

TD8-E
DECtape control
engineering drawings

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DEC	PDP
FLIP CHIP	FOCAL
DIGITAL	COMPUTER LAB

MASTER DRAWING LIST

MAINTENANCE MANUALS		UNIT VARIATIONS																		
		TDS-E	TDS-EH	TDS-EJ	TDS-EK	TDS-EL	TDS-EM	TDS-EN	TDS-EO	TDS-EP	TDS-EQ									
NO.	TITLE																			
	TDS-E DECTAPE CONTROL	X	X	X	X	X														

USED ON OPTIONS							
PDP8/E							

REVISIONS	APP'D.	<i>[Signature]</i>			DRN.	K. RUSS	DATE	81871	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS			
	CHG. NO.	00001	00002		CHK'D.	<i>[Signature]</i>	DATE	8-25-71				
	DATE	12-71	00001			<i>[Signature]</i>	DATE	8/26/71	TITLE DECTAPE CONTROL			
	REV.	A	B		PROJ. ENG.	<i>[Signature]</i>	DATE	8/26/71				
					MOD.	<i>[Signature]</i>	DATE	8-20-71	SIZE	CODE	NUMBER	REV.
						FIRST USED ON	PDP8/E	A	ML	TDS-E	B	
					SCALE	#	A	ML	TDS-E	B		

DRA 131

Dec 16-(325)-1048-N471

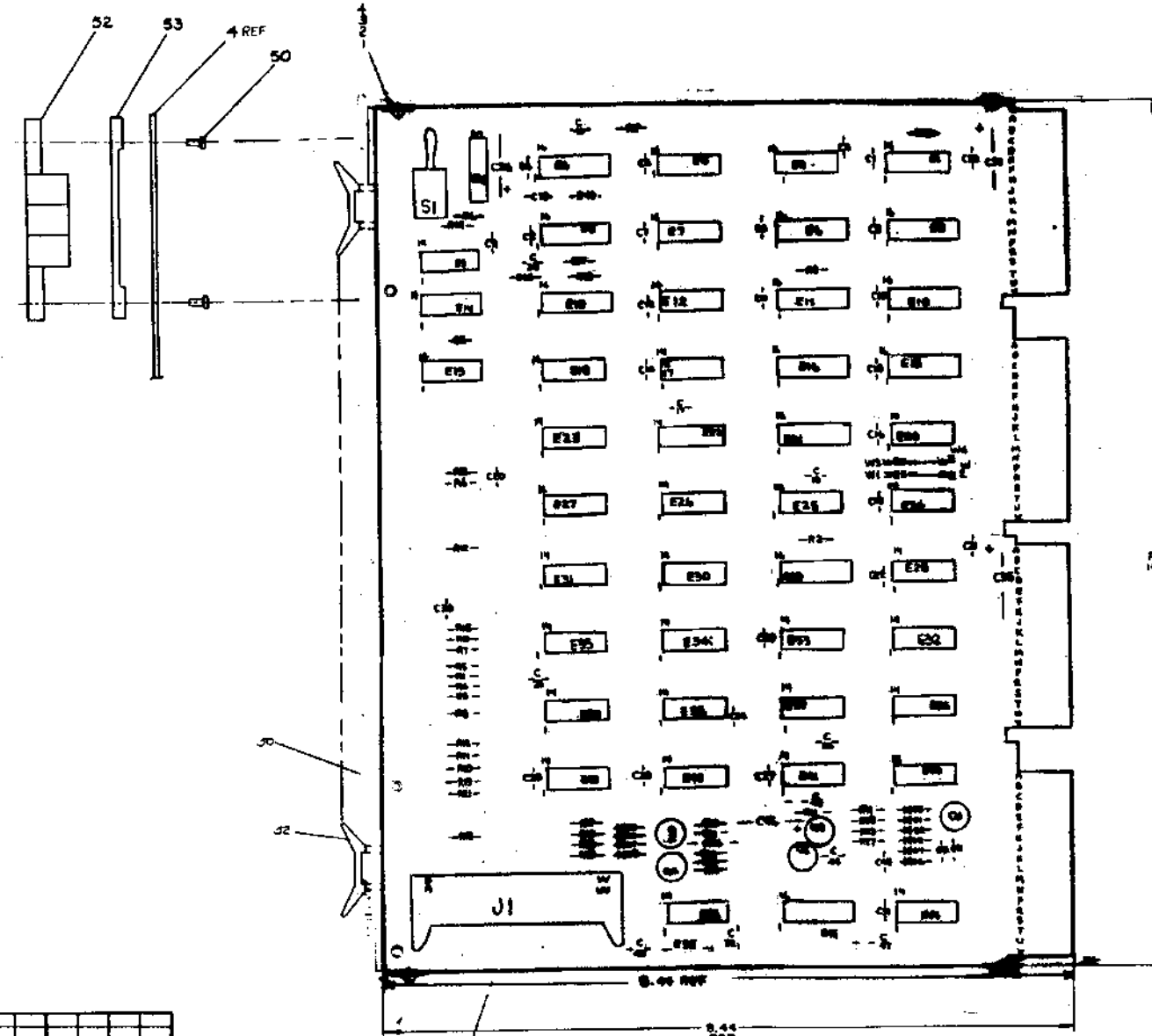
PRINT SET					DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.			
TDS-E												
X					E-CS-M868-0-1	REF	3	SIMPLE DECTAPE CONTROL				
X					D-TD-TDS-E-4		4	TDS-E TIMING DIAGRAM				
X					D-IA-7008447-0-0	A	2	TDS-E CONTROL CABLE				
X					A-PL-TDS-E-0	A	1	TDS-E PARTS LIST				
X					D-AR-TDS-E-2	A	1	TDS-E CONFIGURATION				
X					D-IC-TDS-E-3	B	2	POWER WIRING				
C					A-ML-TU56-0		2	DECTAPE TU56				
C					A-ML-H716-0		2	H716 POWER SUPPLY				
-					A-SP-TDS-E-5		9	ENGINEERING SPECIFICATION				
-					A-SP-TDS-E-6	B	3	TDS-E ACCEPTANCE PROCEDURE				
-					A-SP-TDS-E-7		7	CHECKOUT PROCEDURE				
X					D-CS-M960-0-1	REF	1	COMMAND CABLE CONN				
X					D-CS-M961-0-1	REF	1	DATA CABLE CONN				
X					A-AI-TDS-E-8		1	ACCESSORY LIST				
TITLE					DECTAPE CONTROL		SHEET	2 OF 2	SIZE	CODE	NUMBER	REV.
							A	ML	TDS-E	B		

DRA 132

DEC 16 (325) 1048-1-N471

DCI, CCI, OCI
 ACI, BC1, DC1, EC1
 FC1, GC1, HC1, IC1
 JC1, KC1, LC1, MC1
 NC1, OC1, PC1, QC1
 RC1, SC1, TC1, UC1
 VC1, WC1, XC1, YC1
 ZC1

IC DEC 74123	8	16
IC DEC 8235	8	16
IC DEC 9384	7	8
IC DEC 9371	8	16
IC DEC 9351	8	16
IC DEC 9383	1	8
IC DEC 9383	10	8
IC DEC 9375	12	8
IC DEC 9375	12	8

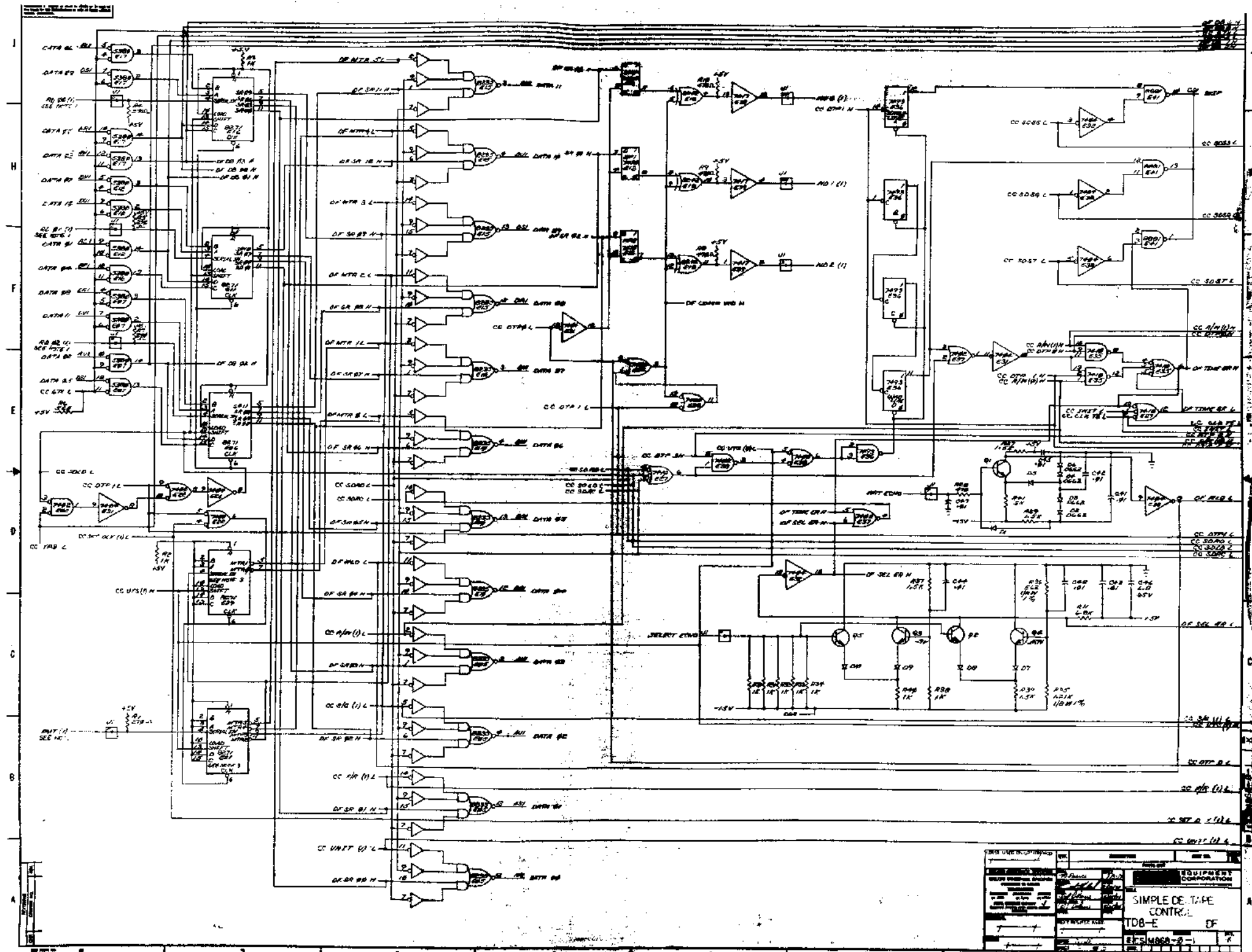


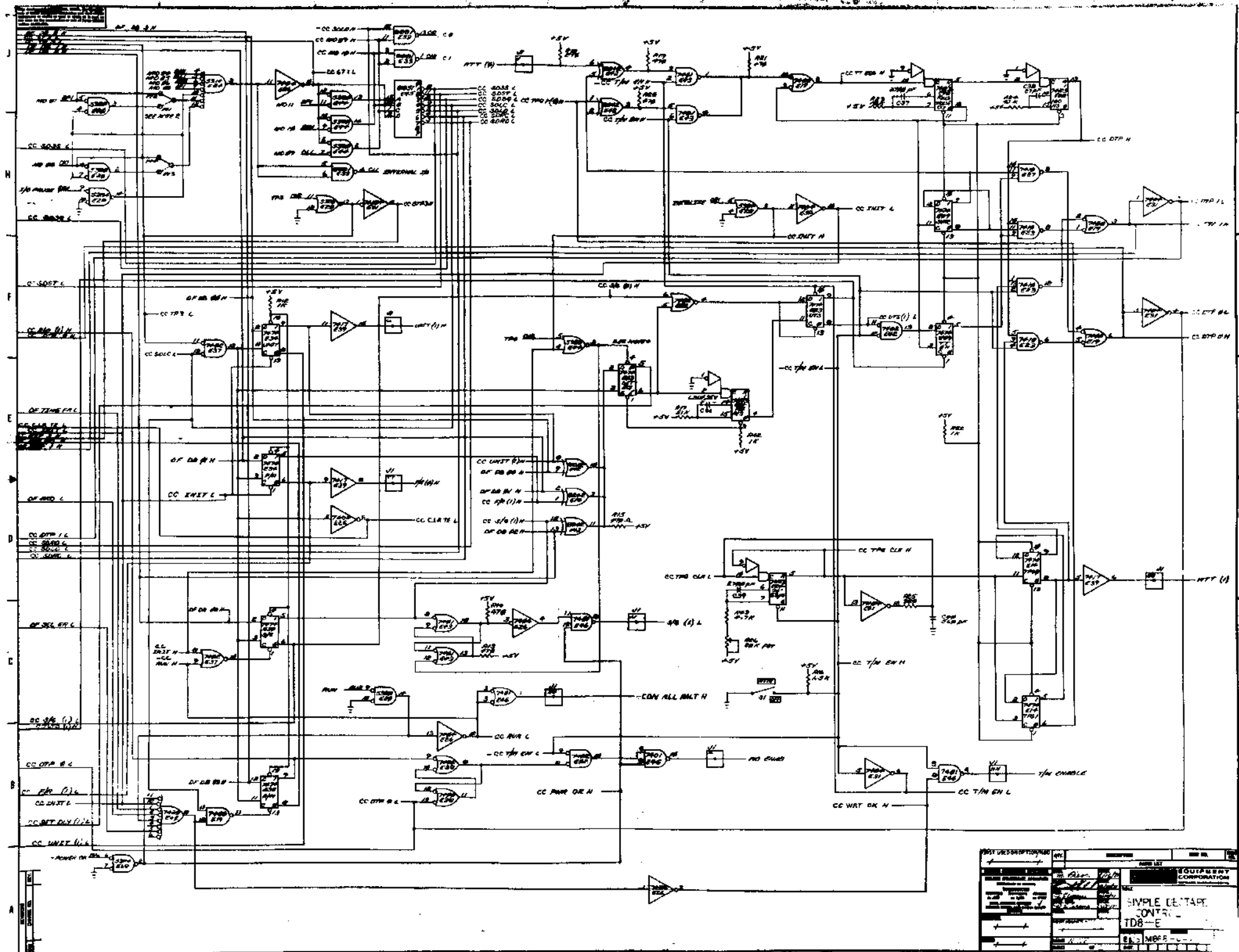
WEEK CASE (CONTROLLER BOARD) PARTS (GROUPS OR SPEC)
 121 141
 121 141
 121 141
 121 141

ALL PARTS TO BE ORDERED BY 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000

QTY	W1, W2, W3, W4	NOTE #22 AND SOLID BUS	707560-01	QTY
4		SPACER (CABLE CLAMP)	1201709	53
4		HANDLE FLIP CHIP-MAGENTA	900853708	58
6		SPLIT LUGS M-1033	9006755	51
8		EYELET 6541 STIMPSON	9006750	50
2	E8, E4	IC DEC 74123	1910436	49
3	E8, E10, E18	IC DEC 8235	1909935	48
1	E1	IC DEC 74104	1909931	47
1	E39	IC DEC 7417	1909929	46
2	E42, E15	IC DEC 8242	1909712	45
2	E35, E41	IC DEC 9381	1909703	44
1	E24	IC DEC 9314 Serdip 5	1910391	43
3	E32, E28, E31	IC DEC 7404	1909686	42
5	E6, E11, E16, E29	IC DEC 8271	1909675	41
1	E45	IC DEC 8251	1909594	40
1	E28	IC DEC 9384 Serdip 5	1910394	39
5	E20, E44, E7, E17	IC DEC 9350 Serdip 5	1910392	38
1	E36	IC DEC 7493	1909059	37
1	E15	IC DEC 7475	1909050	36
2	E2, E37	IC DEC 7402	1909004	35
2	E43, E46	IC DEC 7401	1908680	34
1	E40	IC DEC 7430	1908578	33
3	E8, E27, E23	IC DEC 7410	1908576	32
3	E22, E38, E9	IC DEC 7400	1908478	31
5	E3, E30, E34, E34	IC DEC 7474	1715547	30
5	Q1 THRU Q5	TRANSISTOR DEC 6531	1709358	29
2	R4, R43	RES 4.7K 1/4W 5%	1300447	28
1	R6	RES-POT 20K 10PP MM 102	1301143	27
1	R36	RES 562 1/4W 1% MF	1304493	26
1	R35	RES 1.21K 1/4W 1% MF	1302871	25
1	R17	RES 31K 1/4W 5%	1304889	24
5	R14, R8, R18, R7	RES 270 1/4W 5%	1301142	23
1	R8	RES 560 1/4W 5%	1301840	22
1	R11	RES 6.8K 1/4W 5%	1301423	21
1	R23	RES 10K 1/4W 5%	1300479	20
1	R41	RES 3K 1/4W 5%	1300432	19
5	R2, R37, R39, R27, R29	RES 1.5K 1/4W 5%	1300391	18
10	R2, R3, R30 THRU R34 R36 THRU R39	RES 1K 1/4W 5%	1300365	17
10	R10, R15, R8, R9, R11 R12, R14, R21, R22, R14	RES 470 1/4W 5%	1300216	16
1	R28	RES 220 1/4W 5%	1300271	15
1	S1	SWITCH T8001	1210209	14
1	J1	HEADER, RIGHT ANGLE 40 PIN	1209941	13
6	D1, D5, D7, D8, D9, D10	DIODE D644	1100114	12
4	D2, D3, D4, D6	DIODE D661	1100113	11
3	C46, C54, C55	CAP 6.8MF 35V 20% TANT	1000067	10
1	C36	CAP 6.8MF 35V 10% TANT	1003306	9
5	C37, C39	CAP 2100 PF 100V 5% DM	1001637	8
40	C1 THRU C33 C41-DM-42, C47, C49	CAP 0.1MF 100V 20% DISC	1000610	7
1	C40	CAP 500PF 100V 5% DM	1000028	6
1	C38	CAP 27 PF 100V 5% DM	1001759	5
1		ETCHED CIRCUIT BOARD	5009685	4
REF		MODULE ECO HISTORY	89M-H868-B-1	3
REF		ASSY/DRILLING HOLE LAYOUT	DAH-H868-B-1	2
REF		X-Y COORDINATE HOLE LOCATIONS	KCD-H868-B-1	1

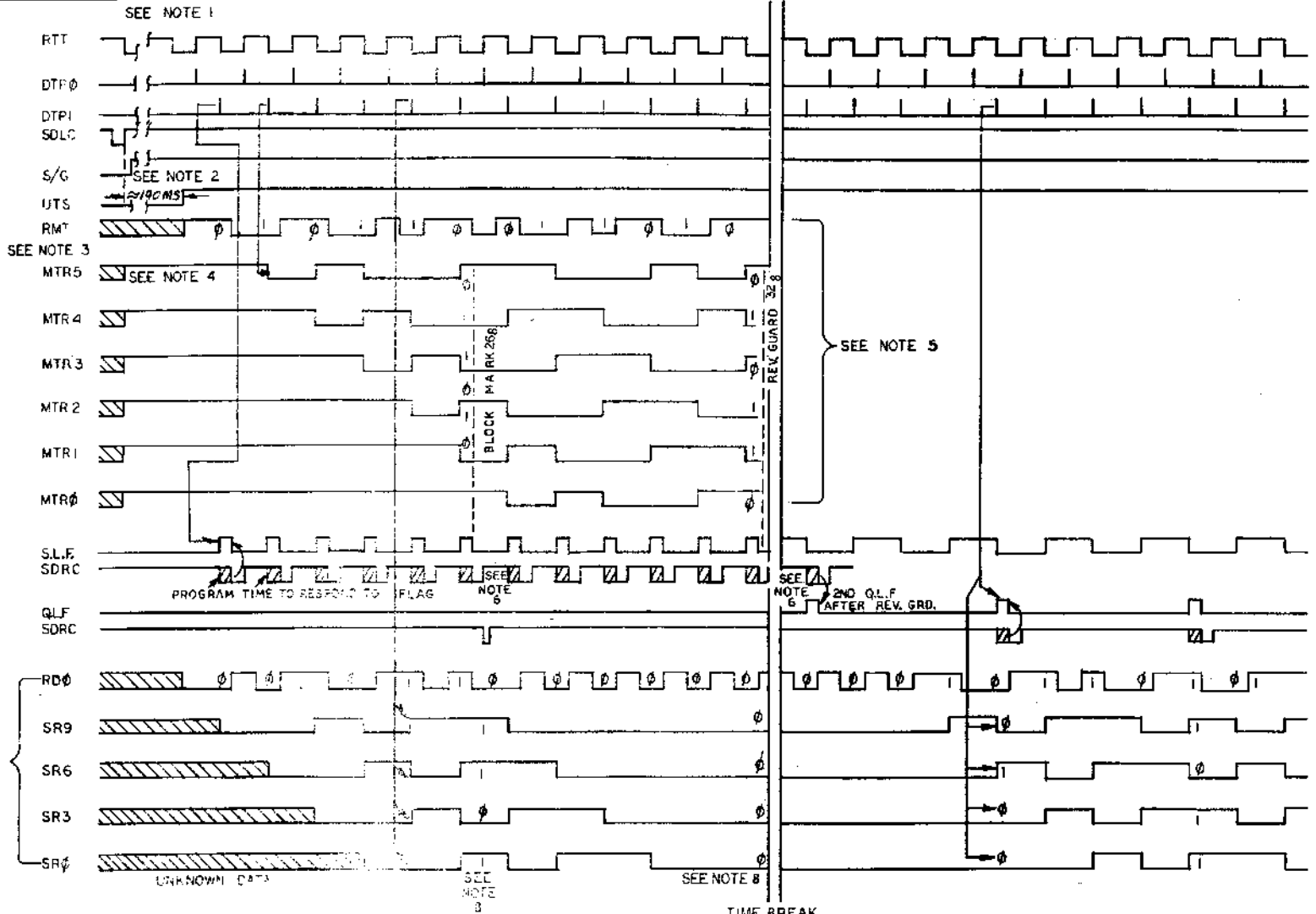
EQUIPMENT
 CONTROL
 DEC 631
 1000000





PART LIST (Blank table with columns for part number, description, and quantity)		DATE: _____ DRAWN BY: _____ CHECKED BY: _____
TITLE: SIMPLE DENTAP. CONTR. TD8-E		COMPANY: EQUILIBRIUM CORPORATION ADDRESS: _____ CITY: _____ STATE: _____
DESIGNER: E.L. MOSE		DATE: 1965

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- 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 INSTRUCTIONS.
 - 2 THE GO SIGNAL IS SWITCH ON BY THE COMPUTER TPA, TO ALLOW SETTLING OF THE UNIT SELECT LINES. THE UNIT, DIRECTION, AND READ COMMANDS ARE SET BY THIS SDLC.
 - 3 THE INPUTS TO AND OUTPUTS FROM THE MARK TRACK REG. ARE REDEFINED. '1' IS A LOW LEVEL.
 - 4 ANY TIME THE UTS DELAY IS STARTED, THE MTR IS SET TO ALL 0'S (HIGH OUTPUT).
 - 5 ONCE THE CORRECT BLOCK AND ITS REV. GUARDED CODES HAVE BEEN FOUND, THE SINGLE LINE FLAGS ARE IGNORED. THE MTR IS NOT LOOKED AT AGAIN UNTIL ANOTHER SEARCH IS STARTED.
 - 6 AT THIS POINT THE COMPLETE MARK TRACK CODE IS IN THE RC. IF IT IS A BLOCK MARK THEN A SDRD IS ISSUED TO READ THE BLOCK NUMBER SO THE PROGRAM CAN TEST TO SEE IF ITS THE ONE WANTED.
 - 7 THE OTHER TWO PARALLEL READ LINES WORK IDENTICALLY TO RD0, SR9, 0, 3, 0. THE FIRST TWO BITS READ UNDER THE BLOCK MARK ARE LOST AS THE BLOCK NO. IS ONLY UNDER THE LAST FOUR BITS OF THE BLOCK MARK. THE REV. GUARD HAS (0) DATA (IN THE FWD DIRECTION).

