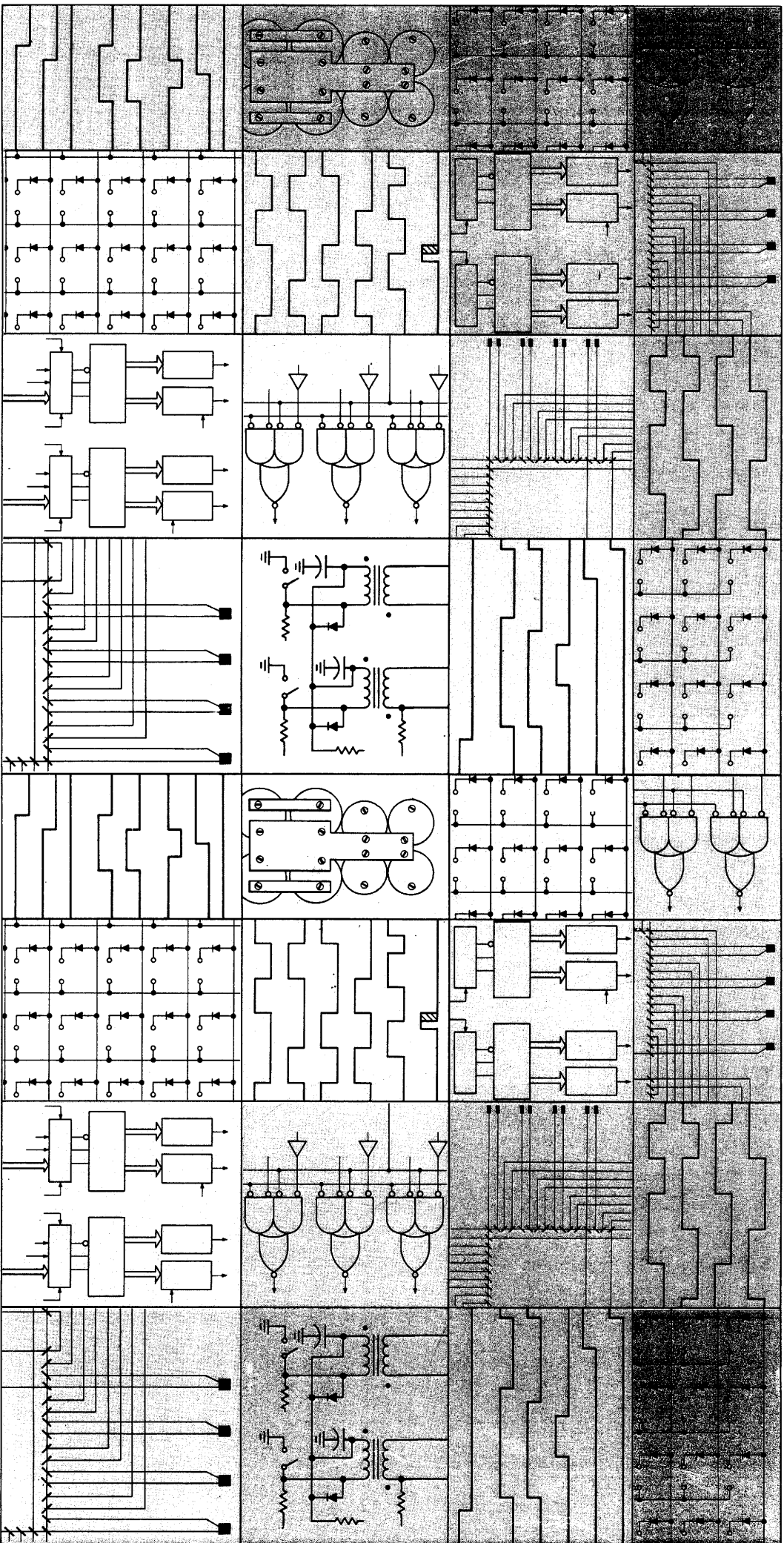


pdp8/e
pdp8/f & pdp8/m



digital

**TD8-E
DECtape control
engineering drawings**

digital equipment corporation · maynard, massachusetts

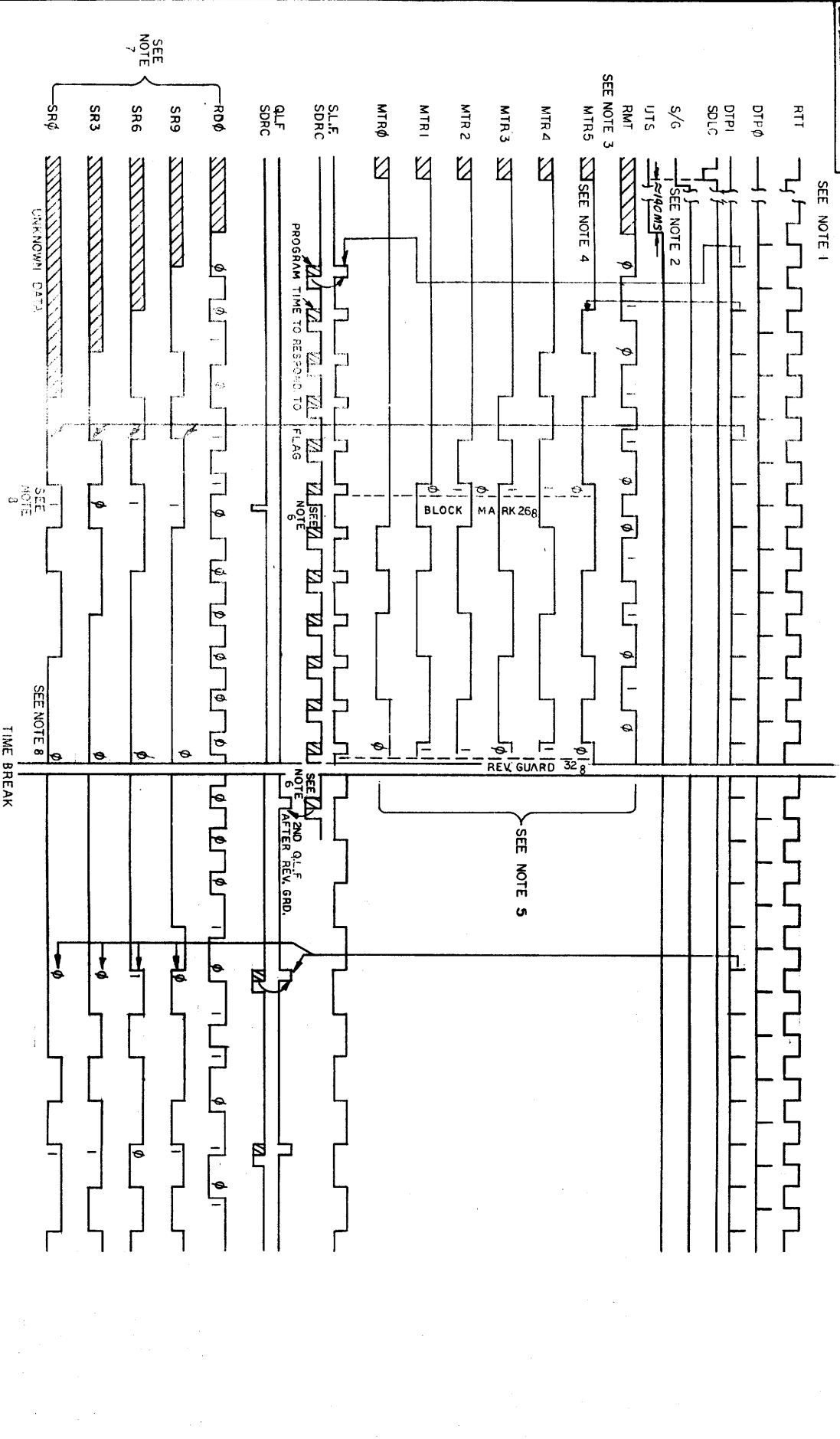
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DEC	PDP
FLIP CHIP	FOCAL
DIGITAL	COMPUTER LAB

Do not change this drawing without the approval of the design engineer. All changes must be made in accordance with the change order procedure.



REV	CHANGE NO.	REVISIONS

51	2.35	51180.00
6.8	40.8	102
306	15.3	180
396.8	23.3	107

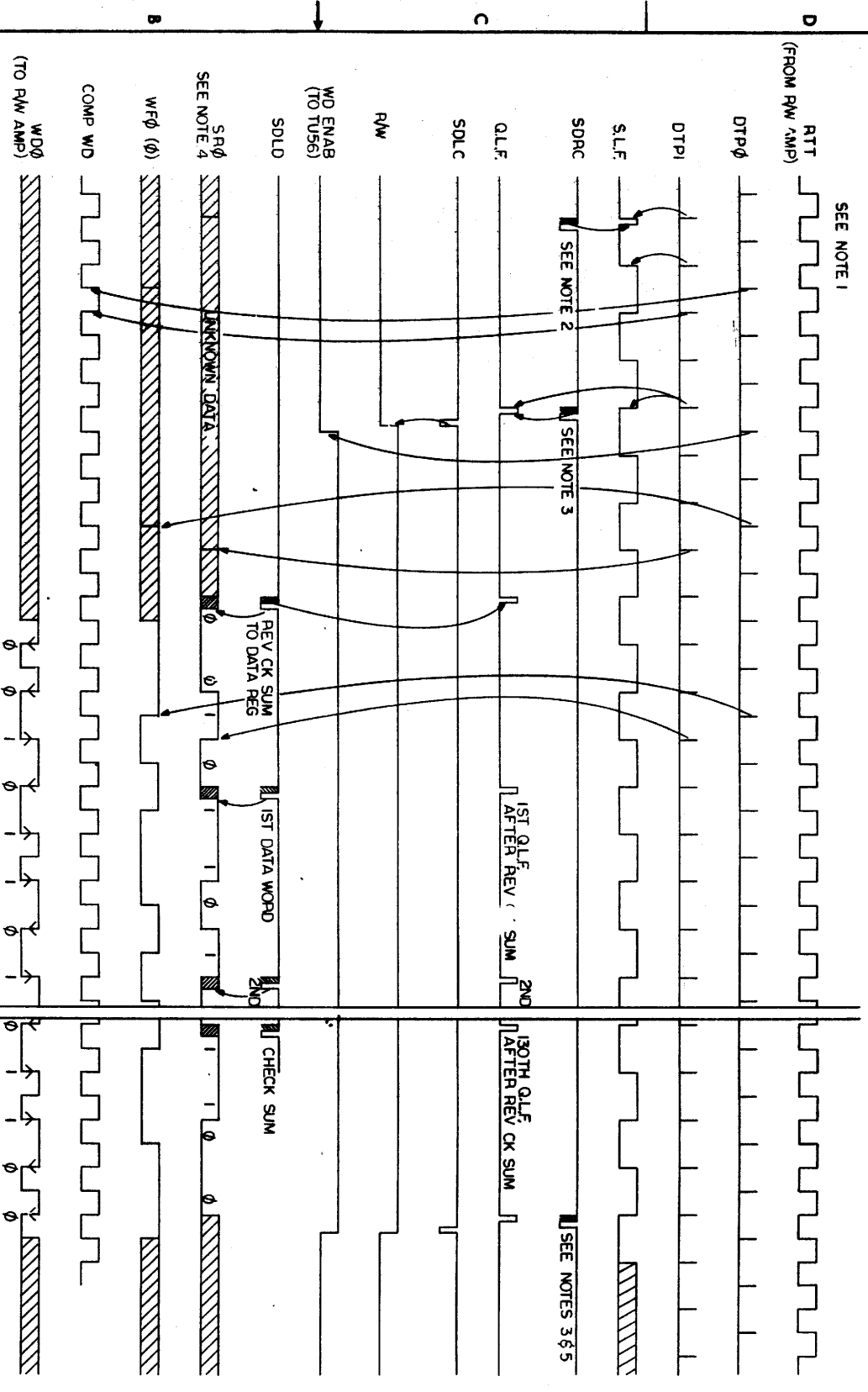
10-6	51
10-3	51

NOTES:
 1 THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY OR CORRECT WAY TO PROGRAM THE TDS-E FOR READ OPERATIONS. ITS PRIMARY FUNCTION IS TO SHOW WHAT HAPPENS IN THE LOGIC BETWEEN VARIOUS PROGRAMMED INSTRUMENTS.

- 2 THE GO SIGNAL IS SWITCH ON BY THE COMPUTER TTR, TO ALLOW SETTLING OF THE UNIT SELECT LINES. THE UNIT DIRECTION AND READ COMMANDS ARE SET BY THIS SDLC.
- 3 THE ADDRESS TO AND OUTPUTS FROM THE MARK TRACK REGS ARE REDDEFINED. 1 IS A LOW LEVEL 4 ANY TIME THE UTS DELAY IS STARTED, THE MTR IS SET TO RL Ø'S (HIGH OUTPUT)
- 5 ONCE THE CORRECT BLOCK AND ITS BEGIN GATED CODES HAVE BEEN FOUND, THE SINGLE LINE FLGAS ARE INVADED. THE MARK IS NOT LOOKED AT AGAIN UNTIL ANOTHER SEARCH IS STARTED.
- 6 AT THIS POINT THE COMPLETE MARK TRACK CODE IS IN THE MR. IF IT IS A BLOCK MARK THEN A SDEL IS ISSUED TO REFD. THE BLOCK NUMBER SO THE PROGRAM CAN TEST TO SEE IF ITS THE ONE WANTED.
- 7 THE OTHER TWO PARALLEL READ LINES WERE IDENTICALLY TO RD Ø, SEP. Ø, 3, Ø. THE FIRST TWO BITS BEING UNDER THE BLOCK MARK ARE LOST AS THE BLOCK NO. IS ONLY UNDER THE FIRST FOUR BITS OF THE BLOCK MARK. THE REV GATED MARKS (Ø) DATA (IN THE REV DIRECTION).

FIRST USED OPTION MODEL		QTY	DESCRIPTION	PART NO.	ITEM NO.
TD8-E					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES					
TOLERANCES					
PARTS LIST					
TITLE					
TD8-E					
TIMING DIAGRAM					

THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS LOANED TO YOU BY THE U.S. GOVERNMENT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.



- NOTES:**
1. THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY WAY OR A CORRECT WAY TO PROGRAM THE TDS-E FOR READ OR WRITE OPERATIONS. ITS PRIMARY FUNCTION IS TO SHOW ANY HAZARDS IN THE LOGIC BETWEEN VARIOUS PROGRAMMED INSTRUCTIONS. IT INDICATES COMPUTER RESUME TIMES.
 2. AT THIS POINT THE COMMAND REG IS SET FOR THE CORRECT UNIT, FWD DIR, GO, READ, THE CORRECT BANK AND LINES BEEN FOUND AND AT THIS SLF THE NEW GROUND CODE IS IN THE RT REG.
 3. THIS SDRC LOADS THE STATUS OF THE COM, REG, INTO THE R.C. SO THE WRITE BIT CAN BE PUT IN OR REMOVED WITHOUT CHANGING ANY OTHER COM, REG, CONDITION. THIS ALSO CDS THE QLF AS THE SOLC DOES NOT.
 4. THE OTHER 2 PARALLEL WRITE BITS WORK IDENTICAL TO SPO, WFO, AND WOP.
 5. AT THIS POINT IF ANY COM, REG, FUNCTION OTHER THAN FWD DIR, GO, READ, THEN THE CORRECT BANK AND THE NEW PHASES WILL STOP UNTL WTS. DELAY TIMES AND L.T.S. IS SET.

WRITE DATA TIMING

REVISIONS		
CHK	CHANGE NO.	REV.

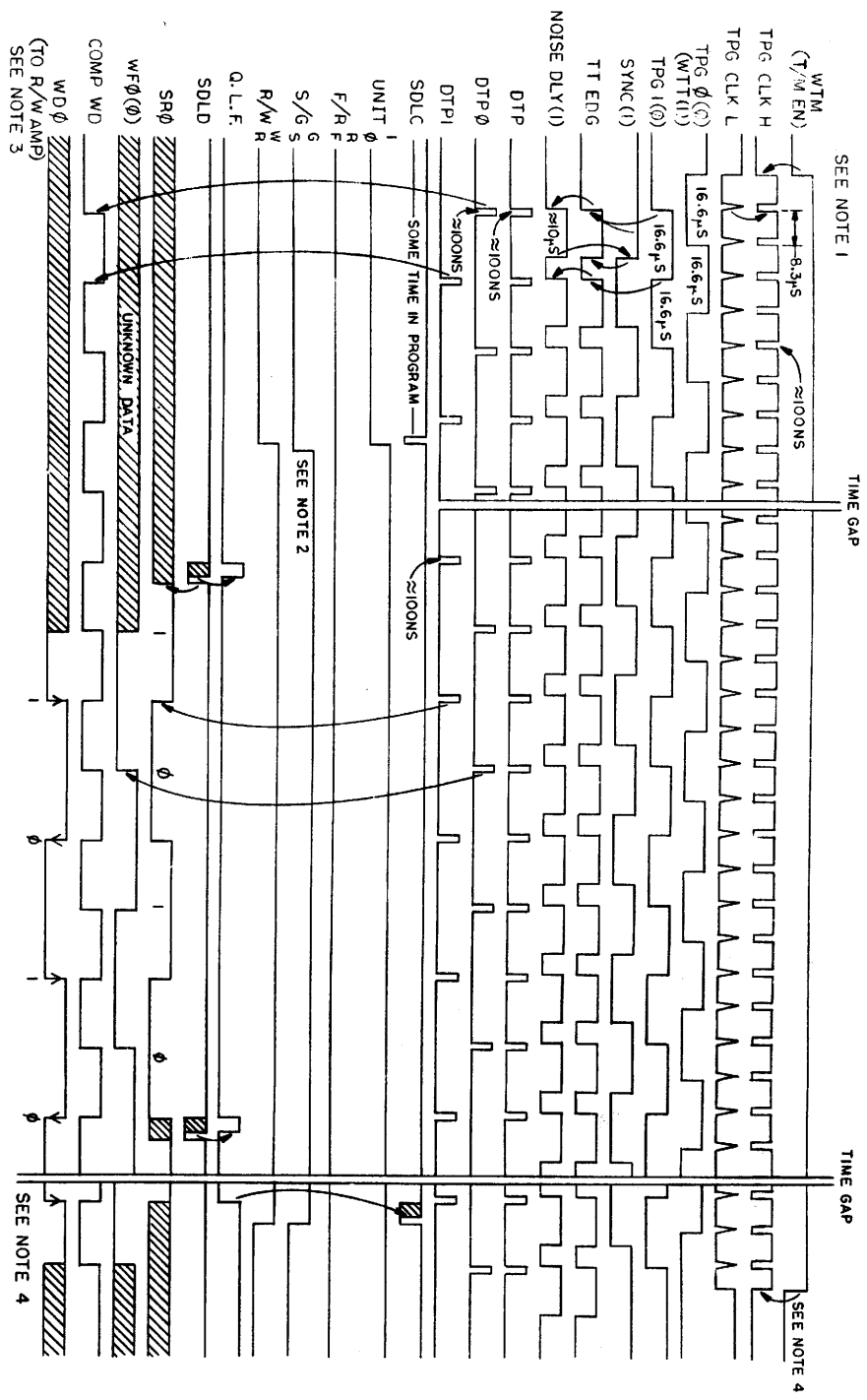
FIRST USED IN OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	REV.
TU8-E					

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS	DIN
TOLERANCES	Metric
DECIMALS	1/16 IN.
ANGLES	1/4°
FINISH	

PARTS LIST	
QTY.	DESCRIPTION
1	TDS-E EQUIPMENT COMPARTMENT

TITLE	
TIMING DIAGRAM	
DWG. NO.	REV.
DTD TD8-E-4	

THIS IS A PRELIMINARY DRAWING. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND TOLERANCES OF THE PARTS AND ASSEMBLIES BEFORE USE.



- NOTES:
1. THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY WAY OR A CORRECT WAY TO PROGRAM THE TD8-E FOR FORMATTING. ITS PRIMARY FUNCTION IS TO SHOW HOW TIME PULSES ARE GENERATED TO WRITE THE TIME & MARK TRACKS.
 2. THE GO SIGNAL IS SWITCHED ON BY COMPUTER TPA TO ALLOW SETTLING OF THE UNIT SELECT LINES. DURING FORMATTING THE MARK TRACK IS WRITTEN FROM THE BIT 2 LOGIC.
 3. AT THIS TIME THE LAST OF THE END ZONE CODES HAVE BEEN WRITTEN, THE PROGRAM STOPS THE TAPE AND THE WTM SWITCH IS SET TO OFF.

