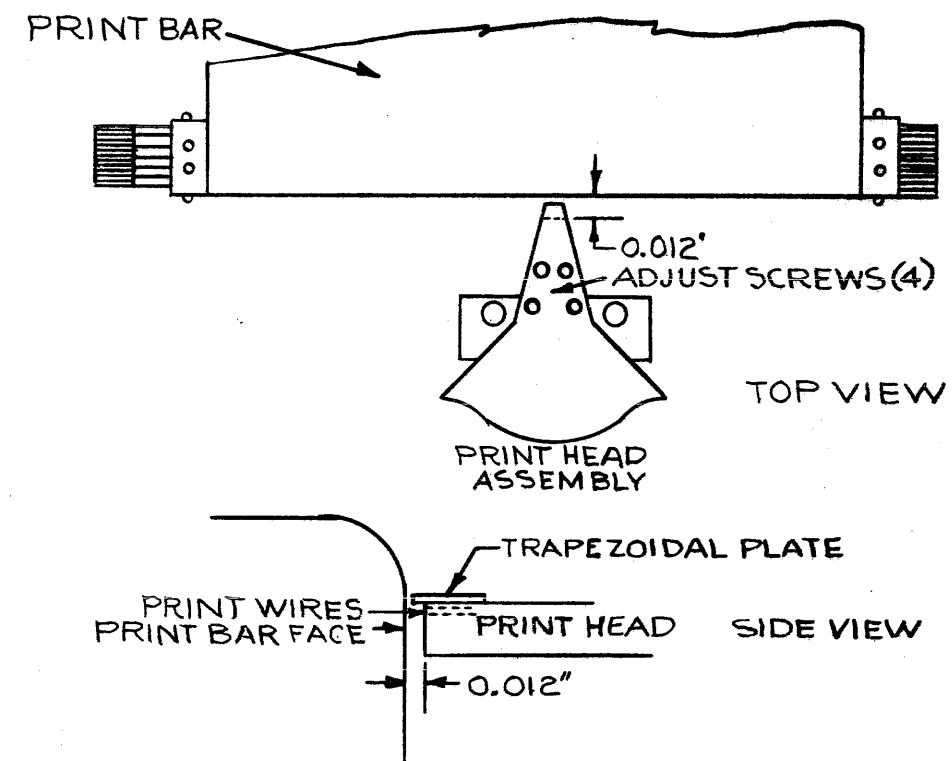


FIGURE 1 : PRINT HEAD ADJUSTMENT

SIZE	CODE	NUMBER	REV
A	SP	LA30-0-10	

SHEET 3 OF 5

SIZE	CODE	NUMBER	REV
A	SP	LA30-0-10	

SHEET 4 OF 5



TITLE LA30 Print Head Installation Instruction

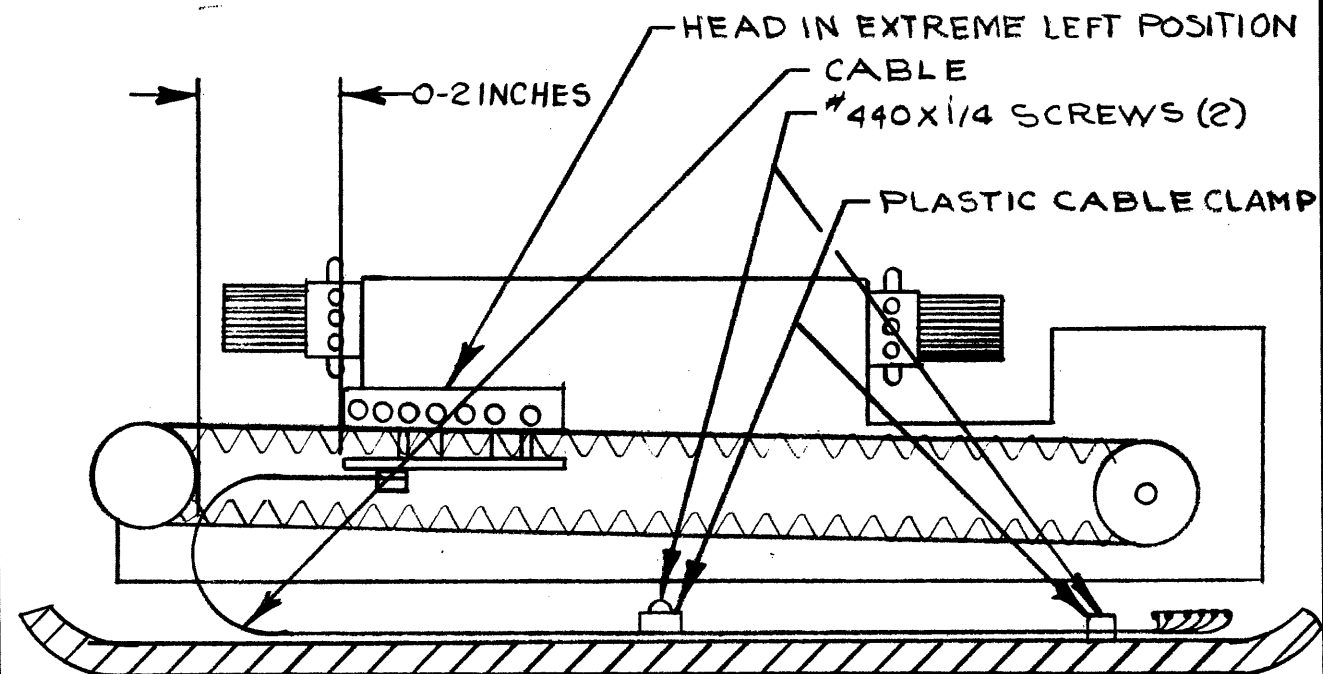
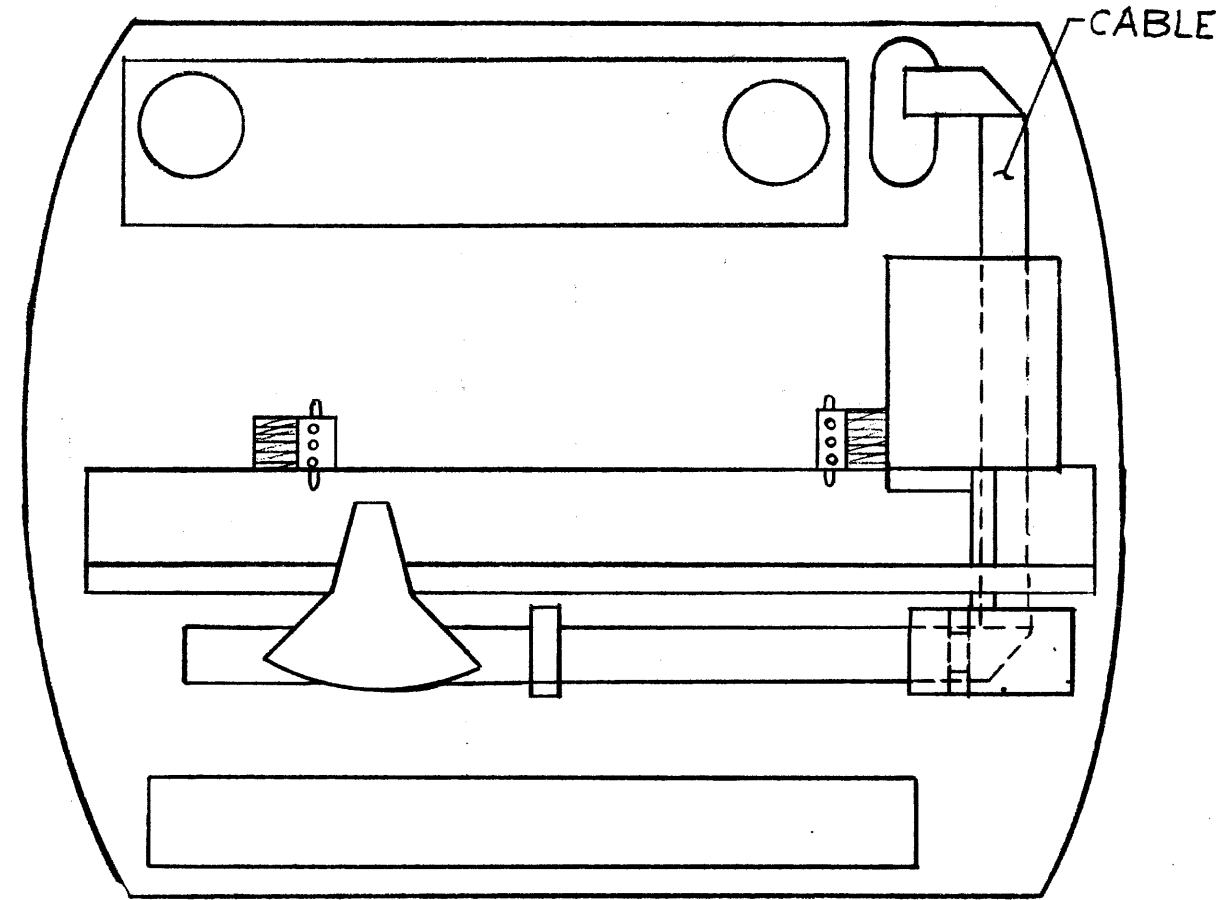