T = RC

TO READ MARK TRACK AND DATA

Handwritten calculations and notes:

$$\begin{array}{r} 235 \\ 51 \overline{)120.00} \\ \underline{102} \\ 180 \\ \underline{153} \\ 270 \\ \underline{255} \\ 15 \end{array}$$

$$\begin{array}{r} 51 \\ 6.8 \\ \hline 408 \\ 306 \\ \hline 346.8 \end{array}$$

$$\begin{array}{r} 10.6 \\ 10.3 \\ \hline 10.3 \end{array}$$

51

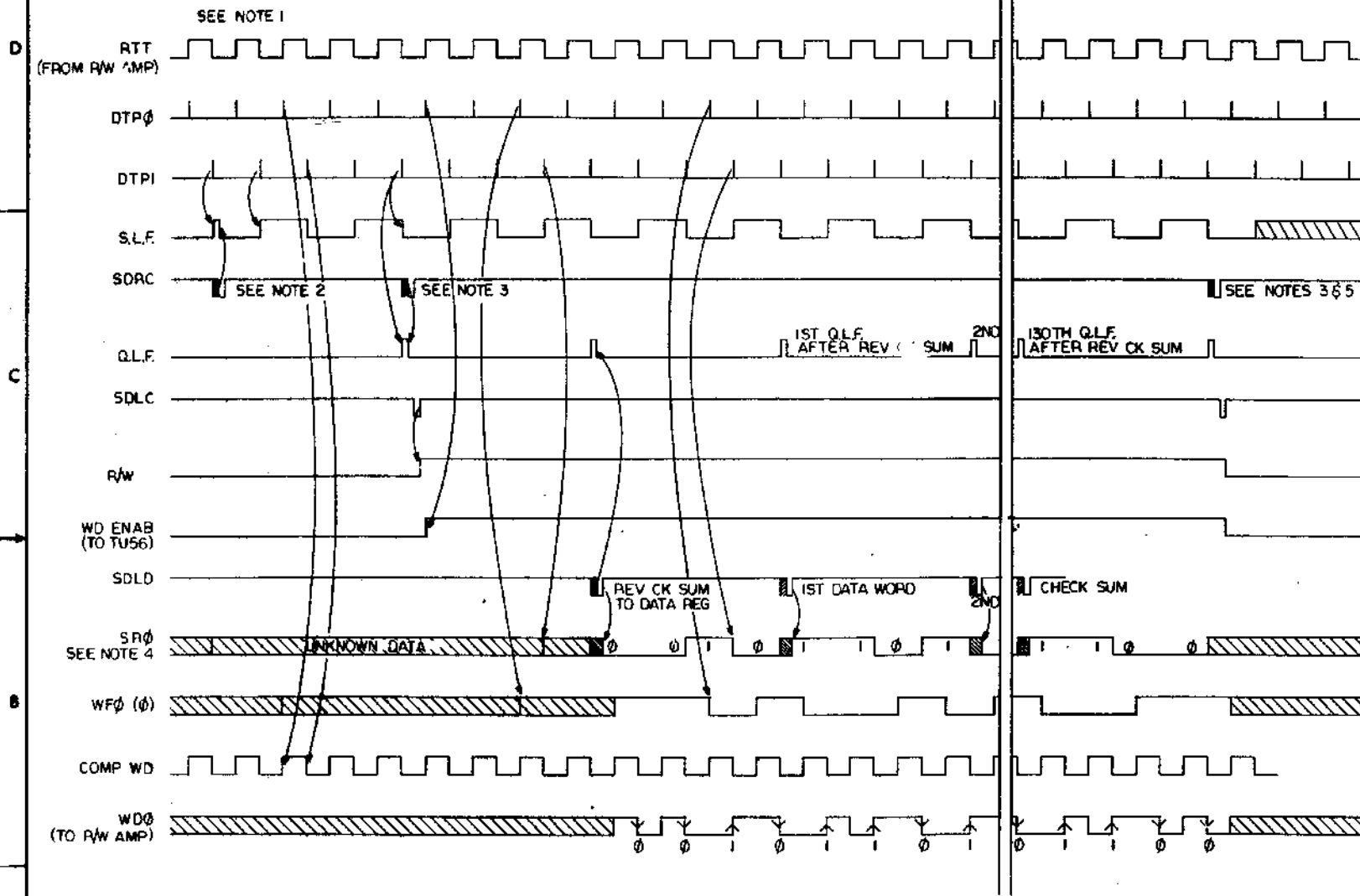
REV.	CHANGED BY	DATE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TDS-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	DATE	DIGITAL EQUIPMENT CORPORATION	
TOLERANCES	DRW. DATE	CHKD. DATE	TITLE	
DECIMALS	ANGLES	DATE	TDS-E	
XXX - .000	1/16"	DATE	TIMING DIAGRAM	
.XX - .02	1/32"	DATE		
.X - .1	1/64"	DATE		
REMOVE DIMS AND BREAK DIMS EXCEPT SURFACE QUALITY	PROD. DATE	DATE		
MATERIAL	R. X. DATE	DATE		
FINISH	NEXT HIGHER ASSY.	DATE		
+	A-ML-TDS-E	DATE	SIZE CODE	NUMBER
+	SCALE	DATE	D/TD	TDS-E-4
+	SHEET	DATE	1 OF 4	REV.

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NOTES:

1. THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY WAY OR A CORRECT WAY TO PROGRAM THE TDB-E FOR READ OR WRITE OPERATIONS. ITS PRIMARY FUNCTION IS TO SHOW WHAT HAPPENS IN THE LOGIC BETWEEN VARIOUS PROGRAMMED INSTRUCTIONS. \square INDICATES COMPUTER RESPONSE TIME.
2. AT THIS POINT THE COMMAND REG IS SET FOR THE CORRECT UNIT, FWD. DIR., SO, READ. THE CORRECT BLACK NO. HAS BEEN FOUND AND AT THIS S.L.F. THE REV. GUARD CODE IS IN THE MT. REG.
3. THIS SDRC LOADS THE STATUS OF THE COM. REG. INTO THE A.C. SO THE WRITE BIT CAN BE PUT IN OR KEPT OUT WITHOUT CHANGING ANY OTHER COM. REG., CONDITION. THIS ALSO CARS THE Q.L.F. AS THE SDLC DOES NOT.
4. THE OTHER 2 PARALLEL WRITE BITS WERE IDENTICAL TO SR ϕ , WFO, AND WDP.
5. AT THIS POINT IF ANY COM. REG. FUNCTION OTHER THAN R/W IS CHANGED, THEN Q.T.S. WILL GO AWAY AND THE TIME PULSES WILL STOP UNTIL U.T.S. DELAY TIMES OUT AND U.T.S. IS SET.



WRITE DATA TIMING

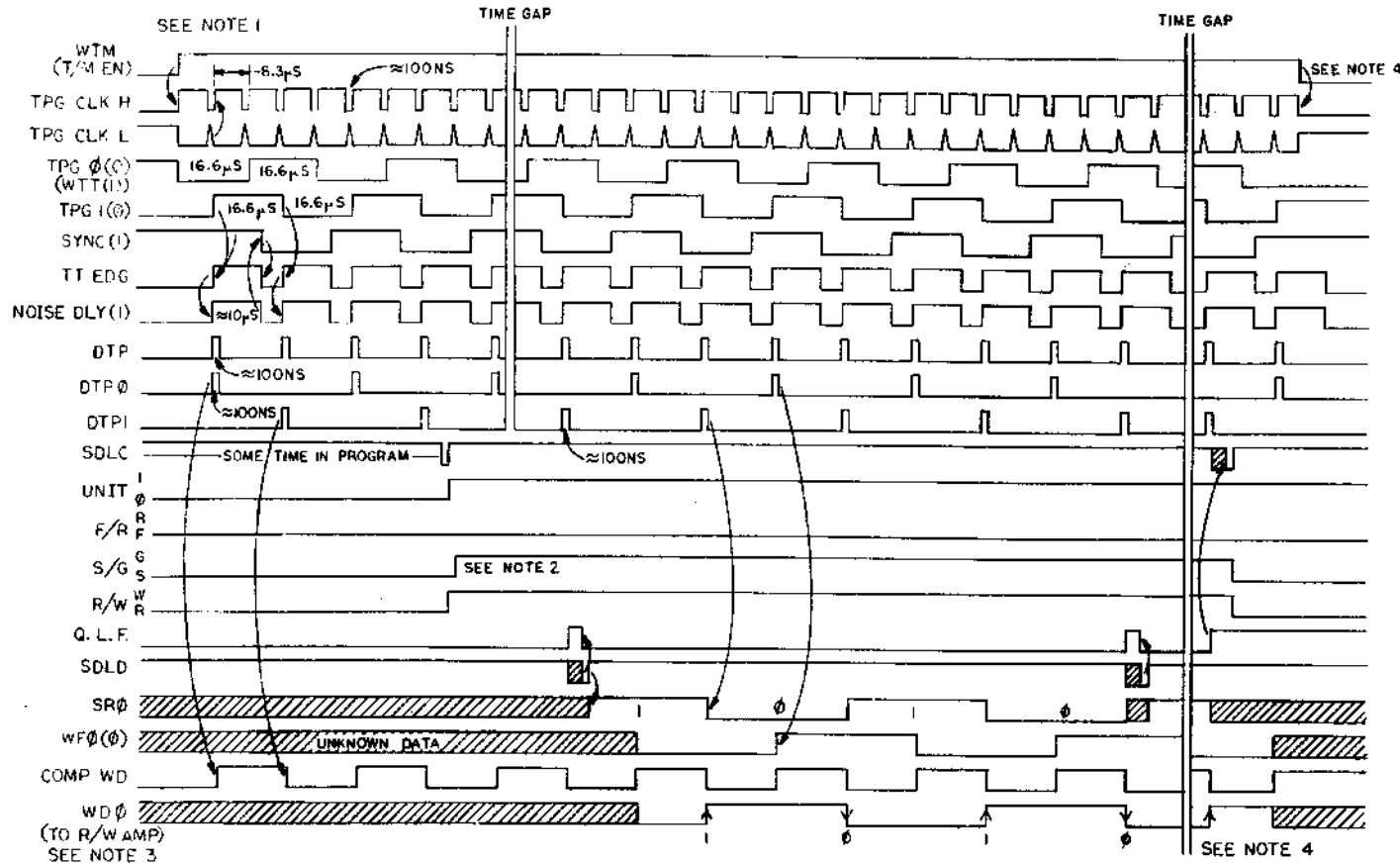
REV.	
CHANGE NO.	
CHK	

FIRST USED IN OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
TDB-E			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES	DRAWN <i>Thom Cooper</i>	DATE 11/16/71	EQUIPMENT CORPORATION
DECIMALS	CHK'D <i>[Signature]</i>	DATE 11/27/71	
ANGLES	DATE <i>[Signature]</i>	DATE <i>[Signature]</i>	
REMOVE BURRS AND BREAK SHARP EDGES SURFACE QUALITY	PROJ. <i>[Signature]</i>	DATE <i>[Signature]</i>	TITLE TDB-E TIMING DIAGRAM
MATERIAL	NEXT HIGHER ASSEMBLY	PROJ. <i>K.K. Oel</i>	DATE 11/23/71
FINISH	A-ML-TDB-E	SCALE NONE	DWG. NO. TDB-E-4
	SHEET 2 OF 4		

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NOTES:

1. THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY WAY OR A CORRECT WAY TO PROGRAM THE TDB-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 TP4 TO ALLOW SETTLING OF THE UNIT SELECT LINES.
3. DURING FORMATTING THE MARK TRACK IS WRITTEN FROM THE BIT 2 LOGIC.
4. 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.

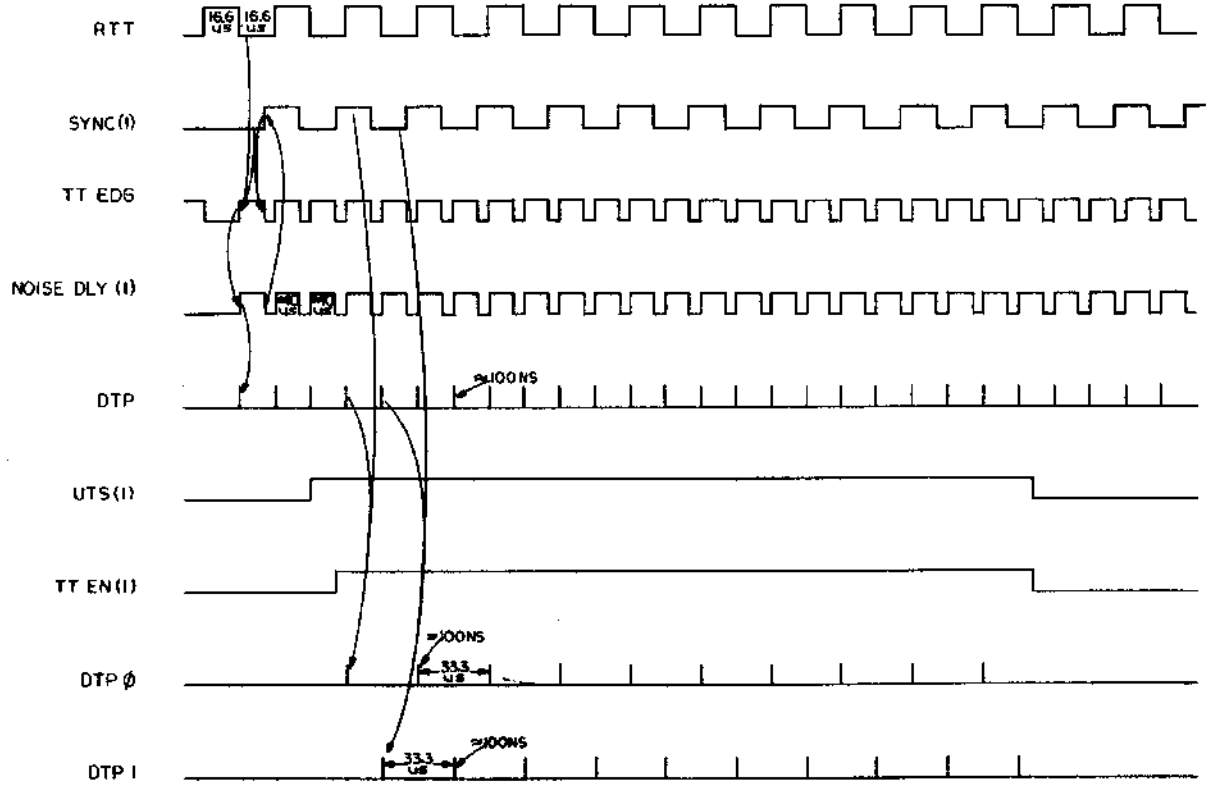


TIMING DIAGRAM FOR WRITING MARK & TIME TRACKS (FORMATTING)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TDB-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED		DRN	DATE	EQUIPMENT CORPORATION
DIMENSION IN INCHES		CHKD	DATE	
TOLERANCES		DRN	DATE	TITLE
DECIMALS	ANGLES	DRN	DATE	
XXX - .00	16° 30'	DRN	DATE	TDB-E TIMING DIAGRAM
.XX - .01	16° 00'	DRN	DATE	
.X - .1	16° 00'	DRN	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DRN	DATE	
MATERIAL		NEXT HIGHER ASST.		SIZE CODE
FINISH		SCALE NONE		NUMBER
		SHEET 3 OF 4		D TD TDB-E-4

REV	CHG	NO.	DATE

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GENERATING TIME PULSES FROM RTT

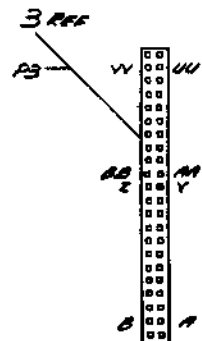
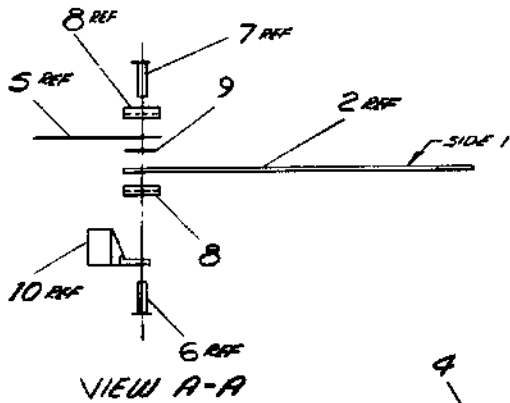
REV	NO
CHANGE NO	
CHK	

REC FORM NO 010 MS-B

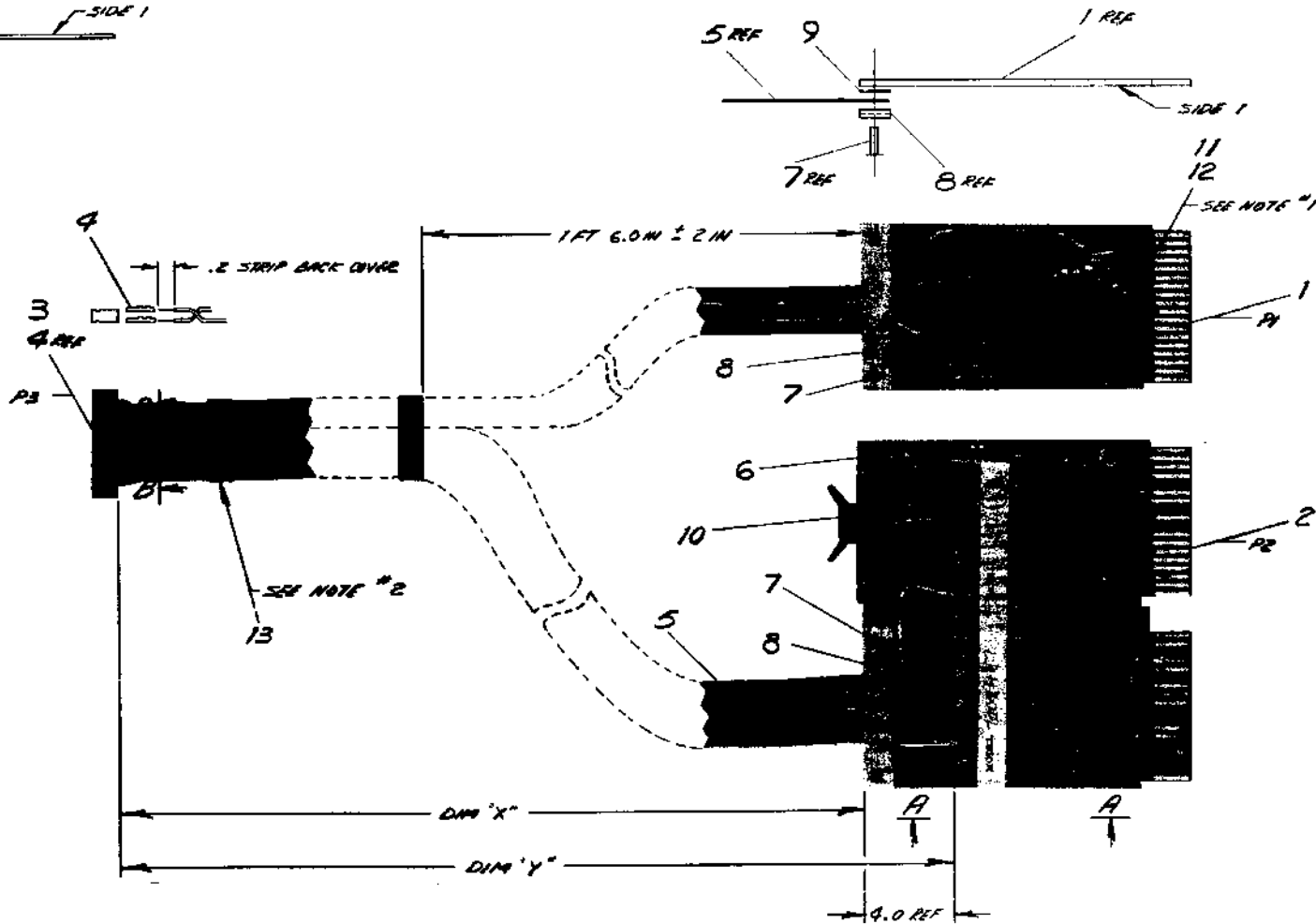
FIRST USED ON OPTIMUM MODEL	QTY.	DESCRIPTION	PART NO.	REV.
TD8-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	DATE	EQUIPMENT CORPORATION	
TOLERANCES	CHK'D	DATE	TITLE	
DECIMALS	ANGLES	DATE	TD8-E	
FRACTIONS	DATE	DATE	TIMING DIAGRAM	
REMOVE BURRS AND BREAK SHARP EDGES SURFACE QUALITY	PROD.	DATE		
MATERIAL	NEXT HIGHER ARMY.			
FINISH	A-ML-TD8-E	SCALE NONE	NUMBER	REV.
			D/TD	TD8-E-4
		SHEET 4 OF 4	DIST.	

DIM TD8-E-4

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VIEW B-B
SCALE - NONE



NUMBER	VARIATION	
	DIM "X"	DIM "Y" PRECUT
7008447-10	10 FT ± .2 IN	10 FT 9 IN ± .3 IN
7008447-15	15 FT ± .3 IN	15 FT 9 IN ± .3 IN

NOTES:

- JUMPERS SHOWN ARE FOR UNITS 0 AND 1 (TDB-E DEVICE CODE 677X) FOR OTHER UNIT SELECTION AND TDB-E DEVICE CODES CHANGE JUMPERS AS FOLLOWS:

DEVICE CODE	SRI JUMPERS
677 X	0 & 1
676 X	2 & 3
675 X	4 & 5
674 X	6 & 7
- TAPE BOTH CABLES (ITEM #5) TOGETHER APPROXIMATELY EVERY 8 INCHES, USING BLACK ELECTRICAL TAPE (ITEM #13)

QTY	DESCRIPTION	PART NO.	ITEM NO.
1/2	TAPE 3/4 X .007 TYP STAIN SS	910756-10	10
1/2	ROBINS TWIN WALL TUBING	910756-10	10
1/2	BUS WIRE #22 AWG	910756-0	11
1	MINIABLE SLIP CAP ASSEMBLY	900893-6	10
1/2	TAPE .03 THK X .30 W X .032	900788-9	9
3	CABLE CLAMP # 940	100270-8	8
4	FRILET # 65-4-7	9006732	7
2	FRILET # 65-4-9	9006746	6
1/2	CABLE BUSHING 20 COND	9107575	5
50	SOCKET, BAY #80LS	1010089-9	8
1	HOUSING, BAY #80BS	1010090-0	3
1	CABLE CONNECTOR	11961	2
1	CABLE CONNECTOR	11960	1

FIRST USED OR OPTION MODEL		QTY	DESCRIPTION	PART NO.	ITEM NO.
7DB-E					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	TITLE			
XXX - .005	1° 30'	CABLE COMMAND & DATA			
XX - .01		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			
X - .1		MATERIAL			
SEE PARTS LIST		NEXT HIGHER ASSY		SIZE CODE	NUMBR
		A-14-705-E-1		DIA	7008447-0-0
FINISH		SCALE	REV.		
		1-1	A		
SHEET 1 OF 2		DST.			

REV	CHANGE NO	BY	DATE
1		ADAMS	11/27/74
2		ADAMS	11/27/74

DRAWING NUMBER DIA 7008447-0-0

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WIRE TABLE

ITEM NO	DESCRIPTION	FROM		TO		REMARKS
		CONDUCTOR	CONNECTION	WITH	CONNECTION	
5	BR	BLK	P1-TM ENBL	SIGNAL	P3-MH	WIRING
		GRN	P1-1 GND		P3-MH	
		BRN	P1-7/2 GN		P3-TT	
		GRN	P1-2 GND		P3-S3	
		YEL	P1-2/2 B H		P3-JJ	
		GRN	P1-3 GND		P3-HH	
		BLU	P1-GRN BL INLT		P3-RR	
		W/O	P1-4 GND		P3-PP	
		GRY	P1-GRN ITT H		P3-LL	
		WHT	P1-5 GND		P3-RK	
		BLK	P1-2/2 EN		P3-N	
		BRN	P1-6 GND		P3-M	
		RED	P1-GRN ENBL		P3-T	
		GRN	P1-7 GND		P3-S	
		BLK	P2-1 GND		P3-AB	
		GRN	P2-INTT		P3-BB	
		RED	P2-2 GND		P3-EE	
		GRN	P2-40B		P3-FF	
		YEL	P2-3 GND		P3-H	
		GRN	P2-RTT		P3-J	
		BLU	P2-9 GND		P3-F	
		W/O	P2-RYT		P3-F	
		GRY	P2-5 GND		P3-W	
		WHT	P2-WDZ		P3-X	
		BLK	P2-6 GND		P3-CC	
		GRN	P2-WD1		P3-DD	
		RED	P2-7 GND		P3-Y	
		GRN	P2-WD ENBL		P3-B	
		YEL	P2-8 GND		P3-K	
		GRN	P2-RD1		P3-L	
		BLU	P2-9 GND		P3-G	
		W/O	P2-RDB		P3-D	
		GRY	P2-10 GND		P3-U	
5	BR	WHT	P2-RDZ	SIGNAL	P3-V	WIRING

FIRST USED ON OPTION/MODEL 708-6	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE 2/25/71	EQUIPMENT CORPORATION		
TOLERANCES	DATE 2/26/71	TITLE		
DECIMALS	ANGLES	CABLE		
XXX - .005	16° 30'	COMMAND & DATA		
XX - .002		DATE 2/26/71		
X - .001		DATE 2/26/71		
REMOVE BURRS AND BREAK SHARP CORNER SURFACE QUALITY	PROD. DATE 2/26/71	MATERIAL		
NEXT HIGHER ASSEMBLY	DATE 2/26/71	FINISH		
SCALE	SIZE CODE	NUMBER	REV.	
SHRINK	DIA 7008447-0-0	A		
SHRINK	2 OF 2			