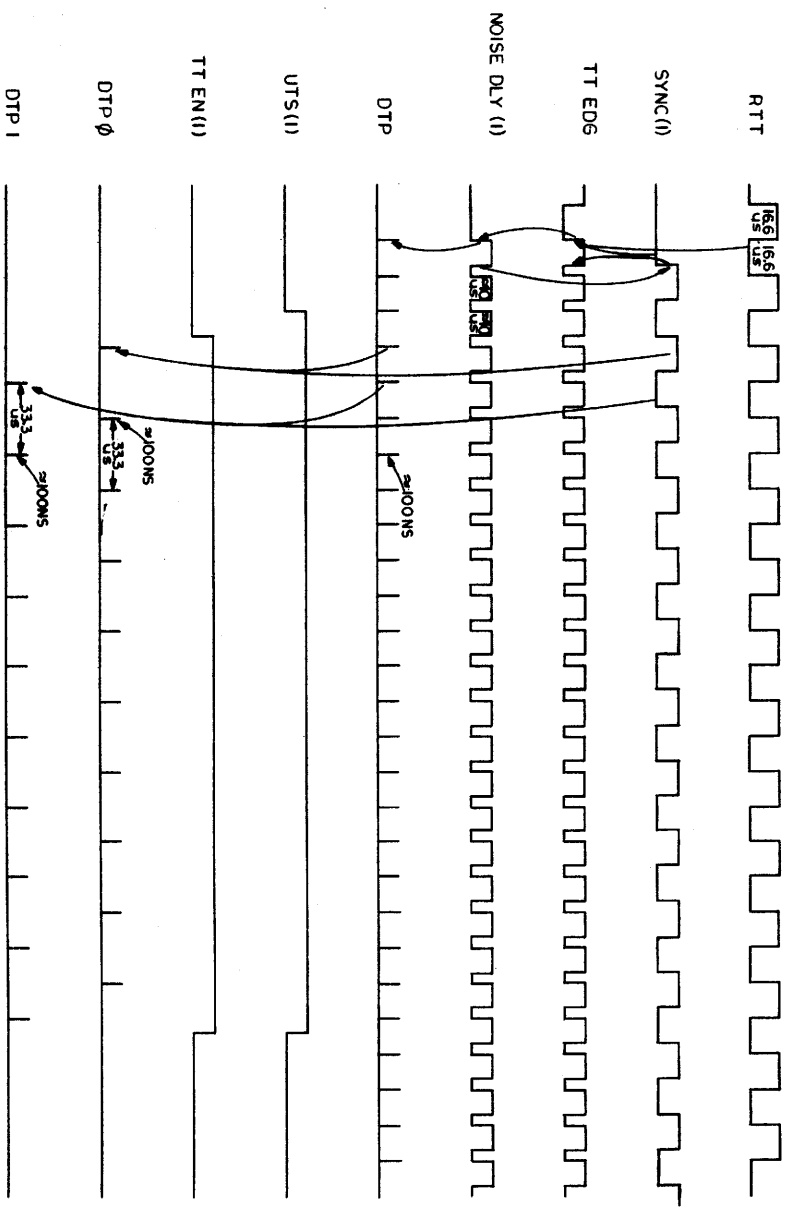
TIMING DIAGRAM FOR WRITING MARK & TIME TRACKS (FORMATTING)

REV.	CHANGE NO.	REVISIONS

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITER.
TD8-E					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS IN INCHES					
TOLERANCES					
DECIMALS	ANGLES				
.XX - .02	±0° 30'				
X - .1					
RELATIVE SURFACE AND METAL STATE					
COMMON SURFACE QUALITY					
MATERIAL					
NEXT NUMBER LIST					
FINISH	SCALE NONE				
PARTS LIST		TITLE		NUMBER	
		TD8-E		TD8-E-4	
		EQUIPMENT CORPORATION		REV.	

8 7 6 5 4 3 2 1

This drawing and specifications, however, are not to be construed as a contract or order of purchase or as a part of the contract or order of purchase. The contract or order of purchase shall govern.



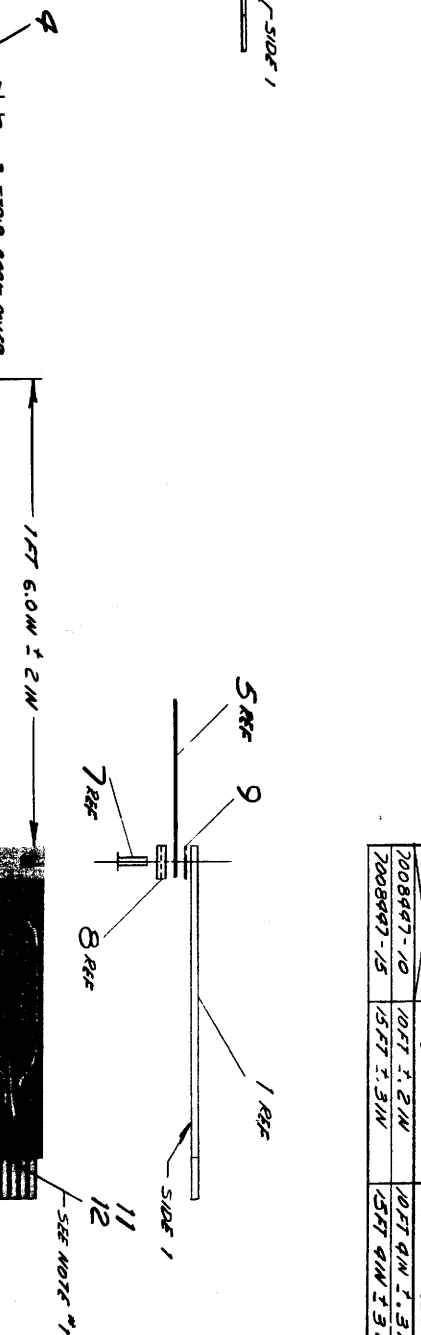
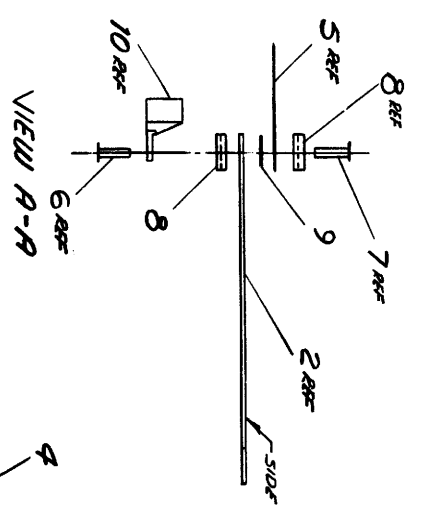
GENERATING TIME PULSES FROM RTT

REVISIONS	
CHK	REV

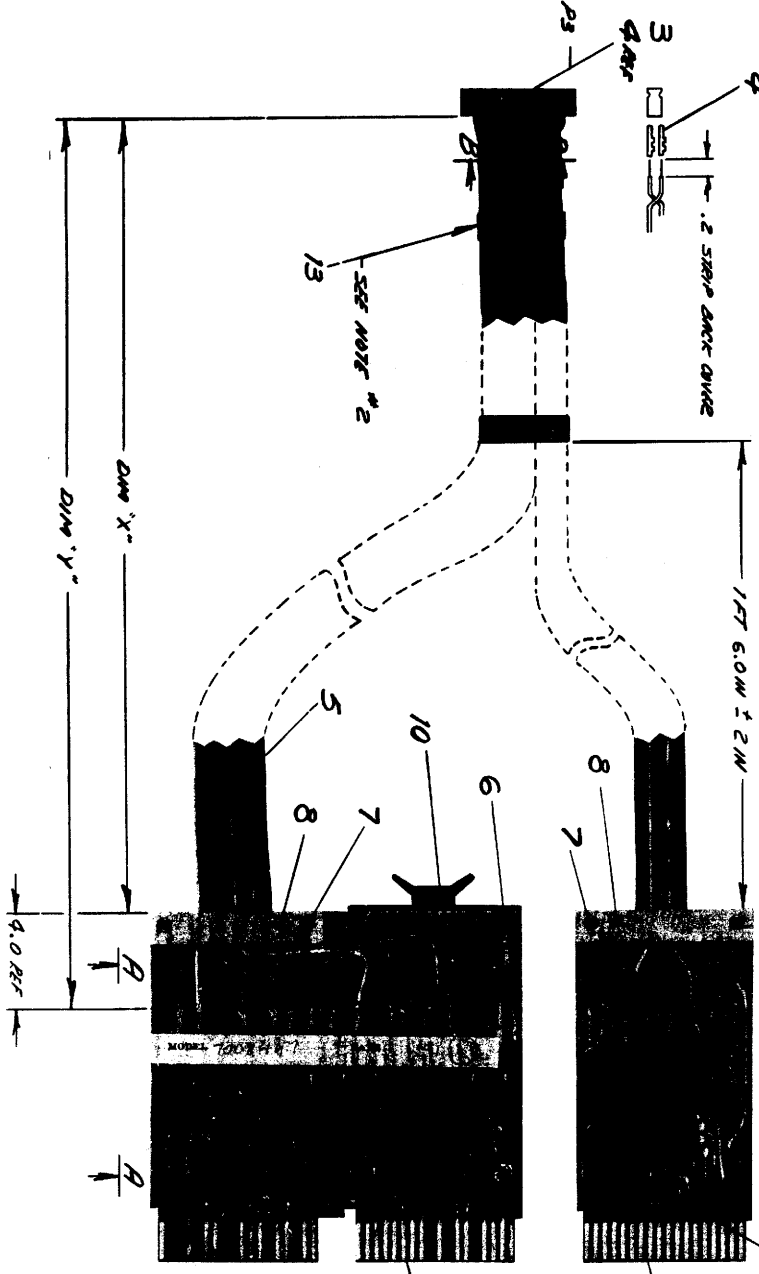
FIRST USED ON: TD8-E		PARTS LIST	
LIMITS OTHERWISE SPECIFIED		DIN	
TOLERANCES		DATE	
DECIMALS		DATE	
ANGLES		DATE	
HOLE DRILLING AND BREAK GRINDING		DATE	
COMMENS SURFACE QUALITY		DATE	
MATERIAL		DATE	
NEXT INSPECT ASBY:		DATE	
A-MIL-TD8-E		DATE	
SCALE NONE		DATE	
SHEET 4 OF 4		DATE	
TITLE		NUMBER	
TD8-E		TIMING DIAGRAM	
DTD		TD8-E-4	

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NUMBER	VARIATION	DIM X"	DIM Y" HEIGHT
2008447-10		10 FT 1.2 IN	10 FT 4 IN 1.3 IN
2008447-15		15 FT 1.3 IN	15 FT 4 IN 1.3 IN



VIEW B-B
SCALE - NONE



NOTES:

1. DIMENSIONS SHOW REF FOR UNITS B AND I (708-F DEVICE CODE 67X) FOR OTHER UNIT SELECTION AND 708-F DEVICE CODES CHANGE DIMENSIONS AS FOLLOWS:
 DEVICE CODE SR DIMENSIONS
 677 X B # 1
 676 X C # 3
 625 X 4 # 5
 674 X 6 # 7
2. TAPE BOTH CHAINS (ITEM #5) TOGETHER APPROXIMATELY EVERY 8 INCHES, USING BRASS RECTANGULAR TAPE (ITEM #13).

REVISIONS		
CHK	CHANGE NO	REV
	1008447-10	A
ADAMS		
© ADAMS 11/13/72		

FIRST USED ON OPTION/MODEL		PARTS LIST	
708-C		QTY.	DESCRIPTION
UNLESS OTHERWISE SPECIFIED			
DIMENSION IN INCHES			
TOLERANCES			
DECIMALS	ANGLES		
XXX .005	1/2 30°		
X .010			
XX .015			
REMOVE BURRS AND DEBurr			
COMBINE SURFACE QUALITY			
MATERIAL SEE PARTS LIST			
FINISH			
NEXT HIGHER ASSY.			
SCALE 1/1 OF 2			
SHEET 1 OF 2			

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1/3	TAPE 3/4 X 1.007 TAP STAINLESS	9102556-10	15
1/2	TAPE 3/4 X 1.007 TAP STAINLESS	9102556-10	15
1/2	TAPE 3/4 X 1.007 TAP STAINLESS	9102556-10	15
1	ANNUAL END CAP MACHINING	9002557-6	10
1	TAPE 3/4 X 1.007 TAP STAINLESS	9002557-6	10
3	CABLE CLAMP # 940	1002709	8
4	CRACKET # 65-4-7	9006232	7
2	CRACKET # 65-4-9	9006796	6
1/2	CABLE BUSHING TO CABLE	9102575	5
3/4	SOCKET, BRASS # 80045	1010083-4	4
1	AUXILIARY KEY # 20385	1010080-0	3
1	CABLE CONNECTOR	11961	2
1	CABLE CONNECTOR	11960	1

This drawing and specifications, together with the purchase order, constitute the contract. The quantity and quality of materials shall be as shown on the drawings and specifications. The contractor shall be responsible for the procurement of materials and labor.

8

7

6

5

4

3

2

1

WIRE TABLE

ITEM NO	DESCRIPTION	QTY	UNIT	REMARKS
5	500 FT 18 AWG 250 OHM/FT	1	ROLL	
6	500 FT 18 AWG 250 OHM/FT	1	ROLL	
7	500 FT 18 AWG 250 OHM/FT	1	ROLL	
8	500 FT 18 AWG 250 OHM/FT	1	ROLL	
9	500 FT 18 AWG 250 OHM/FT	1	ROLL	
10	500 FT 18 AWG 250 OHM/FT	1	ROLL	
11	500 FT 18 AWG 250 OHM/FT	1	ROLL	
12	500 FT 18 AWG 250 OHM/FT	1	ROLL	
13	500 FT 18 AWG 250 OHM/FT	1	ROLL	
14	500 FT 18 AWG 250 OHM/FT	1	ROLL	
15	500 FT 18 AWG 250 OHM/FT	1	ROLL	
16	500 FT 18 AWG 250 OHM/FT	1	ROLL	
17	500 FT 18 AWG 250 OHM/FT	1	ROLL	
18	500 FT 18 AWG 250 OHM/FT	1	ROLL	
19	500 FT 18 AWG 250 OHM/FT	1	ROLL	
20	500 FT 18 AWG 250 OHM/FT	1	ROLL	
21	500 FT 18 AWG 250 OHM/FT	1	ROLL	
22	500 FT 18 AWG 250 OHM/FT	1	ROLL	
23	500 FT 18 AWG 250 OHM/FT	1	ROLL	
24	500 FT 18 AWG 250 OHM/FT	1	ROLL	
25	500 FT 18 AWG 250 OHM/FT	1	ROLL	
26	500 FT 18 AWG 250 OHM/FT	1	ROLL	
27	500 FT 18 AWG 250 OHM/FT	1	ROLL	
28	500 FT 18 AWG 250 OHM/FT	1	ROLL	
29	500 FT 18 AWG 250 OHM/FT	1	ROLL	
30	500 FT 18 AWG 250 OHM/FT	1	ROLL	
31	500 FT 18 AWG 250 OHM/FT	1	ROLL	
32	500 FT 18 AWG 250 OHM/FT	1	ROLL	
33	500 FT 18 AWG 250 OHM/FT	1	ROLL	
34	500 FT 18 AWG 250 OHM/FT	1	ROLL	
35	500 FT 18 AWG 250 OHM/FT	1	ROLL	
36	500 FT 18 AWG 250 OHM/FT	1	ROLL	
37	500 FT 18 AWG 250 OHM/FT	1	ROLL	
38	500 FT 18 AWG 250 OHM/FT	1	ROLL	
39	500 FT 18 AWG 250 OHM/FT	1	ROLL	
40	500 FT 18 AWG 250 OHM/FT	1	ROLL	
41	500 FT 18 AWG 250 OHM/FT	1	ROLL	
42	500 FT 18 AWG 250 OHM/FT	1	ROLL	
43	500 FT 18 AWG 250 OHM/FT	1	ROLL	
44	500 FT 18 AWG 250 OHM/FT	1	ROLL	
45	500 FT 18 AWG 250 OHM/FT	1	ROLL	
46	500 FT 18 AWG 250 OHM/FT	1	ROLL	
47	500 FT 18 AWG 250 OHM/FT	1	ROLL	
48	500 FT 18 AWG 250 OHM/FT	1	ROLL	
49	500 FT 18 AWG 250 OHM/FT	1	ROLL	
50	500 FT 18 AWG 250 OHM/FT	1	ROLL	

REVISIONS	
CHK	CHANGE NO.

FIRST USED ON OPTION/MODEL		QTY	DESCRIPTION	PART NO.	ITEM NO.
700-2		1	CABLE		
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES					
DECIMALS	ANGLES	DATE			
.XX - .02	± 0° 30'	3-22-71			
.X - .1		DRAWN BY: [Signature]			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL					
NEXT HIGHER ASST.					
FINISH		SCALE	SIZE/CODE	NUMBER	REV.
		2 OF 2	DIA 7008447-0-0	0-0	A
SHEET					

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY K. RUSS	CHECKED <i>J. S. Quinn</i>	SECTION
DATE 8-19-71	DATE 8-25-71	1
ENG <i>K. J. Quinn</i>	PROD K. J. Quinn	ISSUED SECT
DATE 8/26/71	DATE 7-30-71	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TD8-E	TD8-EH	TD8-EJ	TD8-EM	TD8-ER	QUANTITY / VARIATION
1-	E-CS-M868-0-1	SIMPLE DECTAPE CONTROL	1	1	1	1	1	
2	D-IA-7008447-0-0	DECTAPE CONTROL CABLE	1	1	1	1	1	
3	D-UA-TU56-M-ø	TAPE TRANSPORT TU56-M	-	-	-	1	-	
3	D-UA-TU56-MH-ø	TAPE TRANSPORT TU56-MH	-	1	-	-	-	
3	D-UA-TU56-MJ-ø	TAPE TRANSPORT TU56-MJ	-	-	1	-	-	
3	D-UA-TU56-MR-ø	TAPE TRANSPORT TU56-MR	-	-	-	-	1	
4	D-UA-H716-B-ø	H716-B POWER SUPPLY	-	*	-	*	-	
4	D-UA-H716-D-ø	H716-D POWER SUPPLY	-	*	-	*	-	
5	E-AD-7008487-0-0	SUPER COVER	-	-	1	-	1	

* NOTE: IF SYSTEM IS 110V USE IPOWER SUPPLY H716-B (ITEM #4)
IF SYSTEM IS 220V USE I716-D POWER SUPPLY (ITEM #4)

TITLE TD8-E DECTAPE CONTROL	ASSY NO. NONE	SIZE CODE A PL	NUMBER TD8-E-ø	REV. A	ECO NO. TD8E-00001
SHEET 1	OF 1	DIST.			

This drawing and specifications, when used in the production of a cabinet or panel, shall be held as the responsibility of the manufacturer or user of the same.

NOTES
 1 H722 IS USED IN 230V AC SYSTEM TO PRODUCE 115V FOR CABINET.