FIG 2: CABLE DRESSING

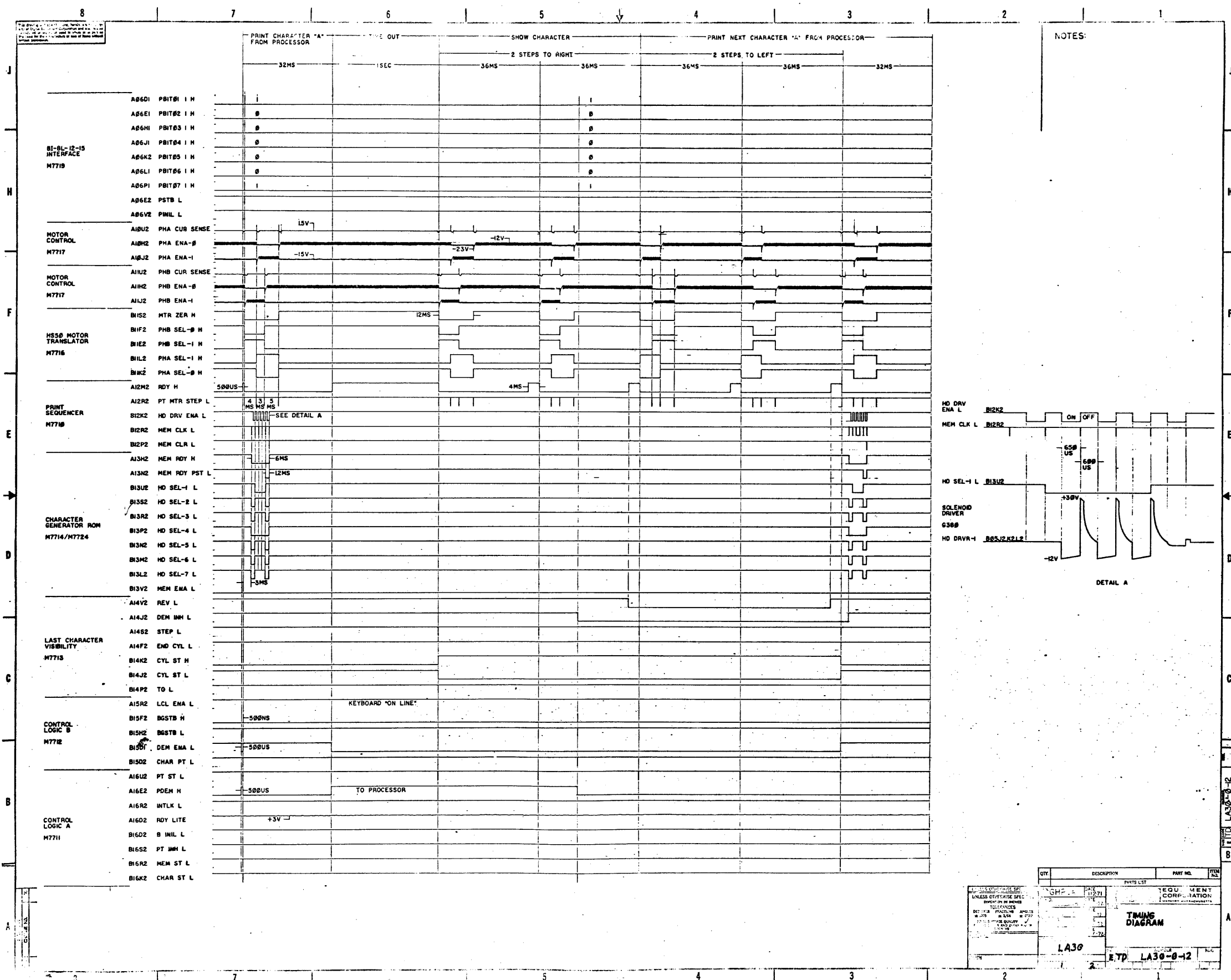
SIZE	CODE	NUMBER	REV
A	SP	LA30-0-10	

DRWG NO  
 K-WL-LA30-0-02

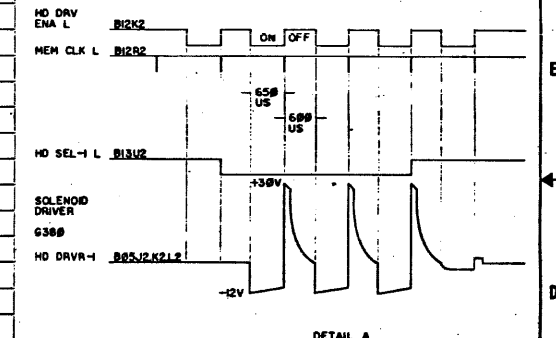
REVLTR  
 K

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	LA30-00015	9-21-71	CAF
B	LA30-00018	10-1-71	CAF
C	LA30-00030	10-27-71	CAF
D	LA30-00050	12-21-71	CAF
E	LA30-00051	1-31-72	CAF
F	LA30-00062	3-13-72	CAF
H	LA30-00073	8-2-72	CAF
J	LA30-00075	9-28-72	CAF
K	LA30-00078	11-10-72	CAF

DRAWN <i>L. Richard</i>	DATE 4-15-71		TITLE WIRE LIST (LA30)		
CHECKED <i>J. Corning</i>	DATE 4-26-71		FOR TAPE# FILE#		
ENG <i>Ch. [unclear]</i>	DATE 8-6-71		SIZE K	CODE WL	DWG. NO. LA30-0-02
PROJ ENG <i>OA [unclear]</i>	DATE 8-6-71		ASSY NO A-ML-LA30-0	REV LTR K	
PROD <i>[unclear]</i>	DATE 2-11-71	SCALE #	SHEET / OF /	DIST.	

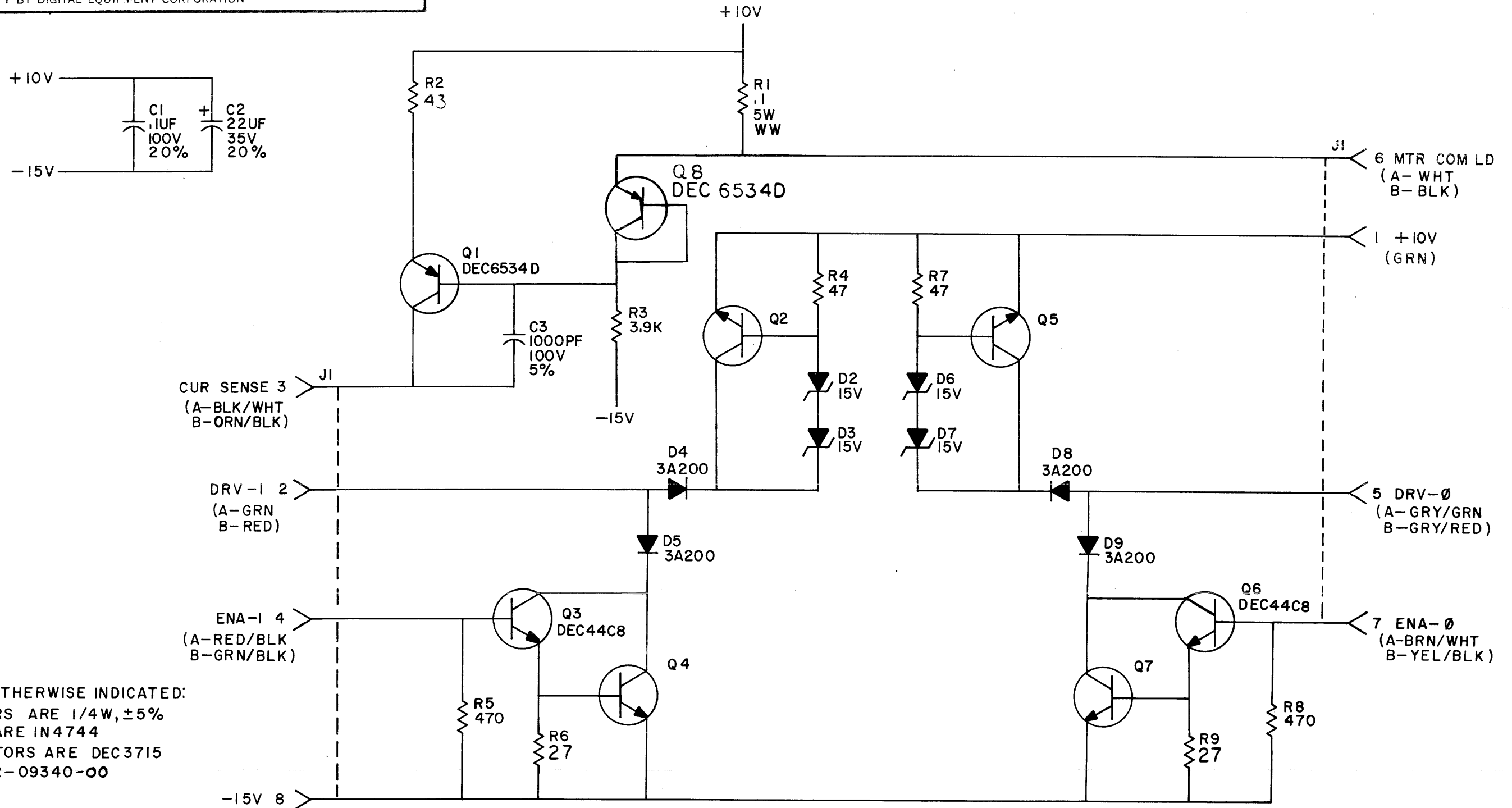


NOTES:



QTY	DESCRIPTION	PART NO.	REV
1	SOLENOID DRIVER 6300	LA30-0-12	1
1	MEM CLK L B12R2		
1	MEM CLR L B12P2		
1	MEM RDY H A13M2		
1	MEM RDY PST L A13N2		
1	HD SEL-1 L B13U2		
1	HD SEL-2 L B13S2		
1	HD SEL-3 L B13R2		
1	HD SEL-4 L B13P2		
1	HD SEL-5 L B13N2		
1	HD SEL-6 L B13M2		
1	HD SEL-7 L B13L2		
1	MEM EMA L B13V2		
1	REV L A14V2		
1	DEM IMM L A14J2		
1	STEP L A14S2		
1	END CYL L A14F2		
1	CYL ST H B14K2		
1	CYL ST L B14J2		
1	TO L B14P2		
1	LCL ENA L A15R2		
1	BGSTB H B15F2		
1	BGSTB L B15H2		
1	DEM EMA L B15G1		
1	CHAR PT L B15D2		
1	PT ST L A16U2		
1	PDEM H A16E2		
1	INTLK L A16R2		
1	RDY LITE A16D2		
1	B INIL L B16D2		
1	PT IMM L B16S2		
1	MEM ST L B16R2		
1	CHAR ST L B16K2		

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UNLESS OTHERWISE INDICATED:  
 RESISTORS ARE 1/4W, ±5%  
 DIODES ARE IN4744  
 TRANSISTORS ARE DEC3715  
 J1 IS 12-09340-00

REV	CHK	NO	REV	DATE
1	C	00001		
2	D	00002		
3	E	00003		
4	F	00004		
5	G	00005		
6	H	00006		
7	I	00007		
8	J	00008		

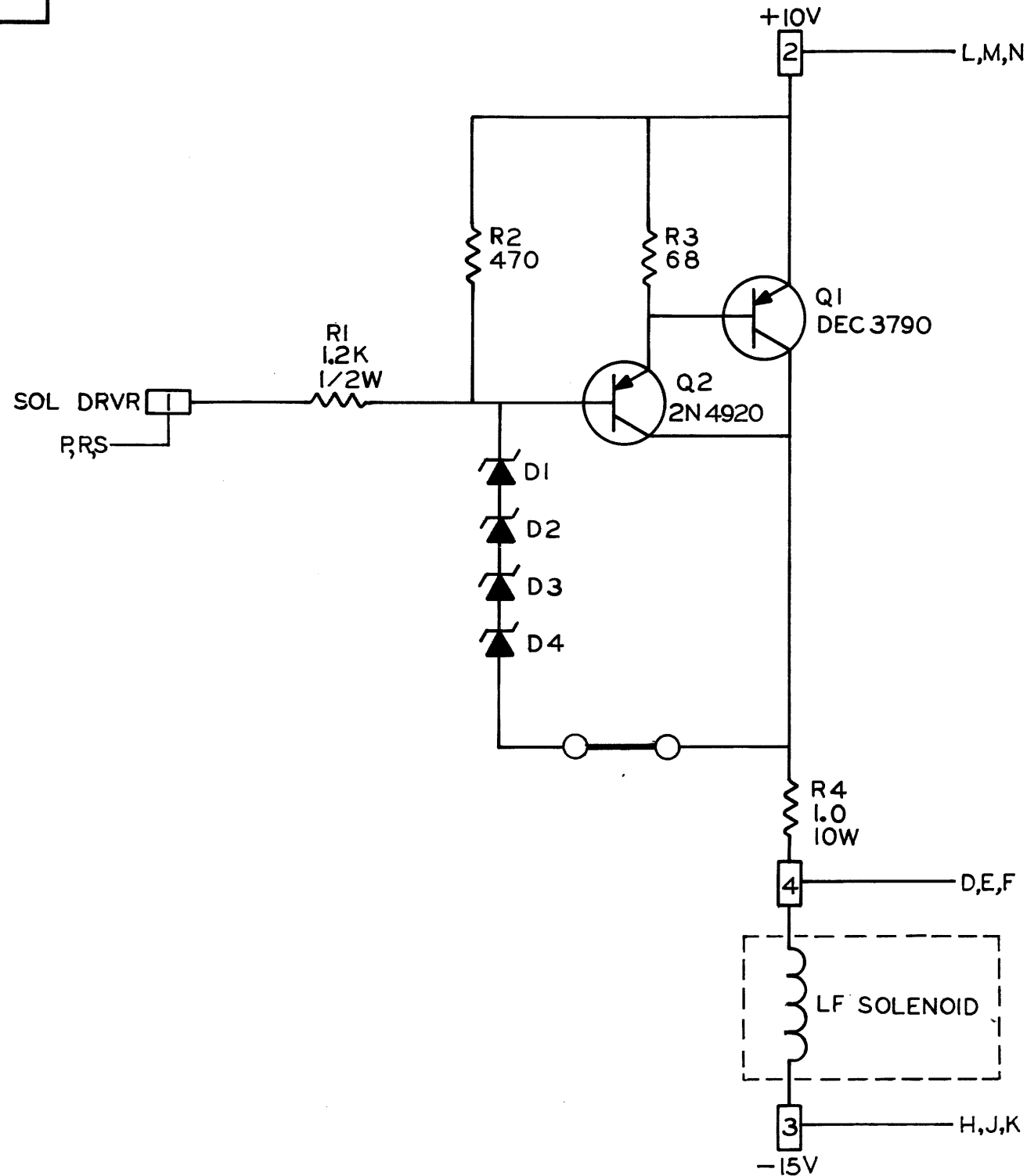
DRN. S. COOPER	DATE 3/16/71
CHK'D [Signature]	DATE 3/26/71
ENG. [Signature]	DATE 4/7/71
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 3715			
DEC6534D	NONE	IN4744	SAME
DEC44C8	D44C8	3A200	