DIA 7008447-0-0

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

QUANTITY / VARIATION

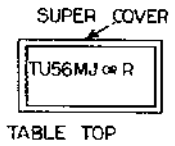
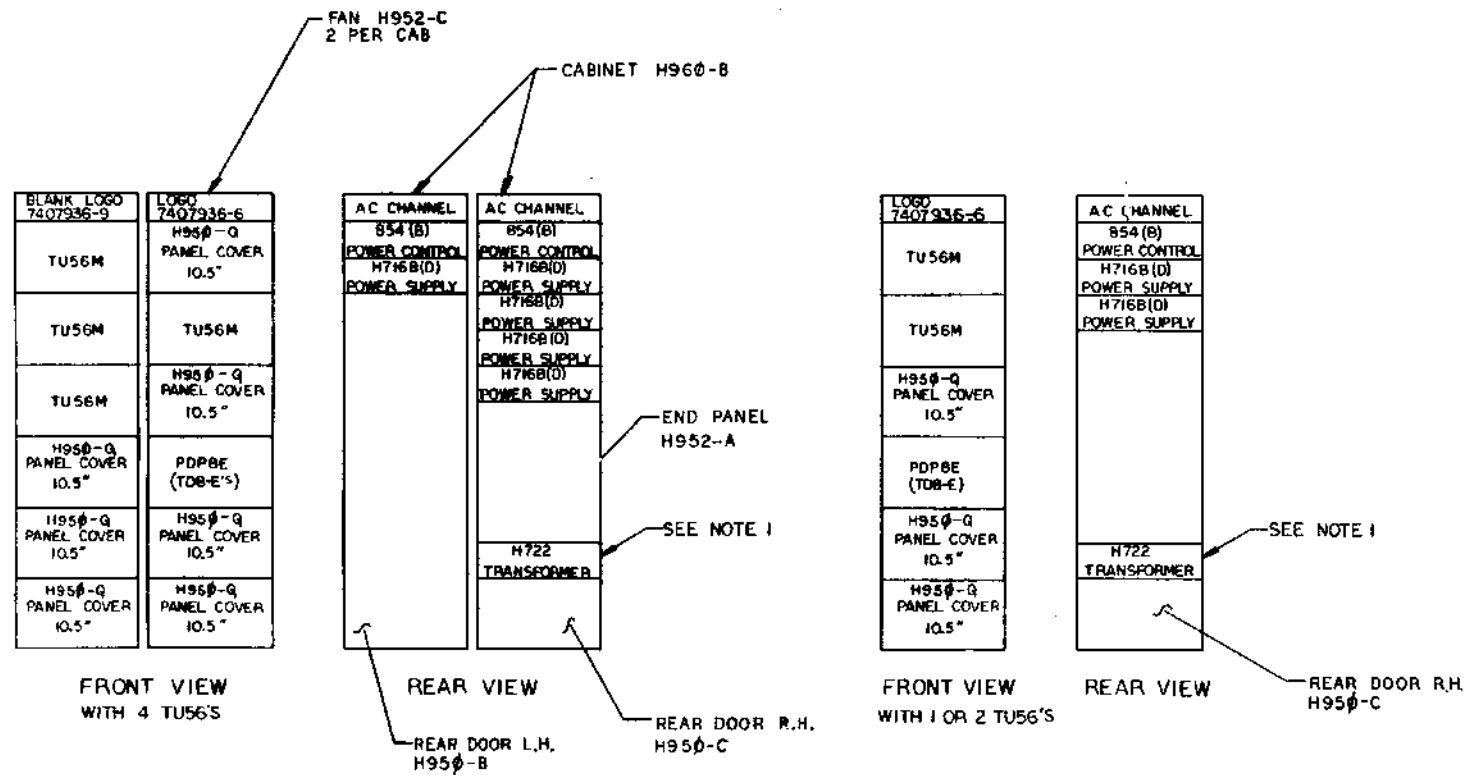
MADE BY K. RUSS	CHECKED <i>J. E. Miller</i>	SECTION
DATE 8-19-71	DATE 8-25-71	1
ENG <i>D. J. Williams</i>	PROD <i>R. K. ...</i>	ISSUED SECT
DATE 8/26/71	DATE 7-30-71	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION																	
			TD8-E	TD8-EH	TD8-EJ	TD8-EM	TD8-ER													
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 1 POWER SUPPLY H716-B (ITEM #4)																				
IF SYSTEM IS 220V USE 1 H716-D POWER SUPPLY (ITEM #4)																				

TITLE TD8-E DECTAPE CONTROL	ASSY NO. NONE	SIZE A	CODE PL	NUMBER TD8-E-Ø	REV. A	ECO NO. TD8E-00001
	SHEET 1 OF 1	DIST. <i>6</i>				

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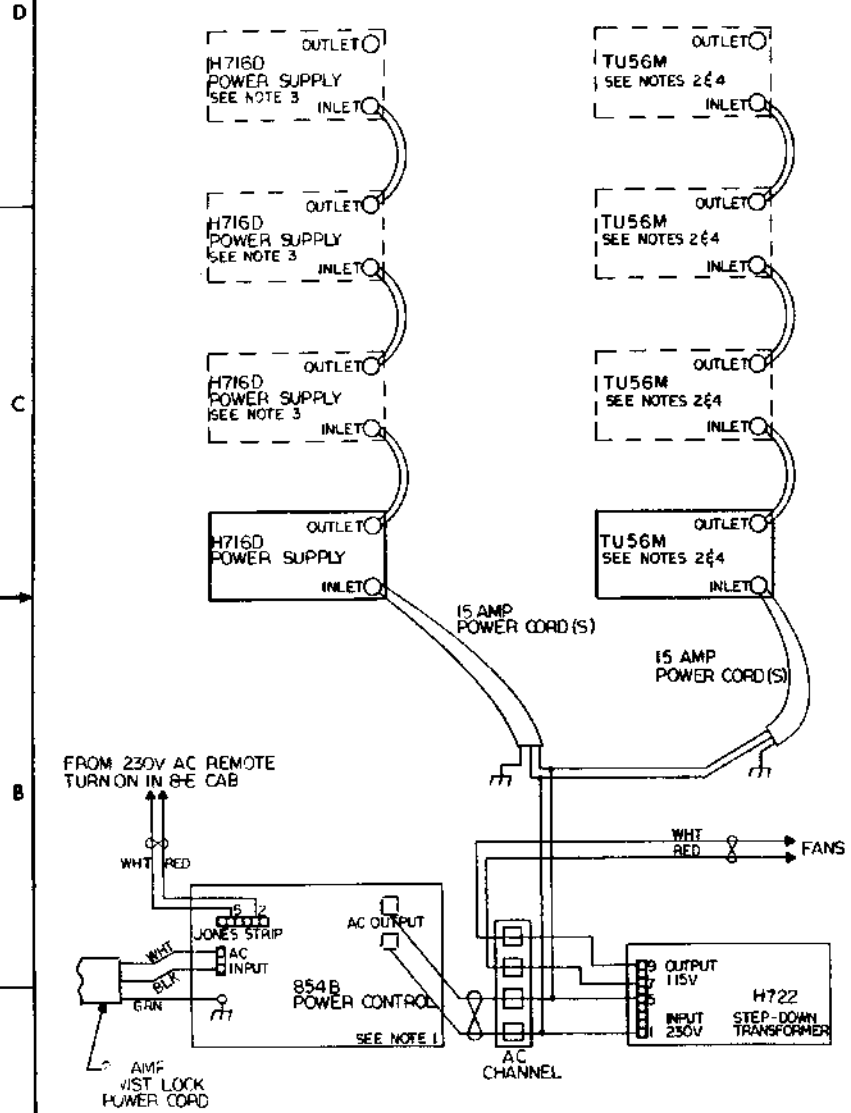
NOTES
 1 H722 IS USED IN 230V AC SYSTEM TO PRODUCE 115V FOR CABINET.



REV.	CHANGE NO.	DATE	BY	CHKD.
A	00001	1-6-72	B ADAMS	

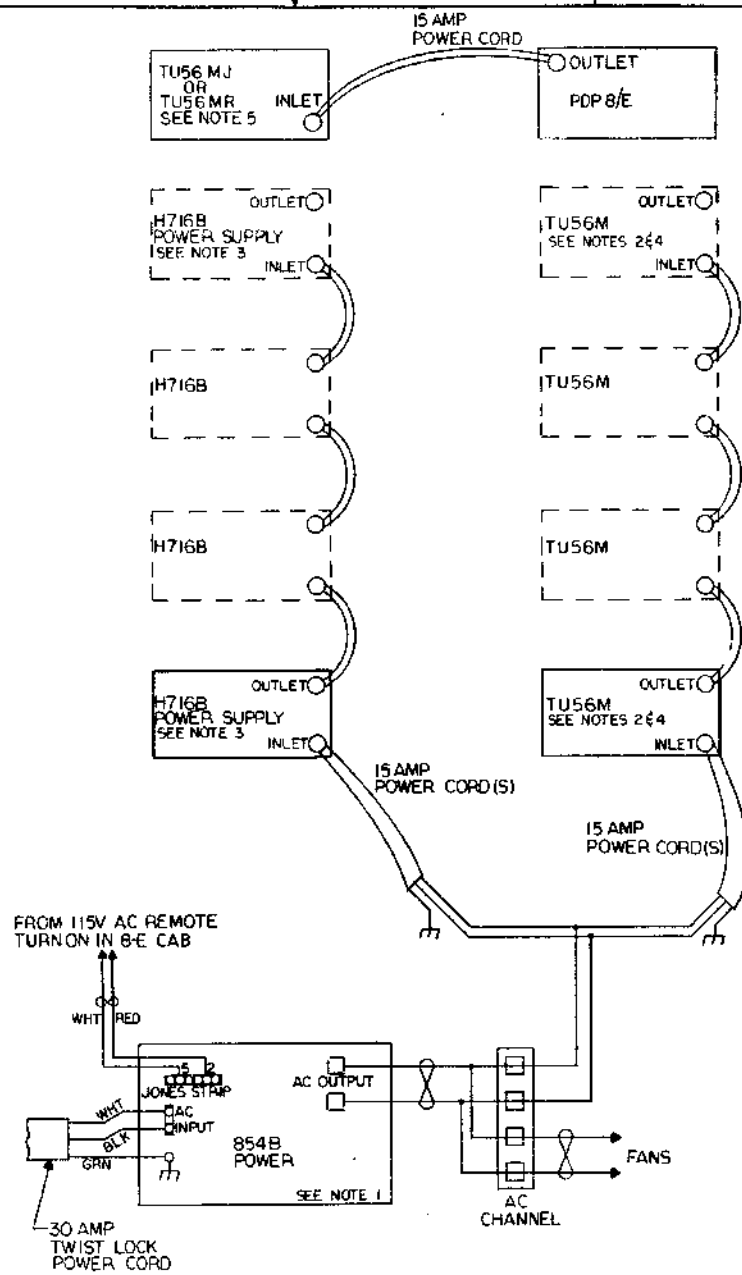
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
T08-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DATE 12-30-72	EQUIPMENT CORPORATION	
DECIMALS	ANGLES	DATE 12-30-72	TITLE T08-E CONFIGURATION	
.XXX ± .005	± 0° 30'	DATE 12-30-72		
.X ± .1		DATE 12-30-72	NUMBER DIAR T08-E-2	
		DATE 12-30-72		
MATERIAL	NEXT HIGHER ASBY.	SCALE NONE	REV. A	
FINISH		SHEET 1 OF 1	DST.	

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230V AC WIRING

REV.	DATE	BY	CHKD.	DESCRIPTION
1	10/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
2	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
3	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
4	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
5	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
6	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
7	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
8	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71



115V AC WIRING

REV.	DATE	BY	CHKD.	DESCRIPTION
1	10/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
2	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
3	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
4	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
5	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
6	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
7	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71
8	11/11/71	ADAMS	ADAMS	REVISED TO 11/11/71

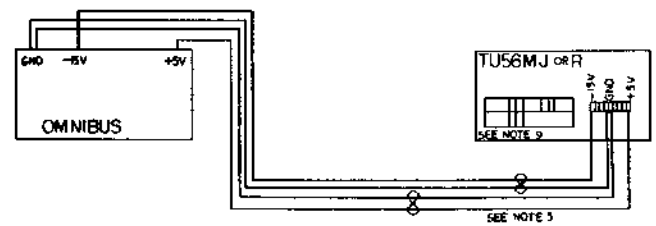
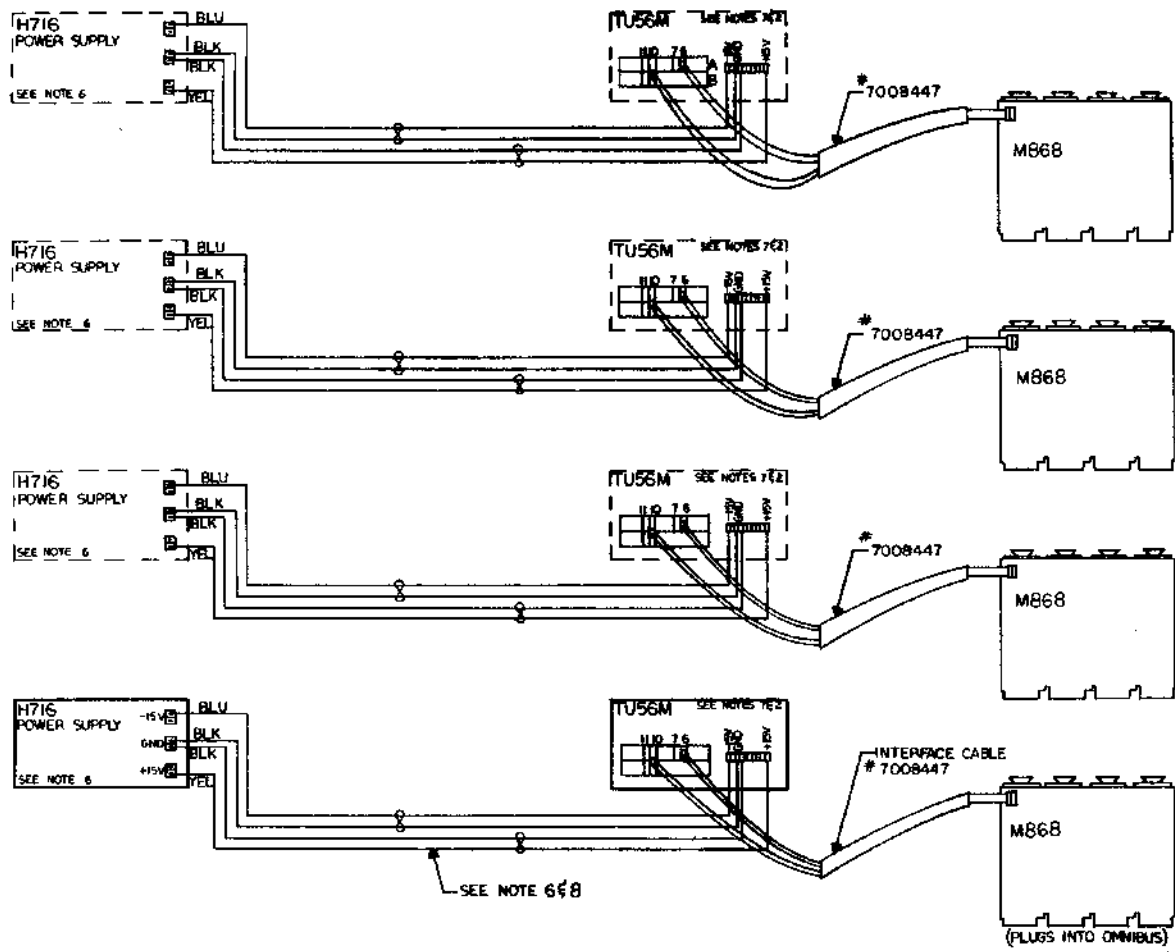
NOTES:

- IF THE H716 AND TU56 ARE MOUNTED IN THE 8-E CAB, THEN USE THE EXISTING 854 POWER CONTROL.
- UP TO 4 TDS E'S AND TU56M'S CAN BE CONNECTED TO ONE 8-E.
- FOR EACH TU56M THERE WILL BE A H716 TO SUPPLY ITS DC POWER. (EXCEPT AS NOTED IN STEP 5.)
- FOR THE FOLLOWING AC VOLTAGES MAKE THE CORRESPONDING JUMPER CONNECTIONS ON THE TU56 TRANSFORMER.
117V JUMPER 1-3, 2-4
230V JUMPER 2-3
- 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.
- DC WIRING IS THE SAME FOR BOTH H716B AND H716D
- 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)
- ALL DC POWER WIRES TO BE #14 AWG STRD TEFLON.
- M268 PLUGS INTO TU56 AS SHOWN AT LEFT.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TDS-E				
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES. TOLERANCES DECIMALS ANGLES				
.001 - .005		±.005	TITLE	
.005 - .010		±.010	POWER WIRING	
.010 - .020		±.020	MATERIAL	
.020 - .030		±.030	FINISH	
.030 - .040		±.040	NEXT HIGHER ASSEMBLY	
.040 - .050		±.050	SCALE NONE	
.050 - .060		±.060	SHEET 1 OF 2	
.060 - .070		±.070	DATE 11/11/71	
.070 - .080		±.080	BY ADAMS	
.080 - .090		±.090	CHKD. ADAMS	
.090 - .100		±.100	DATE 11/11/71	
.100 - .110		±.110	BY ADAMS	
.110 - .120		±.120	CHKD. ADAMS	
.120 - .130		±.130	DATE 11/11/71	
.130 - .140		±.140	BY ADAMS	
.140 - .150		±.150	CHKD. ADAMS	
.150 - .160		±.160	DATE 11/11/71	
.160 - .170		±.170	BY ADAMS	
.170 - .180		±.180	CHKD. ADAMS	
.180 - .190		±.190	DATE 11/11/71	
.190 - .200		±.200	BY ADAMS	
.200 - .210		±.210	CHKD. ADAMS	
.210 - .220		±.220	DATE 11/11/71	
.220 - .230		±.230	BY ADAMS	
.230 - .240		±.240	CHKD. ADAMS	
.240 - .250		±.250	DATE 11/11/71	
.250 - .260		±.260	BY ADAMS	
.260 - .270		±.270	CHKD. ADAMS	
.270 - .280		±.280	DATE 11/11/71	
.280 - .290		±.290	BY ADAMS	
.290 - .300		±.300	CHKD. ADAMS	
.300 - .310		±.310	DATE 11/11/71	
.310 - .320		±.320	BY ADAMS	
.320 - .330		±.330	CHKD. ADAMS	
.330 - .340		±.340	DATE 11/11/71	
.340 - .350		±.350	BY ADAMS	
.350 - .360		±.360	CHKD. ADAMS	
.360 - .370		±.370	DATE 11/11/71	
.370 - .380		±.380	BY ADAMS	
.380 - .390		±.390	CHKD. ADAMS	
.390 - .400		±.400	DATE 11/11/71	
.400 - .410		±.410	BY ADAMS	
.410 - .420		±.420	CHKD. ADAMS	
.420 - .430		±.430	DATE 11/11/71	
.430 - .440		±.440	BY ADAMS	
.440 - .450		±.450	CHKD. ADAMS	
.450 - .460		±.460	DATE 11/11/71	
.460 - .470		±.470	BY ADAMS	
.470 - .480		±.480	CHKD. ADAMS	
.480 - .490		±.490	DATE 11/11/71	
.490 - .500		±.500	BY ADAMS	

DIC TDS-E-3

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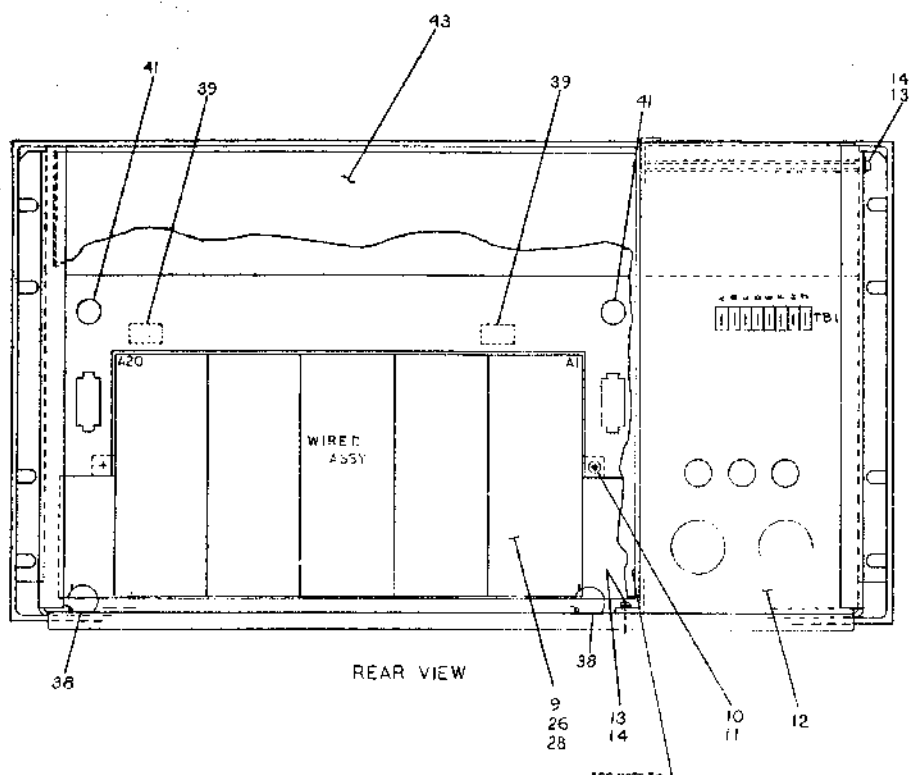


(TABLE TOP SYST ONLY)

REV	REVISIONS
8	CHANGE NO.

FIRST USED ON OPT/OM MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
TDB-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN <i>[Signature]</i>	DATE 1/27/72	EQUIPMENT CORPORATION
DECIMALS	ANGLES	<i>[Signature]</i>	DATE 1/27/72	
XXX - .005	XXX - .005	<i>[Signature]</i>	DATE 1/27/72	POWER WIRING
Y - .01	Y - .01	<i>[Signature]</i>	DATE 1/27/72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PREC. R. K. O.H.	DATE 6/20/72	
MATERIAL	NEXT HIGHER ASSY.	SIZE/ODD	NUMBER	REV.
FINISH	SCALE NONE	DIC TDB-E-3	8	
	SHEET 2 OF 2	DIST.		

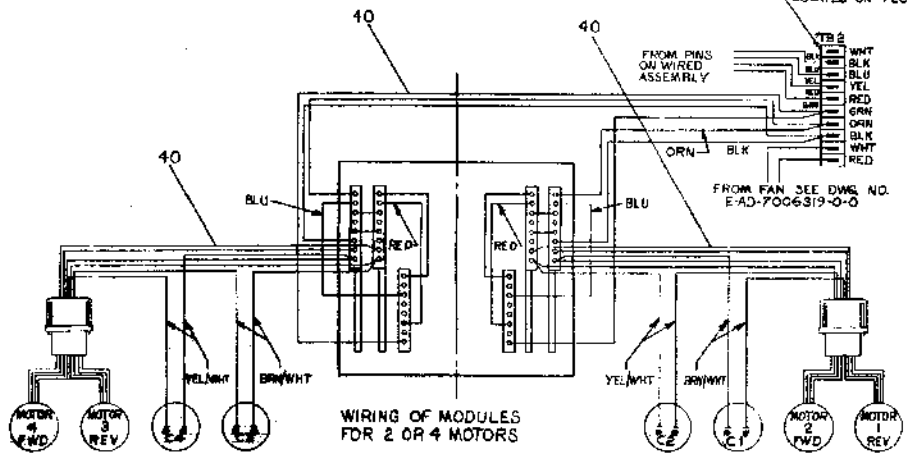
UNTESTED SUPPLIES WITH WIRE
PART NO. 33 TO BE CRIMPED ON
WIRE AND INSERTED INTO PART NO.
30 AT ASSEMBLY.
*ASTERISK INDICATES WIRES TO BE
SOLDERED IN PLACE AT POINT INDICATED
ITEM NO. 29 NOT SHOWN BECAUSE WHERE REQ'D.
4 SCREWS (2) HOLD ITEM 43, SHIPPING
BRACKET, WHEN BRACKET IS REMOVED
AFTER SHIPMENT, REPLACE SCREWS.



REAR VIEW

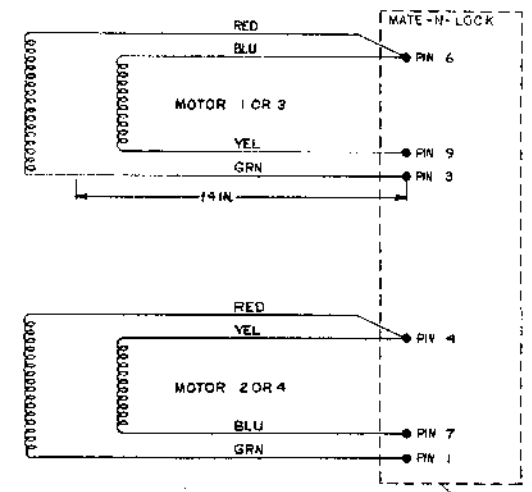
SEE NOTE *4

THESE TERMS ARE LOCATED ON 725 P.S.