BLANK LOGO 7407936-9	LOGO 7407936-6
TU56M	H950-Q PANEL COVER 10.5"
TU56M	TU56M
TU56M	H950-Q PANEL COVER 10.5"
H950-Q PANEL COVER 10.5"	PDP9E (TD8-E's)
H950-Q PANEL COVER 10.5"	H950-Q PANEL COVER 10.5"
H950-Q PANEL COVER 10.5"	H950-Q PANEL COVER 10.5"

FAN H952-C
2 PER CAB

CABINET H950-B

AC CHANNEL 854(B) POWER CONTROL H716B(D) POWER SUPPLY	AC CHANNEL 854(B) POWER CONTROL H716B(D) POWER SUPPLY H716B(D) POWER SUPPLY H716B(D) POWER SUPPLY
---	---

END PANEL
H952-A

SEE NOTE 1

H722 TRANSFORMER

REAR VIEW
REAR DOOR L.H.
H950-B

REAR VIEW
REAR DOOR R.H.
H950-C

LOGO 7407936-6	TU56M
TU56M	H950-Q PANEL COVER 10.5"
TU56M	PDP9E (TD8-E)
H950-Q PANEL COVER 10.5"	H950-Q PANEL COVER 10.5"
H950-Q PANEL COVER 10.5"	H950-Q PANEL COVER 10.5"

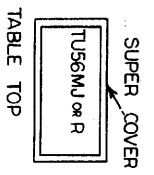
FRONT VIEW
WITH 1 OR 2 TU56'S

REAR VIEW
REAR DOOR R.H.
H950-C

AC CHANNEL 854(B) POWER CONTROL H716B(D) POWER SUPPLY H716B(D) POWER SUPPLY

SEE NOTE 1

H722 TRANSFORMER



REVISIONS		
CHK	CHANGE NO.	REV.
DA	TD8-E-00001	A
M. Quinn 1-6-72		
D. ADAMS		
9/7/72 1/13/72		

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM
TD8-E					
UNLESS OTHERWISE SPECIFIED					
DIMENSION IN INCHES					
TOLERANCES					
DECIMALS	ANGLES				
.XX - .99	± .005				
1 - 1.99	± .007				
2 - 4.99	± .010				
5 - 9.99	± .015				
10 - 49.99	± .020				
50 - 99.99	± .030				
100 - 499.99	± .040				
500 - 999.99	± .050				
1000 - 4999.99	± .060				
5000 - 9999.99	± .070				
10000 - 49999.99	± .080				
50000 - 99999.99	± .090				
100000 - 499999.99	± .100				
500000 - 999999.99	± .120				
1000000 - 4999999.99	± .150				
5000000 - 9999999.99	± .200				
10000000 - 49999999.99	± .250				
50000000 - 99999999.99	± .300				
100000000 - 499999999.99	± .350				
500000000 - 999999999.99	± .400				
1000000000 - 4999999999.99	± .450				
5000000000 - 9999999999.99	± .500				
10000000000 - 49999999999.99	± .550				
50000000000 - 99999999999.99	± .600				
100000000000 - 499999999999.99	± .650				
500000000000 - 999999999999.99	± .700				
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5000000000000 - 9999999999999.99	± .800				
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50000000000000 - 99999999999999.99	± .900				
100000000000000 - 499999999999999.99	± .950				
500000000000000 - 999999999999999.99	± 1.000				
1000000000000000 - 4999999999999999.99	± 1.050				
5000000000000000 - 9999999999999999.99	± 1.100				
10000000000000000 - 49999999999999999.99	± 1.150				
50000000000000000 - 99999999999999999.99	± 1.200				
100000000000000000 - 499999999999999999.99	± 1.250				
500000000000000000 - 999999999999999999.99	± 1.300				
1000000000000000000 - 4999999999999999999.99	± 1.350				
5000000000000000000 - 9999999999999999999.99	± 1.400				
10000000000000000000 - 49999999999999999999.99	± 1.450				
50000000000000000000 - 99999999999999999999.99	± 1.500				
100000000000000000000 - 499999999999999999999.99	± 1.550				
500000000000000000000 - 999999999999999999999.99	± 1.600				
1000000000000000000000 - 4999999999999999999999.99	± 1.650				
5000000000000000000000 - 9999999999999999999999.99	± 1.700				
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5000000000000000000000000 - 9999999999999999999999999.99	± 2.000				
10000000000000000000000000 - 49999999999999999999999999.99	± 2.050				
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10000000000000000000000000000 - 49999999999999999999999999999.99	± 2.350				
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100000000000000000000000000000 - 499999999999999999999999999999.99	± 2.450				
500000000000000000000000000000 - 999999999999999999999999999999.99	± 2.500				
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10000000000000000000000000000000 - 49999999999999999999999999999999.99	± 2.650				
50000000000000000000000000000000 - 99999999999999999999999999999999.99	± 2.700				
100000000000000000000000000000000 - 499999999999999999999999999999999.99	± 2.750				
500000000000000000000000000000000 - 999999999999999999999999999999999.99	± 2.800				
1000000000000000000000000000000000 - 4999999999999999999999999999999999.99	± 2.850				
5000000000000000000000000000000000 - 9999999999999999999999999999999999.99	± 2.900				
10000000000000000000000000000000000 - 49999999999999999999999999999999999.99	± 2.950				
50000000000000000000000000000000000 - 99999999999999999999999999999999999.99	± 3.000				

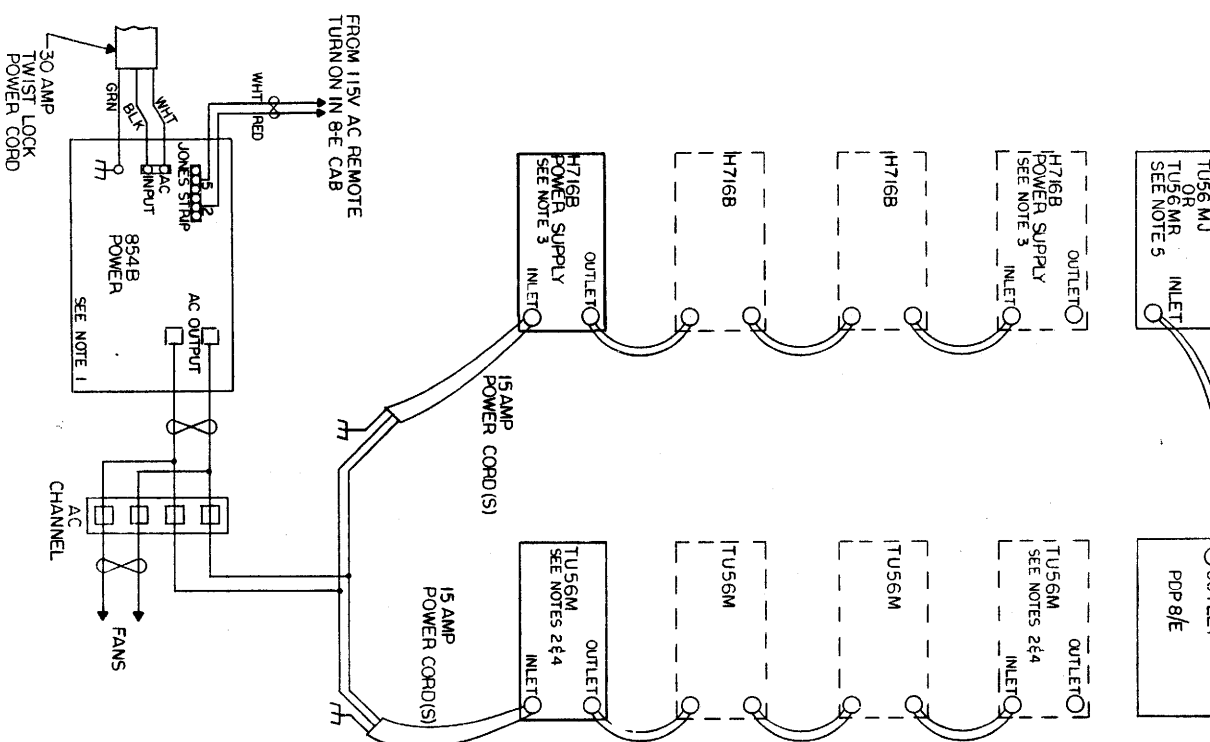
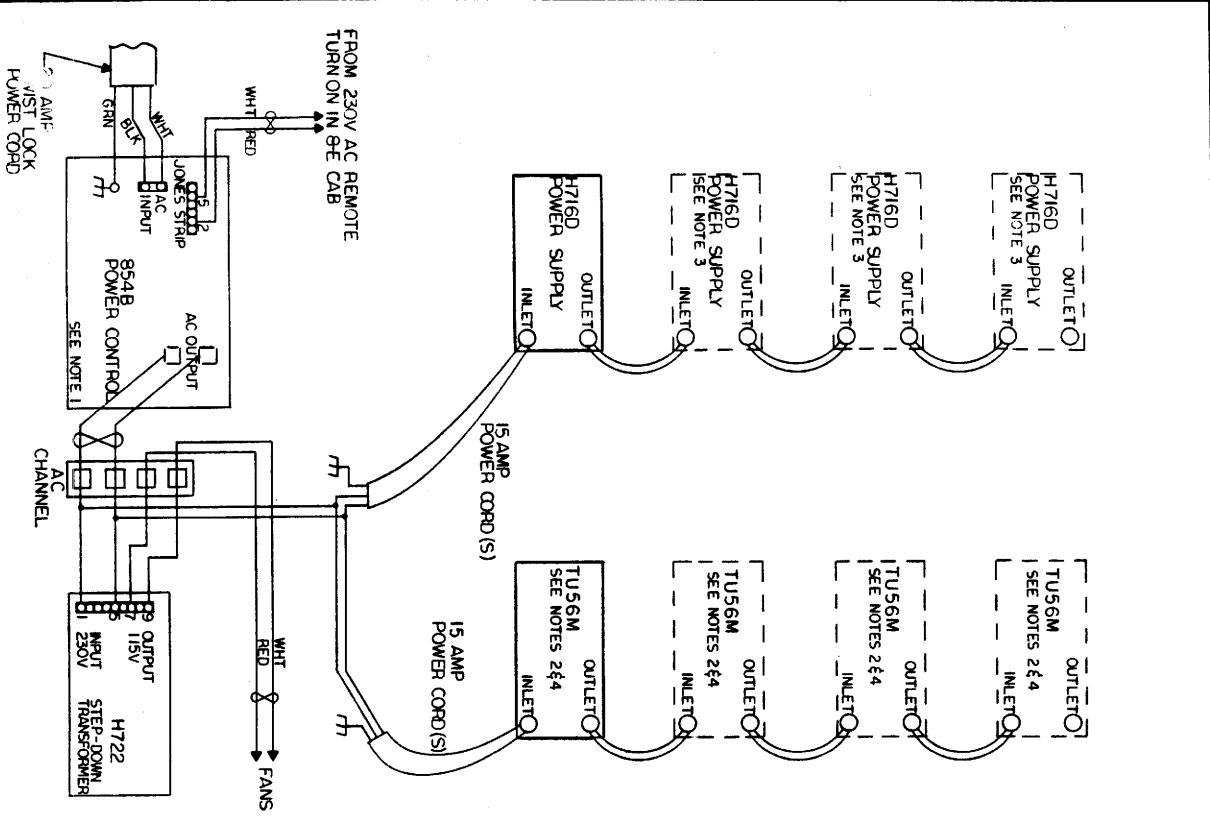
TD8-E
 CONFIGURATION

SIZE CODE
 PART NO.
 REV.

SIZE CODE
 PART NO.
 REV.

8 7 6 5 4 3 2 1

The following equipment, components, parts, etc. are not shown on this drawing but are assumed to be present unless otherwise indicated.



- NOTES:
1. IF THE H716 AND TU56 ARE MOUNTED IN THE 8-E CAB, THEN USE THE EXISTING 854 POWER CONTROL.
 2. UP TO 4 TD8 E'S AND TU56M'S CAN BE CONNECTED TO ONE 8-E.
 3. FOR EACH TU56M THERE WILL BE A H716 TO SUPPLY ITS DC POWER. (EXCEPT AS NOTED IN STEP 5.)
 4. FOR THE FOLLOWING AC VOLTAGES MAKE THE CORRESPONDING JUMPER CONNECTIONS ON THE TU56 TRANSFORMER.
117V JUMPER 1-3, 2-4
230V JUMPER 2-3
 5. FOR SMALL DESK TOP SYSTEMS THE POWER CONTROL AND POWER SUPPLY WILL NOT BE USED. THE TU56 WILL GET +5V AND -15V FROM THE PDP-8E OMNIBUS. USE AWG #14 TWISTED PAIRS BETWEEN THE 8E AND TU56.
 6. DC WIRING IS THE SAME FOR BOTH H716B AND H716D
 7. PLUG CABLE INTO EITHER OF ITS INDICATED LOCATIONS. THE OTHER LOCATION WILL NOT BE USED, AS THE TU56'S ARE NOT SERIALLY CABLED TOGETHER. (BC02X-3)
 8. ALL DC POWER WIRES TO BE #14 AWG STRD TEFLON.
 9. M988 PLUGS INTO TU56 AS SHOWN AT LEFT.

REVISIONS		
CHK	CHANGE NO.	REV
	TD8E-00001	A
	ADAMS	
	11/3/72	
	TD8E-00002	B
	ADAMS	
	4/27/72	

FIRST USED ON	OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	REV.
TD8-E					

UNLESS OTHERWISE SPECIFIED	DETAILS	ANGLES	TOLERANCES	FINISH
DECIMALS	3.0	30°	±.005	AS MANUFACTURED
FRACTIONS	1/16			
HOLE DIMS	±.005			
REMOVE BURRS AND BREAK SHARP CORNERS TO RAISE QUALITY				
MATERIAL	NEAT HIGHER ASSY.			
FINISH	A-M-TD8-E			
	SCALE NONE			
	SHEET 1 OF 2			

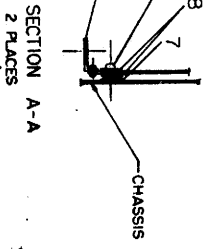
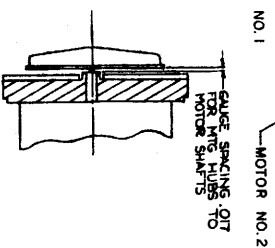
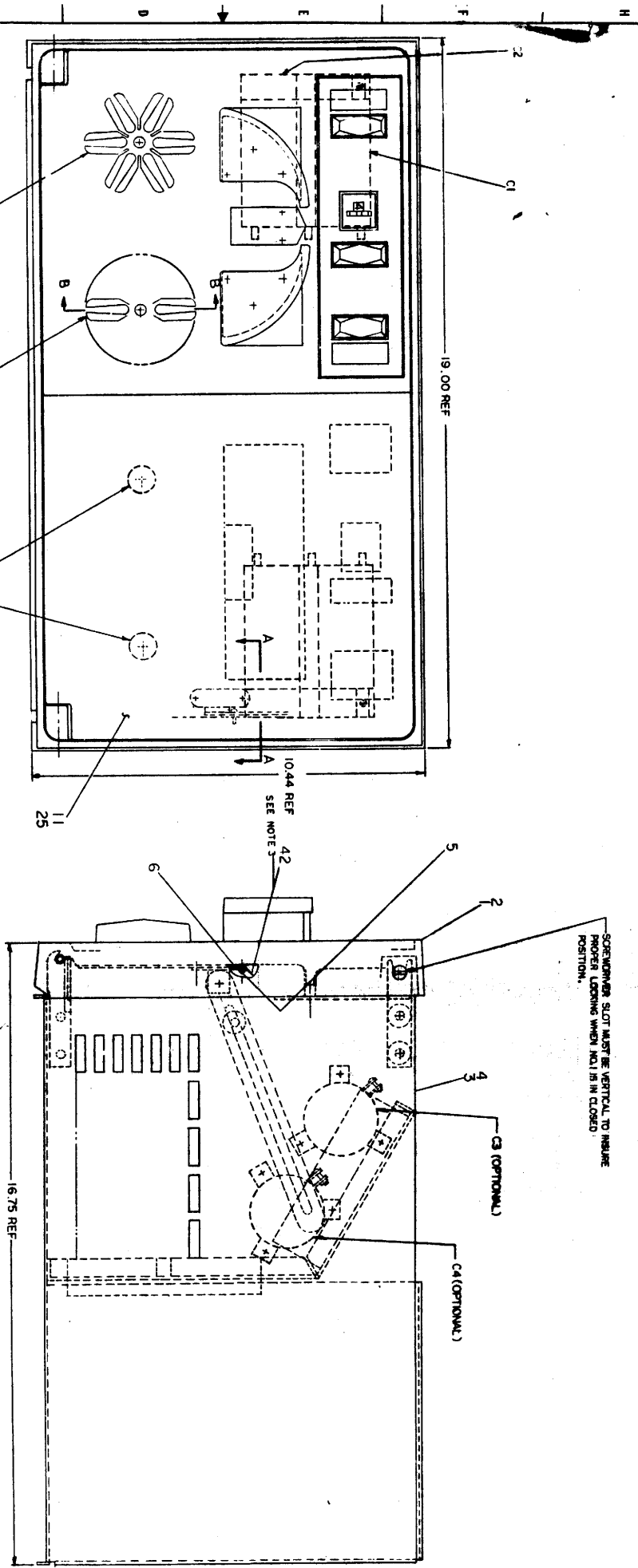
TITLE	DATE	BY	CHECKED	APPROVED
POWER WIRING	11/3/72	ADAMS		

SIZE CODE	NUMBER	REV.
D1C	TD8-E-3	B

NUMBER	VARIATION
TUS6-H	AS SHOWN (1/2 UNIT)
TUS6	DOUBLE UNIT
TUS6-C	DOUBLE UNIT
TUS6-NC	AS SHOWN (1/2 UNIT)
TUS6-N	DOUBLE UNIT
TUS6-M	DOUBLE UNIT
TUS6-MD	AS SHOWN (1/2 UNIT)
TUS6-MH	AS SHOWN (1/2 UNIT)
TUS6-MU	AS SHOWN (1/2 UNIT)
TUS6-MR	DOUBLE UNIT

NOTES:
 1 FOR DRAWING INDEX LIST REFER TO DRAWING D-01-TUS6-0-1
 2 ITEMS 36 & 37 ARE TO BE USED FOR MFG OF UNIT ASSY IN HISSO CABINET. ITEM 38 TO BE USED FOR MFG IN TUBULAR STYLE CAB
 3 GROUND WIRE WILL BE CROSSED WITH WIRE TO MOTOR *4 AND RUN FROM LOGIC BAR AND BAR TO ITEM 42.

SCREWDRIVER SLOT MUST BE VERTICAL TO INSURE PROPER LOCKING WHEN NOT IN CLOSED POSITION.