**digital**  
 EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

TITLE			
MOTOR DRIVE AMPLIFIER			
SIZE B	CODE CS	NUMBER H605-0-1	REV. J
PRINTED CIRCUIT REV. E			

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1971 BY DIGITAL EQUIPMENT CORPORATION



UNLESS OTHERWISE INDICATED:  
RESISTORS ARE 1/4W, 5%  
DIODES ARE IN4744

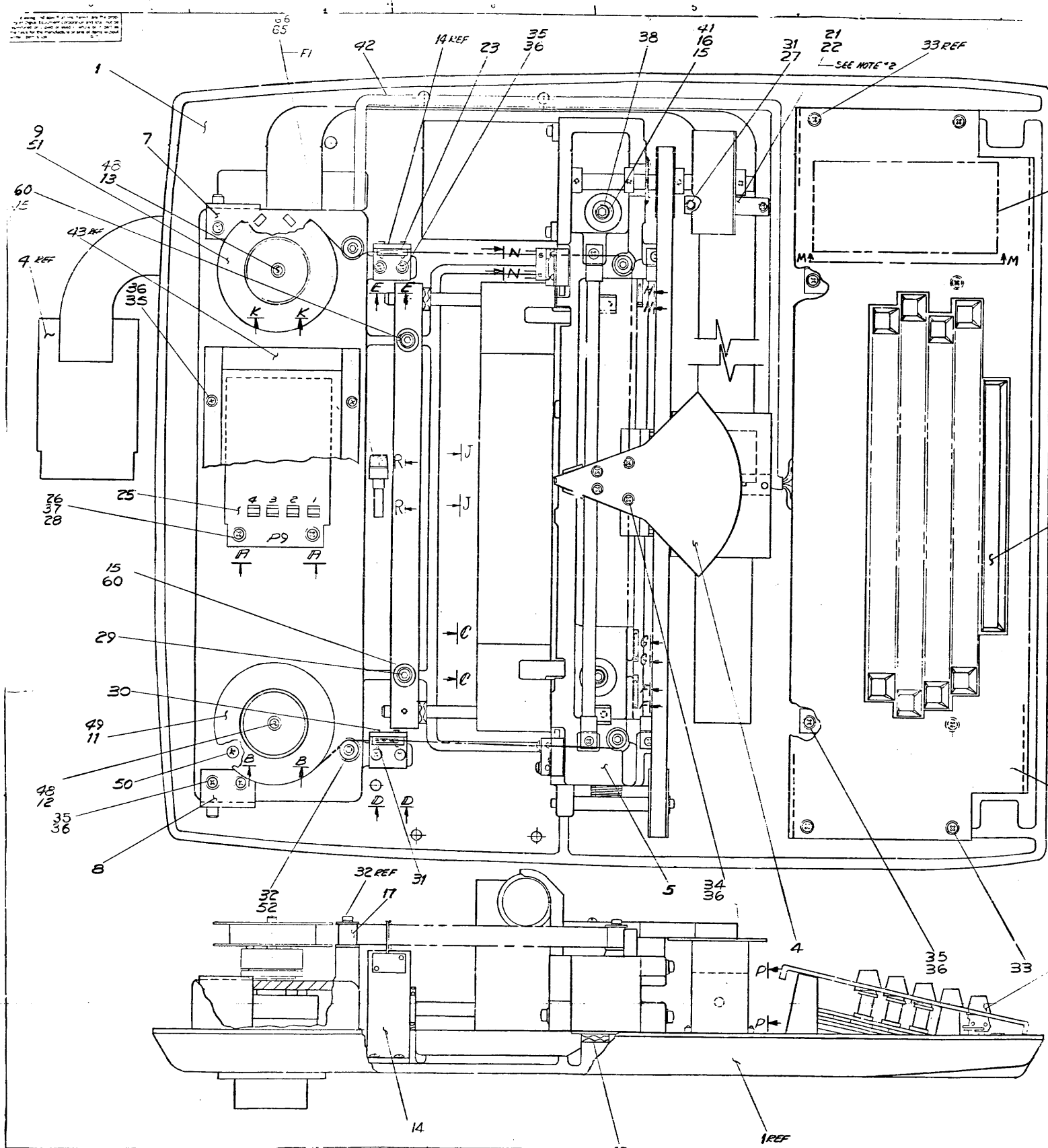
REVISIONS	CHK	CHG NO	REV
		00001	B
		00002	C
		B. A. H. 1/3/72	
		C. YOUSE	
		C. YOUSE 3/24/72	

DRN.	DATE
<i>R. Wald</i>	3/22/71
CHK'D	DATE
<i>R. Wald</i>	9/22/71
ENG.	DATE
<i>Charles Jones</i>	4/2/72
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3790	2N 3790		
	2N 4920		
1N 4744	SAME		

**digital**  
EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

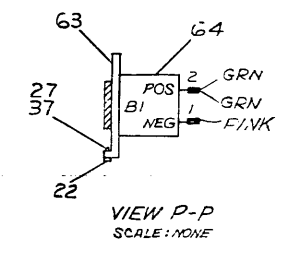
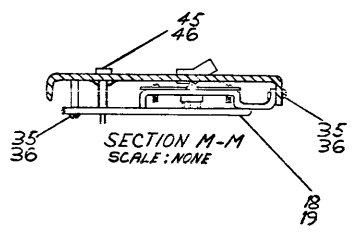
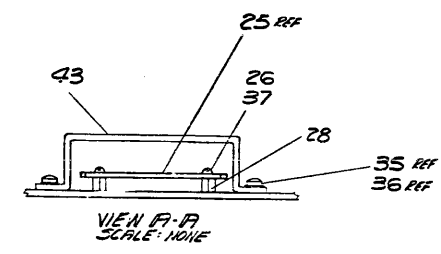
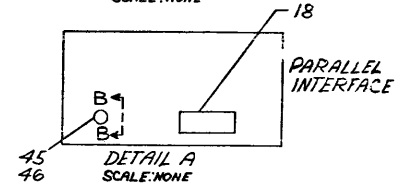
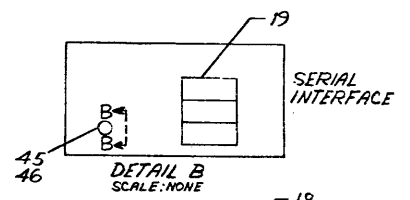
TITLE LINE FEED SOLENOID DRIVER			
SIZE B	CODE CS	NUMBER G381-0-1	REV. C
PRINTED CIRCUIT REV. A			



LEGEND		
NUMBER	VARIATION	
7007267-1-0	PARALLEL	WITH
7007267-2-0	SERIAL	KEYBOARD
7007267-3-0	PARALLEL	NO
7007267-4-0	SERIAL	KEYBOARD

NOTES:  
 1. FOR ASSY PROCEDURES REFER TO EN'S SPEC. A 31430-03  
 2. ITEM 22 (ITEM) TO BE PLACED UNDER AND ON TOP OF RIBBON CABLE WIRE (ITEM 21) (CABLE CLAMP, APPEARS)

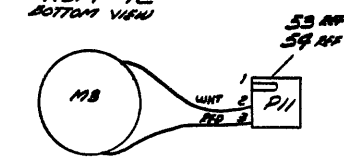
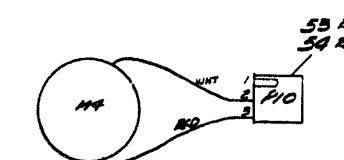
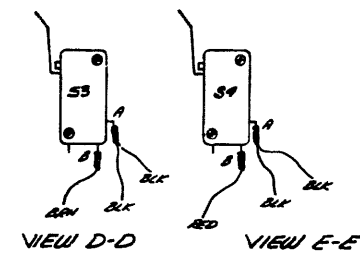
SEE DETAIL A-B



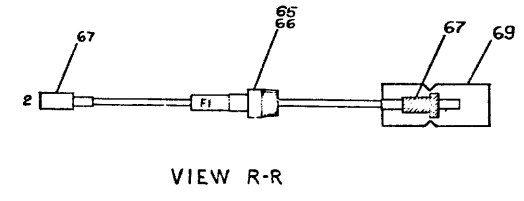
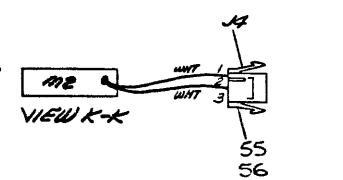
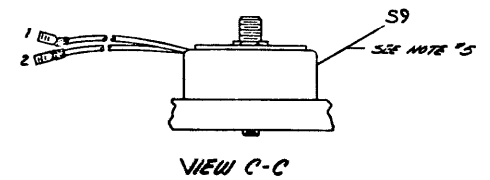
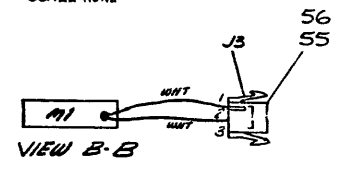
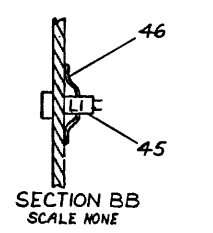
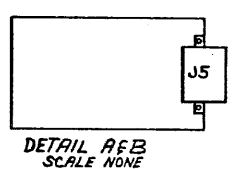
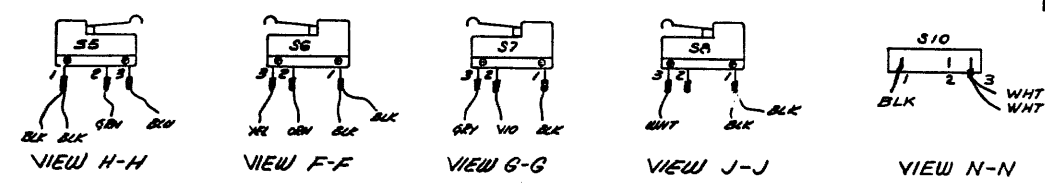
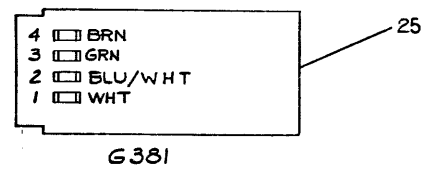
REV	DESCRIPTION	DATE	BY	CHKD
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...

FIRST USED ON	QTY	DESCRIPTION	PART NO.	REV
LA30				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS IN INCHES				
TOLERANCES				
FINISH				
MATERIAL				
EQUIPMENT CORPORATION				
BASE ASSY				
7007267-0-0				

THE WIRE TABLE AND HARNESS WIRE TABLE SHOW THE COLOR OF THE WIRE TO BE USED IN THE CONNECTIONS. THE COLOR OF THE WIRE IS INDICATED BY THE LETTERS IN THE FIRST COLUMN OF THE TABLES. THE COLOR OF THE WIRE IS INDICATED BY THE LETTERS IN THE FIRST COLUMN OF THE TABLES.