WIRING OF MODULES FOR 2 OR 4 MOTORS

MOTOR WIRING DIAGRAM



THE LETTER 'P' IS TO BE MARKED ON THE BACK OF MOTORS 2 & 4 WHEN ASSEMBLED

REV	DESCRIPTION	DATE
1	ASSEMBLY	7-59
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	
11	REVISION	
12	REVISION	
13	REVISION	
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98	REVISION	
99	REVISION	
100	REVISION	

TU56 ASSEMBLY


81A TU56-3-0

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION									
PARTS LIST				TU56-B	TU56	TU56-M	TU56-MR	TU56-BC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
MADE BY KEN GULLICK		CHECKED D. BEALEY		SECTION									
DATE 8/6/69		DATE 8/19/69		ISSUED SECT.									
ENG C. VALLIANT		PROG C. TOMPKINS											
DATE 8/26/69		DATE 8/26/69											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		TU56-B	TU56	TU56-M	TU56-MR	TU56-BC	TU56-C	TU56-MD	TU56-MC	TU56-MH	TU56-MJ
1	E-AD-7006320-1-0	PANEL FRONT ASSEMBLY		1	-	-	-	1	1	1	1	1	1
2	E-AD-7006320-2-0	PANEL FRONT ASSEMBLY		-	1	1	1	1	1	1	1	1	1
3	E-AD-7006319-1-0	CHASSIS ASSEMBLY		1	-	-	-	1	1	1	1	1	1
4	E-AD-7006319-2-0	CHASSIS ASSEMBLY		-	1	1	1	1	1	1	1	1	1
5	9006076-1	SCR PIN 10-32 X 3/8 LG SST		4	4	4	4	4	4	4	4	4	4
6	1209600	LID SUPPORT #43067 CHAMFER & FANUEAR		2	2	2	2	2	2	2	2	2	2
7	9006135	WASH CURVED #0250-0075 ASSOC SPR		2	2	2	2	2	2	2	2	2	2
8	9006146	WASH 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	WASHER ASSY TU56		1	1	1	1	1	1	1	1	1	1
10	9006075-1	SCR PIN HD PAN #10-32 X 3/4 LG SST		2	2	2	2	2	2	2	2	2	2
11	9006565	NUT KEYS #10-32		6	2	2	2	6	2	6	2	6	6
12	D-DA-725-0-0	POWER SUPPLY 725 +		1	1	1	1	1	1	1	1	1	1
13	9006021-1	SCR PIN HD PAN 6-32 X 5/16 LG SST		5	5	5	5	5	5	5	5	5	5
14	9007651	WASH KEY TOOTH #6 HMM		3	3	3	3	3	3	3	3	3	3
15	9007917	CONN SOLDERLESS #30902 AIRLESS		32	64	64	64	32	64	32	64	32	32
16	9007193	CONN SOLDERLESS #3000541B		2	6	6	6	3	6	3	6	3	3
17	9006066-1	WASHER ASSY TU56		1	1	1	1	1	1	1	1	1	1
18	9006066-2	WASHER ASSY TU56		1	1	1	1	1	1	1	1	1	1
19	9006066-3	WASHER ASSY TU56		1	1	1	1	1	1	1	1	1	1
20	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
21	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
22	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
23	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
24	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
25	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
26	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
27	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
28	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
29	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
30	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
31	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
32	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
33	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
34	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
35	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
36	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
37	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
38	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
39	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
40	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
41	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
42	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
43	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
44	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
45	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
46	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
47	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
48	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
49	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
50	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
51	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
52	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
53	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
54	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
55	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
56	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
57	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
58	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
59	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
60	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
61	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
62	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
63	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
64	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
65	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
66	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
67	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
68	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
69	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
70	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
71	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
72	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
73	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
74	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
75	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
76	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
77	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
78	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
79	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
80	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
81	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
82	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
83	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
84	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
85	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24	24	24	24	24	24
86	9107360-00	WIRE #18 AWG STRD TYPOLON YEL. (D&C)		24	24	24	24	24					

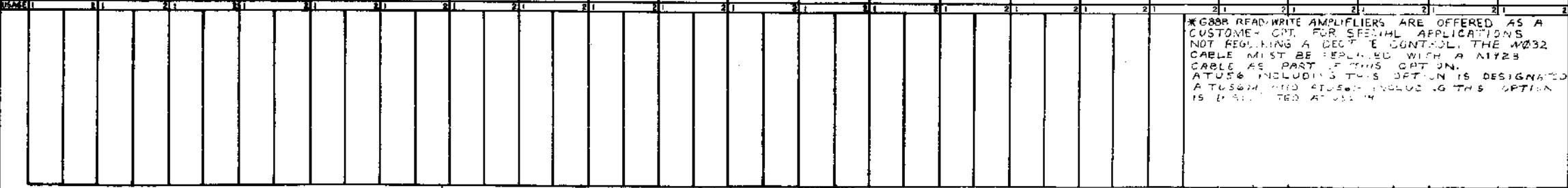
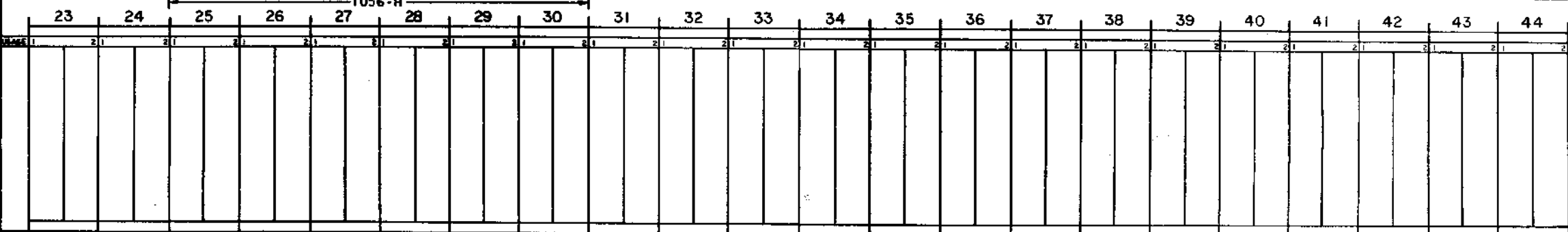
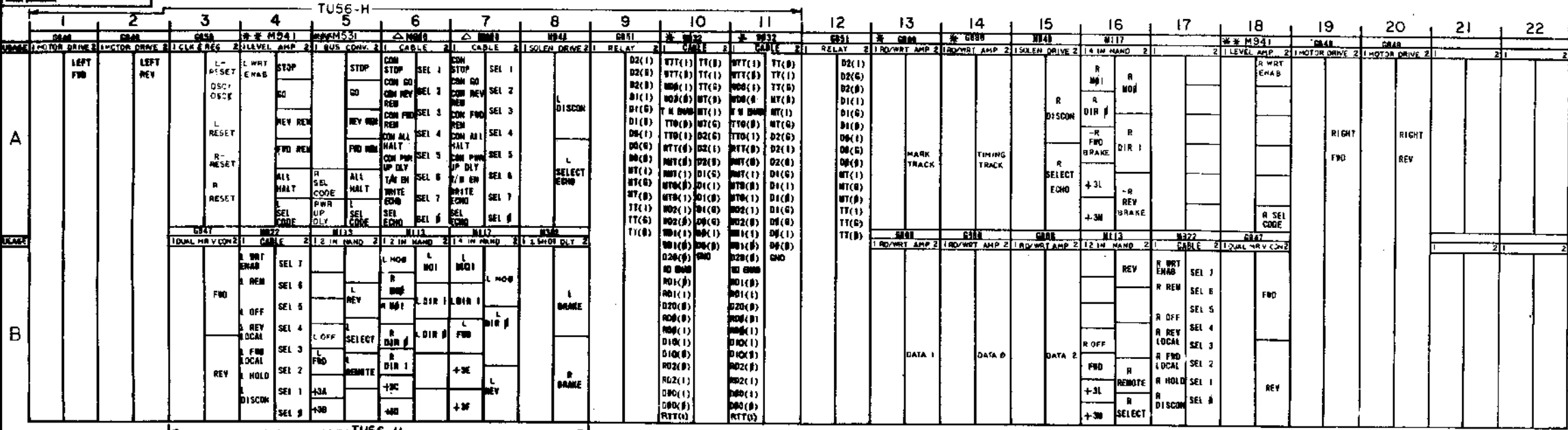
DRWG NO
K-WL-TU56-Ø-2

REVLTR
D

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

FIRST USED ON OPTION/MODEL TU56	DRAWN GULICK	DATE 7-8-69	 <p>digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</p>	TITLE TU56 DEC TAPE
	CHECKED <i>E. Gulick</i>	DATE 8-20-69		FOR TAPE* FILE*
	ENG <i>E. Gulick</i>	DATE 8/25/69		SIZE CODE DWG NO. K WL TU56-Ø-2
	PROJ. ENG <i>E. Gulick</i>	DATE 8/25/69		REVISIONS D
	PROD <i>E.R. Thompson</i>	DATE 8/26/69		SCALE NONE SHEET 1 OF 1 DIST.

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REVISED CHANGE NO.	DATE	BY
1	11-16-72	...
2	11-16-72	...
3	11-16-72	...
4	11-16-72	...
5	11-16-72	...
6	11-16-72	...
7	11-16-72	...

△ IF CONN. TO ANOTHER TU56 USE CABLE *D-UA-BC02X-3-0. IF CONN. TO TU55 USE CABLE *D-IA-7006223-0-0

** THE M941 JUMPER ARE REPLACED WITH WS13 LEVEL AMPLIFIER MODULES WHEN THE TU56 IS CONNECTED TO A RELAY DRIVER TYPE CONTROL.

*** 0742 JUMPER CARD REPLACES M531 WHEN TU56 IS USED WITH POSITIVE OUTPUT LOGIC CONTROL.

FIRST USED ON OPTION/MODEL
TU56

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED

DATE: 11-16-72
BY: [Signature]

digital EQUIPMENT CORPORATION
NORTH ANDREWS STREET
CAMBRIDGE, MASSACHUSETTS 02142

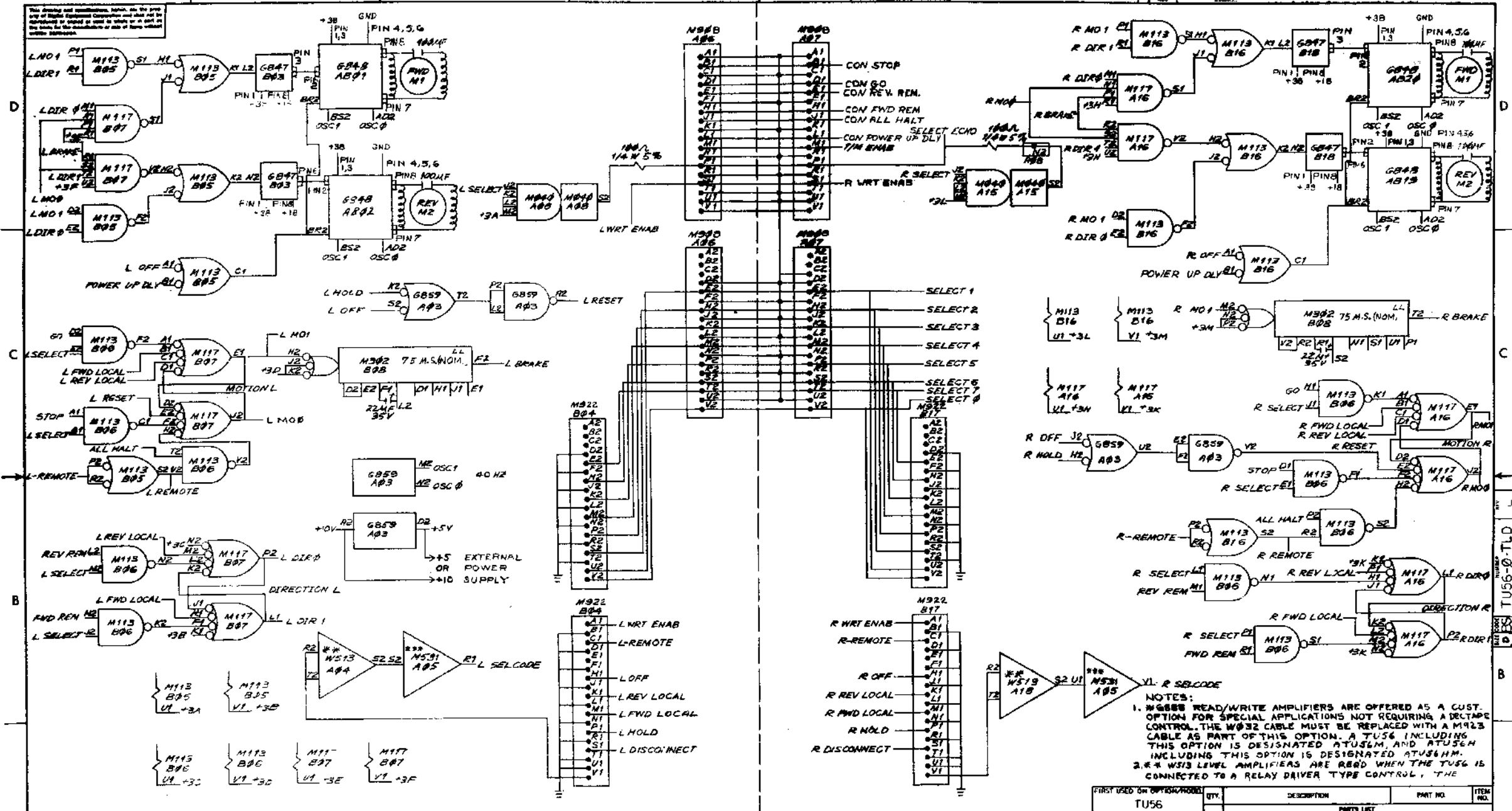
TITLE: **MODULE UTILIZATION**

SIZE CODE: **DMU** NUMBER: **TU56-0-MU** REV: **11**

SHEET 1 OF 1

*G808 READ-WRITE AMPLIFIERS ARE OFFERED AS A CUSTOMER OPT. FOR SPECIAL APPLICATIONS NOT REQUIRING A DEPT. E CONTROL. THE W032 CABLE MUST BE REPLACED WITH A N1723 CABLE AS PART OF THIS OPTION. A TU56 INCLUDING THIS OPTION IS DESIGNATED A TU56H AND A TU56H INCLUDING THIS OPTION IS DESIGNATED A TU56H1.

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REVISIONS

REV.	DATE	BY	DESCRIPTION
1	1-2-70
2	1-2-70
3	1-2-70
4	1-2-70
5	1-2-70
6	1-2-70
7	1-2-70
8	1-2-70

LEFT HAND TRANSPORT

RIGHT HAND TRANSPORT CONT.

WS13 JUMPER MODULES ARE REPLACED BY M194 JUMPER MODULES WHEN THE TUS6 IS CONNECTED TO ANY OTHER DECTAPE CONTROL.

3. 2.5 AMPER JUMPER CARD REPLACES MS3 WHEN TUS6 IS USED WITH POS OUTPUT LOGIC CONTROL.

4. +5V MUST BE SUPPLIED BY EXTERNAL RS WHEN G88'S ARE INSTALLED IN TUS6.

5. ADJUST FOR OPTIMUM BRAKING CHARACTERISTICS. CONSULT MAINTENANCE MANUAL FOR DETAILS.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUS6				

NOTES:

- M988 READ/WRITE AMPLIFIERS ARE OFFERED AS A CUSTOMER OPTION FOR SPECIAL APPLICATIONS NOT REQUIRING A DECTAPE CONTROL. THE M932 CABLE MUST BE REPLACED WITH A M933 CABLE AS PART OF THIS OPTION. A TUS6 INCLUDING THIS OPTION IS DESIGNATED ATUS6M, AND ATUS6M INCLUDING THIS OPTION IS DESIGNATED ATUS6HM.
- 2.5 AMPER JUMPER MODULES ARE USED WHEN THE TUS6 IS CONNECTED TO A RELAY DRIVER TYPE CONTROL. THE

DATE	BY	DESCRIPTION
1-2-70
1-2-70
1-2-70
1-2-70

UNLESS OTHERWISE SPECIFIED DRAWING IN INCHES

TOLERANCES

DECIMAL FRACTIONS ANGLES

FRACTIONS ANGLES

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

SCALE

SHEET 1 OF 2

PARTS LIST

EQUIPMENT CORPORATION

TITLE

TRANSPORT LOGIC DIAGRAM

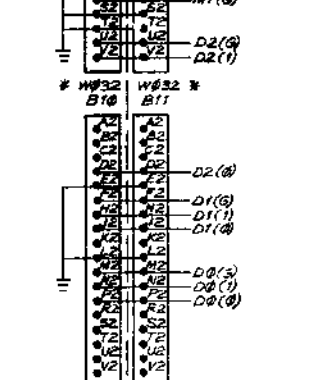
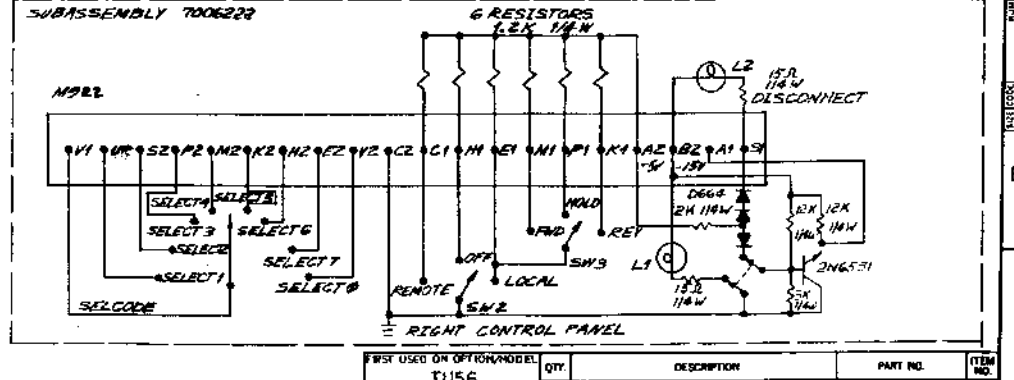
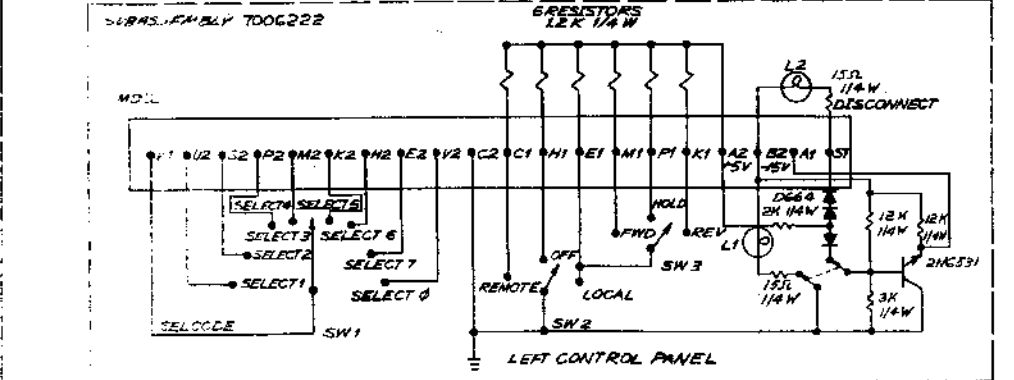
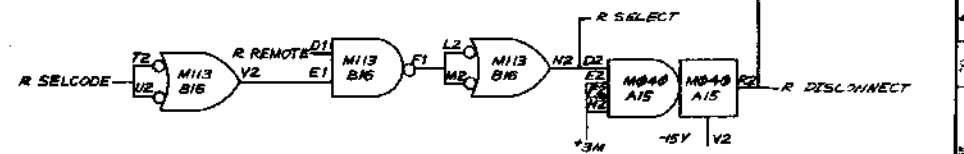
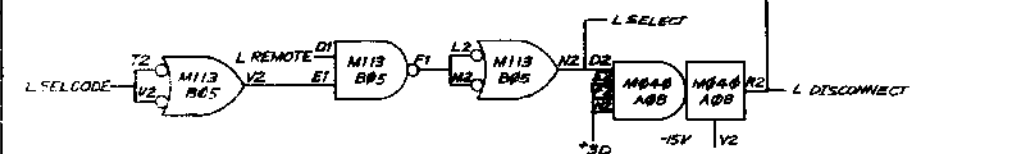
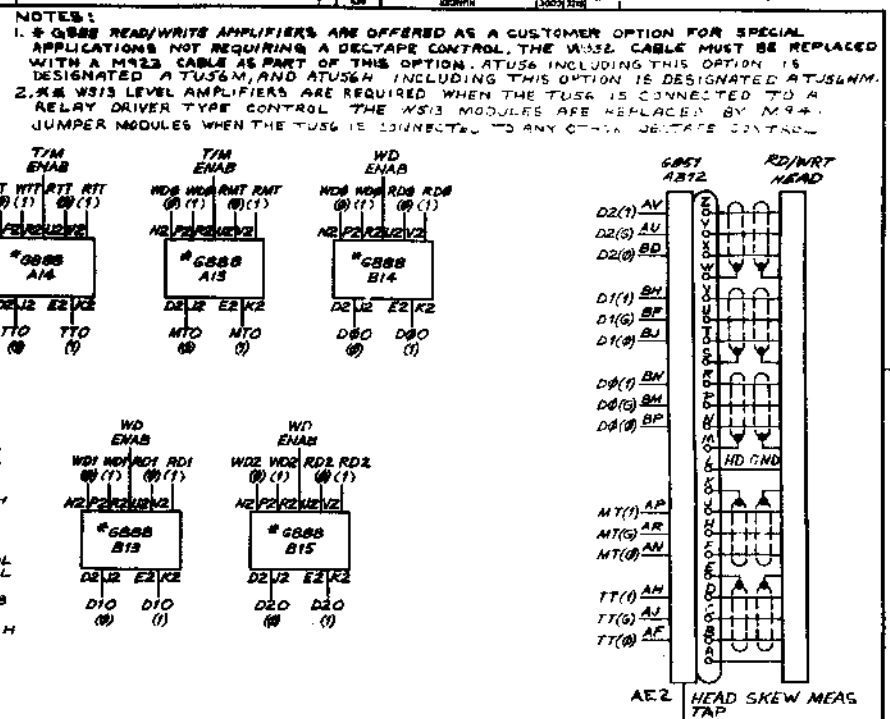
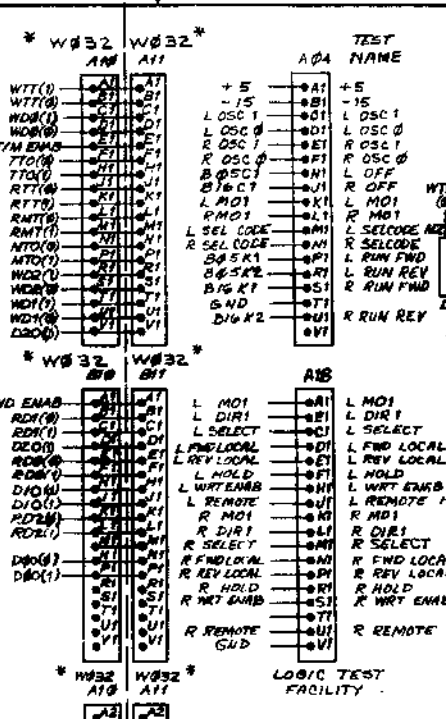
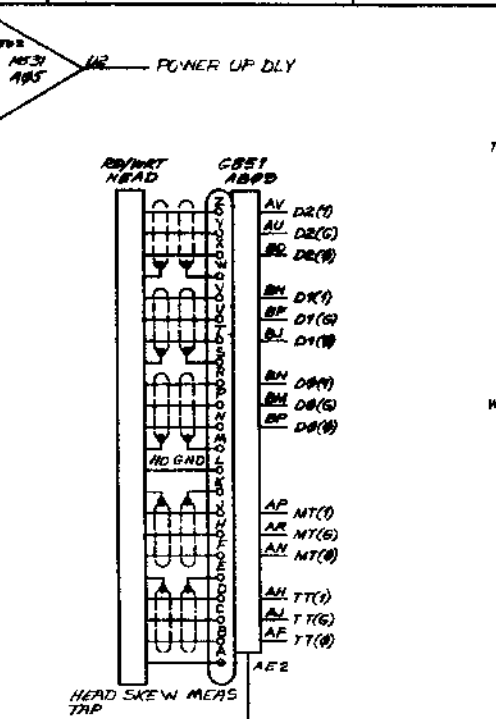
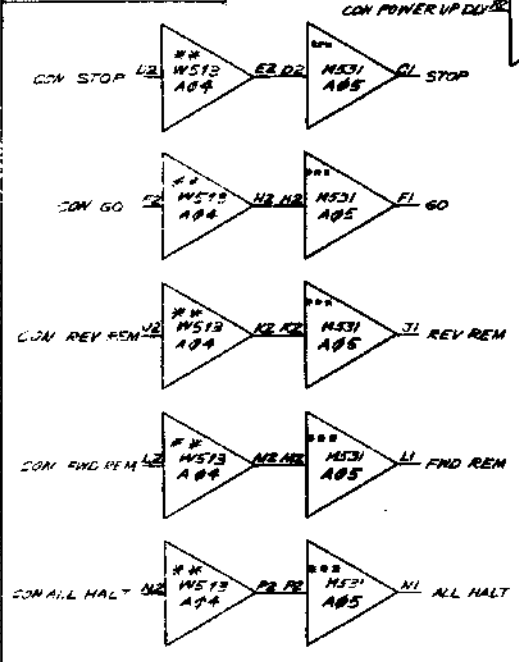
REVISIONS

NUMBER

REV

DES TUS6-0-TLD

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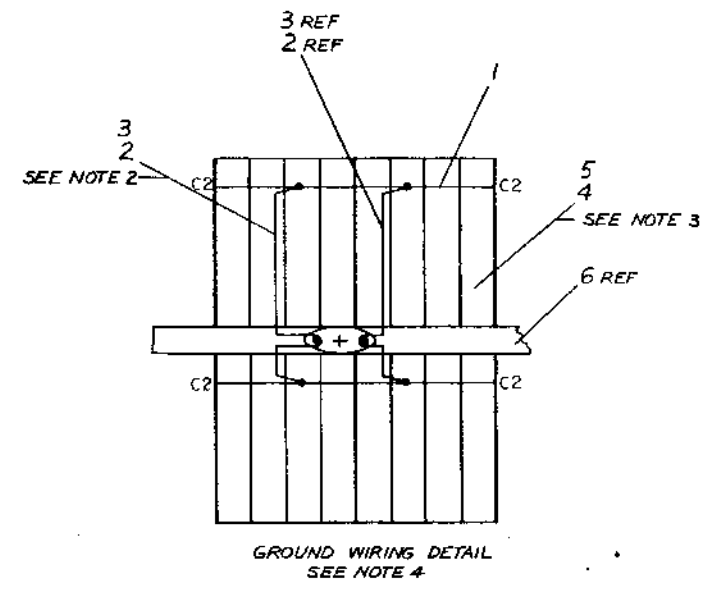
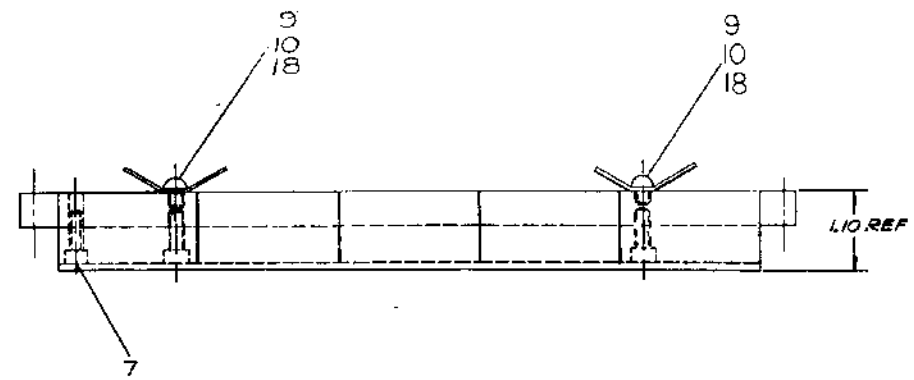
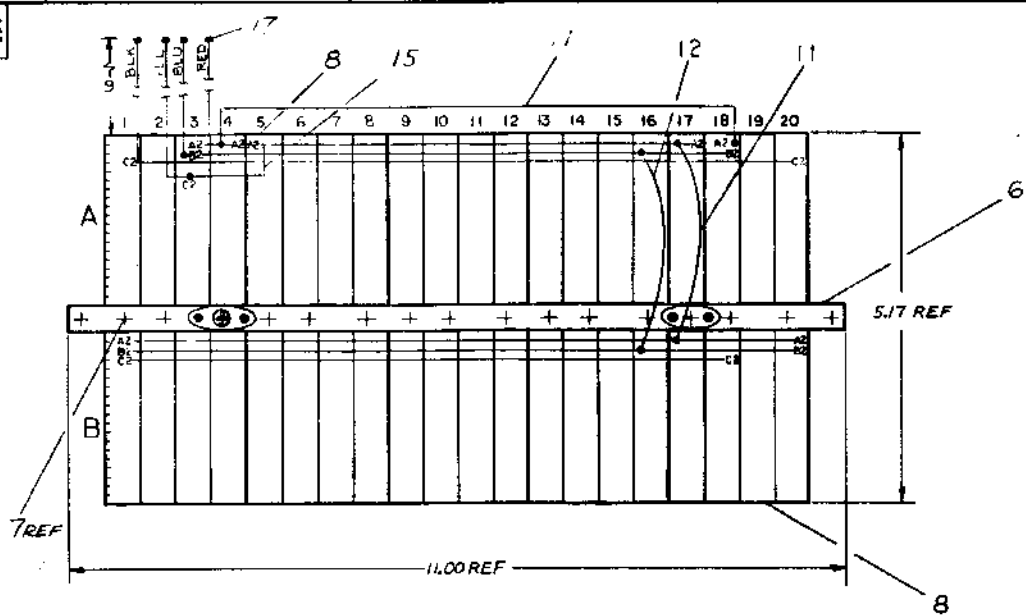
LEFT HAND TRANSPORT RIGHT HAND TRANSPORT

CONT.
 *** G742 JUMPER CARD REPLACES MS31 WHEN TUS6 IS USED WITH POS. OUTPUT LOGIC CONT.