REV	DATE	BY	CHKD	DESCRIPTION
1	11-17-77
2	11-17-77
3	11-17-77
4	11-17-77
5	11-17-77
6	11-17-77
7	11-17-77
8	11-17-77
9	11-17-77
10	11-17-77
11	11-17-77
12	11-17-77
13	11-17-77
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41	11-17-77
42	11-17-77
43	11-17-77
44	11-17-77
45	11-17-77
46	11-17-77
47	11-17-77
48	11-17-77
49	11-17-77
50	11-17-77

TUS6-H

TUS6

ASSEMBLY

CONTINUED

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 1

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 2

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 3

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 4

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 5

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 6

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 7

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 8

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 9

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 10

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 11

DATE: 11-17-77

BY: [Signature]

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REV: 12

DATE: 11-17-77

BY: [Signature]

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REV: 13

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 14

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 15

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 16

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 17

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 18

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 19

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

REV: 20

DATE: 11-17-77

BY: [Signature]

CHKD: [Signature]

DIGITAL EQUIPMENT CORPORATION
MAYHARD, MASSACHUSETTS

PARTS LIST

MADE BY KEN GUILICK
DATE 8/6/69
ENG C. VALLIANT
DATE 8/26/69

CHECKED D. HEALEY
DATE 8/19/69
PROB C. TOMPKINS
DATE 8/26/69

SECTION 1
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TU56-H	TU56	TU56-M	TU56-MR	TU56-HC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
1	E-AD-7006320-1-0	TABLE FRONT ASSEMBLY	1	1	1	1	1	1	1	1	1	1
2	E-AD-7006320-2-0	TABLE FRONT ASSEMBLY	1	1	1	1	1	1	1	1	1	1
3	E-AD-7006319-1-0	CHASSIS ASSEMBLY	1	1	1	1	1	1	1	1	1	1
4	E-AD-7006319-2-0	CHASSIS ASSEMBLY	1	1	1	1	1	1	1	1	1	1
5	9006078-1	PCB PWR 10-32 X 3/8 IN. SST	4	4	4	4	4	4	4	4	4	4
6	1209600	LID SUPPORT #43067 CERAMIC & FIBROGLAS	2	2	2	2	2	2	2	2	2	2
7	9008135	WAVE CURVED #0250-0075 ASSOC BR	2	2	2	2	2	2	2	2	2	2
8	9008146	WAVE FLAT .630 D.X.231 D.X.048 THK SST	4	4	4	4	4	4	4	4	4	4
9	D-AD-7006321-0-0	WAVED ASSY TU56	1	1	1	1	1	1	1	1	1	1
10	9006075-1	SCR PWR HD PWR #10-32 X 3/4 LG SST	2	2	2	2	2	2	2	2	2	2
11	9006565	NOT KEYS #10-32	6	6	6	6	6	6	6	6	6	6
12	D-UB-725-0-0	POWER SUPPLY 725 +	1	1	1	1	1	1	1	1	1	1
13	9006021-1	SCR PWR HD PWR 6-32 X 5/16 LG SST	5	5	5	5	5	5	5	5	5	5
14	9007651	WAVE EXT TOUCH #6 BRONZ	3	3	3	3	3	3	3	3	3	3
15	9007917	CONN SOCKET#285 #50902 APT#285	32	64	64	64	32	32	32	32	32	32
16	9007193	CONN SOCKET#285 #3000541B	3	6	6	6	3	3	3	3	3	3
17	9007193	CONN SOCKET#285 #3000541B	3	6	6	6	3	3	3	3	3	3
18	9007193	CONN SOCKET#285 #3000541B	3	6	6	6	3	3	3	3	3	3
19	9007193	CONN SOCKET#285 #3000541B	3	6	6	6	3	3	3	3	3	3
20	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
21	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
22	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
23	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
24	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
25	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
26	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
27	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
28	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
29	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
30	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
31	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
32	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
33	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
34	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
35	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
36	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
37	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
38	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
39	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
40	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
41	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
42	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
43	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2
44	9107940-00	WAVE #125 JAW STD THERMO TAP (S&S)	2	2	2	2	2	2	2	2	2	2

DEC FORM NO.16-1031
95a 110

DEC FORM NO.16-1031
95a 110

DIGITAL EQUIPMENT CORPORATION
MAYHARD, MASSACHUSETTS

PARTS LIST

MADE BY KEN GUILICK
DATE 8/6/71
ENG C. VALLIANT
DATE 8/26/69

CHECKED D. HEALEY
DATE 8/19/71
PROB R.L. TOMPKINS
DATE 8/26/69

SECTION 1
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TU56-H	TU56	TU56-M	TU56-MR	TU56-HC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
25	D-1A-7407534-0-0	COVER PLATE - B&P	1	1	1	1	1	1	1	1	1	1
26	C-1A-7405152-1-0	INTER CABLE	1	1	1	1	1	1	1	1	1	1
27	D-1A-80272-1-0	CHARL KIDDOE #978-#978	1	1	1	1	1	1	1	1	1	1
28	D-1A-80272-1-0	CHARL KIDDOE #978-#978	1	1	1	1	1	1	1	1	1	1
29	D-1A-80272-1-0	CHARL KIDDOE #978-#978	1	1	1	1	1	1	1	1	1	1
30	1209351-09	WAVE #1-LOCK SOCKET MOUNTING (9 PWR)	1	2	2	2	1	2	1	2	1	1
31	D-1A-7006413-0-0	OPTICOR CABLE TU56	1	1	1	1	1	1	1	1	1	1
32	1209378	P.W. CONNECTOR	8	16	16	8	16	16	8	8	8	8
33	C-1A-7406907-0-0	BRACKET, RT. ANGUL SUPPORT	2	2	2	2	2	2	2	2	2	2
34	B-1A-7408009-0-0	BRACKET, RT. BRACKET	1	1	1	1	1	1	1	1	1	1
35	C-1A-7408322-0-0	BRACKET BLOCK	2	2	2	2	2	2	2	2	2	2
36	C-1A-7408322-0-0	BRACKET BLOCK	1	1	1	1	1	1	1	1	1	1
37	C-1A-7408321-0-0	MOUNTING BRACKET	2	2	2	2	2	2	2	2	2	2
38	9006340-0	WAVE #100 PWR HARNESS CLASP (DK 4-375P)	2	2	2	2	2	2	2	2	2	2
39	9006341-0	WAVE #100 PWR HARNESS CLASP (DK -188P)	2	2	2	2	2	2	2	2	2	2
40	9006981-0-0	WAVE #100 PWR HARNESS CLASP (DK -188P)	1	1	1	1	1	1	1	1	1	1
41	9007016	CONNECTOR	2	2	2	2	2	2	2	2	2	2
42	9008150	LOG #10 COVER, TIN PLATED	1	1	1	1	1	1	1	1	1	1
43	E-AD-7006467-2-0	TABLE TOP COVER ASSY (TICOV KIT)	1	1	1	1	1	1	1	1	1	1

DEC FORM NO.16-1031
95a 110

DEC FORM NO.16-1031
95a 110

DIGITAL EQUIPMENT CORPORATION
MAYHARD, MASSACHUSETTS

PARTS LIST

MADE BY KEN GUILICK
DATE 8/6/69
ENG C. VALLIANT
DATE 8/26/69

CHECKED D. HEALEY
DATE 8/19/69
PROB R.L. TOMPKINS
DATE 8/26/69

SECTION 1
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TU56-H	TU56	TU56-M	TU56-MR	TU56-HC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
43	C-1A-7408211-0-0	SHIPPING BRACKET	1	1	1	1	1	1	1	1	1	1
44	1209331	DECTAPE TAKE-UP REEL	1	2	2	2	1	2	1	2	1	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TU56-H	TU56	TU56-M	TU56-MR	TU56-HC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
45	9006340-0	WAVE #100 PWR HARNESS CLASP (DK 4-375P)	2	2	2	2	2	2	2	2	2	2
46	9006341-0	WAVE #100 PWR HARNESS CLASP (DK -188P)	2	2	2	2	2	2	2	2	2	2
47	9006981-0-0	WAVE #100 PWR HARNESS CLASP (DK -188P)	1	1	1	1	1	1	1	1	1	1
48	9007016	CONNECTOR	2	2	2	2	2	2	2	2	2	2
49	9008150	LOG #10 COVER, TIN PLATED	1	1	1	1	1	1	1	1	1	1
50	E-AD-7006467-2-0	TABLE TOP COVER ASSY (TICOV KIT)	1	1	1	1	1	1	1	1	1	1

DEC FORM NO.16-1031
95a 110

DEC FORM NO.16-1031
95a 110

DRWG NO
K-WL-TU56-0-2

REV LTR
D

REV LTR	EGO NO	DATE	ENG
A	TU56-00005	12-8-69	E.K.
B	TU56-00009	1-30-70	E.K.
C	TU56-00021	4-13-70	E.K.
D	TU56-00026	5-21-70	E.K.

FIRST USED ON OPTION/MODEL
TU56

DRAWN
GULLICK

DATE
7-8-69

TITLE
TU56
DEC TAPE

CHECKED
A. Reilly

DATE
8-20-69

FOR TAPE # FILE #

ENG
E. Luffing

DATE
8/25/69

SIZE CODE DWG. NO.
K WL TU56-0-2

PROJ. ENG
E. Luffing

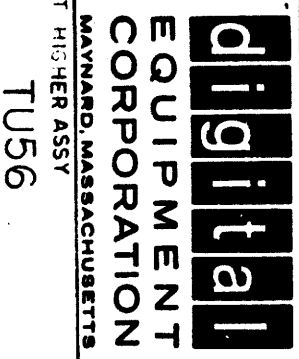
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8/25/69

REV LTR
D

PROD
E. Luffing

DATE
8/25/69

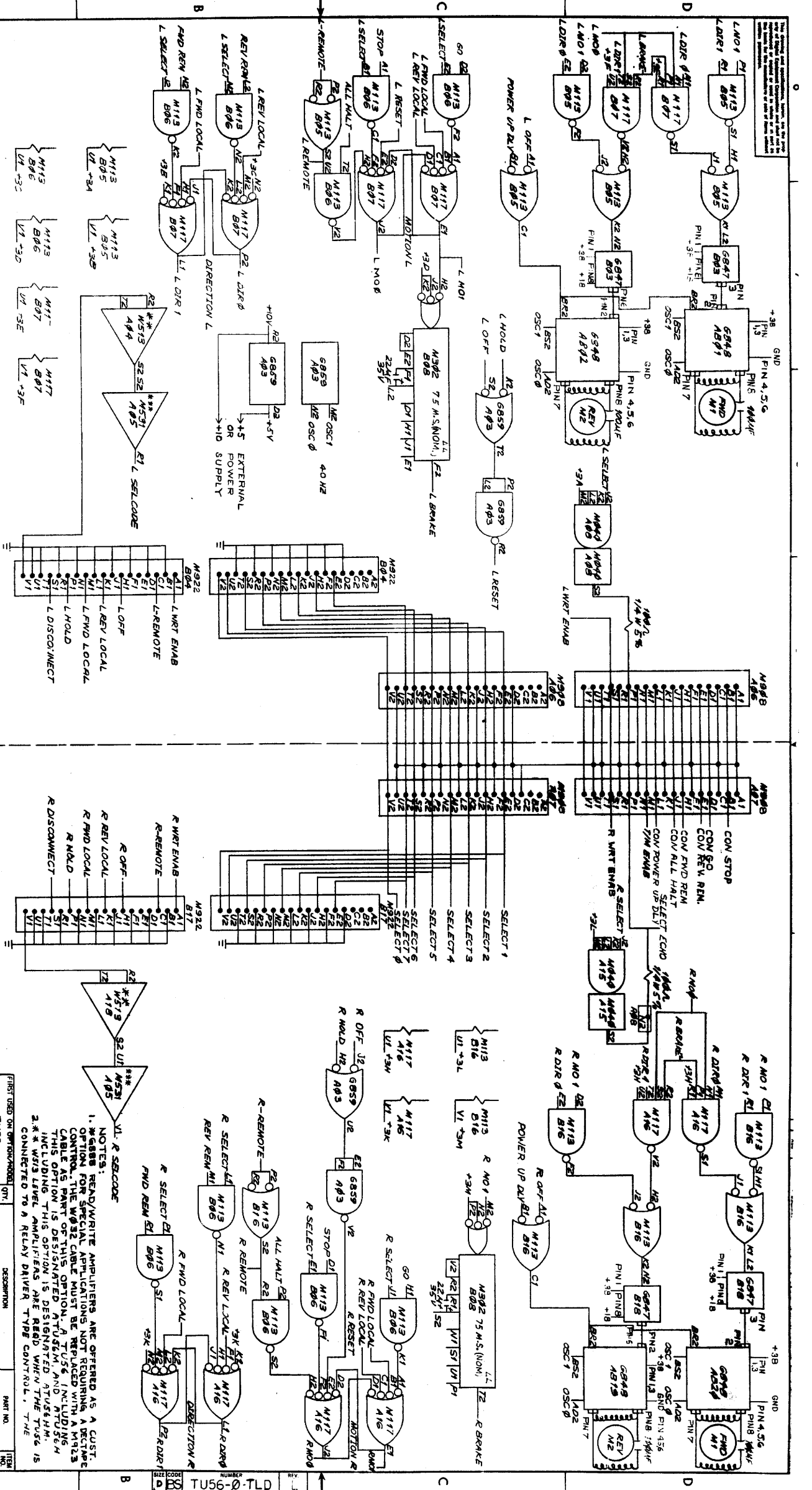
SCALE NONE SHEET 1 OF 1 DIST.



REVISIONS		
CHK	CHANGE NO.	REV
	TU56-00005	A
	TU56-00008	B
	TU56-00009	C
	TU56-00021	D
	TU56-00026	E
	TU56-00044	F
	TU56-00054	H
	TU56-00057	J
	TU56-00070	K
	TU56-00071	L

E. LUTTIG
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 E. LUTTIG
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 E. LUTTIG
 H. DPAP

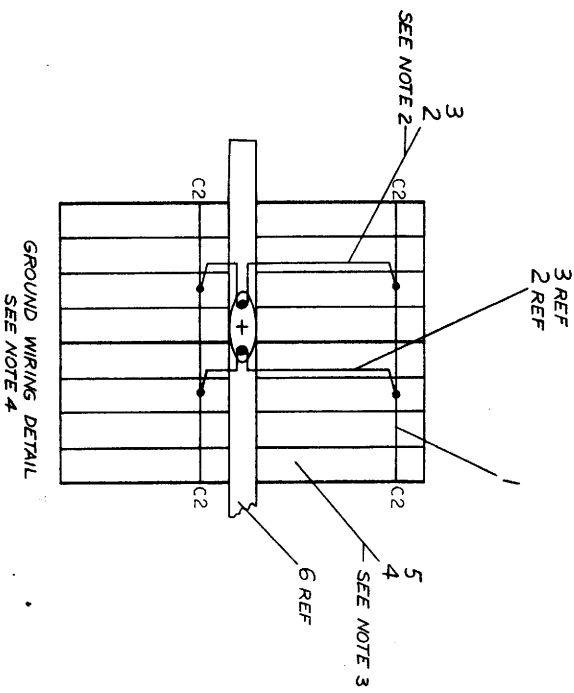
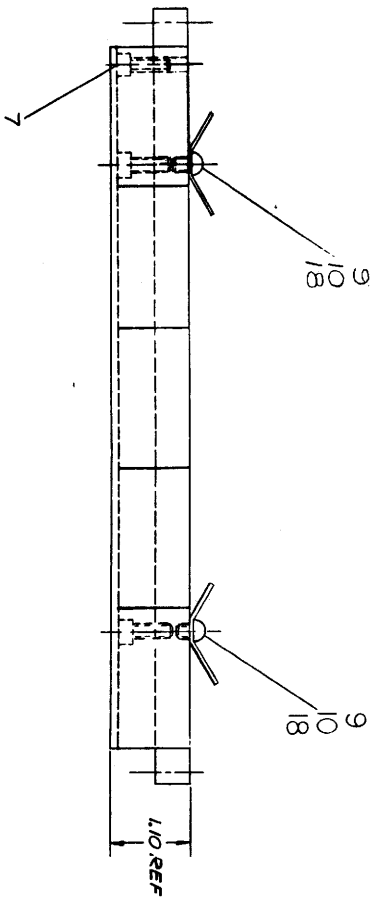
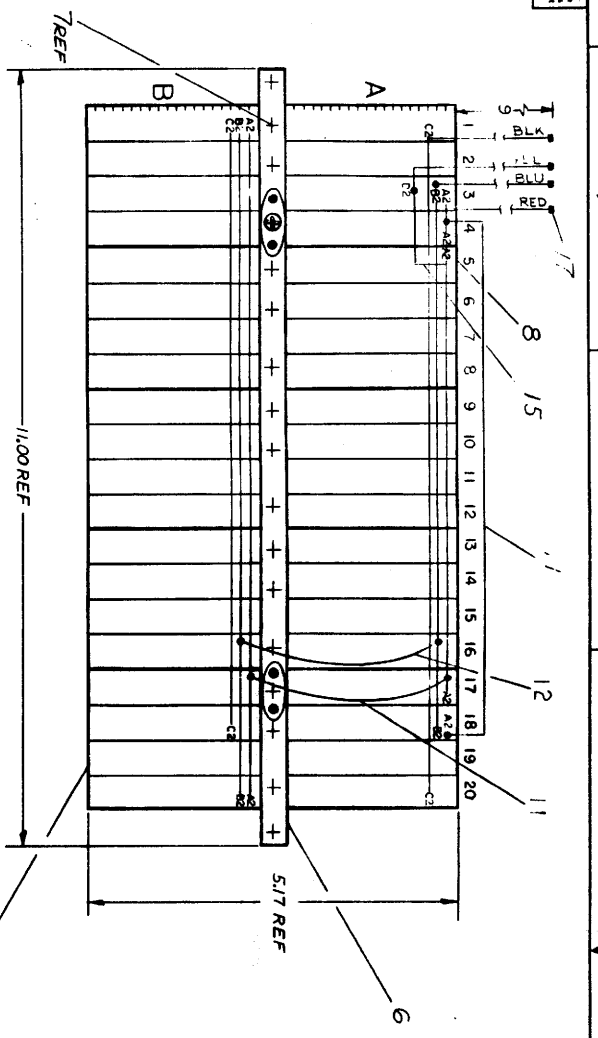
TU56-0-TLD
 DIGITAL CORPORATION
 TRANSPORT LOGIC
 DIAGRAM
 PART NO. _____
 QTY. _____
 DATE _____
 SCALE _____
 SHEET _____ OF 2



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ITEM NO.	COMP	POL	FROM	TO	POL
13	RESISTOR	X	MS52	MS52	X
13	RESISTOR	-	MS52	MS52	-
14	CAPACITOR	-	MS52	MS52	-
14	CAPACITOR	-	MS52	MS52	-

- NOTES:
- CONNECTIONS ON ITEMS #1 & #2 TO BE SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCK
 - CONN BLOCK TO BE GROUNDED
 - TO GND LUG AS SHOWN
 - USE YELLOW WIRE (ITEM #3) FOR MACHINE WRAPPED & BLUE WIRE (ITEM #4) FOR HAND WRAPPED WIRING
 - JUMPER GROUND BUSSING AS SHOWN / PLACE



REVISIONS		
CHK	CHANGE NO	REV
	TU56-00005	A
	TU56-00013	B
	TU56-00017	C
	TU56-00055	D
	TU56-00062	E

FIRST USED ON OPTION/MODEL	
TU56	

TOLERANCES	
XXX	± .005
XX	± .02
X	± .1

QTY	DESCRIPTION	PART NO	ITEM NO
	WIRED ASSY		

TITLE: WIRED ASSY
 NUMBER: TU56
 DRAWING NO: 7006321-0-0
 SHEET: 1 OF 1

**DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS**

PARTS LIST

MADE BY KEN GULICK
 DATE 6/19/69
 ENG *E. J. [unclear]*
 DATE 5/26/69

CHECKED D. HEALY
 DATE 7/23/69
 PROD C. D. [unclear]
 DATE 8/26/69

SECTION 1
 ISSUED SECT. 1

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	SECTION	ISSUED SECT.	QTY	VARIATION
1	1205541	BUS STRIP				
2	9107560-01	22 AWG BUS WIRE				
3	9117265-09	#22 TUBING, TEFION, WHITE				
4	9105740-44	30 AWG SOLID TEF INS, WIRE, YELLOW				
5	9105740-66	30 AWG SOLID TEF INS, WIRE, BLUE				
6	6-1A-7407393-0-0	MFG BAR (5 BLOCKS) TU56				
7	9006120	SCR. PHL HD SELF-TAPPING 8-32 x 5/8				
8	1205348	288 PIN CONN BLOCK				
9	9006775	TERMINAL #2116-08-00 SHAKEPROOF				
10	9008143	SCR. PHL HD SELF-TAPPING 8-32 x 1/2				
11	9107350-22	22 AWG STRD TEF INS WIRE, RED				
12	9107530-66	22 AWG STRD TEF INS WIRE, BLU				
13	7408016	RESISTOR 100 OHMS 1/4 W 5% CGW/TERMT PTS				
14	7408015	CAPACITOR 22 MED 35V S. TANT W/TERMT PTS				
REF	K-WL-TU56-0-2	WIRE LIST				
15	9107350-44	22 AWG STRD TEF INS WIRE, YEL				
16	9107350-00	22 AWG STRD TEF INS WIRE, BLK				
17	9007917	CONN. SOLDERLESS #50302 ANGLES				
18	9006634	WASHER INT #8				