ITEM NO.	DESCRIPTION	FROM	TO	REMARKS		
NO.	AWG	COL.	CONNECTION	TERM. CONNECTION	TERM.	REMARKS
18	18	RED	M1	J3-1		
18	18	WHT	M1	J3-2		
22	22	WHT	M2	J4-1		
18	18	WHT	M4	J4-2		
18	18	RED	M4	P10-2		
18	18	WHT	M3	P10-3		
18	18	WHT	M3	P11-2		
18	18	WHT	M3	P11-3		
18	18	WHT	S5-1	G381-1		
18	18	WHT	S5-2	F1-1		40-63
14	14	WHT	F1-2	G381-2		40



ITEM NO.	DESCRIPTION	FROM	TO	REMARKS	
NO.	AWG	COL.	HARNESS NO.	LOCATION	REMARKS
44	18	RED	J1		NO CONN. AT THIS ASSY
18	18	WHT	J1		
18	18	GRN	J2		
18	18	BLU	J2		
22	22	BLU/BLK	P3	J3	VIEW B-B
18	18	GRN	P3	J3	VIEW B-B
22	22	BRN	22	S5-B	VIEW D-D
18	18	BLK	23	S5-A	2 WIRES
18	18	BLK	24	S5-1	
18	18	WHT	26	S5-3	VIEW J-J
18	18	BLK	27	S4-A	2 WIRES
18	18	RED	28	S4-B	VIEW E-E
18	18	PINK	33	B1 (NEG)	VIEW P-P
18	18	BLU	34		NOT USED
18	18	YEL	35	S6-3	VIEW F-F
18	18	ORN	36	S6-2	
18	18	BLK	37	S6-1	2 WIRES
18	18	BLK	38	S7-1	
18	18	GRY	39	S7-3	VIEW G-G
18	18	VIO	40	S7-2	
18	18	BLK	41	S5-1	2 WIRES
18	18	GRN	42	S5-2	
22	22	BLU	43	S5-3	VIEW H-H
18	18	GRN	P4	J4	VIEW K-K
22	22	W/BLK			
18	18	GRN			
18	18	RED	J6	P6	TO STEPPING MOTOR
18	18	YEL	J6	P6	TO STEPPING MOTOR
18	18	GRY	J6	P6	TO STEPPING MOTOR
18	18	WHT	J6	P6	TO STEPPING MOTOR
22	22	BLK	J10	P10	CLOCKWISE MOTOR
18	18	RED	J10	P10	CLOCKWISE MOTOR
18	18	TWP	J10	P10	CLOCKWISE MOTOR
18	18	RED	J11	P11	COUNTER-CLOCKWISE MOTOR
18	18	TWP	J11	P11	COUNTER-CLOCKWISE MOTOR
22	22	WHT			
22	22	GRN/BLK			
18	18	YEL/BLK			
18	18	W/BLK			
18	18	RED	P12		NO CONN. AT THIS ASSY
18	18	GRY	P12		NO CONN. AT THIS ASSY
18	18	BLK	P12		NO CONN. AT THIS ASSY
18	18	GRN	P12		NO CONN. AT THIS ASSY
18	18	BLU	P12		NO CONN. AT THIS ASSY
18	18	GRN	P12		NO CONN. AT THIS ASSY
18	18	RED/BLK	P12		NO CONN. AT THIS ASSY
18	18	BRN/WHT	P12		NO CONN. AT THIS ASSY
18	18	BLK/WHT	P12		NO CONN. AT THIS ASSY
18	18	GRN	P12		NO CONN. AT THIS ASSY
18	18	BLU	P12		NO CONN. AT THIS ASSY
18	18	GRN	P12		NO CONN. AT THIS ASSY
18	18	YEL	P12		NO CONN. AT THIS ASSY
18	18	WHT	P12		NO CONN. AT THIS ASSY
18	18	BLU	P12		NO CONN. AT THIS ASSY
22	22	GRN	P12		NO CONN. AT THIS ASSY
18	18	GRN	P9 (M900)		NO CONN. AT THIS ASSY
18	18	GRN	17	G381-3	2 WIRES
18	18	BLU	18	G381-2	
22	22	BRN	19	G381-4	
18	18	GRN	P14	L1	SECTION BB
18	18	GRY/BLK	P14	L1	SECTION BB
18	18	BLK	P14	L1	SECTION BB
18	18	ORN	P14	L1	SECTION BB
18	18	WHT/BLK	P14	L1	SECTION BB
18	18	GRN	P5	J5	DETAIL A
18	18	BLU	P5	J5	DETAIL B
18	18	WHT	P5	J5	DETAIL B
18	18	RED	P5	J5	DETAIL B
18	18	GRN	40A	B1 (POS)	VIEW M-M
18	18	BLK	23A	S10-1	VIEW
44	22	WHT	28B	S10-3	N-N

REV.	DATE	DESCRIPTION	PART NO.	QTY.
1	10/1/67	BASE ASSY	AD2007267-0-0	1
2	10/1/67	BASE ASSY	AD2007267-0-0	1

AD2007267-0-0

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

QUANTITY VARIATION

MADE BY J. DEVIN	CHECKED <i>[Signature]</i>	SECTION 1
DATE 3-23-71	DATE 7-30-71	ISSUED SECT. 1
ENG W. Owen	PROD <i>[Signature]</i>	ISSUED SECT. 1
DATE 8-6-71	DATE 8/12/71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY VARIATION			
			7007267-1-0	7007267-2-0	7007267-3-0	7007267-4-0
1	E-MD-7408641-0-0	BASE (MACH)	1	1	1	1
2	B-DD-LK01-0	KEYBOARD (LA30)	1	1	-	-
3	D-IA-7409542-0-0	BEZEL KEYBOARD (PARALLEL)	1	0	-	-
4	D-AD-7007273-0-0	PRINT HEAD ASSY	1	1	1	1
5	D-AD-7007271-0-0	PRINTER MECHANISM ASSY	1	1	1	1
6	<del>7709350-04</del>	<del>BUSHING, SOCKET #1 400826-0 AMP</del>	<del>4</del>	<del>4</del>		
7	B-IA-7409003-1-0	PIVOT PLATE ASSY R.H.	1	1	1	1
8	B-IA-7409003-2-0	PIVOT PLATE ASSY L.H.	1	1	1	1
9	D-IA-7409216-1-0	CLUTCH COUPLING ASSY R.H.	1	1	1	1
10	D-IA-7409541-0-0	BEZEL KEYBOARD (SERIAL)	0	1	-	-
11	A-PS-3610558-1-0	RIBBON SPOOL (FULL)	1	1	1	1
12	D-PS-1210315-3-0	MOTOR, RIBBON DRIVE (CLOCKWISE)	1	1	1	1
13	D-PS-1210316-4-0	MOTOR, RIBBON DRIVE (COUNTER CLOCKWISE)	1	1	1	1
14	B-MD-7408675-0-0	BRKT, RIBBON SWITCH	2	2	2	2
15	A-PS-1210357-3	BUSHING, RUBBER MOUNT	6	6	6	6
16	A-PS-1210358-3	RING, RUBBER MOUNT	2	2	2	2
17	B-SC-7409213-0-0	IDLER PULLEY, RIBBON	2	2	2	2
18	D-IA-7409914-1-0	BOARD, CONTROL ASSY (PARALLEL)	1	0	1	-
19	D-IA-7409914-2-0	BOARD, CONTROL ASSY (SERIAL)	0	1	-	1
20	<del>9008487</del>	<del>SPACER, BALL STUD</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>
21	A-PS-1202704-0-0	CLAMP, CABLE	1	1	1	1
22	9007834	TAPE #4032 1/32 X 1/2 WIDE 3M CO	A/RA/R	RA/R	RA/R	RA/R

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
BASE ASSY	E-AD-7007267-0-0	A PL	7007267-0-0	N	LA30-00034
	SHEET 1 OF 4	DIST.			

DEC FORM DEC 16 (325) 1031 N870

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

QUANTITY / VARIATION

MADE BY J. DEVIN	CHECKED <i>[Signature]</i>	SECTION 1
DATE 3-23-71	DATE 7-30-71	ISSUED SECT. 1
ENG W. Owen	PROD <i>[Signature]</i>	ISSUED SECT. 1
DATE 8-6-71	DATE 8/12/71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION			
			7007267-1-0	7007267-2-0	7007267-3-0	7007267-4-0
23	A-PS-1210339-0-0	SWITCH, END OF RIBBON	2	2	2	2
24	<del>9107350-55</del>	<del>WIRE #22 AWG STRD TEF INS GRN</del>	<del>2</del>	<del>2</del>		
25	G381	BOARD, MODULE (G381)	1	1	1	1
26	9006013-1	SCR PHL HD PAN #4-40 X 1/2 SST	4	4	4	4
27	9006011-1	SCR PHL HD PAN #4-40 X 3/8 SST	4	4	4	4
28	9008308	SPACER, 1/2 AF X 11/64 LG	4	4	4	4
29	A-PS-1210360-3	SCREW, SHOULDER 1/4 X 1 1/4	2	2	2	2
30	9006557	NUT KEPS #4-40	4	4	4	4
31	9006015-1	SCR PHL HD PAN #4-40 X 3/4 SST	4	4	4	4
32	9006340-8	SCREW, SOC HD #8-32 X 3/4	4	4	4	4
33	9006022-2	SCR PHL HD FLAT #6-32 X 3/8 SST	4	4	4	4
34	9007794-1	SCR PHL HD PAN #6-32 X 11/16 SST	4	4	4	4
35	9006022-1	SCR PHL HD PAN #6-32 X 3/8 SST	16	16	12	12
36	9006633	WASHER, INT TOOTH #6	24	24	20	20
37	<del>9006632</del>	<del>WASHER INT TOOTH #4</del>	<del>12</del>	<del>12</del>	<del>12</del>	<del>12</del>
38	A-PS-1210360-2	SCREW, SHOULDER 1/4 X 5/8	2	2	2	2
39	<del>900830-1</del>	<del>SCR PHL HD PAN #4-40 X 1/2</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>
40	<del>9107350-55</del>	<del>WIRE #22 AWG STRD TEF INS BLK</del>	<del>2</del>	<del>2</del>		
41	9009079	WASHER, FLAT	2	2	4	4
42	D-IA-7007281-0-0	CABLE KEYBOARD	1	1	-	-
43	D-IA-7409052-0-0	SHIELD, MODULE BOARD	1	1	1	1
44	E-IA-7008342-0-0	UNIT HARNESS	1	1	1	1

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
BASE ASSY	E-AD-7007267-0-0	A PL	7007267-0-0	N	
	SHEET 2 OF 4	DIST.			