NOTES:
 1. * G888 READ/WRITE AMPLIFIERS ARE OFFERED AS A CUSTOMER OPTION FOR SPECIAL APPLICATIONS NOT REQUIRING A DELTAPE CONTROL. THE W032 CABLE MUST BE REPLACED WITH A M032 CABLE AS PART OF THIS OPTION. ATUS6 INCLUDING THIS OPTION IS DESIGNATED ATUS6M, AND ATUS6H INCLUDING THIS OPTION IS DESIGNATED ATUS6HM.
 2. ** WS13 LEVEL AMPLIFIERS ARE REQUIRED WHEN THE TUS6 IS CONNECTED TO A RELAY DRIVER TYPE CONTROL. THE WS13 MODULES ARE REPLACED BY M94 JUMPER MODULES WHEN THE TUS6 IS CONNECTED TO ANY OTHER DELTAPE CONTROL.

FIRST USED OR OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUS6				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DATE	7-7-61	DIGITAL EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	DATE	8-24-61	WATFORD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	DATE	1-15-62	TITLE	
REMARKS	FRACIONS	ANGLES	TRANSPORT LOGIC DIAGRAM	
SCALE	1:1	2:1	REV. L	
REMOVE DIMS AND DIMEN. SHOW CORNER	DATE	1-15-62	SIZE CODE DBS	
MATERIAL	NEXT HIGHER ASSY		NUMBER TUS6-0-TLD	
FINISH	SCALE	2 OF 2	REV. L	
	QTY.		DST.	

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ITEM NO.	COMP	POL	FROM	TO	POL
13	RESISTOR	X	A052	A051	X
13	RESISTOR	X	M052	M051	X
14	CAPACITOR	-	B051	A052	+
14	CAPACITOR	-	B051	B052	+

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

REV	CHG	NO	REV
1	1	TU56-00005	A
2	1	E LUTTIG	2/2/69
3	1	TU56-00013	B
4	1	E LUTTIG	2/2/70
5	1	TU56-00017	C
6	1	E LUTTIG	2/2/70
7	1	TU56-00055	D
8	1	E LUTTIG	2/2/71
9	1	TU56-00062	E
10	1	E LUTTIG	2/2/71
11	1	TU56-00062	F
12	1	E LUTTIG	2/2/71

FIRST USED ON OPTION? MODEL	DO NOT SCALE DRAWING
TU56	UNLESS OTHERWISE SPECIFIED
TOLERANCES	
DECIMALS	
.XXX = ± .005	
.XX = ± .02	
X = ± .1	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
EQUIPMENT CORPORATION			
TITLE			
WIRED ASSY			
TU56			
NEXT HIGHER ASSY			
E-UA-TU56-0-0			
SCALE		SHEET	
1/1		OF	

D AD 7006321-0-0

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY KEN GULICK	CHECKED D. HEALY	SECTION 1
DATE 6/19/69	DATE 7/23/69	
ENG <i>E. Gulick</i>	PROD <i>C. R. Templeton</i>	ISSUED SECT. 1
DATE <i>8/26/69</i>	DATE <i>8/26/69</i>	

QUANTITY / VARIATION

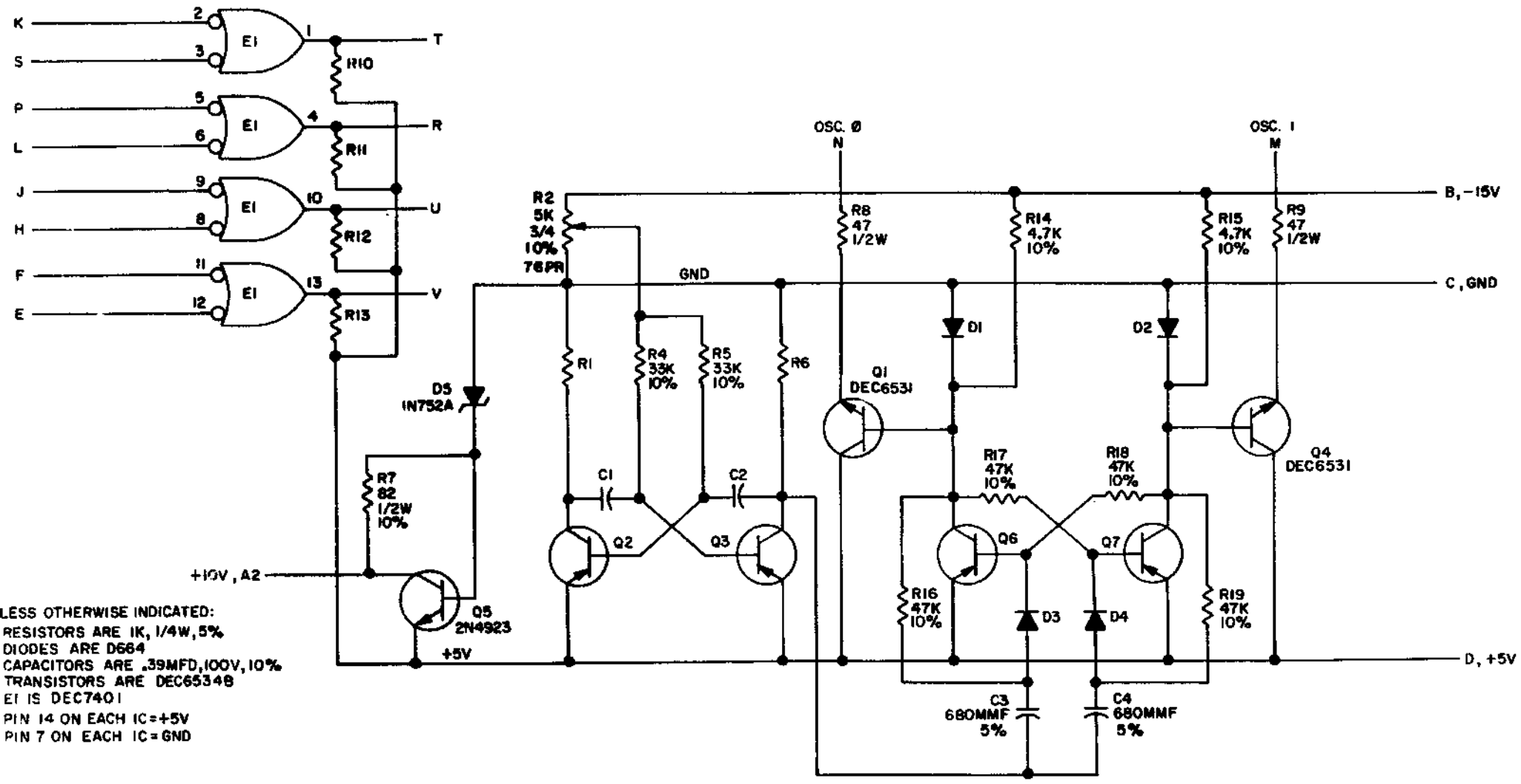
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	7006321-0															
1	1205541	BUS STRIP	A/R															
2	9107560-01	22 AWG BUS WIRE	A/R															
3	9107265-09	#22 TUBING, TEFLON, WHITE	A/R															
4	9105740-44	30 AWG SOLID TEF INS. WIRE, YELLOW	A/R															
5	9105740-66	30 AWG SOLID TEF INS. WIRE, BLUE	A/R															
6	6-IA-7407393-0-0	MTG BAR (5 BLOCKS) TU56	1															
7	9006120	SCR. PHL HD SELF-TAPPING 8-32 x 5/8	10															
8	1205348	288 PIN CONN BLOCK	5															
9	9006775	TERMINAL #2116-08-00 SHAKEPROOF	2															
10	9008143	SCR. PHL HD SELF-TAPPING 8-32 x 1/2	2															
11	9107350-22	22 AWG STRD TEF INS WIRE, RED	A/R															
12	9107530-66	22 AWG STRD TEF INS WIRE, BLU	A/R															
13	7408016	RESISTOR 100 OHMS 1/4 W 5% CCW/TERMI PTS	2															
14	7408015	CAPACITOR 22 MFD 35V S. TANT W/TERMI PTS	2															
REF	K-WL-TU56-0-2	WIRE LIST	X															
15	9107350-44	22 AWG STRD TEF INS WIRE, YEL	A/R															
16	9107350-00	22 AWG STRD TEF INS WIRE, BLK	A/R															
17	9007917	CONN. SOLDERLESS #50902 ANGLES	4															
18	9006634	WASHER INT #8	2															

TITLE	ASSY NO.	SIZE CODE	NUMBER	REV	ECO NO.
WIRED ASSY TU56	D-AD-7006321-0-0	A PL	7006321-0-0	E	TU56-100062
	SHEET 1 OF 1	DIST.			

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			LEGEND		QUANTITY/VARIATION													
ACCESSORY LIST			D	DOCUMENT	TU56-D, -ML, -NR	TU56-R, MEL, NJ	TU56-CI, -MC	TU 50-BC, -ND			KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE		
			DN	DOCUMENT CHANGE NOTICE														
MADE BY J. Ingladus			CHECKED 7/7/72	SECTION	PA	PAPER TAPE ASCII												
DATE 5/31/72			DATE		PB	PAPER TAPE BINARY												
ENG X. [Signature]			PROD	ISSUED SECT.	PM	PAPER TAPE READ-IN-MODE												
DATE 7/7/72			DATE															
ITEM NO.	DWG NO./PART NO.	DESCRIPTION	TU56-D, -ML, -NR	TU56-R, MEL, NJ	TU56-CI, -MC	TU 50-BC, -ND												
1	BC02X-03	Select Cable	1	1														
2	74-8321	Mounting Bracket. (H950 Cabinet)	1	1	1	1												
3	74-8322	Spacer Block (H950 Cabinet)	2	2	2	2												
4	TU56-0	Complete Print Set (see A-ML-TU56-0)	1	1	1	1												
5	DEC-00-3873-D	Maintenance Manual	1	1														
6	12-9331	Take Up Reel	2	1	2	1												
7	TUC-01	Head Cleaning Kit	1	1														
8	74-5152-1	Head Cable	1	1														
9	G742	Jumper Module (Remove M531 and replace with G742 for PDP-11 add-ons and OEM's)	1	1	1	1												
10	74-5996	Certified DECTape 12 Bit Format	2	1*														
11	74-5996-1	Certified DECTape 18 Bit Format	2	1*														
NOTE: Items 12 thru 14 are for Rack Mountable Field Add-on shipments only.																		
12	91-7673-06	AC Line Cord 6'	1	1														
13	90-8851	Mounting Hardware Bag	1	1	1	1												
14	91-7710 and 90-8849	Hook Up Wire	1	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 D-M-TU56-0 for notes.																		
When unit is to be installed on a tubular style cabinet, refer to A-PL-TU56-0-0 for notes.																		
15	DEC-TU56-IFB-1	ILLUSTRATED PARTS BREAKDOWN	1	1	1	1												

TITLE	DECTape DRIVE UNIT ACCESSORY SHIPPING KIT	ASSY. NO.	SHEET 1 OF 1	SIZE CODE	AIAL	NUMBER	TU56-0-5	REV.	E	ECO NO.	TU56-00072
				DIST.							

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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

REV	CHG NO	REV

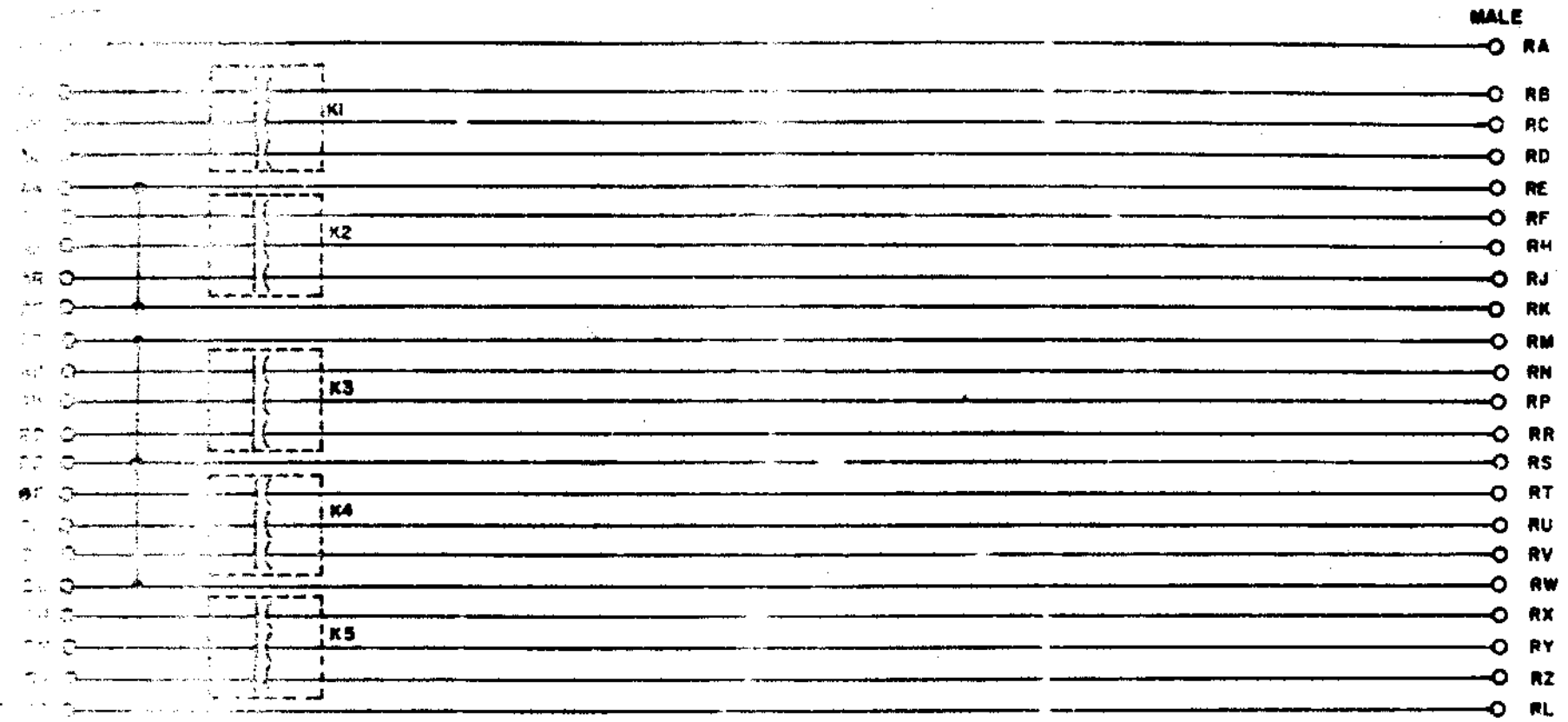
DRN <i>BUTLER</i>	DATE 11-19-69
CHK'D <i>[Signature]</i>	DATE 1-17-70
ENG <i>C. Smith</i>	DATE 10-21-69
PROD	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
DEC6534B	MP34534B		
DEC6531	MP56531		
2N4923	SAME		

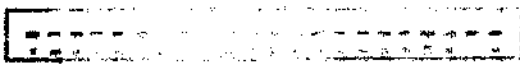
digital
EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE CLOCK & REGULATOR G859			
SIZE B	CODE CS	NUMBER G859-0-1	REV C
PRINTED CIRCUIT REV.			A

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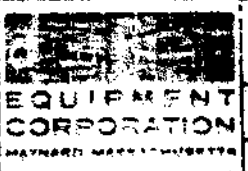
AMPHENOL
133-022-03



REVISIONS	DATE	BY
1	1-15-68	R.P.
2	1-20-68	R.P.
3	1-25-68	R.P.

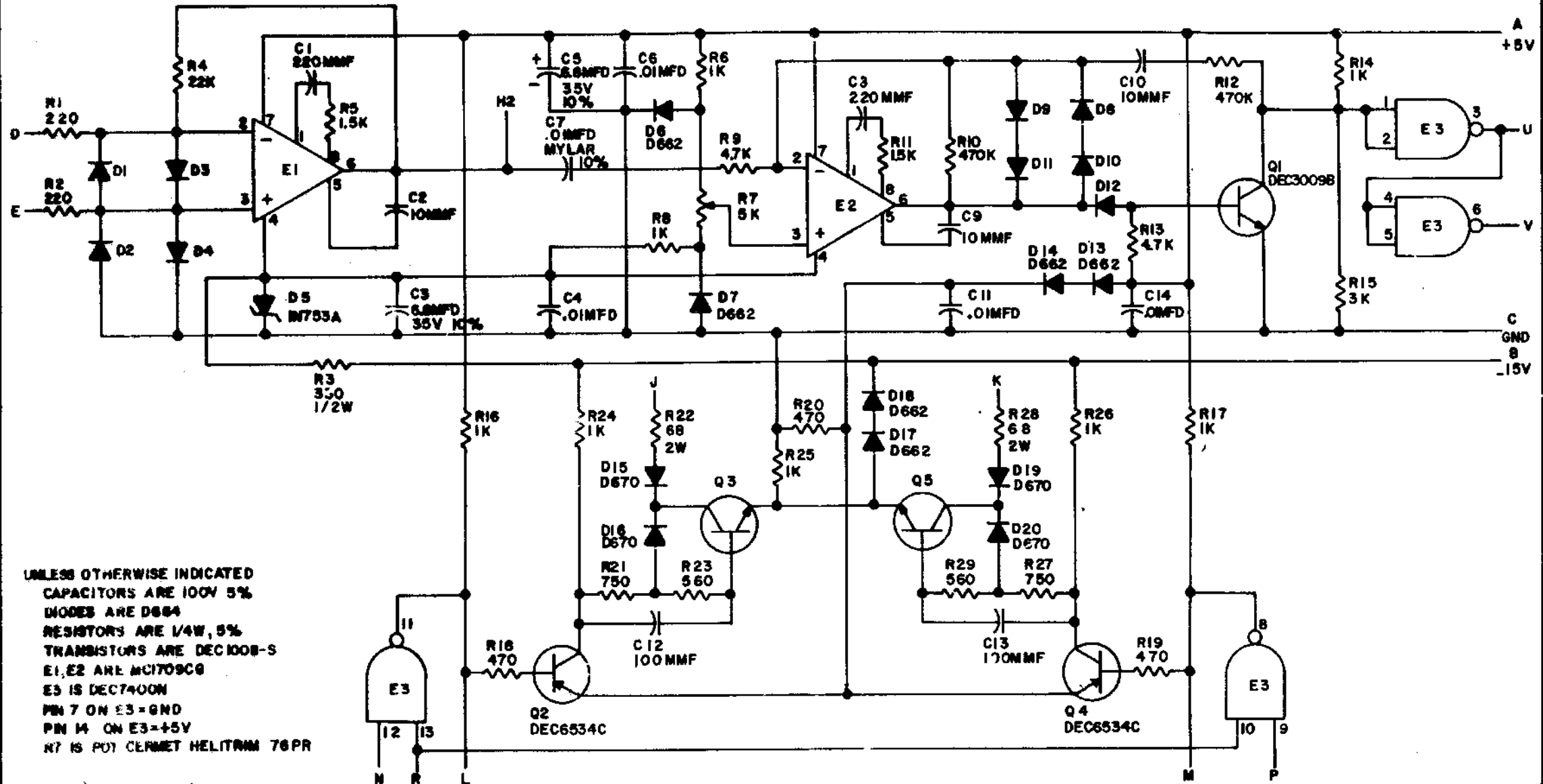
DRN A.S. PORTER	DATE 1-15-68
CHK'D R. PERRYMAN	DATE 1-20-68
ENG. D. WARDMAN	DATE 1-25-68
PROD.	DATE

TRANSISTOR & DIODE CONVERSION			
DEC	RIA	DPC	RIA



TITLE RELAY G851		
SIZE B	CODE CS	NUMBER G851-G-1
PRINTED CIRCUIT BOARD		RELAY

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UNLESS OTHERWISE INDICATED
 CAPACITORS ARE 100V 5%
 DIODES ARE D664
 RESISTORS ARE 1/4W, 5%
 TRANSISTORS ARE DEC100B-S
 E1, E2 ARE MC1709CG
 E3 IS DEC7400N
 PIN 7 ON E3 = GND
 PIN 14 ON E3 = +5V
 R7 IS POT CERMET HELITRAM 76 PR

REV.	DATE	BY	CHK'D
1	8/2/69	J. Calore	J. Calore
2	9/2/69	J. Calore	J. Calore
3	9/2/69	J. Calore	J. Calore
4	9/2/69	J. Calore	J. Calore
5	9/2/69	J. Calore	J. Calore
6	9/2/69	J. Calore	J. Calore
7	9/2/69	J. Calore	J. Calore
8	9/2/69	J. Calore	J. Calore
9	9/2/69	J. Calore	J. Calore
10	9/2/69	J. Calore	J. Calore

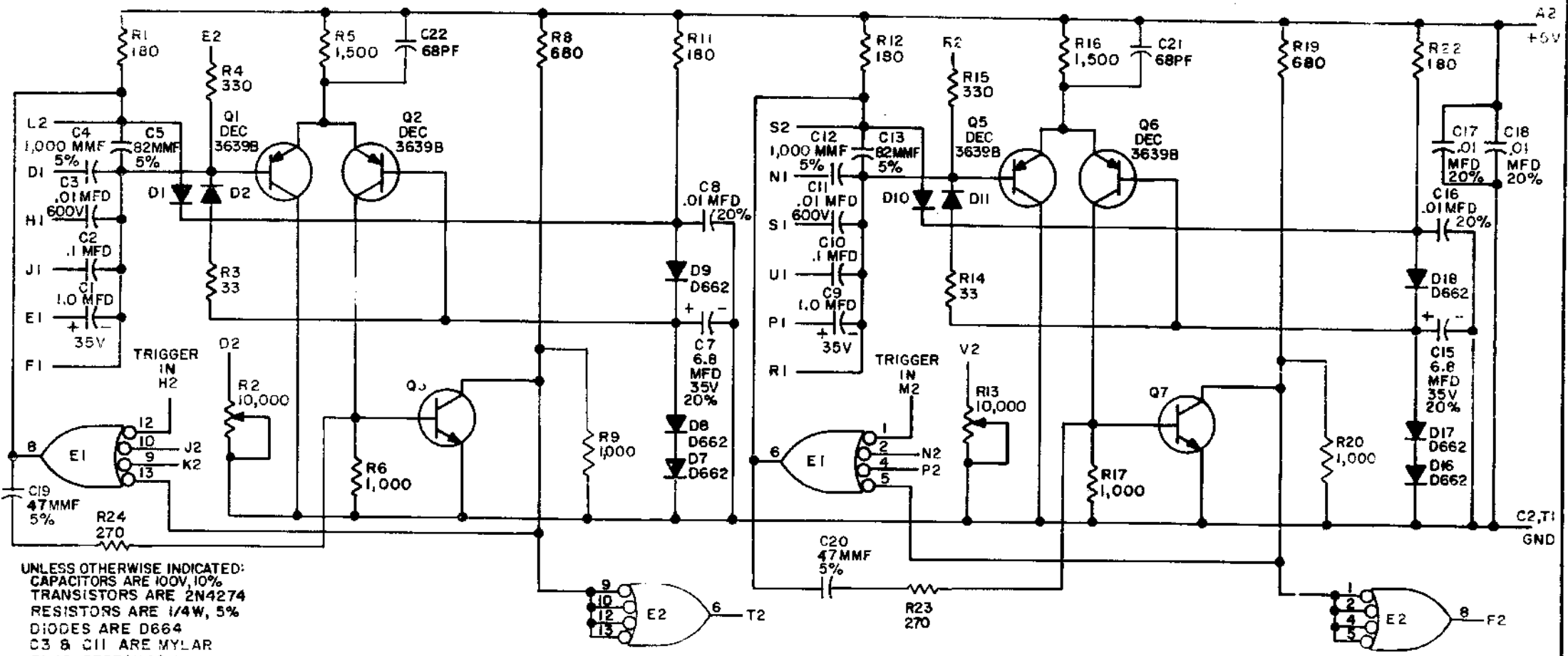
DRN.	DATE
J. Calore	8-29-69
J. Calore	9/2/69
J. Calore	9/2/69
J. Calore	9/2/69
J. Calore	9/2/69

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3605	DEC100B-S	MM1008
D662	1N645		
D675	SAME		
DEC3009B	2N5011		
DEC6534C			