0-1-103900

TITLE: WIRED ASSY TU56

ASSY NO.: D-AD-7006321-0-0

SHEET 1 OF 1

SIZE CODE: A PL

NUMBER: 7006321-0-0

REV: E

ECO NO.: TU56-000062

DIGITAL EQUIPMENT CORPORATION

WAYNARD, MASSACHUSETTS

ACCESSORY LIST

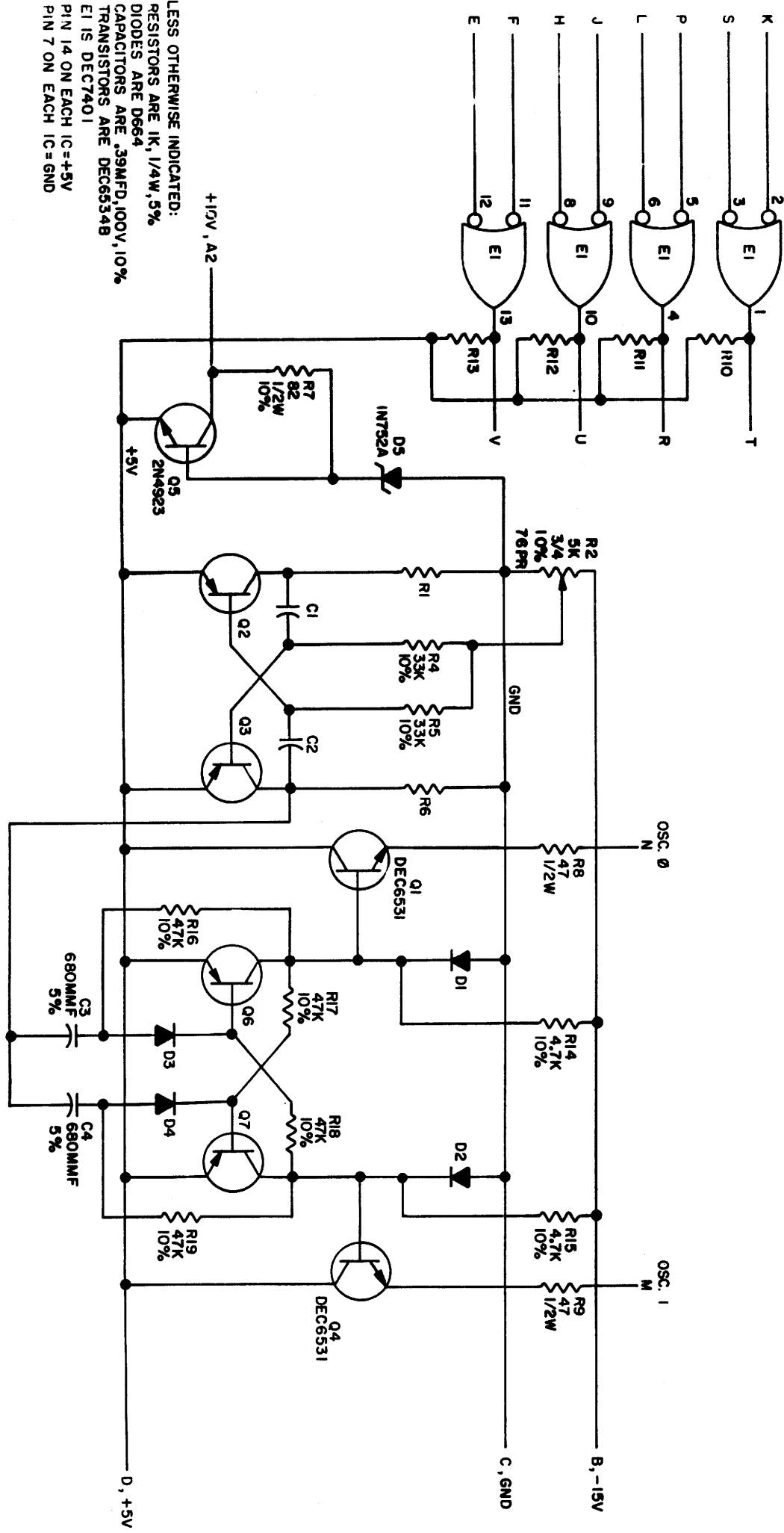
MADE BY J. Ingelund	CHECKED 7/7/72	SECTION	LEGEND
DATE 5/31/72	DATE 7/1/72	ISSUED SECT.	D DOCUMENT CHANGE
ENG W. Lutz	PROD		DN DOCUMENT NOTICE
DATE 7/1/72	DATE		PA PAPER TAPE ASCII
			PB PAPER TAPE BINARY
			PM PAPER TAPE READ-IN-MODE

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY	VARIATION	KIT CHECK	INSTALLATION CHECK
1	BC02X-03	Select Cable	1			
2	74-8321	Mounting Bracket. (H950 Cabinet)	1			
3	74-8322	Spacer Block (H950 Cabinet)	2			
4	TU56-0	Complete Print Set (see A-HL-TU56-0)	1			
5	DRC-00-8878-D	Maintenance Manual	1			
6	12-9311	Take Up Reel	2			
7	TUC-01	Head Cleaning Kit	1			
8	74-5152-1	Head Cable	1			
9	GT42	Jumper Module (Remove M531 and replace with GT42 for PDP-11 add-ons and OEM's)	1			
10	74-5996	Certified DECTape 12 Bit Format	2			
11	74-5996-1	Certified DECTape 18 Bit Format	2			
12	NOTE: Items 12 thru 14 are for Rack Mountable Field Add-on shipments only.					
12	91-7673-06	MC Line Cord 6'	1			
13	90-8851	Mounting Hardware Bag	1			
14	91-7710 and 90-8849	Hook Up Wire	1			
*NOTE: Supply Item 10 for PDP-5, 8 Family, and 12; Item 11 for PDP-1, 4, 6, 7, 9, 10, 11, and 15.						
NOTE: When unit is to be connected to a TU55 or a relay driver control, refer to DECTape notes. When unit is to be installed on a tubular style cabinet, refer to DECTape notes.						
15	DRC-TU56-1PB-1	ILLUSTRATED PARTS BREAKDOWN	1			

TITLE DECTape DRIVE UNIT ACCESSORY SHIPPING KIT	ASSY. NO.	SIZE CODE	NUMBERS	REV.	ECO NO.
	SHEET 1 OF 1	AAL	TU56-0-5	E	TU56-000072

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION

REV. C
NUMBER 1-0-65989
SIZE CODE CS B



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1K, 1/4W, 5%
DIODES ARE D664
CAPACITORS ARE .39MFD, 100V, 10%
TRANSISTORS ARE DEC6534B
EI IS DEC7401
PIN 14 ON EACH IC = +5V
PIN 7 ON EACH IC = GND

REVISIONS		
CHK	CHG NO	REV
	00001	A
	00002	B
	00003	C

DRN.	DATE	CHK'D.	DATE
017282	11/8/69		
	1/17/69		
	2/11/69		

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
DEC6534B	MP36534B		
DEC6551	MP36551		
2N4923	SAME		



TITLE			
SIZE	CODE	NUMBER	REV
B	CS	6859-0-1	C

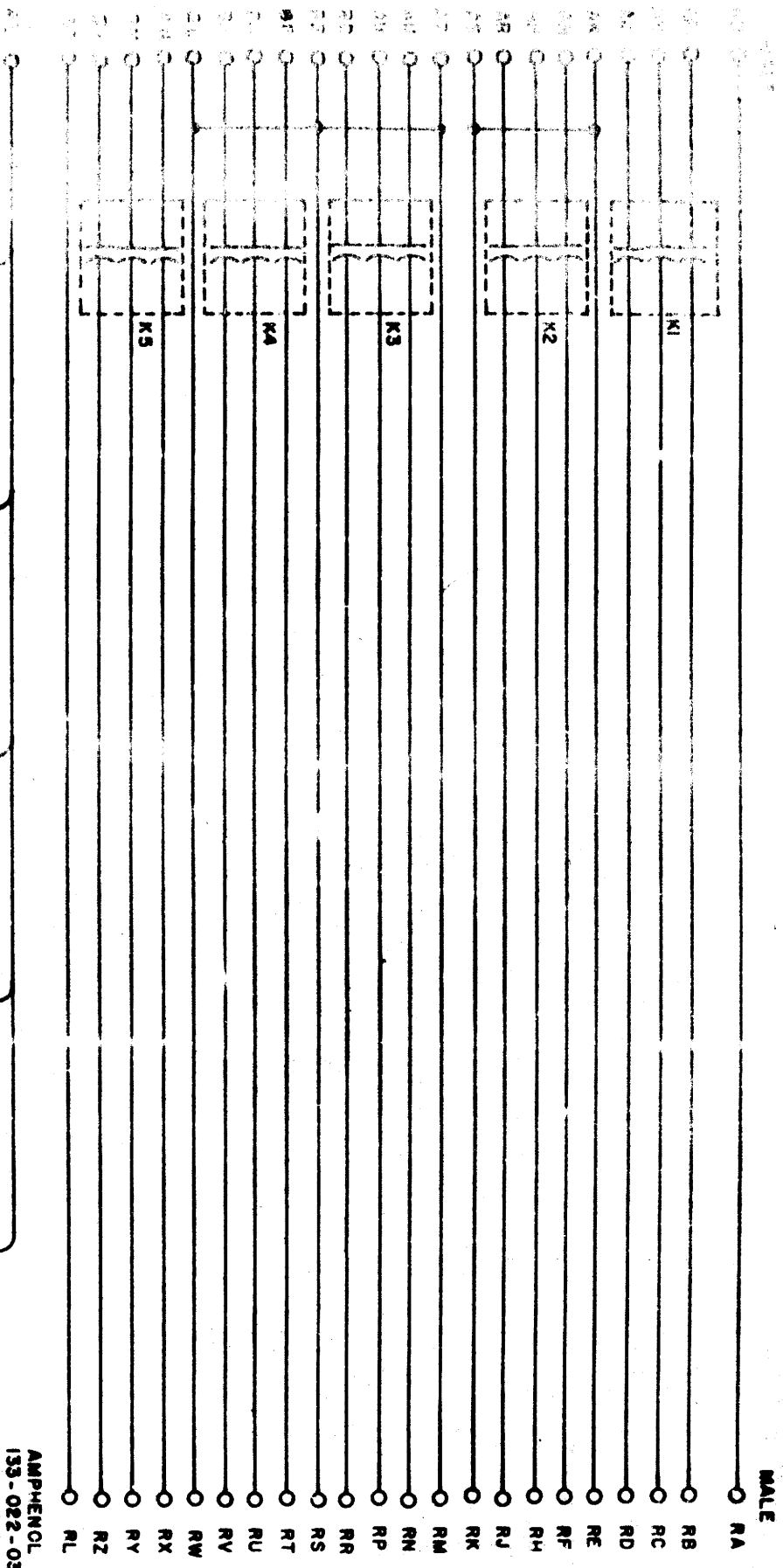
PRINTED CIRCUIT REV. A

FORM NO. 105

4 PAX

Dist. 3-11-73 41433

THIS SCHEMATIC IS DRAWN ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROTECTED IN PATENT AND SHOULD BE TREATED ACCORDINGLY. COMPANY RESERVE DISCREETIONARY COMPETITION.



AMPHENOL
133-022-03

REVISIONS		
REV	DATE	BY
1	1-23-48	AS
2	1-23-48	AS

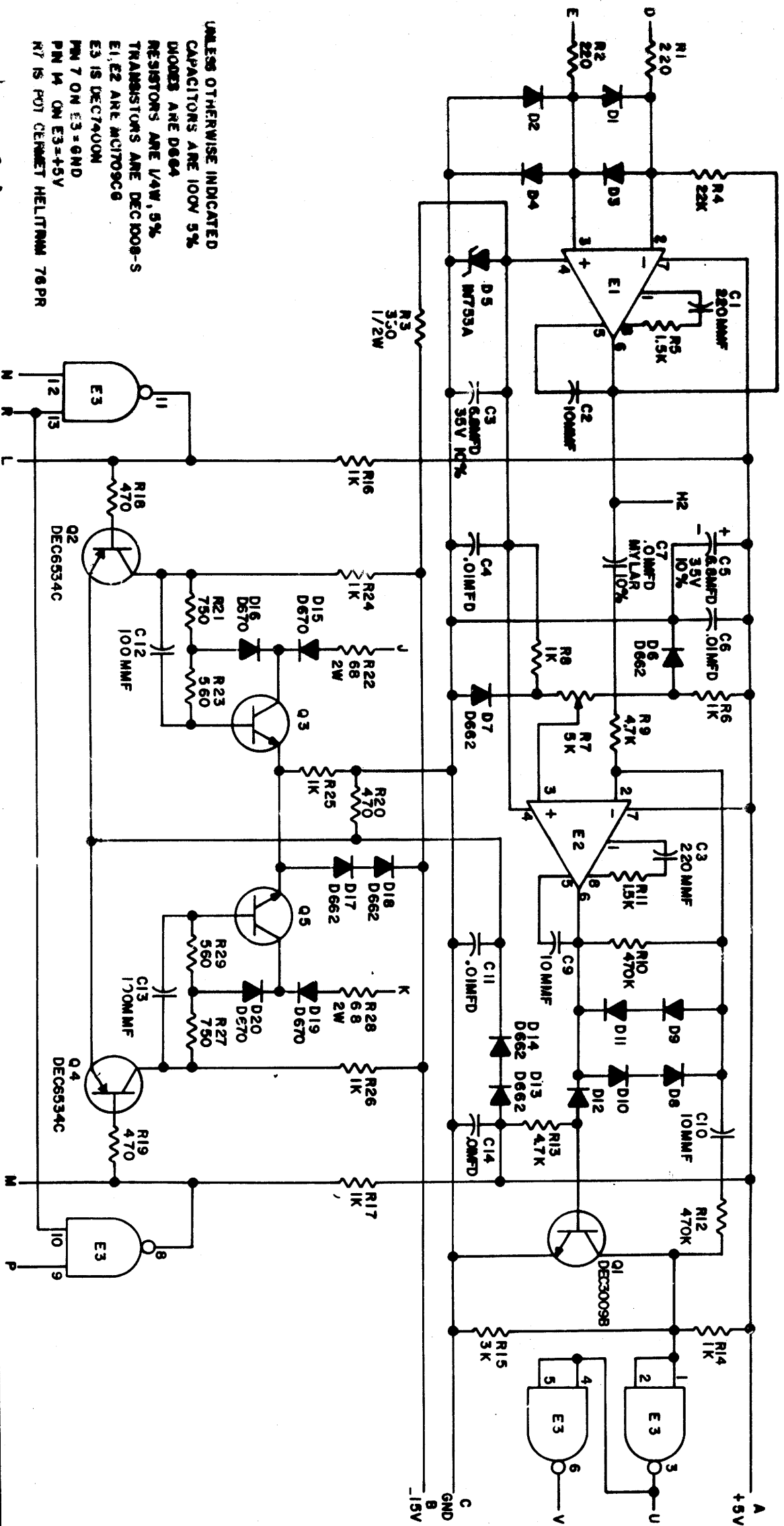
DATE	BY	CHKD	BY
1-23-48	AS	AS	AS
1-23-48	AS	AS	AS

DATE	BY	CHKD	BY
DEC	EA	DEC	EA

EQUIPMENT CORPORATION
MADE IN U.S.A.

TITLE
RELAY 6851
SIZE CODE
B CS 685-Q-1
PRINTED CIRCUIT REV. 18

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1968 BY DIGITAL EQUIPMENT CORPORATION.



REVISIONS		
CHK	CHK NO	REV.
	00001	A
	00002	B
	00003	C

H. DRAB
Date 5/16/72
00002
H. DRAB
Date 1/18/73

DRN.	DATE	DATE
DRN. 1	5-22-68	5/16/72
DRN. 2	8-28-69	8/23/69

DEC	EIA	DEC	EIA
D664	IN645	D662	IN645
D670	SAW	D670	SAW

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN645	D662	IN645
D670	SAW	D670	SAW

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
MANCHESTER READER/WRIter 6888

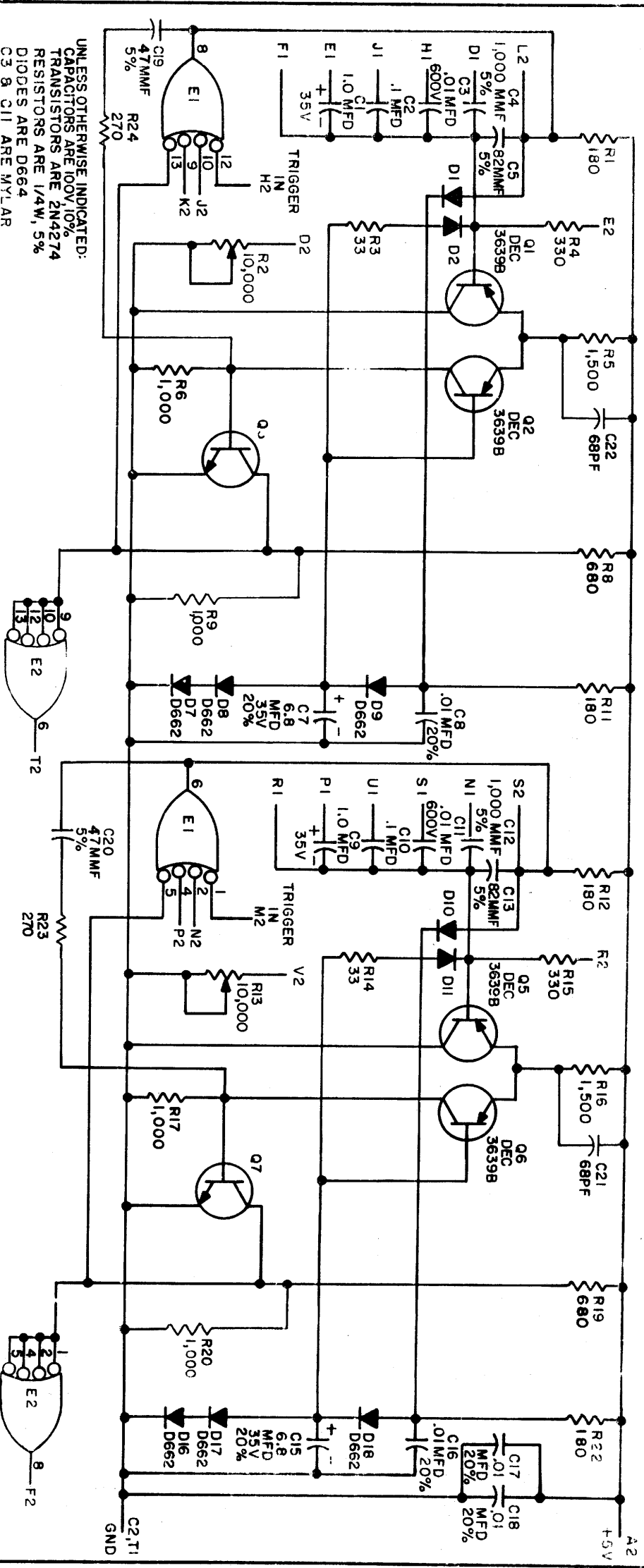
SIZE CODE NUMBER REV.
B CS 6888-0-1 B

PRINTED CIRCUIT REV. [A]

1-U-RRR) SU R
NUMBER SIZE CODE SIZE

DIST. 320,434, UFR 3

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1957 BY DIGITAL EQUIPMENT CORPORATION



UNLESS OTHERWISE INDICATED:
 CAPACITORS ARE 100V, 10%
 TRANSISTORS ARE 2N4274
 RESISTORS ARE 1/4W, 5%
 DIODES ARE D664
 C3 & C11 ARE MYLAR
 E1 IS DEC74H40N
 PIN 14 ONICS = +5V
 PIN 7 ONICS = GND
 R2 & R13 ARE HELLITRIM POT #79PR
 1.0MFD CAPACITORS ARE TANTALUM
 E2 IS DECA13N

PARTS LIST A-PL-M302-0-0

REVISIONS			DRN			DATE			TRANSISTOR & DIODE CONVERSION CHART			TITLE		
CHK	CHG NO.	REV.	NO.	BY	DATE	DEC	EIA	DEC	EIA	SIZE	CODE	NUMBER	REV	
	8507	B			6-5-67	2N4274	SAME	2N3639	IN645	B	M302-0-1			
	6719	C			6/11/67	DEC3639B	IN645	IN3606	D664	CS				
	6881	D			6/12/67					L				
	7077	E								L				
	00001	F								L				
	00002	G								L				
	00003	H								L				
	00004	I								L				