DEC FORM DEC 16 (325) 1031 N870

DRA 110



DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION															
PARTS LIST					7007267-1-0	7007267-2-0	7007267-3-0	7007267-4-0												
MADE BY	J. DEVIN	CHECKED	J. FLEMING	SECTION																
DATE	3-23-71	DATE	7-30-71																	
ENG	W. OWENS	PROD	C. R. TOMPKINS	ISSUED SECT.																
DATE	8-6-71	DATE	8-18-71																	
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
45	1202116-1	INDICATOR, LAMP			1	1	1	1												
46	9007129	SPEED CLIP			1	1	1	1												
47	9107255	TUBING, HEAT SHRINK 1/8 WHT			A/R	A/R	A/R	A/R												
48	9008899	RING, RETAINING			2	2	2	2												
49	D-1A-7409216-2-0	CLUTCH COUPLING ASSY L.H.			1	1	1	1												
50	9006035-1	SCR PHL HD PAN #8-32 X 1/4			6	6	6	6												
51	A-PS-3610986-0-0	RIBBON SPOOL (EMPTY)			1	1	1	1												
52	9006660	WASHER .187 I.D. X 375 O.D.			2	2	2	2												
53	1209351-3	HOUSING PIN (M) MATE-N-LOCK			2	2	2	2												
54	<del>1209351-3</del>	<del>PIN (M) MATE-N-LOCK</del>			<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>												
55	1209350-3	HOUSING SOCKET (F) MATE-N-LOCK			2	2	2	2												
56	1209379-01	PIN (FEMALE) 60619-4 AMP			4	4	4	4												
57	1107430-29	WIRE #18 AWG TRF (RED / WHT)			A/R	A/R	A/R	A/R												
58	<del>9008899</del>	<del>RING, RETAINING</del>			<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>												
59	<del>9006660</del>	<del>WASHER .187 I.D. X 375 O.D.</del>			<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>												
60	<del>9006035-1</del>	<del>SCR PHL HD PAN #8-32 X 1/4</del>			<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>												
59	<del>9008899</del>	<del>RING, RETAINING</del>			<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>												
60	9009227	SPACER ALUMINUM			2	2	2	2												
61	7409849	BEZEL PARALLEL NO KEYBOARD			-	-	1	-												
62	7409848	BEZEL SERIAL NO KEYBOARD			-	-	-	1												
63	B-ND-7409577-0-0	BRACKET, SIGNAL			1	1	1	1												
TITLE					ASSY NO.		SIZE CODE		NUMBER				REV. ECO NO							
BASE ASSY					E-AD-7007267-0-0		A PL		7007267-0-0				N							
					SHEET 3 OF 4		DIST. G													

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION																
PARTS LIST					7007267-1-0	7007267-2-0	7007267-3-0	7007267-4-0													
MADE BY	J. DEVIN	CHECKED	J. F. FLEMING	SECTION																	
DATE	3-23-71	DATE	7-30-71																		
ENG	W. OWENS	PROD	C. R. TOMPKINS	ISSUED SECT.																	
DATE	8-6-71	DATE	8-18-71																		
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																			
64	1210981	SIGNAL, ELECTRONIC AUDIBLE			1	1	1	1													
65	1211229	FUSE HOLDER, IN LINE			1	1	1	1													
66	9007213	FUSE, 1/2 AMP AGC SLOW BLOW			1	1	1	1													
67	9007919	CONN, ARKLES #50906-1			2	2	2	2													
68	1209378-01	PIN, MALE #60620-4 AMP			4	4	4	4													
69	9008367	CONN, INLINE W/SHIELD			1	1	1	1													
TITLE					ASSY NO.		SIZE CODE		NUMBER				REV. ECO NO								
BASE ASSY					E-AD-7007267-0-0		A PL		7007267-0-0				N								
					SHEET 4 OF 4		DIST.														

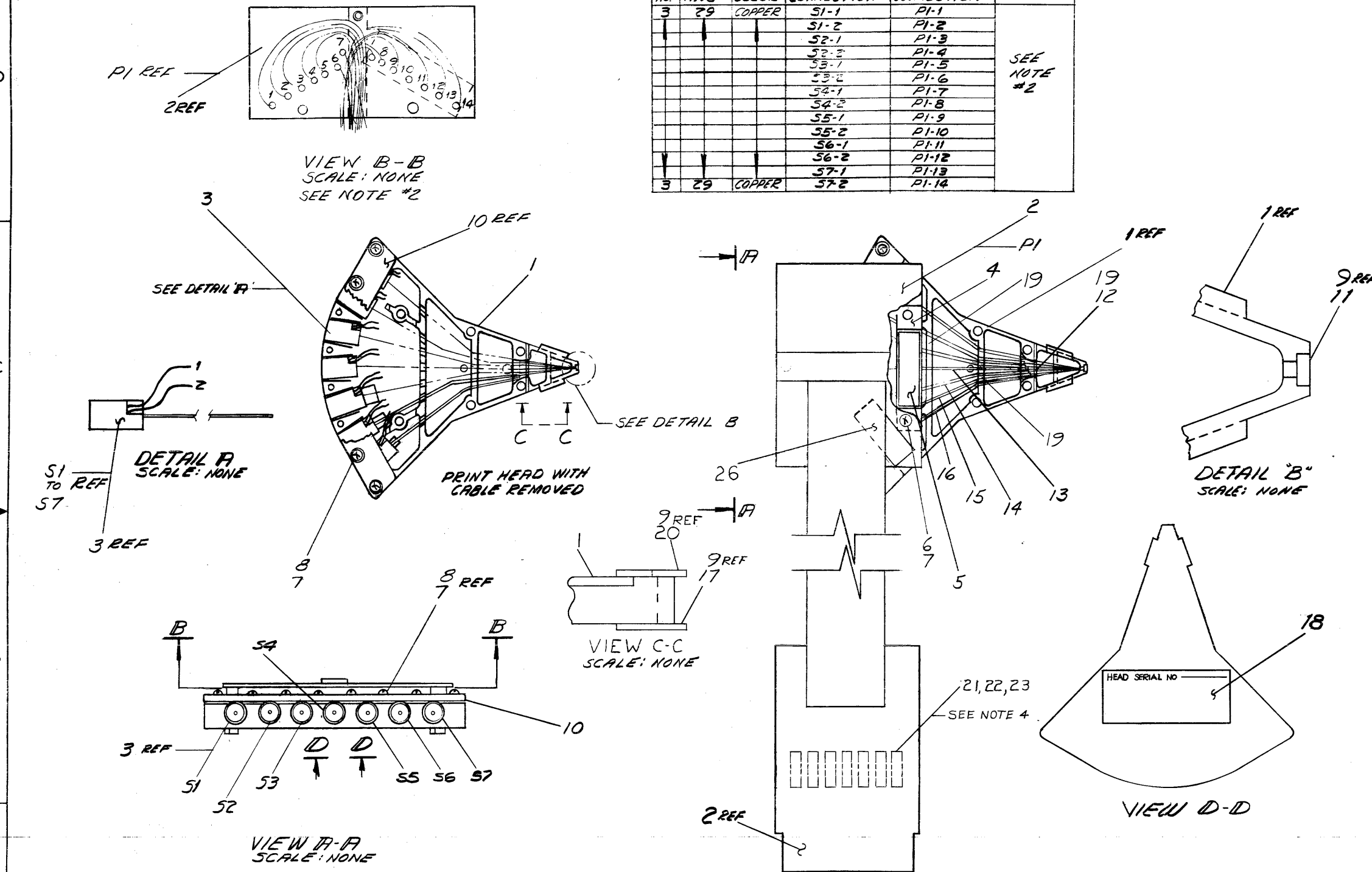
DEC FORM DEC 16 (325) 1031-N870  
DRA 110

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WIRE TABLE

ITEM NO.	DESCRIPTION	FROM CONNECTION	TO CONNECTION	REMARKS
3	29 COPPER	51-1	PI-1	SEE NOTE #2
		51-2	PI-2	
		52-1	PI-3	
		52-2	PI-4	
		53-1	PI-5	
		53-2	PI-6	
		54-1	PI-7	
		54-2	PI-8	
		55-1	PI-9	
		55-2	PI-10	
		56-1	PI-11	
		56-2	PI-12	
		57-1	PI-13	
		57-2	PI-14	

- NOTES:
- FOR ASSY PROCEDURES REFER TO ENG SPEC #A-SP-LA30-D-3.
  - ALL SOLENOID WIRES ARE TO BE SOLDERED AND ROUTED AS SHOWN IN VIEW B-B.
  - FOR PACKAGING INSTRUCTIONS SEE DWG. #A-PI-700047-0-0.
  - RESISTORS ARE SELECTED IN TEST FROM THREE STOCK VALUES, ITEMS 21,22,23. REFER TO TEST PROCEDURE A-SP-766-5156-0-0. ON THE AVERAGE, THE QUANTITY OF EACH RESISTOR USED PER HEAD IS AS LISTED IN A-PL-700723-0-0.
  - ITEMS 24 & 25 TO BE INCLUDED IN SHIPPING CONTAINER WITH EACH ASSEMBLY.



REV	CHG NO	DATE	BY	APP
A	00049	2-1-72	W. Owens	
B	00078	11-15-72	W. Owens	
C	00078	11-15-72	W. Owens	

FIRST USED ON OPTION MOD		QTY.	DESCRIPTION	PART NO.	ITEM NO.
LA30					
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		CHKD	DATE	digital CORPORATION	
DIMENSION IN INCHES		ENG	DATE	WATYARD, MASSACHUSETTS	
TOLERANCES		PROJ. ENG	DATE	TITLE	
DECIMALS FRACTIONS ANGLES		PROD.	DATE	PRINT HEAD ASSY	
± .010 ± .005 ± 0°30'		NEXT HIGHER ASSY		SIZE CODE NUMBER	
FINAL SURFACE QUALITY				DAD 700723-0-0	
REMOVE BURRS AND BREAK SHARP CORNERS				SCALE 1-1	
MATERIAL				SHEET 1 OF 1	
FINISH				DIST. G	