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE			
MANCHESTER READER/WRIER G888			
SIZE	CODE	NUMBER	REV.
B	CS	G888-0-1	B
PRINTED CIRCUIT REV.			
A			

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 7 ON IC5 = GND
 PIN 14 ON IC5 = +5V
 R2 & R13 ARE HELITRIM POT #78PR
 1.0MFD CAPACITORS ARE TANTALUM
 E2 IS DEC7413N

PARTS LIST A-PL-M302-0-0

REV	CHG NO	BY	DATE
1	6507	B	
2	6719	C	
3	6801	D	
4	7077	E	
5	00001	F	
6	00002	G	
7	00003	H	
8	00004	I	

DRN. <i>Mr. Waller</i>	DATE 6-15-67
CHK'D <i>[Signature]</i>	DATE 6/21/67
ENG. <i>L. Whit</i>	DATE 6/21/67
PROD. I	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N4274	SAME		
DEC3639B	2N3639		
D662	1N645		
D664	1N3606		

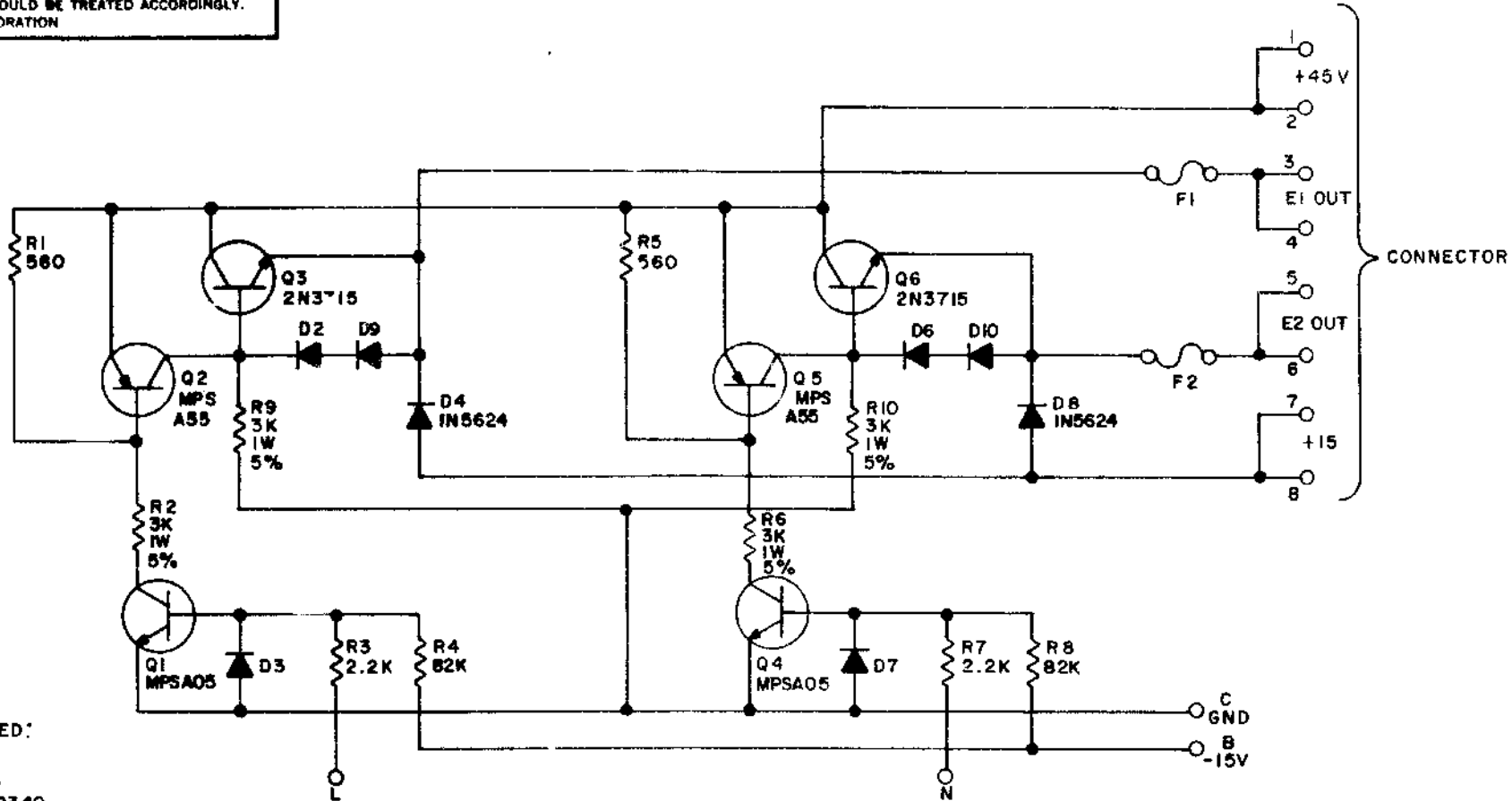
digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE: ONE SHOT DELAY M302

SIZE B CODE CS NUMBER M302-0-1 REV L

PRINTED CIRCUIT REV. L

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



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:



REV	CHG	NO.	REV
00002	A		
00003	B		
00004	C		
00005	D		
00006	E		

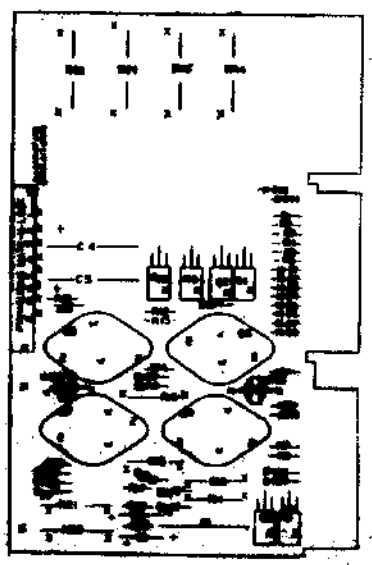
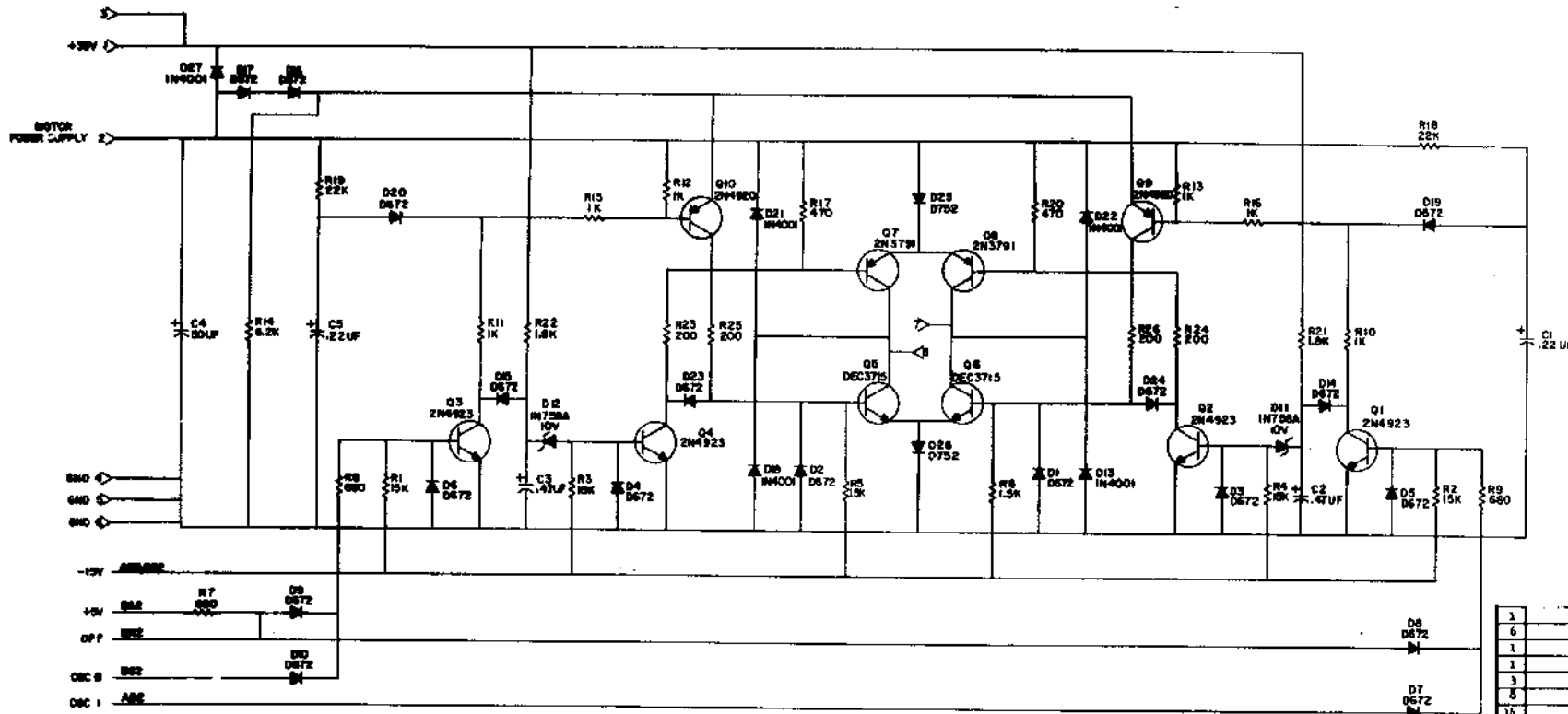
DRN	DATE
CHK'D	DATE
ENG	DATE
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
B672	IN3653		
MPSA05			
2N3715	NONE		
MPSA55			
IN5624	SAME		

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE				DUAL MOTOR VOLTAGE CONTROL G847			
SIZE	CODE	NUMBER	REV				
B	CS	G847-0-1	D				
PRINTED CIRCUIT REV							E

THIS DRAWING IS THE PROPERTY OF THE UNITED STATES GOVERNMENT AND IS LOANED TO YOUR ORGANIZATION BY THE NATIONAL BUREAU OF STANDARDS. IT IS TO BE RETURNED TO THE NATIONAL BUREAU OF STANDARDS AT THE END OF THE LOAN PERIOD.



1	PIPER SPACER 4 x 4 x 40	9007615	15	
6	1/4-40 KEYSLOT	9006556	16	
1	NYLON NUT #4	9007950	17	
1	NYLON SCREW 1/4-40 x 1/2	9006400-4	18	
3	HANDLE STEEL	9006732	19	
8	1/4-40 KEYSLOT	9007957	20	
16	1/4-40 x 5/16" SCREW	9006010-4	21	
1	HANDLE, FLIP CHIP - GREEN	9578337-01	22	
2	TRANSISTOR 2N4920	1509605	23	
4	Q1, 2, 4, 3	TRANSISTOR 2N4923	1509604	24
2	Q7, 8	TRANSISTOR 2N3791	1509591	25
2	Q5, 6	TRANSISTOR DMC 1715	1503058	26
2	R18, 19	RES. 22K 5W 5%	1301408	27
4	R23, 24, 25, 26	RES. 200 5W 5%	1309439	28
4	R1, 2, 3, 4	RES. 15K 5W 5%	1300196	29
1	R15	RES. 0.2K 5W 5%	1303175	30
2	R21, 22	RES. 1.0K 2W 10%	1300807	31
2	R5, 6	RES. 1.0K 5W 5%	1300151	32
4	R10, 11, 16, 16	RES. 1K 1W 5%	1300169	33
2	R12, 13	RES. 1K 5W 5%	1300165	34
3	R7, 8, 9	RES. 680 4W 5%	1301024	35
2	R17, 20	RES. 470 4W 5%	1300316	36
8	PIV. SOCKETS	1209450	37	
1	PIV. MOUNTING	1209340	38	
2	D12, 12	DIODE 200V 1N750A 10V, 4W 5%	1100125	39
2	D5C, 26	DIODE D752	1100615	40
18	D1, 10, 14, 17, 19, 20, 21, 24	DIODE D672	1105275	41
5	D13, 18, 21, 22, 27	DIODE 1M601	1102962	42
2	C1, 5	CAP. 0.22UF 100V 10% NYLON	1000037	43
2	C2, 3	CAP. 0.47UF 35V 10% S.S.BATT.	1000905	44
1	C4	CAP. 50UF 50V -10+75% S.S.BATT.	1000080	45
1		PCB CIRCUIT BOARD	5008522	46
		HANDLE BUSHING	8-48-08.5-C-0	47
		ETCH BOARD, MOTOR CONT	14-5008-1-C-0	48
		X-Y COORDINATE HOLE LOCATION	X-00-0818-C-4	49
REV. 1	REP. DESIGNATION	DESCRIPTION	DEC PART NO.	

REV.	REP. DESIGNATION	DESCRIPTION	DEC PART NO.
1			
2			
3			
4			
5			

DATE	BY	DESCRIPTION
1-2-64	R. WILCOX	TRANSISTOR & DIODE CONNECTION CHANGE
1-15-64	H. WILCOX	REVISED
1-15-64	H. WILCOX	REVISED
1-15-64	H. WILCOX	REVISED

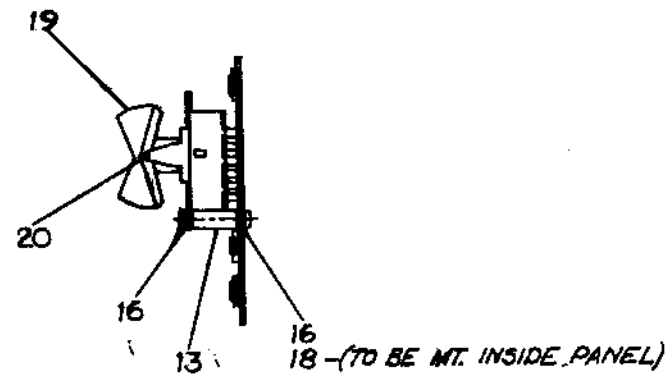
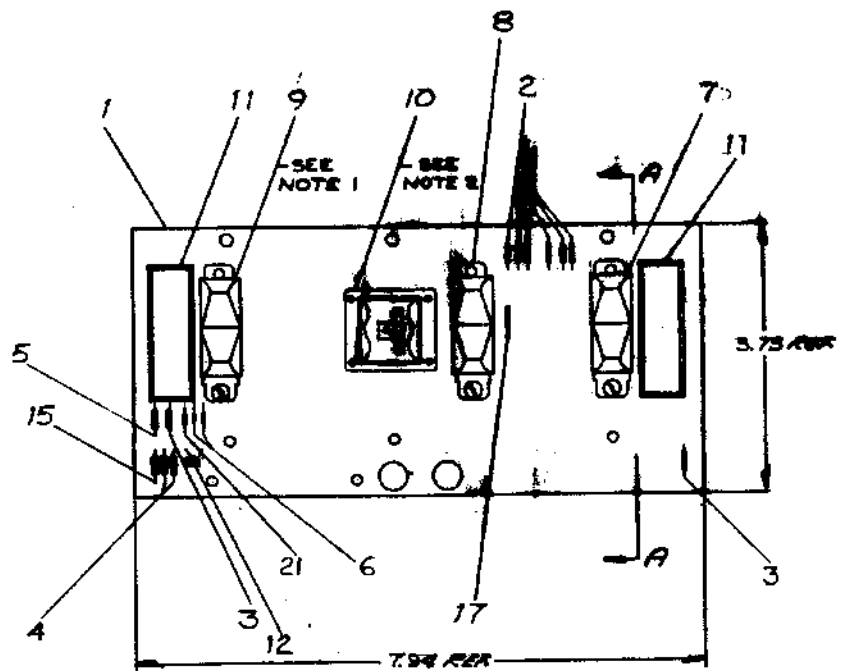
NO.	REV.	DESCRIPTION	DATE
1			
2			
3			
4			
5			

MOTOR CONTROL

EQUIPMENT CORPORATION
 14-5008-1-C-1

This drawing and specifications, hereinafter, are the property of Digital Equipment Corporation and shall not be reproduced in whole or in part in any form without the written permission of Digital Equipment Corporation.

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



SECTION A-A

REV.	DATE	BY	APP.
1	11/18/72	4-379	
2	1/25/73		
3	1/25/73		
4	1/25/73		
5	1/25/73		
6	1/25/73		
7	1/25/73		
8	1/25/73		
9	1/25/73		
10	1/25/73		
11	1/25/73		
12	1/25/73		
13	1/25/73		
14	1/25/73		
15	1/25/73		
16	1/25/73		
17	1/25/73		
18	1/25/73		
19	1/25/73		
20	1/25/73		
21	1/25/73		

QTY.	DESCRIPTION	PART NO.	ITEM NO.								
PARTS LIST											
	1	1566									
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FIRST USE OR OPTION/MODEL TU56 TOLERANCES DECIMALS .XXX = 0.005 .XX = 0.02 .X = 0.1	DO NOT SCALE DIMENSIONS UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS	DATE 6-1-77 BY [Signature] CHECKED [Signature] APPROVED [Signature] DESIGNED [Signature] TESTED [Signature] FINISH [Signature]	DATE 6-1-77 BY [Signature] CHECKED [Signature] APPROVED [Signature] DESIGNED [Signature] TESTED [Signature] FINISH [Signature]	TITLE SWITCH CONTROL PANEL (TU56)	PREPARED BY [Signature]	DATE 6-1-77	BY [Signature]				
		DAD5408500-0-0	D								
SCALE		1:1									
SHEET 1 OF 1											

DAD5408500-0-0 D

PARTS LIST

MADE BY <i>Paul Johnson</i>		CHECKED <i>D. Wall</i>		SECTION
DATE <i>Dec 28, 1969</i>		DATE <i>1-30-70</i>		<i>PC LAYOUT</i>
ENG <i>E. Lutting</i>		PROD <i>P. 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
REV	C-CS-5408500-0-2	CIRCUIT SCHEMATIC			
REV	R-CS-5408500-0-4	X-Y COORDINATE HOLE LOCATION			
REV	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%		3	
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	9006880	SCREW, 6-32 x 1/4		6	
15	1300432	RES. 3K, 1/4W, 5%		1	
16	9006009-4	SCR SHOTTED 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.	327 157 112		

DEC FORM NO. 16-1027
DRA 123

5 PINK X

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

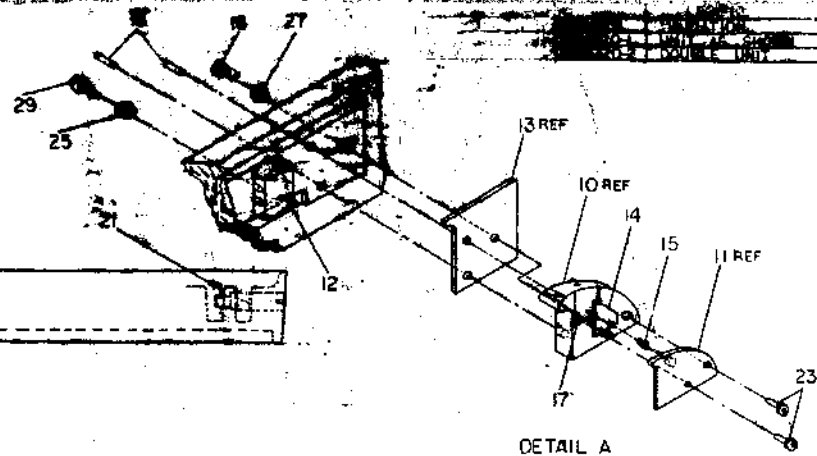
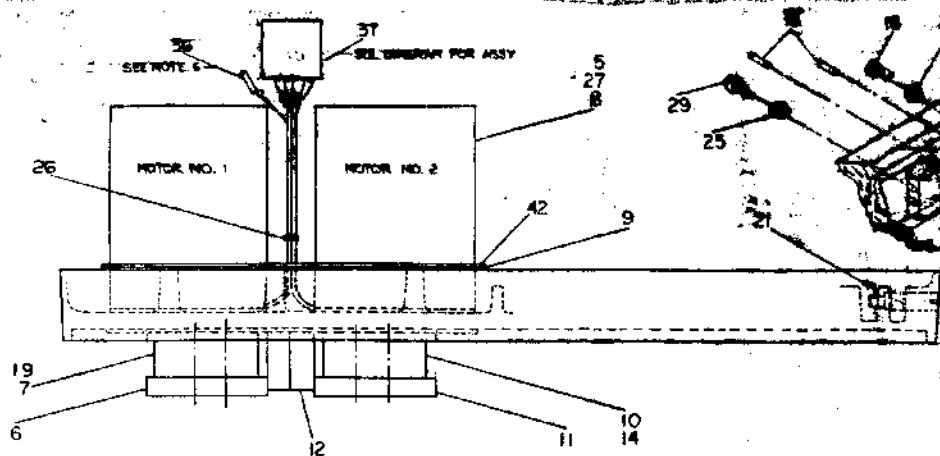
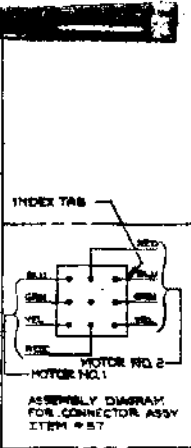
MADE BY <i>Paul Johnson</i>		CHECKED <i>D. Wall</i>		SECTION
DATE <i>Dec 27, 1969</i>		DATE <i>1-30-70</i>		
ENG <i>E. Lutting</i>		PROD <i>P. Johnson</i>		ISSUED SECT.
DATE <i>3-18-70</i>		DATE <i>3/25/70</i>		

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, IN749 3.9V 10% 40mw		1	

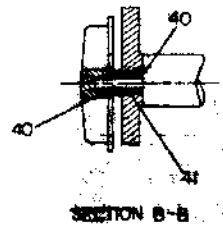
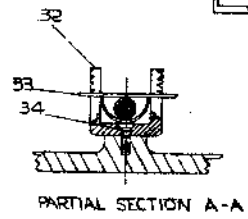
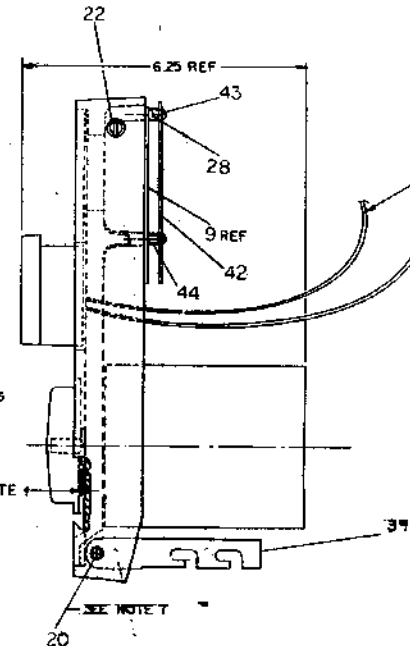
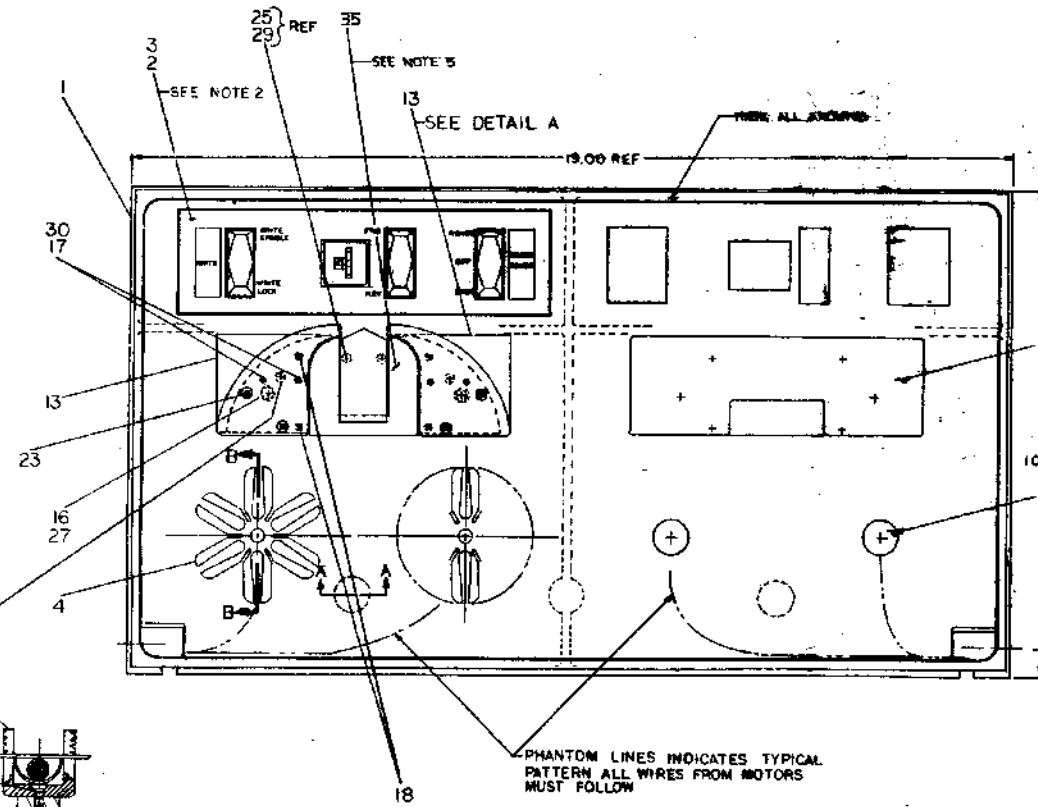
TITLE	ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
SWITCH CONTROL PANEL (TU56)	D-AD-5408500-0-0	A PL	5408500-0-0	D	00003
	SHEET 2 OF 2	DIST.			