DEC FORM NO. DRB 102

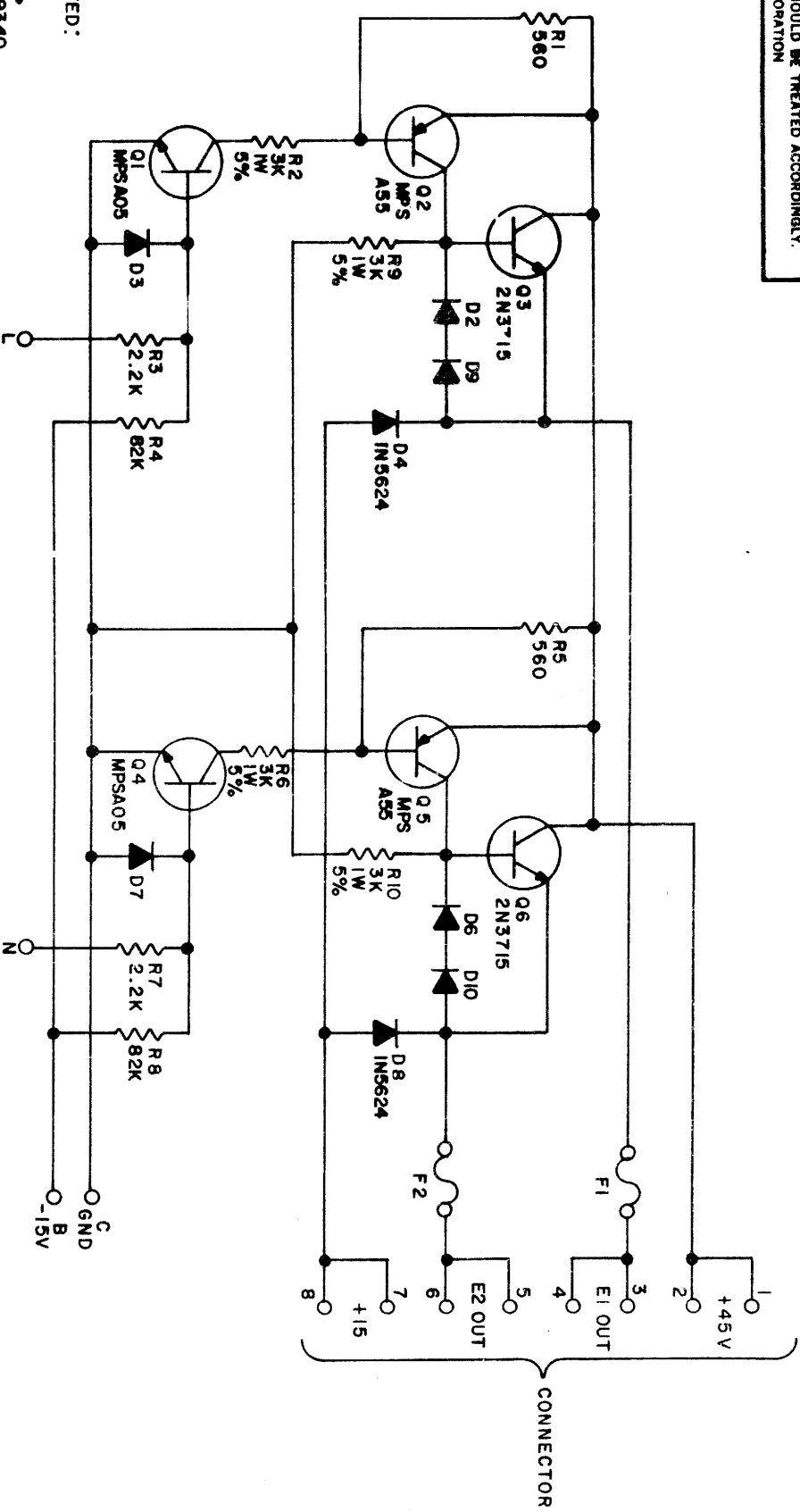
1-0-COLEM1 30 2715

ONE SHOT DELAY M302

digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS
 PRINTED CIRCUIT REV. L
 DIST 324/434/435 4

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION

D REV 1-0-4889 CS B SIZE 3000



UNLESS OTHERWISE INDICATED:
 DIODES ARE D672
 RESISTORS ARE 1/4W, 10%
 CONNECTOR IS DEC #1209340.
 CONNECTOR PINS ARE DEC #1209456
 F1, F2 ARE 5 AMP

NOTE: Q1, Q2, Q4, Q5 HAVE VARIED PACKAGES
 DEPENDING ON SOURCE.
 SEE DIAGRAM:

MOTOROLA: $\begin{matrix} \text{C} & \text{B} & \text{E} \\ \text{O} & \text{B} & \text{O} \end{matrix}$ MPSA05
 GE: GPSA05
 GPSA55

REVISIONS		
CHK	CHG NO.	REV
2	00002	A
2	00003	
2	00004	B
2	00005	
2	00006	C
NANCY MOORE		
MORGANSTERN		
H. D. DODD		
H. D. DODD		

DRN	DATE	DATE
DRN	DATE	DATE
DRN	DATE	DATE
DRN	DATE	DATE

TRANSISTOR & DIODE CONVERSION CHART		
DEC	EIA	DEC
D672	IN3653	
MPSA05	NONE	
2N3715	NONE	
GPSA55		
IN5624	SAME	

digital EQUIPMENT CORPORATION
 NAYNARD MASSACHUSETTS

TITLE: DUAL MOTOR VOLTAGE CONTROL 6847

SIZE: B CODE: CS NUMBER: 6847-0-1 REV: D

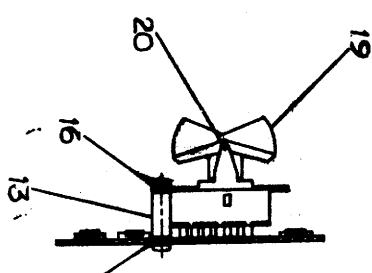
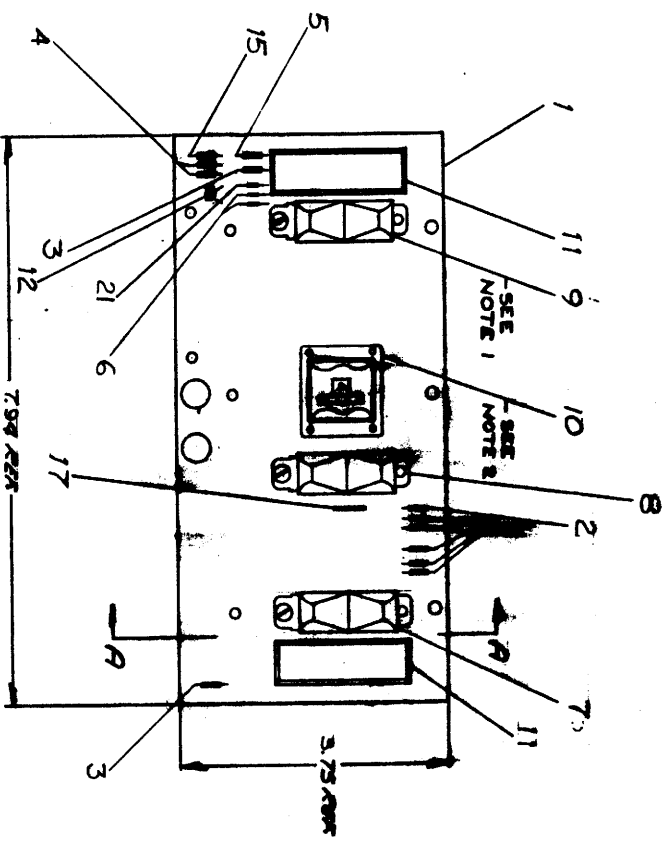
PRINTED CIRCUIT REV. E

DEC FORM NO. DMB 102

5 PINK DIST. 324, 434, 435

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REVISIONS		
CHK	CHANGE NO.	REV.
	TU56-00020	B
	4-3-70	
	LUTTIG	
	15408500-00002	C
	LUTTIG	
	15408500-00003	D
	H. DRAB	
	1/25/73	



SECTION A-A

- NOTES:
1. HAND DEGREASE ONLY-DO NOT DEGREASE AS IT WILL CAUSE MALFUNCTION IN SWITCHES
 2. IN SOLDERING OPERATIONS DO NOT ALLOW FLUX OR CLEANING AGENT TO ENTER SWITCH

FIRST USER OR OPTION/MODEL
 1556
 TOY SERVICES
 Xerox Corp
 300 N. Zeeb Rd
 Waltham, MA 01981

DO NOT SCALE DRAWING
 DIMENSIONS SPECIFIED
 UNLESS OTHERWISE SPECIFIED

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	SWITCH CONTROL PANEL (TU56)	DAD15408500-0-0	D

TITLE
 digital EQUIPMENT CORPORATION
 SWITCH CONTROL PANEL (TU56)

DATE	BY	CHKD	APP'D	REV.
1/25/73	H. DRAB			D

PARTS LIST

MADE BY <i>Paul J. Ingrassia</i>		CHECKED <i>D. Wall</i>		SECTION
DATE <i>Oct 28, 1969</i>		DATE <i>1-30-70</i>		<i>P.C. LAYOUT</i>
ENG <i>E. Lutting</i>		PROD <i>E. J. Johnson</i>		ISSUED SECT.
DATE <i>3-18-70</i>		DATE <i>3/25/70</i>		

ITEM NO.	DWG NO./PART NO. CL BASIC VAR.	DESCRIPTION	UNIT COST	UNIT QUANTITY	QUANTITY ISSUED
REL	C-CS-5408500-0-1	CIRCUIT SCHEMATIC			
REL	N-CC-5408500-0-4	X-Y COORDINATE HOLE LOCATION			
REL	D-RH-5408500-0-5	ASSY/DRILLING HOLE LAYOUT			
1	5008499	ETCHED CKT. BD. TU56		1	
2	1300386	RES. 1.2K, 1/4W, 10% C.C.		6	
3	1301421	RES. 15 ^Ω , 1/4W, 10%		2	
4	1300490	RES. 12K, 1/4W, 10%		2	
5	1302388	RES. 2K, 1/4W, 5%		1	
6	1100114	DIODE D664		2	
7	1209614	SWITCH 3 POS. RS-38-FB PC		1	
8	1209613	SWITCH 3 POS. RS-39-FB PC		1	
9	1209612	SWITCH MINI RS-33-FB PC		1	
10	1209617	SWITCH 8 POS THUMBWHEEL SWITCH		1	
11	1209637	LIGHT		2	
12	1509338	TRANSISTOR, MPS 6531		1	
13	9008833	SPACER, 3/16 AF x 5/8 LG #4-40 AL		3	
14	9006080	SCREW, 6-32 x 1/4		6	
15	1300432	RES. 3K, 1/4W, 5%		1	
16	9006009-4	SCR SLOTTED HD #4-40 x 1/4 LG SST		6	
17	9107560-01	#22 AWG BUS WIRE		1	

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
TU56 CONTROL BOARD	D-AD-5408500-0-0	A PL	5408500-0-0	D	00003
	SHEET 1 OF 2	DIST.	324 137 145		

DEC FORM NO. 16-1027
DRA 123

5 PINK X

**DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS**

PARTS LIST

MADE BY <i>Paul J. Ingrassia</i>		CHECKED <i>D. Wall</i>		SECTION
DATE <i>Oct. 28, 1969</i>		DATE <i>1-30-70</i>		
ENG <i>E. Lutting</i>		PROD <i>E. J. Johnson</i>		ISSUED SECT.
DATE <i>3-18-70</i>		DATE <i>3/25/70</i>		

ITEM NO.	DWG NO./PART NO. CL BASIC VAR.	DESCRIPTION	UNIT COST	UNIT QUANTITY	QUANTITY ISSUED
18	9006632	WASHER INT TOOTH #4		3	
19	1209711-01	BUTTON, ROCKER		3	
20	9008842	DOWEL PIN		3	
21	1100121	DIODE, IN748 3.9V 10% 40mw		1	

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
SWITCH CONTROL PANEL (TU56)	D-AD-5408500-0-0	A PL	5408500-0-0	D	00003
	SHEET 2 OF 2	DIST.			

DEC FORM NO. 16-1027
DRA 123

5 X

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY/VARIATION																			
MADE BY KEN GULICK		CHECKED D. HEALY		SECTION																			
DATE 6/5/69		DATE 7/23/69		1																			
ENG <i>Chalchalt</i>		PROD C. R. Thompson		ISSUED SECT.																			
DATE 8-22-69		DATE 8/22/69		1																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				7006320-1	7006320-2																
1	E-MD-7407395-0-0	PANEL FRG (TU56)				1	1																
2	D-IA-7410958-0-0	PANEL OVERLAY				1	1																
3	900791	ADHESIVE STRENGTHENING SPRAY #77				A	PA/R																
4	9008133	NUA ASSY (L.H. COVER)				2	4																
5	9006341	SCR SOC HD CAP 10 24 X 1/2 BLK PASS.				8	16																
6	C-MD-7407282-2-0	COVER PLATE (L.H.)				1	2																
7	C-MD-7407283-2-0	TAPE GUIDE (L.H.)				1	2																
8	1209602	MOTOR, TORQUE				2	4																
9	D-IA-7006222-0-0	SWITCH CONTROL PANEL ASS'Y				1	2																
10	C-IA-7407283-1-0	TAPE GUIDE (R.H.)				1	2																
11	C-MD-7407282-1-0	COVER PLATE (R.H.)				1	2																
12	1209691	HEAD ASSY				1	2																
13	C-MD-7405136-0-0	REAR CHECK TAPE GUIDE				2	4																
14	B-MD-7405114-1-0	WEAR PLATE (R.H.)				1	2																
15	9007104	SPR #649-119N INST SPEC. CO.				2	4																
16	9006345	SCR SOC HD CAP #10-32 X 3/8 SST				2	4																
17	9008133	DOWEL PIN 3/32 DIA X 7/16 LG				4	8																
18	9008131	DOWEL PIN 1/8 DIA X 7/8 LG				4	8																
19	B-MD-7405114-2-0	WEAR PLATE (L.H.)				1	2																
20	9008130	DOWEL PIN 1/4 DIA X 1 1/4				2	2																
21	90-07785	GRIP, EXT SER #5555-37 WALDES 3/8" SHAFT				2	2																
22	B-MD-7407400-0-0	PIN, LOCK				2	2																
TITLE PANEL FRONT, ASSEMBLY				ASSY NO. E-AD-7006320-0-0		SIZE CODE A PL		NUMBER 7006320-0-0				REV. L		ECO NO. TU56-00076									
				SHEET 1 OF 2		DIST. C																	

DEC FORM NO. DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY/VARIATION																			
MADE BY KEN GULICK		CHECKED D. HEALY		SECTION																			
DATE 6/5/69		DATE 7/25/69		1																			
ENG <i>Chalchalt</i>		PROD C. R. Thompson		ISSUED SECT.																			
DATE 8-26-69		DATE 8/26/69		1																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				7006320-1	7006320-2																
23	9006331	SCR SOC HD CAP 6-32 X 5/8 LG BLK PASS.				4	8																
24	C-MD-7405136-1-0	REAR CHECK TAPE GUIDE L.H.				2	4																
25	9006632	WASH INT TOOTH #4				2	4																
26	9007032	TIE WRAP #SST-2-B PANDUIT				A	PA/R																
27	9007651	WASH EXT TOOTH #10 HOLE				10	20																
28	9006022-1	SCR, PH HD PAN #6-32 X 3/8 SST				4	8																
29	9006014-1	SCR PH HD PAN #4-40 X 5/8 LG SST				2	4																
30	9008133	WASH EXT TOOTH #10 HOLE				4	8																
31	9008131	WASH EXT TOOTH #10 HOLE				4	8																
32	90-07772-9	CLAMP, CABLE BASE				1	2																
33	90-07772-10	CLAMP, CABLE TOP				1	2																
34	90-06037-2	SCREW, FLAT HEAD #8-32 x 3/8 LG SST				1	2																
35	C-IA-7408008-0-0	FILLER PLATE				1	2																
36	1209379	PIN, CONNECTOR				8	16																
37	1209350-09	HOUSING, CONNECTOR				1	2																
38	C-IA-7408010-0-0	GAUGE, HUB				A	PA/R																
39	C-MD-1209830	ARM, PANEL SUPPORT				2	2																
40	1209926	BUSHING, OIL IMPREGNATED BRONZE				4	8																
41	1209917	SPRING, COMPRESSION				2	4																
42	C-MD-7408287-0-0	GUARD PLATE				1	2																
43	90-06024-1	SCR, PH HD PAN #6-32 x 1/2 SST				2	4																
44	90-06793	SPACER 3/16AF X 3/16LG #6 HOLE AL				2	4																
TITLE PANEL FRONT ASSEMBLY				ASSY NO. E-AD-7006320-0-0		SIZE CODE A PL		NUMBER 7006320-0-0				REV. L		ECO NO. TU56-00064									
				SHEET 2 OF 2		DIST. G																	

DEC FORM NO. DRA 110

MASTER DRAWING LIST

MAINTENANCE MANUALS		UNIT VARIATIONS												
		H716-Ø	H716-A	H716-B	H716-C	H716-D								
NO.	TITLE	X	X	X	X	X								
H716-Ø	H716 P/S													

USED ON OPTIONS												
ADØ1												

REV. DATE	APP.D.	NO.	CHG. NO.	PS		DRN.	DATE	<div style="display: flex; align-items: center;"> <div style="font-size: 2em; font-weight: bold; margin-right: 5px;">digital</div> <div style="text-align: left;">EQUIPMENT CORPORATION</div> </div> <small>MAYNARD, MASSACHUSETTS</small>				
	A	9/71	00003	PS	PS	G FLANDERS	7/27/71					
	A	9/71	00003	PS	PS	CHK'D	DATE	TITLE				
	A	9/71	00003	PS	PS	EDG.	DATE	H716 POWER SUPPLY				
						PROF. ENG.	DATE	SIZE	CODE	NUMBER	REV.	
						PHD.	DATE	A	ML	H716-Ø	A	
						FIRST USED ON		SHEET	1	OF	2	
								DIST.				

DRA 131

Dec 16-(325)-1048-N471

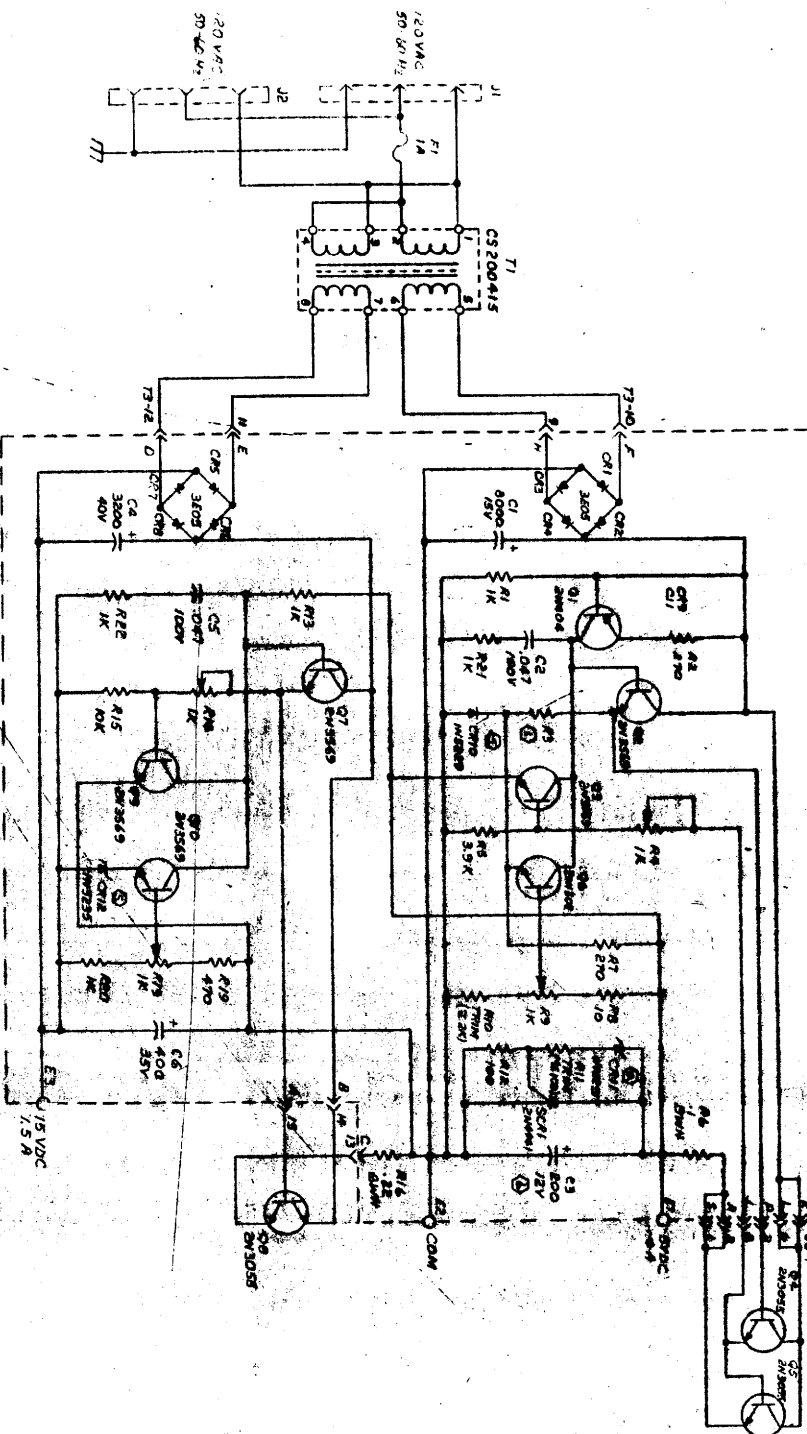
PRINT SET						DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.		
H716-Ø												
X						C-CS-3009282-0-0	B	1	H-716 P.S.			
X						D-UA-H716-Ø-Ø		2	POWER SUPPLY H716			
X						A-PL-H716-Ø-Ø		2	POWER SUPPLY H716			
X						A-PS-3009282-0-0	C	7	H716 POWER SUPPLY			
X						A-SP-H716-Ø-1		2	MODIFICATION PROCEDURE FOR H716			
TITLE						H716 POWER SUPPLY			SHEET	2	OF	2
									SIZE	CODE	NUMBER	REV.
									A	ML	H716-Ø	A

DRA 132

DEC 16 (325) 1048 1 N471

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REVISED	DATE	BY
1	3009282-0001	
REDRAWN & REVISED		



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- NOTES:
- ① R3 IS A TRIM VALUE RESISTOR WITH AN APPROX VALUE OF "OPEN".
 - ② ALL RESISTANCE VALUES ARE EXPRESS IN OHMS.
 - ③ ALL RESISTORS ARE FILLED COMPOSITION 1/2 W, ±10%.
 - ④ ALL CAPACITOR VALUES ARE EX PRESSED IN MICROFARADS.
 - ⑤ CR10 MAY BE MOTOROLA NO. SE15A77-2 OR MAY BE MOTOROLA NO. SE15A77-4.
 - ⑥ CAPACITORS C3 MAY BE TANTALUM 47UF 6.3V.
 - ⑦ RESISTANCE VALUE FOR R10 & R11 MAY BE CHANGED DURING FINAL TEST.