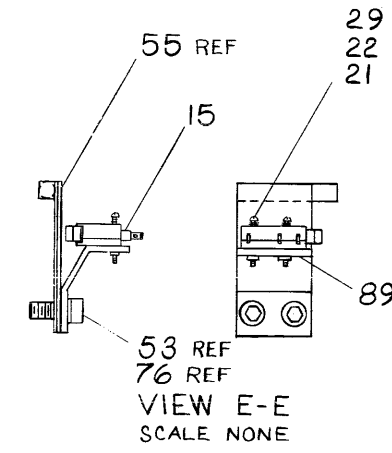
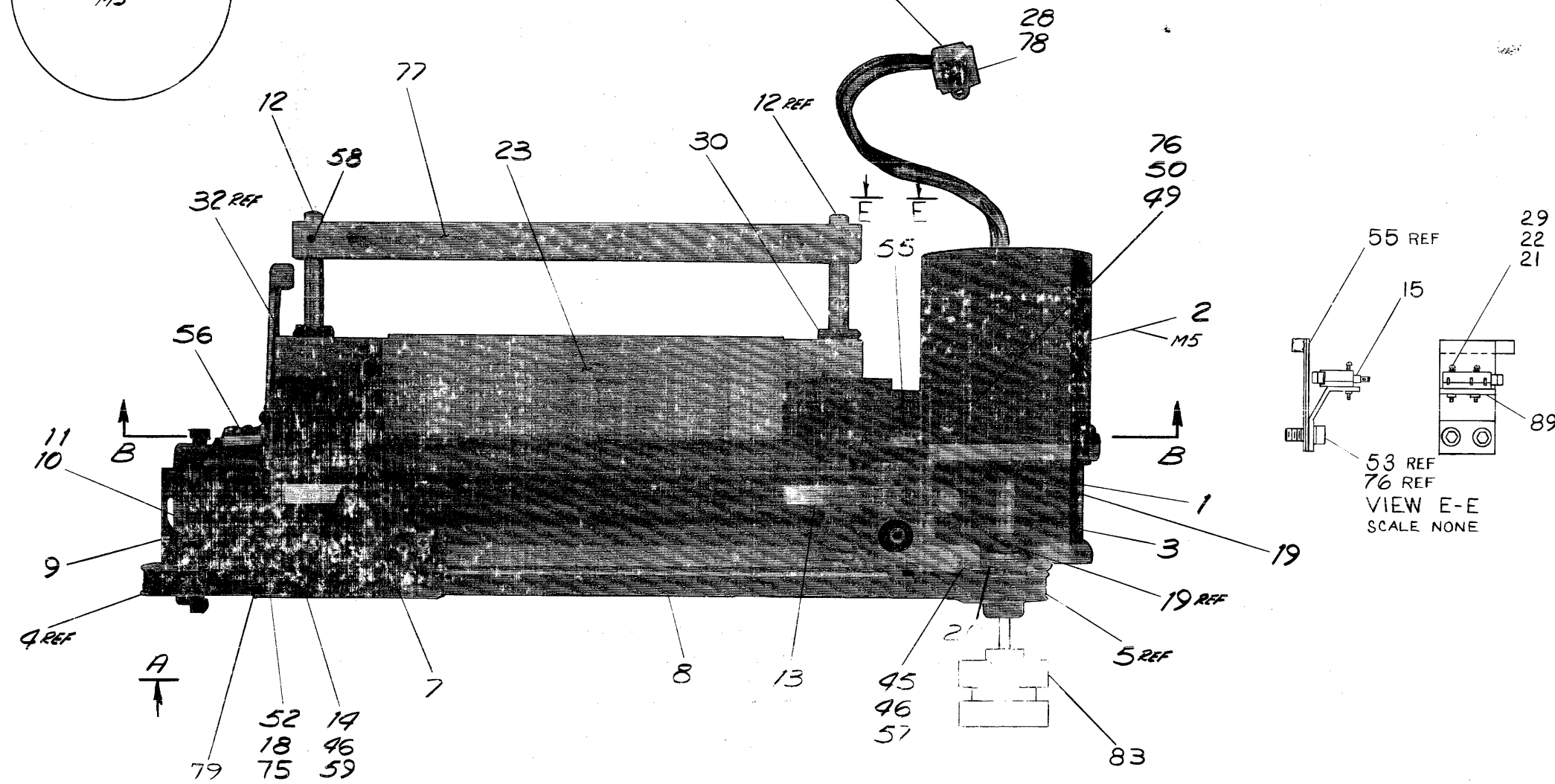
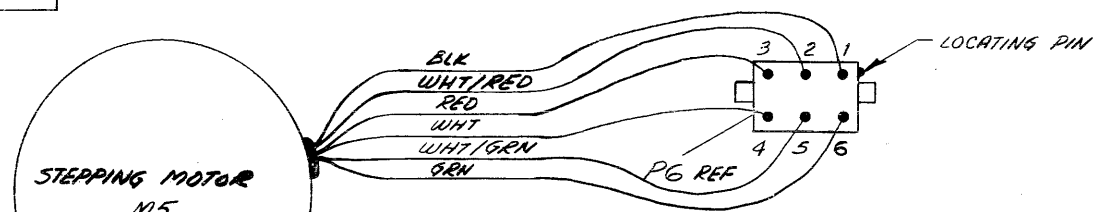
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY/VARIATION																				
MADE BY J. DEVIN		CHECKED <i>J. Fleming</i>		SECTION																				
DATE 3/16/71		DATE 6-19-71		1																				
ENG W. Owens		PROD <i>E. Tompkins</i>		ISSUED SECT.																				
DATE 8-4-71		DATE 8-11-71		1																				
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																						
1	D-MD-7408682-0-0	FRAME, PRINT HEAD				1																		
2	D-IA-7007276-0-0	CABLE ASSY, PRINT HEAD				1																		
3	D-IA-7408935-0-0	SOLENOID ASSY				7																		
4	1202704	CLAMP, CABLE				1																		
5	9007834	TAPE #4032 1/2 W X 1/32THK 3M CO				A/R																		
6	9006011-1	SCR PHL HD PAN #4-40 X 3/8 SST				2																		
7	9006632	WASHER INT TOOTH #4				10																		
8	9006014-1	SCR PHL HD PAN #4-40 X 5/8 SST				8																		
9	9008530-01	EPOXY				A/R																		
10	D-PS-1210404-0-0	CLAMP, PRINT HEAD				1																		
11	D-PS-1210259-0-0	MAIN BUSHING (RUBY)				2																		
12	C-SC-7408893-0-0	GUIDE, TUBE				1																		
13	C-SC-7408904-1-0	TUBE				1																		
14	C-SC-7408904-2-0	TUBE				2																		
15	C-SC-7408904-3-0	TUBE				2																		
16	C-SC-7408904-4-0	TUBE				2																		
17	B-MD-7408909-0-0	GUIDE, RIBBON				1																		
18	A-DC-7409085-0-0	DECAL, PRINT HEAD				1																		
19	9008531-02	EPOXY				A/R																		
20	B-MD-7409219-0-0	STANDOFF, PAPER				1																		
TITLE PRINT HEAD ASSY				ASSY NO. D-AD-7007273-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007273-0-0				REV. <b>B</b>		ECO NO. LA30-00078										
				SHEET 1 OF 2		DIST.																		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY/VARIATION																				
MADE BY J. DEVIN		CHECKED J. FLEMING		SECTION																				
DATE 3/16/71		DATE 6/19/71		1																				
ENG W. OWENS		PROD E. TOMPKINS		ISSUED SECT.																				
DATE 8/4/71		DATE 8/11/71		1																				
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																						
21	1305258	.47 OHM, 2 WATT, 5% WW RESISTOR				2																		
22	1305428	1.0 OHM, 2 WATT, 5% WW RESISTOR				2																		
23	1310895	1.5 OHM, 2 WATT, 5% WW RESISTOR				3																		
24	A-MD-7409560-0-0	HEAD GAUGE				1																		
25	A-SP-LA30-0-10	INSTALLATION INSTRUCTIONS				1																		
26	9008845	TAPE GLASS FIL #898SCOTCH				A/R																		
TITLE PRINT HEAD ASSY				ASSY NO. D-AD-7007273-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007273-0-0				REV. <b>B</b>		ECO NO.										
				SHEET 2 OF 2		DIST.																		

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WIRE TABLE						
ITEM NO	DESCRIPTION	FROM		TO		REMARKS
		AWG	COLOR	CONNECTION TERM	CONNECTION TERM	
22	BLK	M5-1	-	P6-1	28	FROM STEPPING MOTOR TO CONN P6
	RED/WHT	M5-2	-	P6-2	28	
	RED	M5-3	-	P6-3	28	
	WHT	M5-4	-	P6-4	28	
	GRN/WHT	M5-5	-	P6-5	28	
	GRN	M5-6	-	P6-6	28	

- NOTES:**
- ITEM #26 (PIVOT PIN) TO BE PRESS FIT INTO CASTING (ITEM #1)
  - FOR ASSY PROCEDURES REFER TO ENG SPEC #A-5P-LA30-0-3



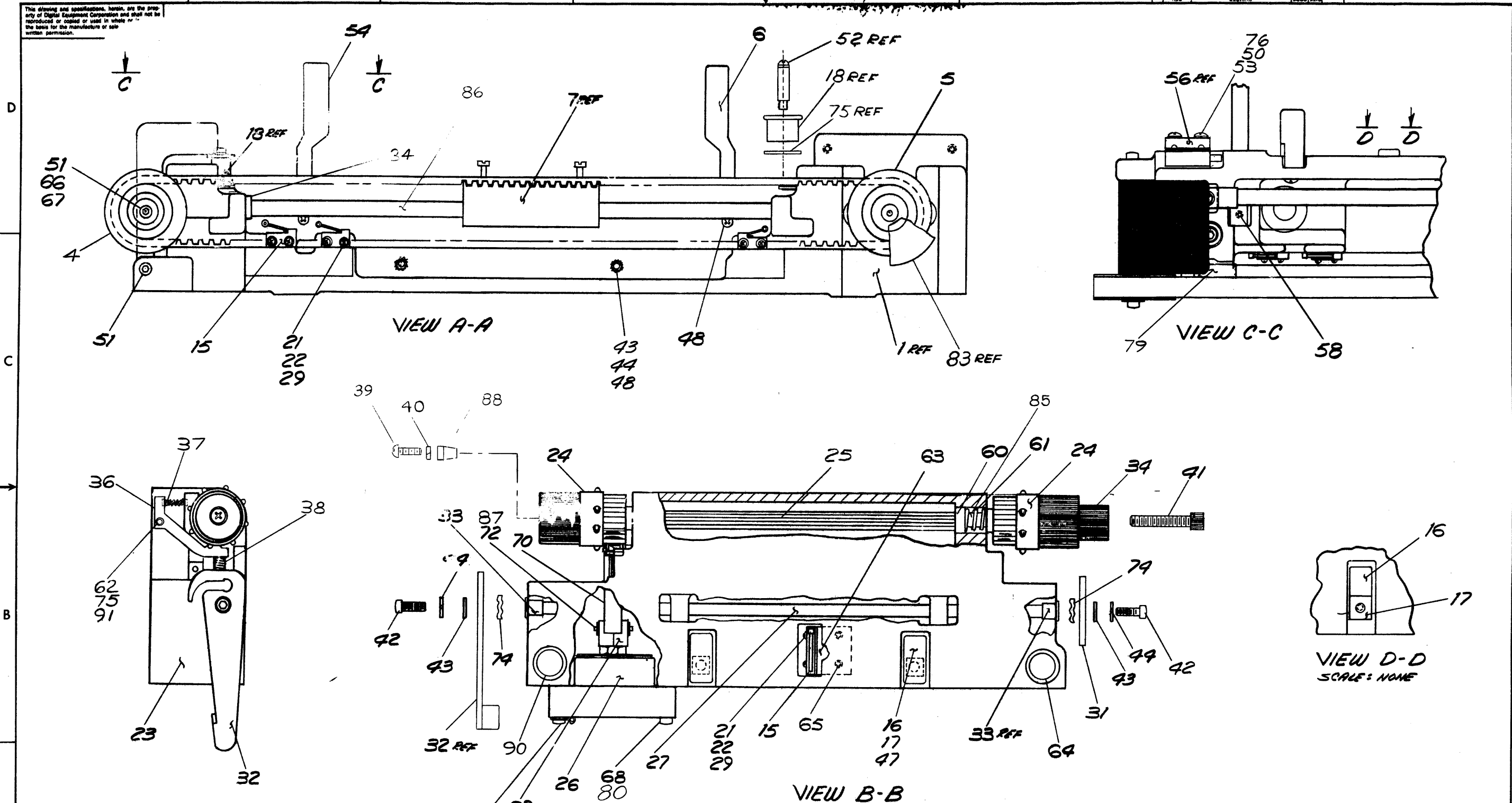
REV	CHANGE NO	DATE	BY	CHKD
A	00041	5-19-71	[Signature]	[Signature]
B	00046	5-21-71	[Signature]	[Signature]
C	00052	2-30-71	[Signature]	[Signature]
F	00071	2-30-71	[Signature]	[Signature]
G	00072	2-30-71	[Signature]	[Signature]
H	00077	2-30-71	[Signature]	[Signature]
I	00078	2-30-71	[Signature]	[Signature]

FIRST USED ON OPTION/MODEL  
LA30

DO NOT SCALE DRAWING  
UNLESS OTHERWISE SPECIFIED  
DIMENSION IN INCHES  
TOLERANCES  
FRACTIONS ANGLES  
± 0.005 ± 0.007  
FINAL SURFACE QUALITY  
REMOVE BURNS AND BREAK SHARP CORNERS  
MATERIAL  
NEXT HIGHER ASSY  
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE PRINTER MECHANISM ASSY		
	SCALE NONE	SIZE/CODE A-D-700727-0-0	DATE 5-19-71
	SHEET 1 OF 2	DIST.	

AD 700727-0-0 H



REV.	CHANGE NO.