DEC FORM NO. 16-1027
DRA 123

5 X



- NOTES**
- 1 POSITION OF ITEM NO. 4 (HUB) MUST BE 017" OUT FROM BOSS ON CASTING MEASURE WITH GAUGE PART NO. 38.
 - 2 ASSEMBLE ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE)
 - 3 COAT BOTH SURFACES (REAR SURFACE OF OVERLAY & FRONT SURFACE OF PANEL HTG.) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE ASSY. MASK SURFACES AS INDICATED BEFORE APPLYING ADHESIVE TO MTG. PANEL.
 - 4 ~~ASSEMBLE ITEM NO. 4 (HUB) TO ITEM NO. 1 (MOTOR NO. 1) USING ITEM NO. 3 (ADHESIVE)~~
 - 5 ASSEMBLE ITEM 35 TO FRONT PANEL USING ITEM 2 (APPLY TO REAR SURFACE OF ITEM 35 ONLY)
 - 6 CRIMP ITEM 36 TO MOTOR LEADS AS SHOWN. INSERT PINS INTO ITEM 27 (PINS MUST ENTER SIDE WITH SQUARE HOLES ONLY)
 - 7 DO NOT ASSEMBLE ITEM 20 TO FRONT PANEL UNTIL ITEM 39 IS INTO PLACE SO THAT ITEM 20 WILL GO THRU ITEM 39 AT ASSEMBLY.



REV.	DATE	BY	CHKD.
1			
TUBS			
EQUIPMENT CORPORATION			
PANEL FRONT ASSEMBLY			
E-07006320-0-01			

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY/VARIATION													
MADE BY KEN GULICK		CHECKED D. HEALY		SECTION		7006320-1	7006320-2										
DATE 6/5/69		DATE 7/23/69		1													
ENG <i>Chalcraft</i>		PROD C. R. Thompson		ISSUED SECT.													
DATE 8-21-69		DATE 8-21-69		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
1	E-MD-7407395-0-0	PANEL MTG (TU56)				1	1										
2	D-IA-740958-0-0	PANEL OVERLAY				1	1										
3	900781	ADHESIVE SOLDER/HTP STRAY #77				A	RA/R										
4	9008133	WASH INT TOOTH #4				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	TAP 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-MD-7407283-1-0	TAP 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 TAP 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 1/8 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. TU56-00064			
				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		7006320-1	7006320-2										
DATE 6/5/69		DATE 7/25/69		1													
ENG <i>Chalcraft</i>		PROD C. R. Thompson		ISSUED SECT.													
DATE 8-26-69		DATE 8-26-69		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
23	9006331	SCR SOC HD CAP 6-32 X 5/8 LG BLK PASS.				4	8										
24	C-MD-7405136-1-0	REAR CHECK TAP GUIDE				2	4										
25	9006632	WASH INT TOOTH #4				2	4										
26	9007032	TIE WRAP #SST-2-R PANDUIT				A	RA/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	DOWEL PIN 1/8 DIA X 7/16 LG				4	8										
31	9008131	DOWEL PIN 1/8 DIA X 7/8 LG				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	RA/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															
H716-Ø	H716 P/S	X	X	X	X	X										

USED ON OPTIONS						
ADØ1						

REV. A	DATE 9/71	CHG. NO. 00003	APPD. PS	DRN. G FLANDERS CHK'D EGG. PROF. ENG. PWA. FIRST USED ON	DATE 7/27/71 DATE 8/27/71 DATE 8/27/71 DATE 8/27/71 DATE 8/31/71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE H716 POWER SUPPLY	SIZE CODE A ML	NUMBER H716-Ø	REV. A
				SCALE				SHEET 1 OF 2	DIST.

DRA 131
Dec 16-(325)-1048-N471

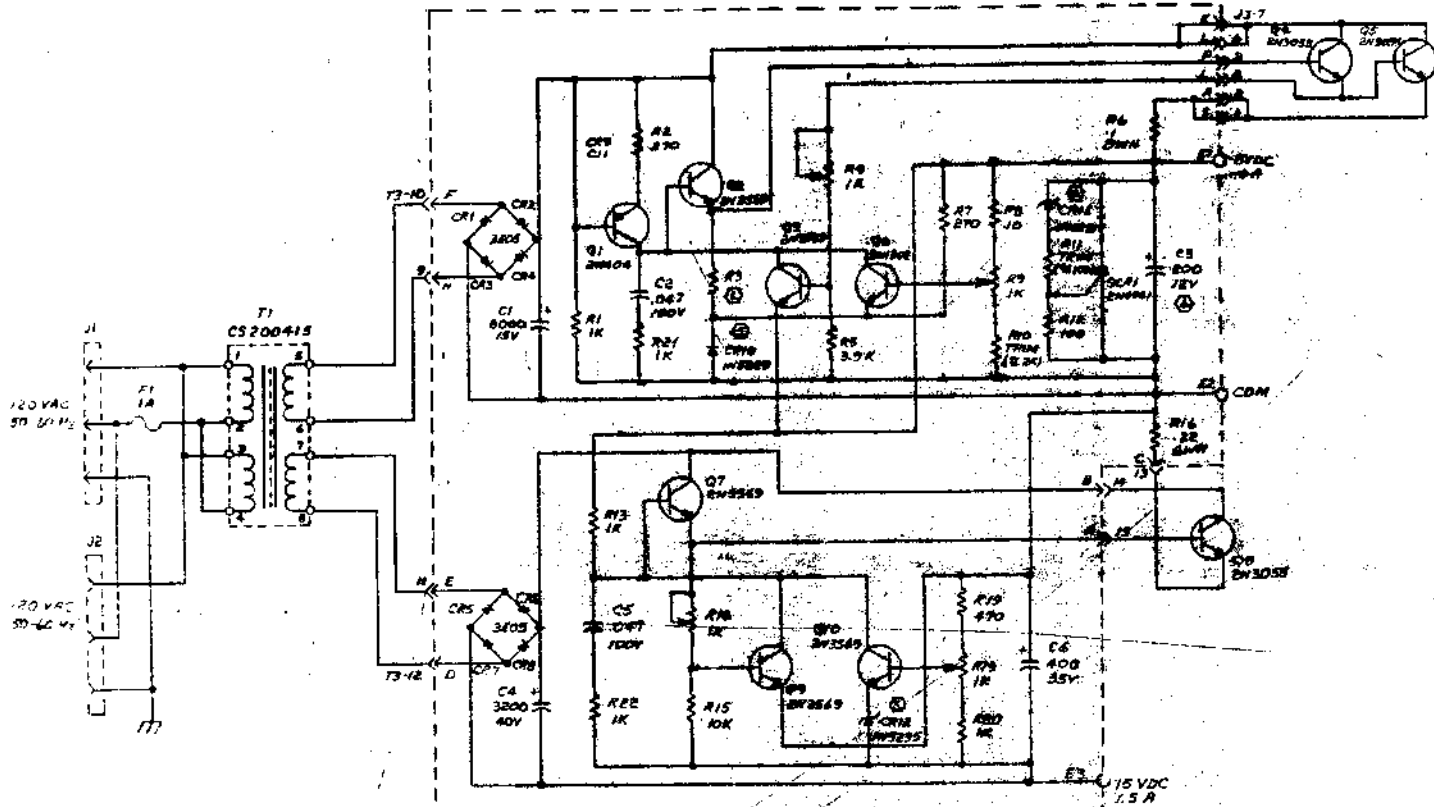
PRINT SET					DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.	
H716-Ø										
X					C-CS-3009282-0-0	B	1	H-716 P.S.		
X					D-UA-H716-Ø-Ø		2	POWER SUPPLY H716		
X					A-PL-H716-Ø-Ø		2	POWER SUPPLY H716		
X					A-PS-3009282-0-0	C	7	H716 POWER SUPPLY		
X					A-SP-H716-Ø-1		2	MODIFICATION PROCEDURE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

DRA 132
DEC 16 (325) 1048 1 N471

THE APPROX. AND DIMENSIONS SHOWN ARE FOR THE PARTS AS SUPPLIED BY THE MANUFACTURER. THE PARTS SHOULD BE REPRODUCED AS SHOWN IN THIS DRAWING OR AS PART OF THE DATA FOR THE MANUFACTURE OF THIS OR OTHER EQUIPMENT.

NOTES:

1. R3 IS A TRIM VALUE RESISTOR WITH AN APPROX VALUE OF "OPEN"
2. ALL RESISTANCE VALUES ARE EXPRESSED IN OHMS.
3. ALL RESISTORS ARE FIXED COMPOSITION 1/2 W. = 10%
4. ALL CAPACITOR VALUES ARE EXPRESSED IN MICROFARADS
5. CR10 MAY BE MOTOROLA NO. 2E13477-2
CR11 MAY BE MOTOROLA NO. 2E13477-4
CR12 MAY BE MOTOROLA NO. 2E13477-5
6. CAPACITORS C3 MAY BE TANTALUM 47UF, 6.3V
7. RESISTANCE VALUE FOR R10 CAN BE CHANGED DURING FINAL TEST.



THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO THE ARMOUR ELECTRONICS CORPORATION AND IS SUPPLIED AS MAINTENANCE INFORMATION ONLY. THE REPRODUCTION OF THIS PRODUCT IN PART OR IN WHOLE IS STRICTLY PROHIBITED.
CONTENTS TAKEN FROM DWO730-CS 2004 REV D

DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 DATE: [Date]
 REVISIONS: [Table]

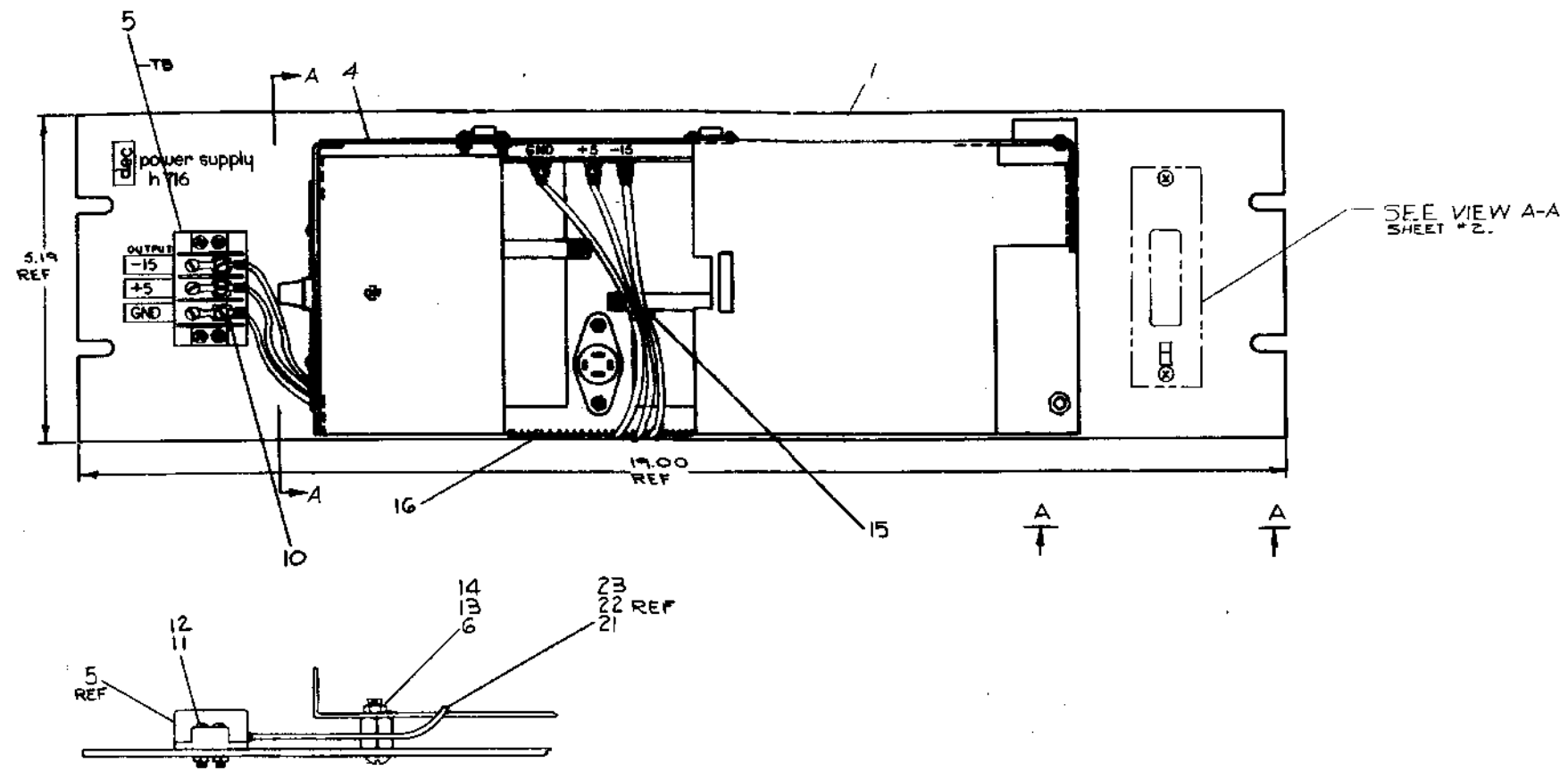
FIRST USED ON (OPTIONAL)	QTY.	DESCRIPTION	PART NO.	ITEM
PARTS LIST				
UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES		DATE	EQUIPMENT CORPORATION	
TOLERANCE		DATE	H-716P.S.	
DECIMALS	ANGLES	DATE	REV. C	
1/16" = .0625"	10° ± 30'	DATE		
1/32" = .03125"		DATE		
1/64" = .015625"		DATE		
REMOVE DIMENSIONS AND DIMENSION GROUPS WHERE APPROPRIATE				
MATERIAL	NEXT HIGHER ASSY.	CODE	REV.	
POWER	SCALE NONE	DCS 3009282-0-0	C	
	SHEET 1 OF 1			

DCS 3009282-0-0 C

See drawing and specifications, herein, for the proper use of this equipment. This drawing and specifications are subject to change without notice and are not to be used for the manufacture or use of this equipment without permission.

LEGEND	
NUMBER	VARIATION
H716-Ø	W/ANLESS PS WITH 110V RECEPTACLE
H716-A	H716 WITH 230V RECEPTACLE
H716-B	1Ø 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) REMOVE EXISTING DECAL AND ADD NEW DECAL (ITEM #25).



REV. 1	DESCRIPTION	DATE	BY
REV. 2			
REV. 3			
REV. 4			
REV. 5			
REV. 6			
REV. 7			
REV. 8			
REV. 9			
REV. 10			
REV. 11			
REV. 12			
REV. 13			
REV. 14			
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REV. 93			
REV. 94			
REV. 95			
REV. 96			
REV. 97			
REV. 98			
REV. 99			
REV. 100			

AD01

EQUIPMENT CORPORATION

POWER SUPPLY H716

DWG H716-Ø-Ø

REVISIONS
 DATE
 BY
 CHKD

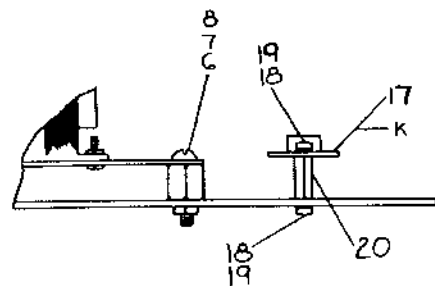
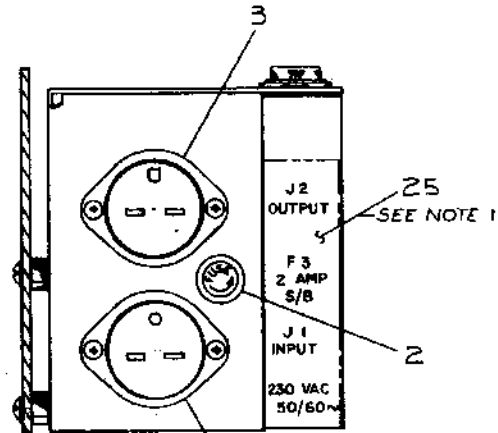
1. This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied in whole or in part or used in any way for the manufacture or sale of items without written permission.

WIRE TABLE H716-B&D

ITEM NO.	AWG	COLOR	FROM CONNECTION	WITH	TO CONNECTION	WITH
23	18	BLK	PS-GND	9	TB-GND	10
21	18	RED	PS-+5	9	TB-+5	10
22	18	BLU	PS--15	9	TB--15	10

WIRE TABLE H716-C

ITEM NO.	AWG	COLOR	FROM CONNECTION	WITH	TO CONNECTION	WITH
23	18	BLK	PS-GND	26	TB-GND	10
23	18	BLK	PS-GND	26	K-GND	SOLDER
21	18	RED	PS-+5	26	TB-+5	10
21	18	RED	PS-+5	26	K-+5	SOLDER
22	18	BLU	PS--15	9	K--15	SOLDER
22	18	BLU	K--15	9	TB--15	10



VIEW A-A
FOR H716-C

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN DATE CHK'D DATE	 EQUIPMENT CORPORATION POWER SUPPLY H716	
DECIMALS	ANGLES		
XXX - DIM XX - DR	10° 30'	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	
MATERIAL	FINISH	SCALE SHEET 2 OF 2	

PART NO. DAH716-0-0
 REV. 0

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION														
PARTS LIST				H716-β	H716-A	H716-B	H716-C	H716-D										
MADE BY G. FLANDERS		CHECKED <i>J.P. Conroy</i>		SECTION 1														
DATE 7-22-71		DATE 8-22-71		ISSUED SECT. 1														
ENG <i>P. Sargent</i>		PROD <i>Be. Strong</i>																
DATE 8/22/71		DATE 9/21/71																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		H716-β	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 1/2 AF X 5/8 LG 6-32		-	-	-	2	-										
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-β-β		SIZE CODE A PL		NUMBER H716-β-β		REV.		ECO NO.						
				SHEET 1 OF 2		DIST. 6												

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION														
PARTS LIST				H716-β	H716-A	H716-B	H716-C	H716-D										
MADE BY G. FLANDERS		CHECKED <i>J.P. Conroy</i>		SECTION 1														
DATE 7-22-71		DATE 8-22-71		ISSUED SECT. 1														
ENG <i>P. Sargent</i>		PROD <i>Be. Strong</i>																
DATE 8/22/71		DATE 9/21/71																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		H716-β	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		1	-	-	2	-										
TITLE H716 POWER SUPPLY				ASSY NO. D-UA-H716-β-β		SIZE CODE A PL		NUMBER H716-β-β		REV.		ECO NO.						
				SHEET 2 OF 2		DIST.												

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

ig EQUIPMENT CORPORATION PURCHASE SPECIFICATION H716 POWER SUPPLY	Number 30-09282 Rev C Date 1/6/69
	Changes: Change No. A: SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. MUSTY 10/23/70 B: APPLICABLE CHANGED TO APPROXIMATE AND MODEL. DIMENSIONS CHANGED. C: CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.
MECHANICAL: 1. Maximum Dimensions 5-1/4 H x 4-1/8 W x 12 D. Must mount on right end of DMC H911 Mounting Panel. 2. Power input via AMOV MANT 5278 (or equivalent) connected with an AMOV 5284 (or equivalent) in parallel. Receptacles to be mounted in rear panel. 3. Sheet metal construction to be sufficiently rigid to sustain without damage normal shipping shocks when riveted to an H911 Mounting Panel mounted in DMC standard 19" cabinet. 4. Electrical connections (low voltage) by Paston Amp #42117-2 terminals. SOLDER FASTONS AND FUSE CLIPS TO RIVETS ON BOTH SIDES OF P/C BOARD.	Eng. R. C. G. OC Drawn G. C. OC Checked R. C. G. OC TITLE: H 716 POWER SUPPLY Unless other specified use: Fractions * Decimals * Angles * Sheet 1 of 7 Scale Number 30-09282 Rev C 100-4 63
ELECTRICAL: 1. Input: 47-63 Hz. (Normally supplied wire for 117 V, may be changed by transformer tap connections.) 105-130 V, 117 V nominal. .210-260 V, 234 V. Nominal. 2. Output 1: +5 volts (adjustable over range of 4.5 to 5.5) 0 - 4 AMP MAXIMUM. Line-Load-Ripple total regulation $\pm 1\%$. Overvoltage protection threshold at 6-6.3 with a Response time of 10-50 microseconds. Maximum voltage not to exceed 7 V. 3. Output 2: -15 volts $\pm 9\%$ at 0 - 1.5 AMP MAXIMUM. Line-Load-Ripple total regulation $\pm 1\%$. 4. Above specifications over temperature 0-55°C ambient. 5. Sheet #7 is AC Protection Bracket.	

FILED ONLY: 1002, DMS
 D.E.C. PART NO. 30-09282

ig EQUIPMENT CORPORATION PURCHASE SPECIFICATION	Number 30-09282 Rev C Date 1/6/69
	Changes: Change No. A: SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. MUSTY 10/23/70 B: APPLICABLE CHANGED TO APPROXIMATE AND MODEL. DIMENSIONS CHANGED. C: CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.
	TITLE: H 716 POWER SUPPLY Unless other specified use: Fractions * Decimals * Angles * Sheet 1 of 7 Scale Number 30-09282 Rev C 100-4 63
D.E.C. PART NO. 30-09282	SHEET 1 OF 7 PART NO. 30-09282

ig EQUIPMENT CORPORATION PURCHASE SPECIFICATION	Number 30-09282 Rev C Date 1/8/69
	Changes: Change No. A: SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. MUSTY 10/23/70 B: APPLICABLE CHANGED TO APPROXIMATE AND MODEL. DIMENSIONS CHANGED. C: CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.
	SHEET 2 OF 7 PART NO. 30-09282
D.E.C. PART NO. 30-09282	SHEET 2 OF 7 PART NO. 30-09282

ig EQUIPMENT CORPORATION PURCHASE SPECIFICATION	Number 30-09282 Rev C Date 1/8/69
	Changes: Change No. A: SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. MUSTY 10/23/70 B: APPLICABLE CHANGED TO APPROXIMATE AND MODEL. DIMENSIONS CHANGED. C: CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.
	SHEET 3 OF 7 PART NO. 30-09282
D.E.C. PART NO. 30-09282	SHEET 3 OF 7 PART NO. 30-09282

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Fleming</i>		SECTION		H716-Ø	H716-A	H716-B	H716-C	H716-D										
DATE 7-22-71		DATE 8-27-71		1																
ENG <i>J. Severin</i>		PROD <i>He. Stungl</i>		ISSUED SECT.																
DATE 8/27/71		DATE 7/2/71		1																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
1	D-IA-7408142-0-0	MOUNTING PAN'L 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	3009292	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 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 1/4 AF X 5/8 LG 6-32		-	-	-	2	-												

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

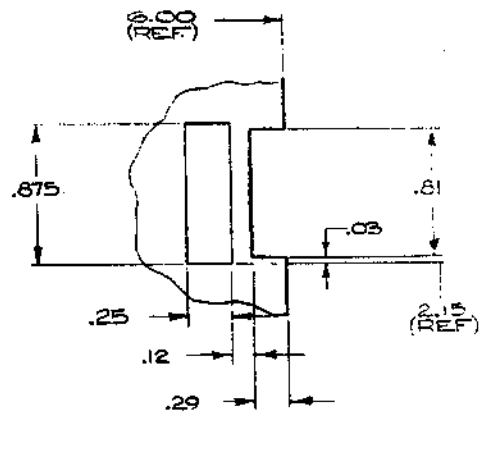
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY G. FLANDERS		CHECKED <i>J.F. Fleming</i>		SECTION		H716-Ø	H716-A	H716-B	H716-C	H716-D										
DATE 7-22-71		DATE 8-27-71		1																
ENG <i>J. Severin</i>		PROD <i>He. Stungl</i>		ISSUED SECT.																
DATE 8/27/71		DATE 7/2/71		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		-	1	-	2	-												

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

<p>digital EQUIPMENT CORPORATION PURCHASE SPECIFICATION</p> <p style="text-align: center;">#716 POWER SUPPLY</p> <p>Mechanical</p> <ol style="list-style-type: none"> Maximum Dimensions 5-1/4 H x 4-1/8 W x 12 D. Must mount on right end of BNC #911 Mounting Panel. See attached sketch. Power input via WAT 8278 (or equivalent) connected with an WAT 8278 (or equivalent) in parallel. Receptacles to be mounted in rear panel. Sheet metal construction to be sufficiently rigid to sustain without damage normal shipping shocks when riveted to an #911 Mounting Panel mounted in BNC standard 19" cabinet. Electrical connections (low voltage) by Faston Amp #42117-2 terminals. SOLDER FASTONS AND FUSE CLIPS TO RIVETS ON BOTH SIDES OF P/C BOARD. <p>Electrical</p> <ol style="list-style-type: none"> Input: 47-63 Hz. (Normally supplied wire for 117 V, may be changed by transformer tap connections.) 105-130 V, 117 V nominal. 210-260 V, 234 V. Nominal. Output 1: +5 volts (adjustable over range of 4.5 to 5.5) 0-1 AMP MAXIMUM. Line-Load-Ripple total regulation $\pm 3\%$. Overvoltage protection threshold at 6-6.5 with a response time of 10-50 microseconds. Maximum voltage not to exceed 7 V. Output 2: -15 volts $\pm 3\%$ at 0-1.5 AMP MAXIMUM. Line-Load Ripple total regulation $\pm 3\%$. Above specifications over temperature 0-55°C ambient. Sheet #7 in AC Protection Bracket. 	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Number 30-09282</td> <td style="text-align: center;">Rev C</td> </tr> <tr> <td colspan="2">Date 1/8/69</td> </tr> <tr> <td colspan="2" style="text-align: center;">Revisions</td> </tr> <tr> <td style="width: 50%;">Change No.</td> <td style="width: 50%;">Description</td> </tr> <tr> <td>A1</td> <td>SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. NUNBY 10/23/70</td> </tr> <tr> <td>B1</td> <td>APPHENDIX CHANGED TO APPROX PART AND HURRELL. DIMENSIONS CHANGED.</td> </tr> <tr> <td>C1</td> <td>CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%;">Eng. <i>R. G. Galt</i></td> <td style="width: 50%;">QC <i>R. Galt</i></td> </tr> <tr> <td>Drawn <i>R. Galt</i></td> <td>Func. <i>R. Galt</i></td> </tr> </table> <p style="text-align: center;">TITLE: # 716 POWER SUPPLY</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td colspan="3" style="text-align: center;">Unless other specified use:</td> </tr> <tr> <td style="text-align: center;">Fractions ±</td> <td style="text-align: center;">Decimals ±</td> <td style="text-align: center;">Angles ±</td> </tr> <tr> <td style="text-align: center;">Sheet 1 of 2</td> <td colspan="2" style="text-align: center;">Scale</td> </tr> <tr> <td style="text-align: center;">Number 30-09282</td> <td style="text-align: center;">Rev C</td> <td style="text-align: center;">100-4 63</td> </tr> </table>	Number 30-09282	Rev C	Date 1/8/69		Revisions		Change No.	Description	A1	SOLDER OUTPUT LEADS AND FUSE CLIPS TO RIVETS. R. NUNBY 10/23/70	B1	APPHENDIX CHANGED TO APPROX PART AND HURRELL. DIMENSIONS CHANGED.	C1	CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.	Eng. <i>R. G. Galt</i>	QC <i>R. Galt</i>	Drawn <i>R. Galt</i>	Func. <i>R. Galt</i>	Unless other specified use:			Fractions ±	Decimals ±	Angles ±	Sheet 1 of 2	Scale		Number 30-09282	Rev C	100-4 63
Number 30-09282	Rev C																														
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Unless other specified use:																															
Fractions ±	Decimals ±	Angles ±																													
Sheet 1 of 2	Scale																														
Number 30-09282	Rev C	100-4 63																													