FIRST USED ON OPTION/QUIP.		QTY.	DESCRIPTION	PART NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DATE	BY	DATE	BY
ALL DIMENSIONS	3/20/73	W. J. T. / J. M. S.	3/20/73	W. J. T. / J. M. S.
DECIMALS	ANGLES	DRAWN BY: W. J. T. / J. M. S.		
24" ± .001	30° ±'	CHECKED BY: W. J. T. / J. M. S.		
X ± .1		DATE: 3/20/73		
MATERIALS				
MATERIALS LIST				
SCALE: NONE				
SHEET 1 OF 1				
FORM	CODE	NUMBER	REV.	
	DCS	3009282-0-0	C	

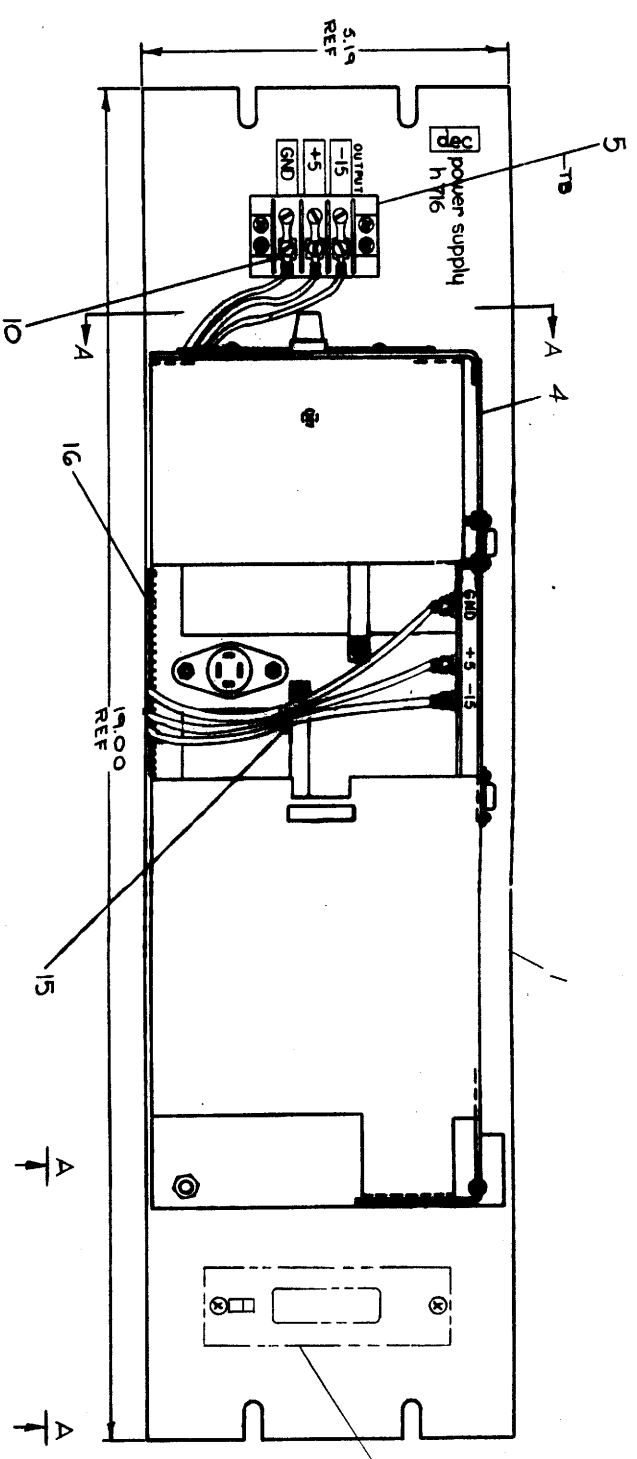
H-716PS.

DCS3009282-0-0

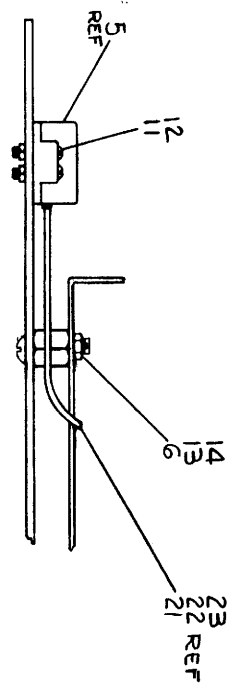
LEGEND

NUMBER	VARIATION
H716-φ	WANTLESS P.S WITH 110V RECEPTACLE
H716-A	H716 WITH 230V RECEPTACLE
H716-B	19"H716 (115V RECEPTACLE)
H716-C	H716-B WITH OUTPUT RELAY SWITCHED FROM +5V (115V)
H716-D	H716-B WITH 230V RECEPTACLE

NOTES:
 1. FOR H716-A OR H716-D (230V) 1. REMOVE EXISTING DECAL AND ADD NEW DECAL (ITEM # 25).



SEE VIEW A-A SHEET # 2.



PRINTED ON 20/10/1960
 ADD 1

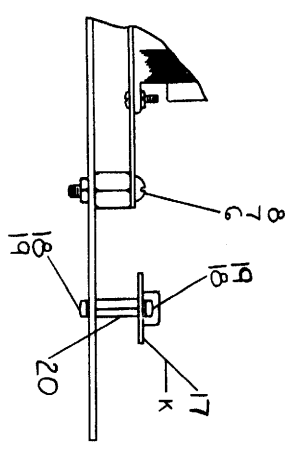
POWER SUPPLY H716	
EQUIPMENT CORPORATION	
PART NO.	REV.
H716-0-0	1

REV.	CHANGE NO.	REVISIONS

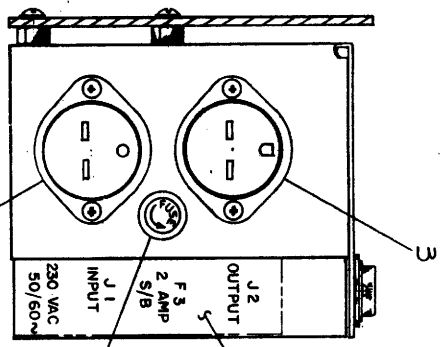
1110 Drawing and specifications herein are the property of the manufacturer and are not to be reproduced or copied or used in whole or in part in any manner without the express written consent of the manufacturer.

WIRE TABLE H716-B&D				
ITEM NO.	DESCRIPTION	FROM CONNECTION	WITH	TO CONNECTION
23	18	BLK	PS-GND	10
21	18	RED	PS-+5	10
22	18	BLU	PS--15	10

WIRE TABLE H716-C				
ITEM NO.	DESCRIPTION	FROM CONNECTION	WITH	TO CONNECTION
23	18	BLK	PS-GND	26
21	18	RED	PS-+5	26
22	18	BLU	PS--15	26



VIEW A-A
FOR H716-C



SECTION A-A
SCALE: 1/1

REV.	CHANGE NO.	REVISIONS

FIRST USED ON OPTION/MODEL		DATE LIST	PART NO.
DIN		DATE	NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DATE	REV.
TOLERANCES		DATE	
DECIMALS	ANGLES	DATE	
.XX - .006	± 0° 30'	DATE	
.XX - .02		DATE	
.X - .1		DATE	
REMOVE BURRS AND BREAK SHARP CORNERS BEFORE ASSEMBLY		DATE	
MATERIAL		DATE	
NEXT HIGHER ASSY.		DATE	
FINISH		DATE	
SCALE 2 OF 2		DATE	
SHEET		DATE	

POWER SUPPLY
H716

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Lewis</i>		SECTION																
DATE 7-22-71		DATE 8-27-71		1																
ENG <i>P. Sargent</i>		PROD <i>Gene Strough</i>		ISSUED SECT.																
DATE 8/27/71		DATE 9/2/71		1																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			H716-Ø	H716-A	H716-B	H716-C	H716-D											
1	D-IA-7408142-0-0	MOUNTING PANFL H716			-	-	1	-	-											
1	D-IA-7408142-1-0	MOUNTING PANEL H716			-	-	-	1	-											
1	D-IA-7408142-2-0	MOUNTING PANEL H716			-	-	-	-	1											
2	9007216	2 AMP S.B. FUSE			-	1	-	-	1											
3	9008470	FEMALE A.C. CONN			-	1	1	1	1											
4	3009282	H716 POWER SUPPLY			1	1	-	-	1											
5	9007631	TERM STRIP #3-541 JONES			-	-	1	1	1											
6	9006829	SPACER 1/2 AF X 3/8 LG #10 HOLE			-	-	3	3	3											
7	9006027-1	SCR PHL HD PAN 6-32 X 7/8 LG			-	-	2	2	2											
8	9006860	NUT KEPS #6-32			-	-	2	2	2											
9	9007917	CONN SLDS ARK. #50902			-	-	3	3	3											
10	9007929	CONN SLDS ARE. #50321			-	-	3	3	3											
11	9006041-1	SCR PHL HD 8-32 X 3/4 LG			-	-	4	4	4											
12	9006563	NUT KEPS 8-32			-	-	4	4	4											
13	9006076-1	SCR PH HD 10-32 X 7/8 LG			-	-	1	1	1											
14	9006565	NUT KEPS #10-32			-	-	1	1	1											
15	9007031	TIE WRAP #SST-1-B			-	-	A/RA	RA/R												
16	9007622	CATAPILLAR GROMMET			-	-	A/RA	RA/R												
17	C-IA-5408857-0-0	+15V POWER SEQUENCING BD			-	-	-	1	-											
18	9006022-1	SCR PHL HD 6-32 X 3/8 LG			-	-	-	4	-											
19	9006633	WASHER INT TOOTH #6			-	-	-	4	-											
20	9006857	SPACER 1/4 AF X 5/8 LG 6-32			-	-	-	2	-											
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-Ø-Ø		SIZE CODE A PL		NUMBER H716-Ø-Ø			REV.			ECO NO.						
SHEET 1 OF 2				DIST. 6																

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Lewis</i>		SECTION																
DATE 7-22-71		DATE 8-27-71		1																
ENG <i>P. Sargent</i>		PROD <i>Gene Strough</i>		ISSUED SECT.																
DATE 8/27/71		DATE 9/2/71		1																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			H716-Ø	H716-A	H716-B	H716-C	H716-D											
21	9107360-22	18 AWG WIRE INSULATED RED			-	-	A/RA	RA/R												
22	9107360-66	18 AWG WIRE INSULATED BLU			-	-	A/RA	RA/R												
23	9107360-00	18 AWG WIRE INSULATED BLK			-	-	A/RA	RA/R												
24	9008854	MALE AC CONNECTOR INLET FLG'D			-	1	-	-	1											
25	A-DC-5309717-0-0	DECAL, POWER H716 (230V)			-	1	-	-	1											
26	9007919	CONN SLDS ARK 50906			-	-	-	2	-											
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-Ø-Ø		SIZE CODE A PL		NUMBER H716-Ø-Ø			REV.			ECO NO.						
SHEET 2 OF 2				DIST.																

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

IGITAL CORPORATION
EQUIPMENT PURCHASE SPECIFICATION

Number	Rev
30-09282	C

7716 POWER SUPPLY

MECHANICAL

1. Maximum Dimensions 5-1/4 H x 4-1/8 W x 12 D. Must mount on right end of DDC H911 Mounting Panel.
2. See attaching and sketch. Size attaching via arrow unit size (or equivalent) connected with an inner size (or equivalent) in parallel.
3. Rear panel to be mounted in rear panel. Sheet metal construction to be sufficiently rigid to sustain without damage normal shipping shocks when pivoted to an H911 Mounting Panel mounted in DDC standard 19" cabinet.
4. Electrical connections (low voltage) by Pascon Amp #42117-2 terminals. Solder fastens and nut clips to rivets on both sides of P/C board.

ELECTRICAL

1. Inputs 47-63 Hz. (Normally supplied wire) for 117 V, may be replaced by transformer tap connections, 105-150 V, 117 nominal, 210-260 V, 234 V. Nominal.
2. Output 15 0 volts (ad adjustable over range of 4.5 to 5.5) 4 3%. Overvoltage protection threshold at 6-6.5 with a response time of 10-30 microseconds. Maximum voltage not to exceed 7 V.
3. Output 21 -15 volts ± 5% at 0-1.5 amp MAXIMUM. Line-load ripple total regulation 5%.
4. Above specifications over temperature 0-55°C ambient.
5. Sheet #7 is AC Protection Bracket.

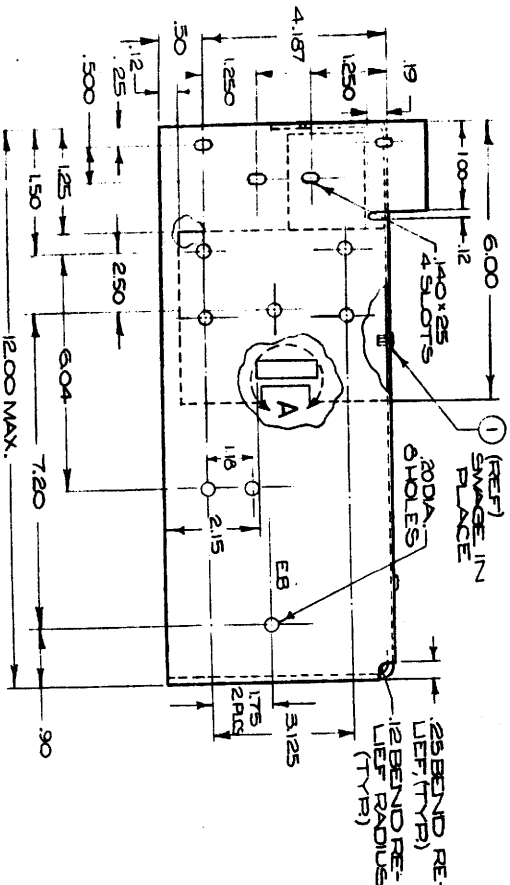
FIRST FIELD NO: 7002, 0008
D.E.C. PART NO. 30-09282

Date	1/6/69	
Revisions		
Change No.	A1 SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. NEMY 10/22/70	
B1	APPENDIX CHANGED TO APPROX UNIT NO. H911. DIMENSIONS CHANGED.	
C1	CHANGED DIMENSIONS FOR REFINISHED AS SHOWN ON SHEET B OF '71.	
Drawn	J.C. MERRY R. NEMY	
Checked	G.C. MERRY R. NEMY	
QC	R. NEMY	
Approved	R. NEMY	
TITLE:	R 716 POWER SUPPLY	
Unless other specified use:		
Fractions	Denominators	Angles
#	#	#
Sheet 1 of 2	Scale	
Number	Rev	C
30-09282		100-4-83

IGITAL CORPORATION
EQUIPMENT PURCHASE SPECIFICATION

Number	Rev
30-09282	C

Date 1/8/69



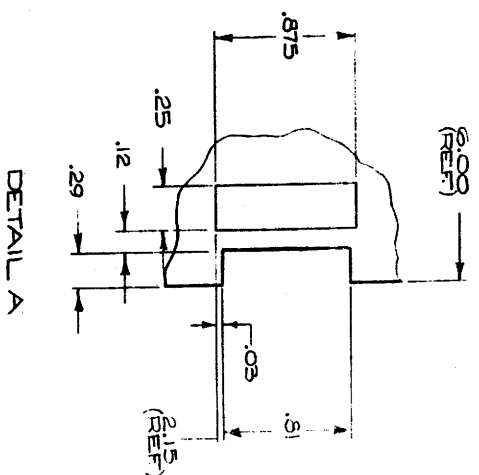
D.E.C. PART NO. 30-09282

Sheet 2 of 7	Scale	#
Number	Rev	C
30-09282		

IGITAL CORPORATION
EQUIPMENT PURCHASE SPECIFICATION

Number	Rev
30-09282	C

Date 1/7/69

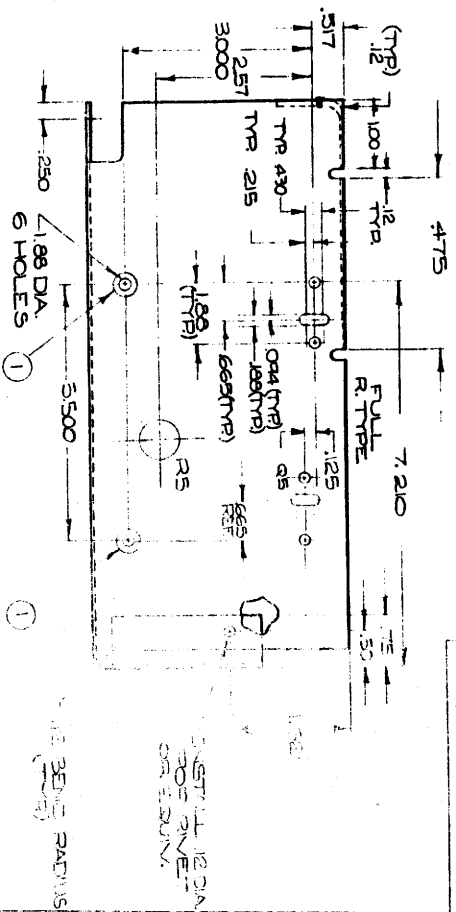


D.E.C. PART NO. 30-09282

Sheet 1 of 2	Scale	
Number	Rev	C
30-09282		

IGITAL CORPORATION
EQUIPMENT PURCHASE SPECIFICATION

Number	Rev
30-09282	C



D.E.C. PART NO. 30-09282

Sheet 2 of 7	Scale	#
Number	Rev	C
30-09282		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST					QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Conroy</i>		SECTION	H716-Ø	H716-A	H716-B	H716-C	H716-D												
DATE 7-22-71	DATE 8-27-71	1																			
ENG <i>P.J. Sweeney</i>	PROD <i>Gene Stinger</i>	ISSUED SECT.																			
DATE 8/27/71	DATE 9/2/71	1																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																			
1	D-IA-7408142-0-0	MOUNTING PANFL H716			-	-	1	-	-												
2	D-IA-7408142-1-0	MOUNTING PANEL H716			-	-	-	1	-												
1	D-IA-7408142-2-0	MOUNTING PANEL H716			-	-	-	-	1												
2	9007216	2 AMP S.B. FUSE			-	1	-	-	1												
3	9008470	FEMALE A.C. CONN			-	1	1	1	1												
4	3009282	H716 POWER SUPPLY			1	1	-	-	1												
5	9007631	TERM STRIP #3-541 JONES			-	-	1	1	1												
6	9006829	SPACER ½ AF X 3/8 LG #10 HOLE			-	-	3	3	3												
7	9006027-1	SCR PHL HD PAN 6-32 X 7/8 LG			-	-	2	2	2												
8	9006860	NUT KEPS #6-32			-	-	2	2	2												
9	9007917	CONN SLDS ARK. #50902			-	-	3	3	3												
10	9007929	CONN SLDS ARK. #50321			-	-	3	3	3												
11	9006041-1	SCR PHL HD 8-32 X 3/4 LG			-	-	4	4	4												
12	9006563	NUT KEPS 8-32			-	-	4	4	4												
13	9006076-1	SCR PH HD 10-32 X 7/8 LG			-	-	1	1	1												
14	9006565	NUT KEPS #10-32			-	-	1	1	1												
15	9007031	TIE WRAP #SST-1-B			-	-	A/RA	RA/R													
16	9007622	CATAPILLAR GROMMET			-	-	A/RA	RA/R													
17	C-IA-5408857-0-0	+15V POWER SEQUENCING BD			-	-	-	1	-												
18	9006022-1	SCR PHL HD 6-32 X 3/8 LG			-	-	-	4	-												
19	9006633	WASHER INT TOOTH #6			-	-	-	4	-												
20	9006857	SPACER ¼ AF X 5/8 LG 6-32			-	-	-	2	-												
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-Ø-Ø	SIZE CODE A PL	NUMBER H716-Ø-Ø				REV.	ECO NO.										
SHEET 1 OF 2				DIST. 6																	

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST					QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Conroy</i>		SECTION	H716-Ø	H716-A	H716-B	H716-C	H716-D												
DATE 7-22-71	DATE 8-27-71	1																			
ENG <i>P.J. Sweeney</i>	PROD <i>Gene Stinger</i>	ISSUED SECT.																			
DATE 8/27/71	DATE 9/2/71	1																			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																			
21	9107360-22	18 AWG WIRE INSULATED RED			-	-	A/RA	RA/R													
22	9107360-66	18 AWG WIRE INSULATED BLU			-	-	A/RA	RA/R													
23	9107360-00	18 AWG WIRE INSULATED BLK			-	-	A/RA	RA/R													
24	9008854	MALE AC CONNECTOR INLET FLG'D			-	1	-	-	1												
25	A-DC-5309717-0-0	DECAL, POWER H716 (230V)			-	1	-	-	1												
26	9007919	CONN SLDS ARK 50906			-	-	-	2	-												
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-Ø-Ø	SIZE CODE A PL	NUMBER H716-Ø-Ø				REV.	ECO NO.										
SHEET 2 OF 2				DIST.																	