FIRST USED ON OPTION / MODEL  
**LASO**

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES
DECIMALS ANGLES
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN: <i>[Signature]</i>		DATE: 8-27-71	EQUIPMENT CORPORATION MAYFELD, MASSACHUSETTS
CHK: <i>[Signature]</i>		DATE: 5-26-71	
ENR: <i>[Signature]</i>		DATE: 7-30-71	TITLE <b>PRINTER MECHANISM ASSY</b>
PROJ. ENG: <i>[Signature]</i>		DATE: 7-30-71	
PROD. <i>[Signature]</i>		DATE: 7-30-71	NEXT HIGHER ASSY <b>E-AD-7007267-0-0</b>
MATERIAL		DATE: 7-30-71	
FINISH		DATE: 7-30-71	SCALE SHEET 2 OF 2
SCALE		DATE: 7-30-71	
SHEET 2 OF 2		DATE: 7-30-71	SIZE CODE <b>D AD 7007271-0-0</b>
DIST. <b>C</b>		DATE: 7-30-71	NUMBER <b>7007271-0-0</b>
		DATE: 7-30-71	REV <b>H</b>

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. Flannery</i>		SECTION													
DATE 5-24-71		DATE 7-30-71		1													
ENG <i>W. Owens</i>		PROD <i>OK To [unclear]</i>		ISSUED SECT.													
DATE 8-4-71		DATE 8-11-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
1	E-MD-7408657-0-0	SUPPORT, CARRIAGE															
2	A-PS-1209369-0-0	MOTOR, STEPPING SUPERIOR															
3	B-SC-7408644-0-0	SHAFT, EXTENSION															
4	C-IA-7408884-0-0	PULLEY, IDLER															
5	B-SC-7408645-0-0	PULLEY, DRIVER															
6	C-SC-1210432-1-0	HOLD-DOWN, PAPER R.H.															
7	C-IA-7408933-0-0	CARRIAGE ASSY															
8	A-PS-1210341-0-0	BELT, DRIVE															
9	C-MD-7408647-0-0	BELT, TENSION ARM															
10	A-PS-1210352-0-0	SPRING, BELT TENSION															
11	A-PS-1210353-0-0	SPRING, BELT TENSION															
12	B-MD-7408652-0-0	WAYS, BACKSTOP															
13	B-MD-7408653-0-0	SHAFT, SQUARE															
14	B-MD-7408654-0-0	CLAMP, SHAFT															
15	A-PS-1210340-0-0	SWITCH, CHERRY															
16	B-SC-7408648-0-0	SPRING, PAPER DRAG															
17	B-SC-7408666-0-0	BOLT, SPRING															
18	B-IA-7408655-0-0	IDLER, PULLEY RIBBON															
19	B-SC-7408903-0-0	COLLAR															
20	A-PS-1210355-0-0	BUSHING, FLANGE															
21	9006005-1	SCR PHL HD PAN #2-56 X 1/2 SST															
22	9006686	WASHER, SPLIT LOCK #2															
TITLE PRINTER MECHANISM ASSY				ASSY NO. D-AD-7007271-0-0				SIZE CODE <b>A PL</b>		NUMBER 7007271-0-0				REV. <b>H</b>		ECO NO. LA30-00077	
				SHEET 1 OF 5				DIST. <b>C</b>									

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. Flannery</i>		SECTION													
DATE 5-24-71		DATE 7-30-71		1													
ENG <i>W. Owens</i>		PROD <i>OK To [unclear]</i>		ISSUED SECT.													
DATE 8-6-71		DATE 8-11-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
23	E-MD-7408680-0-0	PRINT BAR (MACH)															
24	D-PS-1210435-0-0	SPROCKET, PAPER DRIVE															
25	C-SC-7408672-0-0	SHAFT SPLINE															
26	D-AD-7008355-0-0	LINE FEED SOLENOID ASSY															
27	B-MD-7408664-0-0	SHAFT, CAM															
28	1209378-01	PIN (MALE) #60620-4 AMP															
29	9008877	WASHER FLAT #2															
30	A-PS-1210358-0-0	RING, RUBBER MOUNT															
31	B-MD-7408663-0-0	CAM															
32	B-MD-7408662-0-0	CAM, LEVER															
33	A-PS-1210359-0-0	BUSHING, FLANGED															
34	C-MD-7408671-0-0	KNOB, PAPER TENSION															
35	<del>B-AD-7008356-0-0</del>	<del>ROLLER ARM ASSY</del>															
36	C-PS-1211145-0-0	DETENT ARM															
37	A-PS-1211061-0-0	SPRING, PAWL ENGAGEMENT															
38	9009231	SPRING DETENT LC-029C-2 M/W															
39	9006076-1	SCR PHL PAN HD #10-32 X 7/8 SST															
40	9007906	WASHER INT TOOTH #10															
41	9006353-8	SCR SOC HD CAP #10-32 X 1 3/4 LG															
42	9008045-8	SCR, SOC HD CAP #6-32 X 3/8 LG															
43	9006653	WASHER, FLAT #6															
44	9007801	WASHER SPLIT LOCK #6															
TITLE PRINTER MECHANISM ASSY				ASSY NO. D-AD-7007271-0-0				SIZE CODE <b>A PL</b>		NUMBER 7007271-0-0				REV. <b>H</b>		ECO NO.	
				SHEET 2 OF 5				DIST. <b>G</b>									

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. J. Capron</i>		SECTION 1													
DATE 5-24-71		DATE 7-30-71															
ENG <i>W. Owens</i>		PROD <i>CR. Thompson</i>		ISSUED SECT. 1													
DATE 8-6-71		DATE 8-11-71															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
45	9006338-3	SCR PHL HD TRUSS #8-32 X 1/2 SST				2											
46	9006690	WASHER SPLIT LOCK #8				4											
47	9006563	NUT, KEPS #8-32 SST				4											
48	9006025-1	SCR, PHL HD PAN #6-32 X 5/8 SST				4											
49	9006347-8	SCR SOC HD CAP #10-32 X 5/8 SST				4											
50	9006664	WASHER, FLAT #10				7											
51	A-PS-1210360-2	SCREW, SHOULDER 1/4 X 5/8				3											
52	A-PS-1210360-1	SCREW, SHOULDER 3/16 X 3/4				2											
53	9006346-8	SCR, SOC HD CAP #10-32 X 1/2 SST				4											
54	C-SC-1210432-2-0	HOLD-DOWN PAPER L.H.				1											
55	C-IA-7408928-1-0	SPRING, ASSY R.H.				1											
56	C-IA-7408928-2-0	SPRING ASSY L.H.				1											
57	9006660	WASHER FLAT #8				2											
58	9006300-10	SCR, SOC SET #8-32 X 3/16				2											
59	9006036-1	SCR PHL HD PAN #8-32 X 5/16 SST				2											
60	A-PS-1210356-0-0	BEARING, BALL				2											
61	A-PS-1210474-0-0	SPRING, PAPER TENSION				1											
62	1211152	PIN, PIVOT				1											
63	C-MD-7408660-0-0	BLOCK, SWITCH				1											
64	A-PS-1210344-0-0	BUSHING, BALL				2											
65	9006011-2	SCR, FLAT HD MACH #4-40 X 3/8 SST				2											
66	9006646	WASHER FLAT 1/4				1											
TITLE PRINTER MECHANISM ASSY				ASSY NO. D-AD-7007271-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007271-0-0				REV. <b>H</b>		ECO NO.			
				SHEET 3 OF 5		DIST. <b>G</b>											

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. J. Capron</i>		SECTION 1													
DATE 5-24-71		DATE 7-30-71															
ENG <i>W. Owens</i>		PROD <i>CR. Thompson</i>		ISSUED SECT. 1													
DATE 8-6-71		DATE 8-11-71															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
67	9007797	WASHER, SPLIT LOCK 1/4				1											
68	9006633	WASHER INT TOOTH #6				4											
69	B-MD-7408678-0-0	ADAPTER, PAWL				1											
70	C-PS-1211146-0-0	PAWL				1											
<del>71</del>	<del>9006027</del>	<del>SCR PHL HD PAN #6-32 X 7/8 SST</del>				<del>1</del>											
72	9009258	PIN, GROOVE				1											
73	9009257	RING, RETAINING #5115-15 TRUARC				1											
74	9008502	WASHER, SPRING				2											
75	9009226	WASHER, STEEL				2											
76	9007906	WASHER SPLIT LOCK #10				8											
77	C-MD-7408677-0-0	SUPPORT BAR				1											
78	1209351-06	HOUSING, PIN MATE-N-LOCK				1											
79	C-MD-7409222-0-0	CLAMP SHAFT				2											
80	9006024-1	SCR PHL HD PAN #6-32 X 1/2 SST				4											
<del>81</del>	<del>9008528-01</del>	<del>RING, RETAINING #5100-12-C</del>				<del>2</del>											
<del>82</del>	<del>9007079</del>	<del>CLAMP, CABLE 1/8</del>				<del>1</del>											
83	D-AD-7008963-0-0	SPRING DAMPER ASSY				1											
84	A-MD-7409562-0-0	BUMPER, CARRIAGE				1											
85	9009076	SPRAY KOTE (DOW CORNING)				A/R											
86	9009077	MOLYKOTE #557 (LUBRICANT)				A/R											
87	9009075	BR2-S MOLYKOTE (GREASE)				A/R											
88	B-MD-7409666	WEDGE				1											
TITLE PRINTER MECHANISM ASSY				ASSY NO. D-AD-7007271-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007271-0-0				REV. <b>H</b>		ECO NO.			
				SHEET 4 OF 5		DIST. <b>G</b>											

**DIGITAL EQUIPMENT CORPORATION**  
 MAYNARD, MASSACHUSETTS  
**PARTS LIST**

QUANTITY / VARIATION											

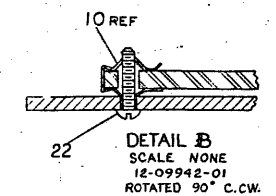
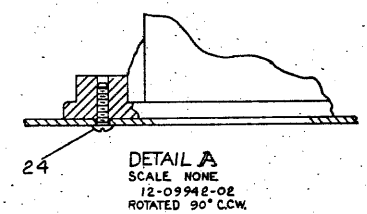
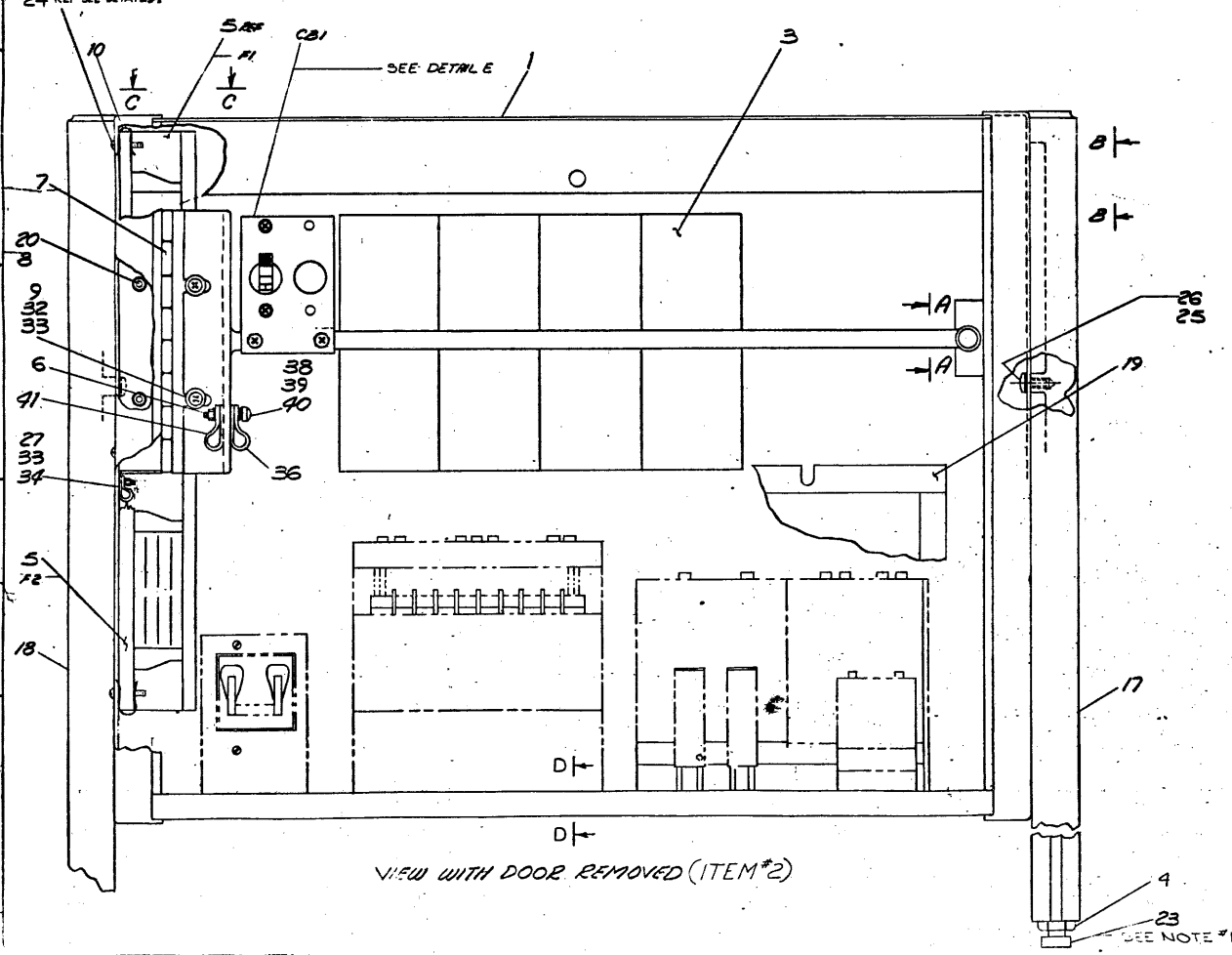
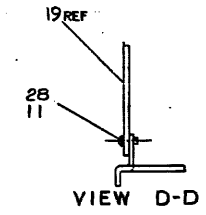
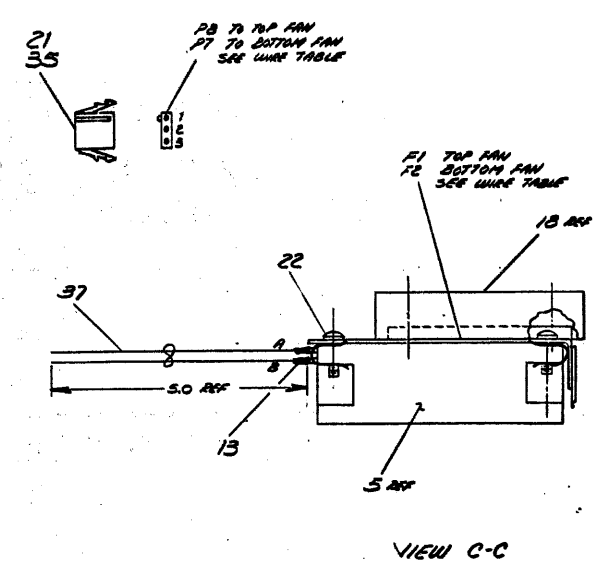
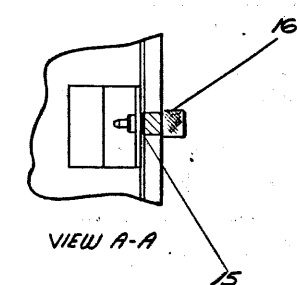
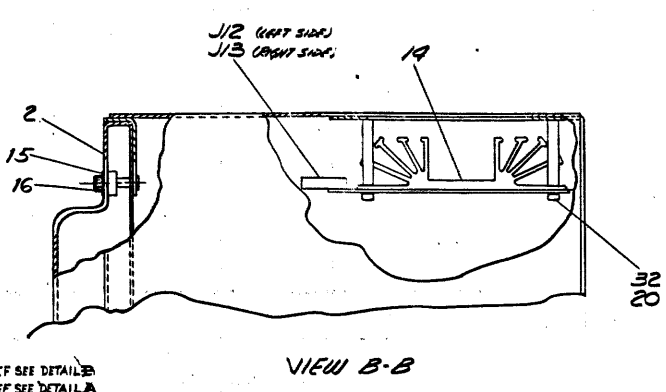
MADE BY R. ROBICHAUD	CHECKED J. FLEMING	SECTION
DATE 5-24-71	DATE 7-30-71	1
ENG W. OWENS	PROD E. TOMPKINS	ISSUED SECT.
DATE 8-6-71	DATE 8-11-71	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
89	B-IA-7409665-0-0	BRACKET, SWITCH INTERLOCKING
90	9009259	SLIDE BUSHING
91	B-MD-7410562-0-0	SPACER, NYLON DETENT ARM

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
PRINTER MECHANISM ASSY	D-AD-7007271-0-0	A	PL	7007271-0-0	H	
	SHEET 5 OF 5	DIST.				



NOTES:  
 DECK PLATE (ITEM #2) IS TO BE ATTACHED TO LEGS (ITEMS #17 & 18) BY USING 4 CAP SCREWS (ITEM #31) AND FEET (ITEM #23) TO BE SHIPPED WITH UNIT.  
 2. IF FAN SUPPLIED IS DEC #12-09942-01 ROTRON, MOUNTING HARDWARE REQ. ARE ITEMS #22 & #10. IF FAN SUPPLIED IS DEC #12-09942-02 IMC MAGNETICS, MOUNTING HARDWARE REQ. IS ITEM #24 ONLY.



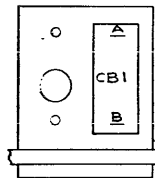
QTY	DESCRIPTION	PART NO.	ITEM
1	CONTROL BOX ASSY		

CONTROL BOX ASSY

8 A0 7007268-0-0 E

FROM	COLOR	CONNECTION	TERM	CONNECTION	TERM	REMARKS
18	RED	F1-A	38	P8-3	21	VIEW C-C
18	TWP	WHT	F1-B	38	P8-2	
18	RED	F1-A	38	P7-3	21	
18	TWP	WHT	F1-B	38	P7-2	

WIRE HARNESS TO CONTROL BOX					
ITEM NO	DESCRIPTION	FROM HARNESS TO CONTROL BOX	TO HARNESS TO CONTROL BOX	REMARKS	
NO	AWG	COLOR	NUMBER	LESS LOCATION	
18	TWP	RED	J7	P7	SEE WIRE TABLE
18	TWP	WHT	J7	P7	SEE WIRE TABLE
18	TWP	RED	J8	P8	SEE WIRE TABLE
18	TWP	WHT	J8	P8	SEE WIRE TABLE
14	GEN	19	CBI-B		
18	BLK	20	F25-R		
18	GEN	21	CBI-R		
18	BLK	22	F25-L1		
18	BLK	23	GND LUG		
18	BLK	24	F25-L1		
18	ORN	25	F13-V2		
18	BLU	26	E01-B2		
18	RED	27	E06-R2		
18	GEN	28	E03-T2		
18	RED	31			NO CONN. AT THIS ASSY
18	TWP	WHT			
18	GEN	F2			
18	BLU				
18	BLU	29	E03-U2		
18	BLU	30	E25-V2		
18	BLK	31	A05-F1		
29	18	BLK	32	A22-V1	



DETAIL E  
LOOKING AT REAR  
OF CIRCUIT BREAKER  
SCALE: NONE

QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED			
DATE	DATE	DATE	DATE
CHK'D	DATE	DATE	DATE
DESIGNED	DATE	DATE	DATE
ENGR.	DATE	DATE	DATE
TESTED	DATE	DATE	DATE
APPROVED	DATE	DATE	DATE
MATERIAL			
FIRST USED ON			
SUBJECT			
EAD7007268-0-0			
E			

EAD7007268-0-0-E

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. Flinn</i>		SECTION													
DATE 3-26-71		DATE 4-15-71		1													
ENG <i>W. Owens</i>		PROD <i>CK To</i>		ISSUED SECT.													
DATE 8-6-71		DATE 8-11-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
1	E-IA-7408694-0-0	CHASSIS, CONTROL BOX				1											
2	C-IA-7409491-0-0	DOOR, CONTROL BOX				1											
3	D-AD-7007279-0-0	LOGIC ASSY				1											
4	9006568	NUT, KEPS 5/16 - 18				4											
5	A-PS-1209942-0-0	FAN, WHISPER				2											
6	9006560	NUT, KEPS #6-32				1											
7	C-PS-1210908-0-0	HINGE, CONTROL BOX				1											
8	9006337-8	SCR, SOC HD #8-32 X 3/8 SST				2											
9	9006666	WASHER FLAT .500 OD X .187 ID X 032 THK				2											
10	9008202	MTG. CLIP (FAN)				8											
11	9006022-1	SCR PHL HD PAN #6-32 X 3/8 SST				2											
12	9107430-29	WIRE #18 AWG TWP RED/WHT				A/R											
13	9107305	TUBING HY-SHRINK RED				A/R											
14	E-UA-H605-0-0	MOTOR DRIVE MODULE ASSY				2											
15	9007835	WASHER RETAINING				2											
16	9008961	SCR CAPTIVE BLK PASSIVATED SOUTHCO				2											
17	E-MD-7408658-1-0	LEG L.H. (MACH)				1											
18	E-MD-7408658-2-0	LEG R.H. (MACH)				1											
19	C-MD-7409011-0-0	SHIELD, POWER SUPPLY				1											
20	9006634	WASHER INT TOOTH #8				10											
21	1209378-01	PIN (MALE) #60620-4 AMP				4											
22	9008504	SCR PHL HD PAN (BLK PASS) #6-32 X 1/2				8											
TITLE CONTROL BOX ASSY				ASSY NO. E-AD-7007268-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007268-0-0				REV. E		ECO NO. LA30-00C69			
				SHEET 1 OF 2		DIST. <i>G</i>											

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>				QUANTITY / VARIATION													
MADE BY R. ROBICHAUD		CHECKED <i>J. Flinn</i>		SECTION													
DATE 3-26-71		DATE 7-15-71		1													
ENG <i>W. Owens</i>		PROD <i>CK To</i>		ISSUED SECT.													
DATE 8-6-71		DATE 8-11-71		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
23	9007601	FOOT, LEVELER #FB2724 OHIO CO.				4											
24	9006121-1	SCR, SELF TAPPING (BLK PASS)#8 x 3/8LG				8											
25	9006074-1	SCR PHL HD PAN #10-32 X 3/8 SST				8											
26	9007651	WASHER, EXT TOOTH #10				8											
27	9006660	WASHER FLAT #8				1											
28	9007649	WASHER, EXT TOOTH #6				2											
29	E-IA-7007274-0-0	POWER, HARNESS LA30				1											
30	9006669	WASHER, FLAT #10				5											
31	9006258	SCR HEX HD CAP 5/16-18 X 1"				4											
32	9006039-1	SCR PHL HD PAN #8-32 X 1/2 SST				10											
33	9006563	NUT, KEPS #8-32				5											
34	9007083	CLAMP, CABLE 5/16				1											
35	1209351-3	CONN MATE-N-LOCK				2											
36	9007081	CABLE CLAMP 1/2				1											
37	9107430-29	WIRE #18 AWG TWP RED/WHT				A/R											
38	9006024-1	SCR PHL HD PAN #6-32 X 1/2 SST				1											
39	9006656	WASHER FLAT #6				1											
40	9006633	WASHER INT TOOTH #6				1											
41	9007085	CLAMP, CABLE 1/2				1											
42	9007031	TIE WRAP #SSTI-M PANDUIT				A/R											
43	<del>C-MD-7606045-0-0</del>	<del>DECK PLATE</del>				<del>1</del>											
TITLE CONTROL BOX ASSY				ASSY NO. E-AD-7007268-0-0		SIZE CODE <b>A PL</b>		NUMBER 7007268-0-0				REV. E		ECO NO.			
				SHEET 2 OF 2		DIST. <i>G</i>											