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

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DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DATE 2/18/71

TITLE Modification Procedure for H716

REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG'D <i>David Spibbi</i>	APPR'D <i>Stanley</i>	SIZE A	CODE SP	NUMBER H716-0-1	REV
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DEC FORM NO. DRA 107A SHEET 1 OF 2

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE Modification Procedure for H716

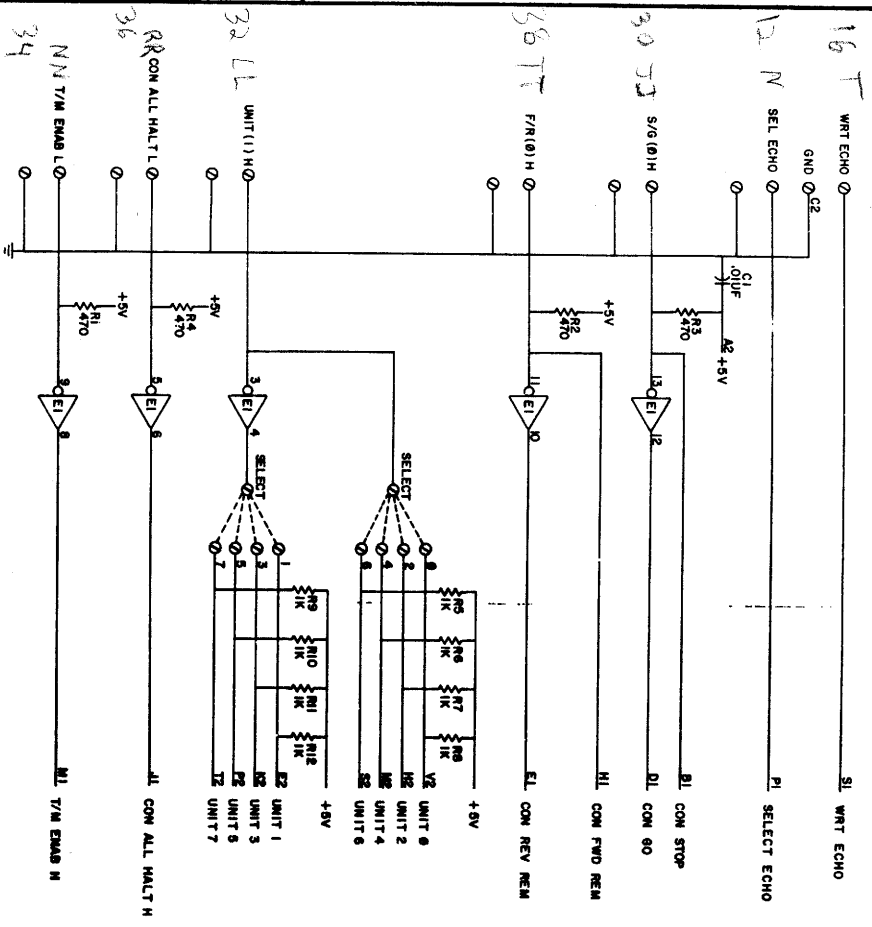
Incorporate the following modifications to change an H716 power supply to an H716-A or an H716-D power supply.

- 1) Replace the male AC power connector with DEC Part #90-8834
- 2) Replace the female AC power connector with DEC Part #90-8470
- 3) Replace the 3 amp S/B AC input fuse with DEC Part #90-7216
- 4) Replace existing decal with new decal DEC Part # 5309717
- 5) Change the following jumpers on the transformer:

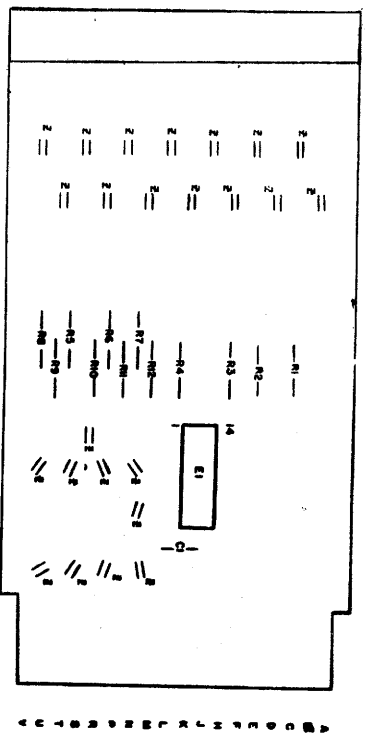
Delete	From	To
	Terminal 1	Terminal 3
	Terminal 2	Terminal 4
Add 18 AWG	Terminal 2	Terminal 3

DEC FORM NO. DRA 108	SIZE A	CODE SP	NUMBER H716-0-1	REV
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SHEET 2 OF 2

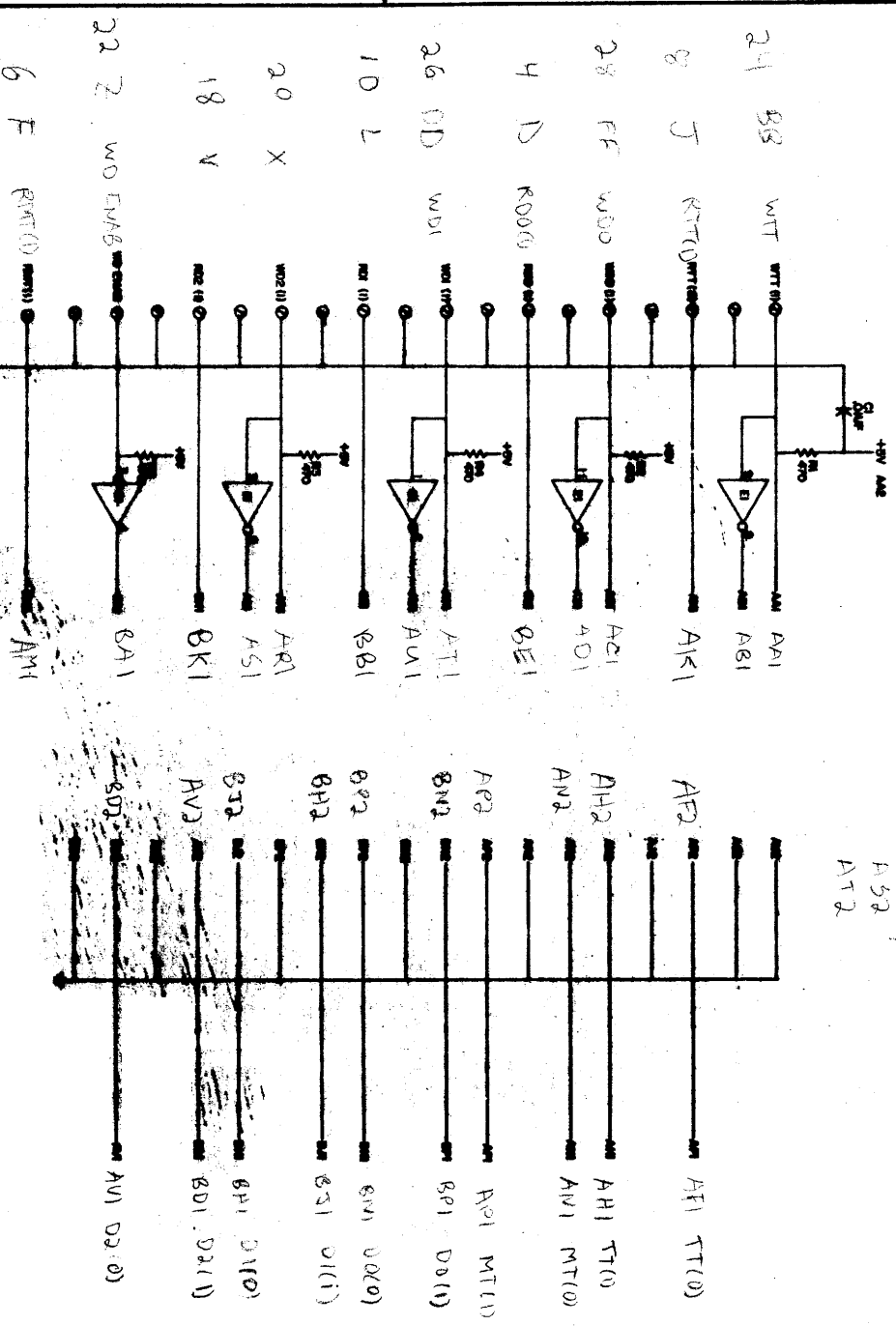


○---○ INDICATES OPTIONAL JUMPERS

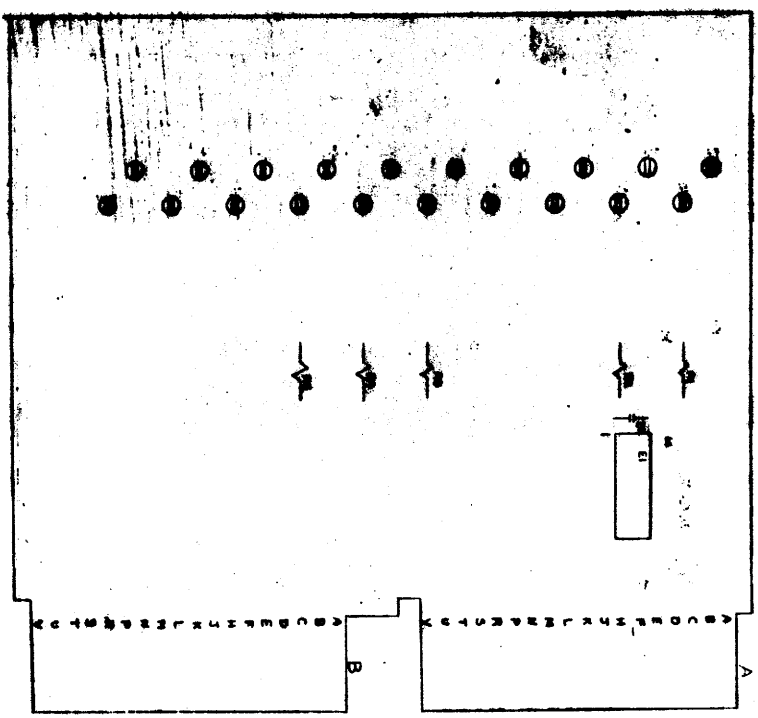


NO.	DESCRIPTION	QUANTITY	REVISION
1	REVISION 1	1	1
2	REVISION 2	1	2
3	REVISION 3	1	3
4	REVISION 4	1	4
5	REVISION 5	1	5
6	REVISION 6	1	6
7	REVISION 7	1	7
8	REVISION 8	1	8
9	REVISION 9	1	9
10	REVISION 10	1	10
11	REVISION 11	1	11
12	REVISION 12	1	12
13	REVISION 13	1	13
14	REVISION 14	1	14
15	REVISION 15	1	15
16	REVISION 16	1	16
17	REVISION 17	1	17
18	REVISION 18	1	18
19	REVISION 19	1	19
20	REVISION 20	1	20

NO.	DESCRIPTION	QUANTITY	REVISION
1	REVISION 1	1	1
2	REVISION 2	1	2
3	REVISION 3	1	3
4	REVISION 4	1	4
5	REVISION 5	1	5
6	REVISION 6	1	6
7	REVISION 7	1	7
8	REVISION 8	1	8
9	REVISION 9	1	9
10	REVISION 10	1	10
11	REVISION 11	1	11
12	REVISION 12	1	12
13	REVISION 13	1	13
14	REVISION 14	1	14
15	REVISION 15	1	15
16	REVISION 16	1	16
17	REVISION 17	1	17
18	REVISION 18	1	18
19	REVISION 19	1	19
20	REVISION 20	1	20



61000005
 AC2 BE2
 AK2 BL2
 AS2
 AT2



NO.	DESCRIPTION	QTY	UNIT	REMARKS
1
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32

DATA CABLE CONNECTOR

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				LEGEND		QUANTITY / VARIATION												
ACCESSORY LIST				D	DOCUMENT													
MADE BY J. McCluskey		CHECKED <i>J. McCluskey</i>		SECTION		PA	PAPER TAPE ASCII					KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE	
DATE 4/7/72		DATE 4/7/72				PB	PAPER TAPE BINARY											
ENG <i>J. McCluskey</i>		PROD <i>J. McCluskey</i>		ISSUED SECT.		PM	PAPER TAPE READ-IN-MODE											
DATE 4/7/72		DATE 4/7/72																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION					TD8-E	TD8-E-H	TD8-E-J	TD8-E-M	TD8-E-R							
1	M868	Simple DecTape Control					1	1	1	1	1							
2	70-08447	DecTape Control Cable					1	1	1	1	1							
3	TU56-MH	Single Tape Transport					0	1	0	0	0							
4	TU56-MJ	Single Tape Transport (Table Top)					0	0	1	0	0							
5	TU56-M	Dual Tape Transport					0	0	0	1	0							
6	TU56-MR	Dual Tape Transport (Table Top)					0	0	0	0	1							
7	A-ML-TU56	TU56 Print Set					0	1	1	1	1							
8	TU56	TU56 Maintenance Manual					0	1	1	1	1							
9	Dec-8E-EUZA-DAND-PB	TD8E Dectape Formatter (Document & Papertape)					1	1	1	1	1							
10	Dec-8E-D3A-DAND-PB	TD8-E Diagnostic					1	1	1	1	1							
11	Dec-8E-UZTA-DAND-PB	Read/Write Subroutine					1	1	1	1	1							
12	A-ML-TD8-E	TD8-E Print Set					1	1	1	1	1							
13	Dec-8-E-HR3B-D-TD8-E	TD8-E Maintenance Manual					1	1	1	1	1							
		Note 1 - When shipping a TD8-E-U also ship 1 certified Dectape and 1 empty reel also 1 cleaning kit, mounting plate and hardware. On note 1 & 2 refer to TU56 accessory list for part NO.																
		Note 2 - When shipping a TD8-E-JER also ship a certified Dectape and 2 empty reels. Also 1 cleaning kit, mounting plate and hardware.																

TITLE SIMPLE DECTAPE CONTROL		ASSY. NO.	SIZE CODE A AL	NUMBER TD8-E-8	REV.	ECO NO
SHEET 1 OF 2			DIST.			

DEC 16-(325)-1075-N172 DRA 121

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				LEGEND		QUANTITY / VARIATION												
ACCESSORY LIST				D	DOCUMENT													
MADE BY J. McCluskey		CHECKED <i>J. McCluskey</i>		SECTION		PA	PAPER TAPE ASCII					KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE	
DATE 4/7/72		DATE 4/7/72				PB	PAPER TAPE BINARY											
ENG <i>J. McCluskey</i>		PROD <i>J. McCluskey</i>		ISSUED SECT.		PM	PAPER TAPE READ-IN-MODE											
DATE 4/7/72		DATE 4/7/72																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																
		Note 3 - If system is 110 use 1 H716-B Power supply																
		If system is 220 use 1 H716-D Power supply																

TITLE SIMPLE DECTAPE CONTROL		ASSY. NO.	SIZE CODE A AL	NUMBER TD8-E-8	REV.	ECO NO
SHEET 2 OF 2			DIST.			

DEC 16-(325)-1075-N172 DRA 121

DIGITAL EQUIPMENT CORPORATION WORLD-WIDE SALES AND SERVICE

146 Main Street, Merrimack, Massachusetts U.S.A. 01754
 Telephone: From Merrimack, Massachusetts: 646-6600 • Elsewhere: (617) 897-5111
 TWX: 710-324-6912 Cable: DIGITAL MAIN Telefax: 94-6667

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REGIONAL OFFICE
 225 Plymouth Street, Waltham, Massachusetts 02154
 Telephone: (617) 890-0330/0330 TWX: 710-324-6919

WALTHAM
 15 Littleton Street, Waltham, Massachusetts 02154
 Telephone: (617) 891-1000 TWX: 710-324-6919

CAMBRIDGE/BOSTON
 889 Main Street, Cambridge, Massachusetts 02139
 Telephone: (617) 491-6130 TWX: 710-320-1167

ROCHESTER
 130 Alliance Creek Road, Rochester, New York 14618
 Telephone: (716) 461-1700 TWX: 710-253-3078

CONNECTICUT
 240 Perryway Ave., Meriden, Conn. 06450
 Telephone: (203) 232-1441/1766 TWX: 710-461-0054

MID-ATLANTIC --- SOUTHEAST
REGIONAL OFFICE:
 U.S. House 1, Princeton, New Jersey 08540
 Telephone: (609) 462-2900 TWX: 510-665-2338

NEW YORK
 95 Cedar Lane, Englewood, New Jersey 07631
 Telephone: (201) 971-4964, (212) 594-6935, (212) 736-6417
 TWX: 710-891-9121

NEW JERSEY
 1236 Route 46, Parsippany, New Jersey 07054
 Telephone: (201) 353-3530 TWX: 710-967-6319

PRINCETON
 U.S. House 1
 Princeton, New Jersey 08540
 Telephone: (609) 462-2900 TWX: 510-665-2338

LONG ISLAND
 1 Huntington Quadrangle
 Suite 1307, Huntington Station, New York 11746
 Telephone: (516) 584-4101, (512) 985-9835

PHILADELPHIA
 Station Square Three, Paoli, Pennsylvania 19301
 Telephone: (215) 967-4680/4410 Telefax: 510-668-8335

WASHINGTON
 Executive Building
 8811 Kenilworth, Maryland 20840
 Telephone: (301) 726-1600/752-9797 TWX: 710-926-9662

DURHAM/CHARPPE HILL
 2204 Chapel Hill Boulevard
 Durham, North Carolina 27707
 Telephone: (919) 469-3391 TWX: 510-927-6912

ORLANDO
 Suite 350, 0001 Lake Eleanor Drive, Orlando, Florida 32809
 Telephone: (305) 851-4459 TWX: 810-890-0190

ATLANTA
 2813 Greenview Place, Suite 100,
 Atlanta, Georgia 30340
 Telephone: (404) 451-3734/3735/3736 TWX: 810-457-4223

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 Digital Equipment S.A.R.L.
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 327 Rue de Charonne, 75 Paris 12^e arr.
 Telephone: 344 76 07 Telefax: 21339

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 Digital Equipment GmbH
MUNICH
 8 Muenchen 13, Wallensteinplatz 2
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NETHERLANDS
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