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

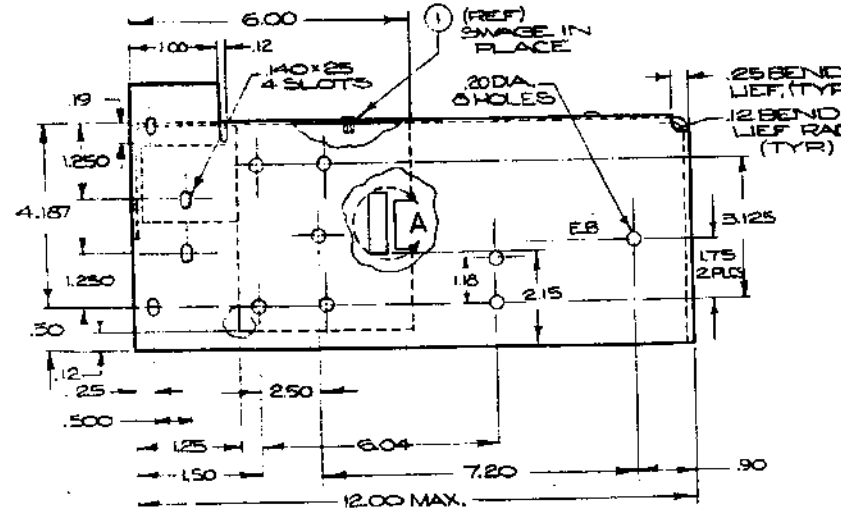
<p>digital EQUIPMENT CORPORATION PURCHASE SPECIFICATION</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Number 30-09282</td> <td style="text-align: center;">Rev C</td> </tr> <tr> <td colspan="2">Date 1/8/69</td> </tr> </table>	Number 30-09282	Rev C	Date 1/8/69	
Number 30-09282	Rev C				
Date 1/8/69					



DETAIL A

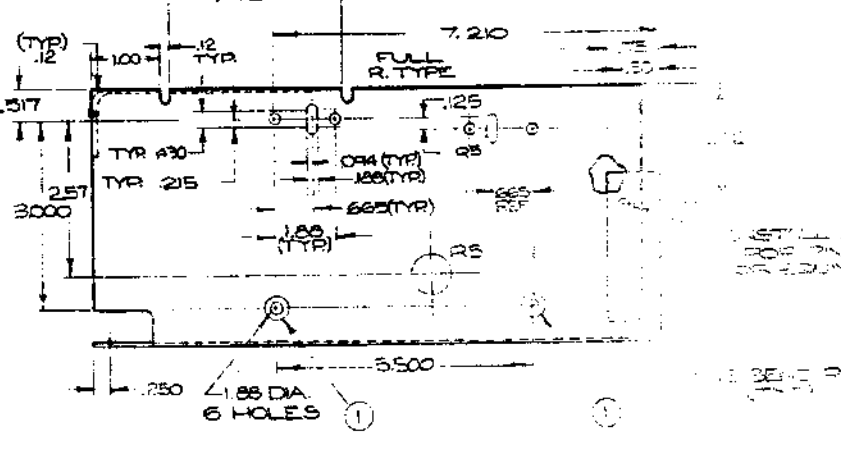
D.E.C. PART NO. 30-09282

<p>digital EQUIPMENT CORPORATION PURCHASE SPECIFICATION</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Number 30-09282</td> <td style="text-align: center;">Rev C</td> </tr> <tr> <td colspan="2">Date 1/8/69</td> </tr> </table>	Number 30-09282	Rev C	Date 1/8/69	
Number 30-09282	Rev C				
Date 1/8/69					

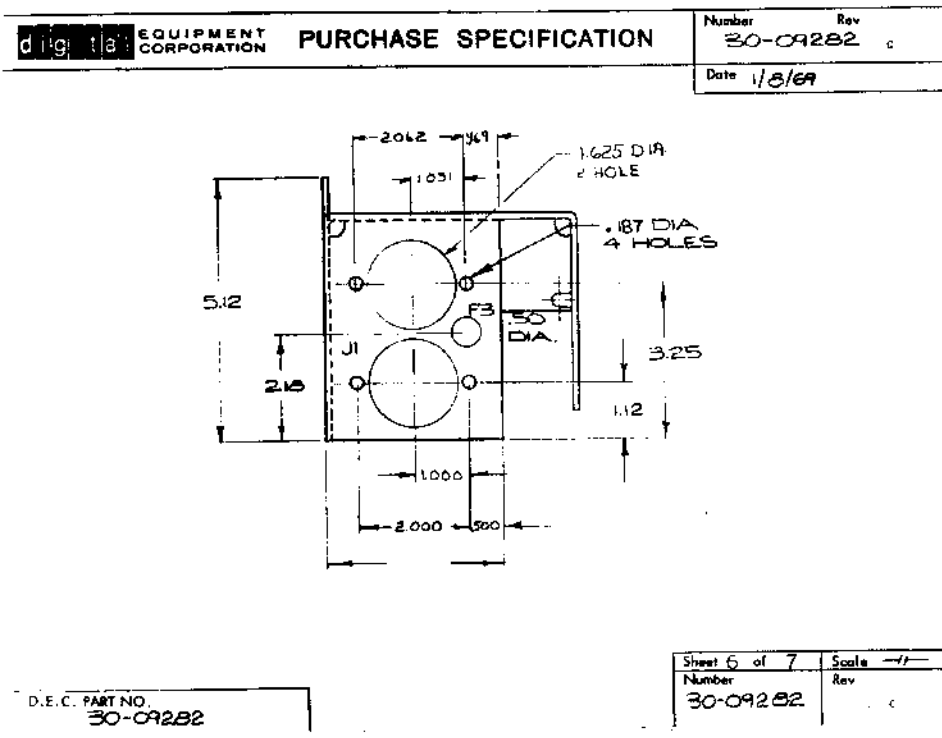
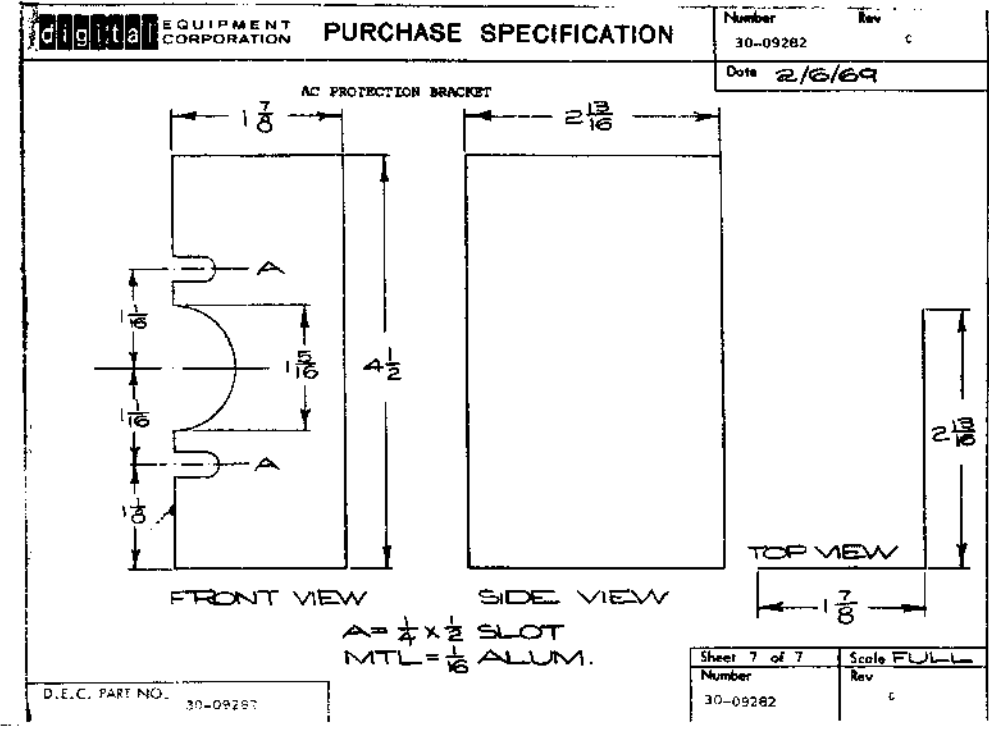
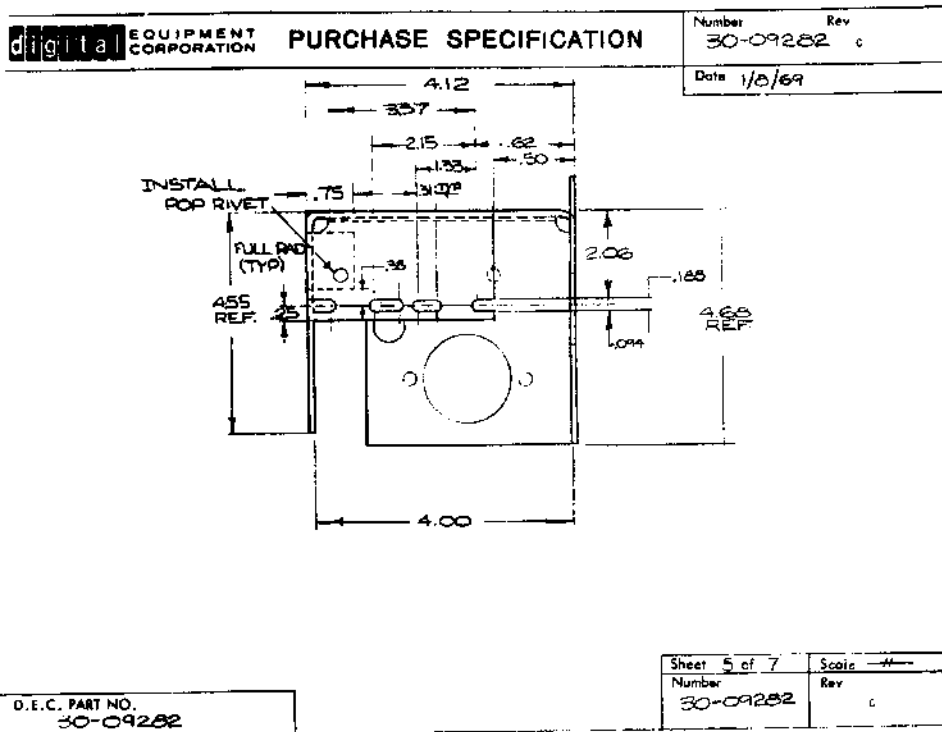


D.E.C. PART NO. 30-09282

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

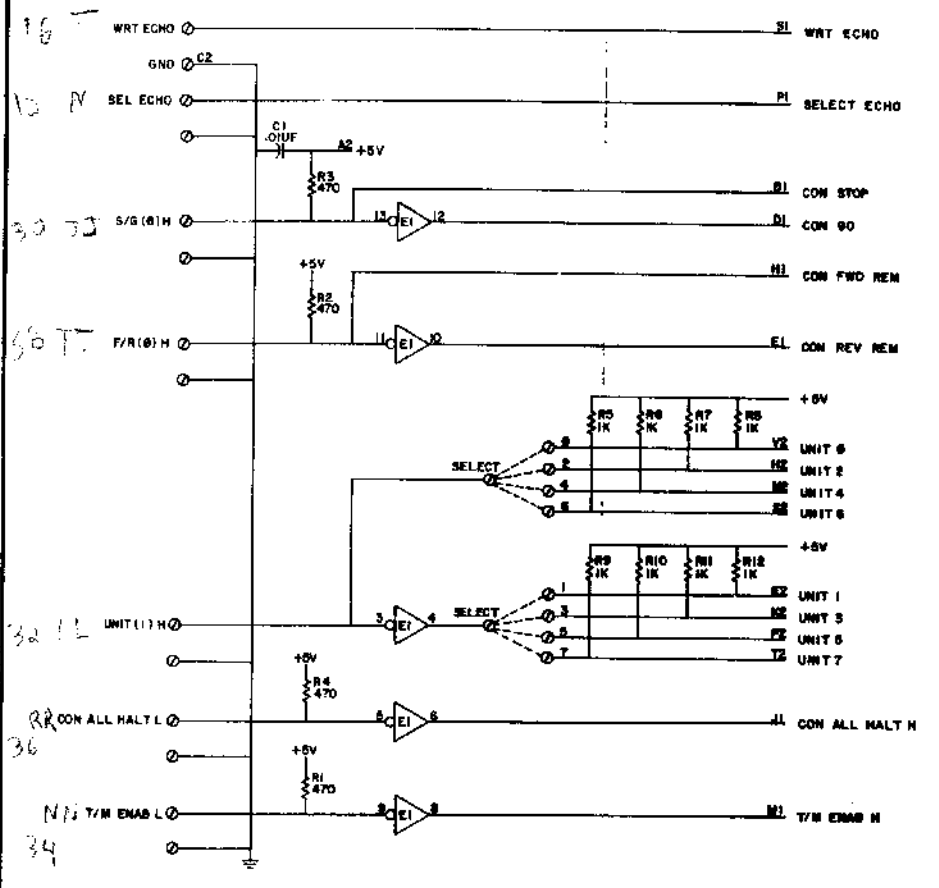


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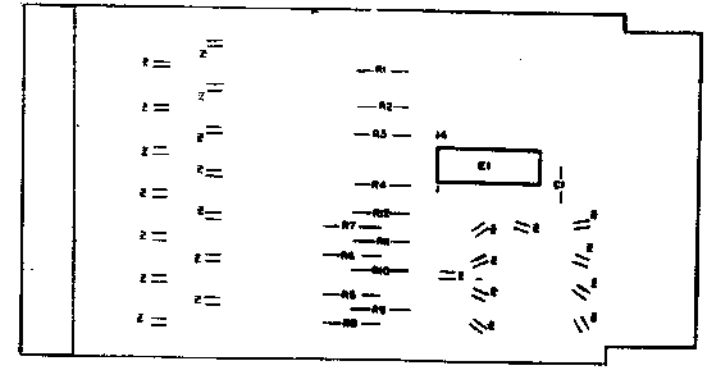
DIGITAL EQUIPMENT CORPORATION						
MAYNARD, MASSACHUSETTS						
						DATE 2/18/71
TITLE Modification Procedure for H716						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
ENG <i>P.V. Brown</i>		APPD <i>H. Stenger</i>		SIZE A	CODE SP	NUMBER H716-0-1
DEC FORM NO. DRA 107A		SHEET 1		OF 2		REV

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.								
<ol style="list-style-type: none"> 1) Replace the male AC power connector with DEC Part #90-8854 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	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>From</u></td> <td style="text-align: center;"><u>To</u></td> </tr> <tr> <td>Terminal 1</td> <td>Terminal 3</td> </tr> <tr> <td>Terminal 2</td> <td>Terminal 4</td> </tr> </table>	<u>From</u>	<u>To</u>	Terminal 1	Terminal 3	Terminal 2	Terminal 4	
<u>From</u>	<u>To</u>							
Terminal 1	Terminal 3							
Terminal 2	Terminal 4							
Add 18 AWG	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>From</u></td> <td style="text-align: center;"><u>To</u></td> </tr> <tr> <td>Terminal 2</td> <td>Terminal 3</td> </tr> </table>	<u>From</u>	<u>To</u>	Terminal 2	Terminal 3			
<u>From</u>	<u>To</u>							
Terminal 2	Terminal 3							
SIZE A		CODE SP						
NUMBER H716-0-1		REV						
DEC FORM NO. DRA 108		SHEET 2 OF 2						

THIS SCHEMATIC IS EQUIPPED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE COMPANY AND INDUSTRY OF FACTORY AND OFFICE IS TRUSTED ACCORDINGLY SUPPLEMENT (S7) BY DIGITAL EQUIPMENT CORPORATION



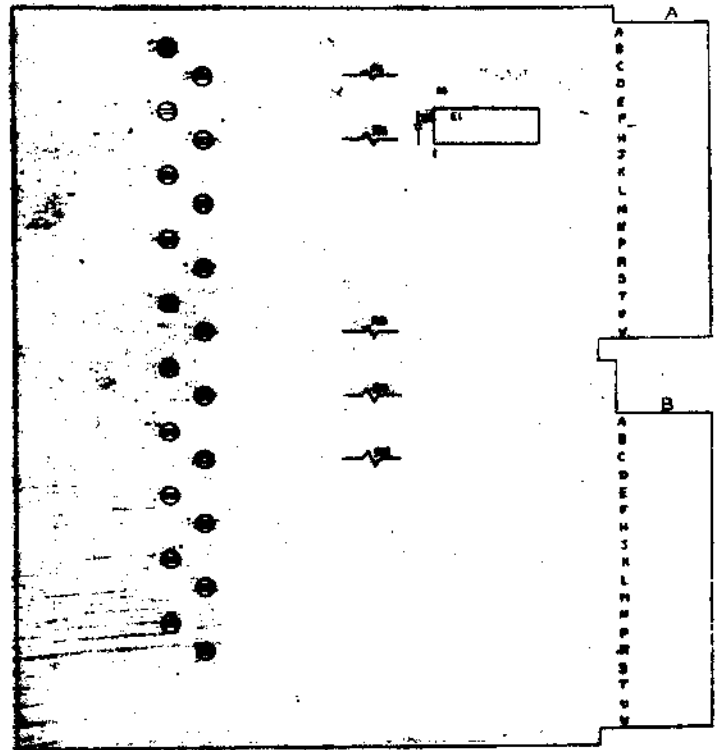
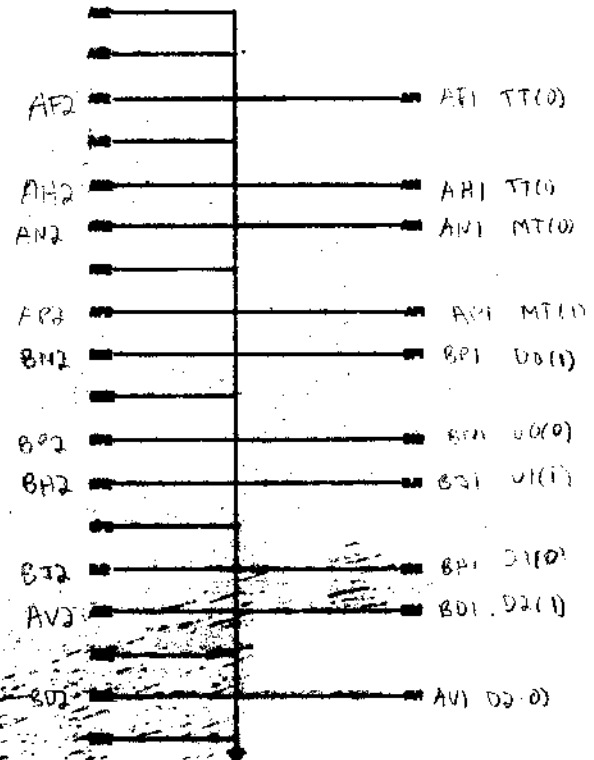
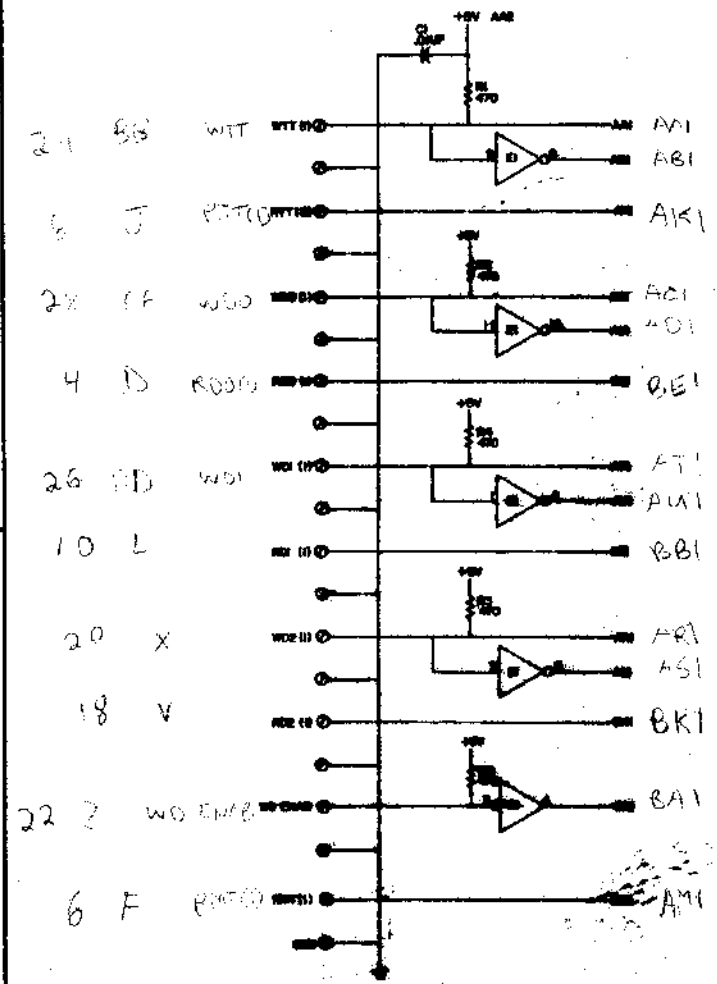
○---○ INDICATES OPTIONAL JUMPERS



7	RELAY - PIN-1 TERM	9264711	16
8	RELAY - PIN-2 TERM	9264715	17
9	TC - PIN-1 TERM	1500011	18
10	REL - PIN-1 TERM	1300165	19
11	REL - PIN-2 TERM	1300166	20
12	REL - PIN-3 TERM	1001610	21
13	REL - PIN-4 TERM	1001611	22
14	REL - PIN-5 TERM	1001612	23
15	REL - PIN-6 TERM	1001613	24
16	REL - PIN-7 TERM	1001614	25
17	REL - PIN-8 TERM	1001615	26
18	REL - PIN-9 TERM	1001616	27
19	REL - PIN-10 TERM	1001617	28
20	REL - PIN-11 TERM	1001618	29
21	REL - PIN-12 TERM	1001619	30
22	REL - PIN-13 TERM	1001620	31
23	REL - PIN-14 TERM	1001621	32
24	REL - PIN-15 TERM	1001622	33
25	REL - PIN-16 TERM	1001623	34
26	REL - PIN-17 TERM	1001624	35
27	REL - PIN-18 TERM	1001625	36
28	REL - PIN-19 TERM	1001626	37
29	REL - PIN-20 TERM	1001627	38
30	REL - PIN-21 TERM	1001628	39
31	REL - PIN-22 TERM	1001629	40
32	REL - PIN-23 TERM	1001630	41
33	REL - PIN-24 TERM	1001631	42
34	REL - PIN-25 TERM	1001632	43
35	REL - PIN-26 TERM	1001633	44
36	REL - PIN-27 TERM	1001634	45
37	REL - PIN-28 TERM	1001635	46
38	REL - PIN-29 TERM	1001636	47
39	REL - PIN-30 TERM	1001637	48
40	REL - PIN-31 TERM	1001638	49
41	REL - PIN-32 TERM	1001639	50
42	REL - PIN-33 TERM	1001640	51
43	REL - PIN-34 TERM	1001641	52
44	REL - PIN-35 TERM	1001642	53
45	REL - PIN-36 TERM	1001643	54
46	REL - PIN-37 TERM	1001644	55
47	REL - PIN-38 TERM	1001645	56
48	REL - PIN-39 TERM	1001646	57
49	REL - PIN-40 TERM	1001647	58
50	REL - PIN-41 TERM	1001648	59
51	REL - PIN-42 TERM	1001649	60
52	REL - PIN-43 TERM	1001650	61
53	REL - PIN-44 TERM	1001651	62
54	REL - PIN-45 TERM	1001652	63
55	REL - PIN-46 TERM	1001653	64
56	REL - PIN-47 TERM	1001654	65
57	REL - PIN-48 TERM	1001655	66
58	REL - PIN-49 TERM	1001656	67
59	REL - PIN-50 TERM	1001657	68
60	REL - PIN-51 TERM	1001658	69
61	REL - PIN-52 TERM	1001659	70
62	REL - PIN-53 TERM	1001660	71
63	REL - PIN-54 TERM	1001661	72
64	REL - PIN-55 TERM	1001662	73
65	REL - PIN-56 TERM	1001663	74
66	REL - PIN-57 TERM	1001664	75
67	REL - PIN-58 TERM	1001665	76
68	REL - PIN-59 TERM	1001666	77
69	REL - PIN-60 TERM	1001667	78
70	REL - PIN-61 TERM	1001668	79
71	REL - PIN-62 TERM	1001669	80
72	REL - PIN-63 TERM	1001670	81
73	REL - PIN-64 TERM	1001671	82
74	REL - PIN-65 TERM	1001672	83
75	REL - PIN-66 TERM	1001673	84
76	REL - PIN-67 TERM	1001674	85
77	REL - PIN-68 TERM	1001675	86
78	REL - PIN-69 TERM	1001676	87
79	REL - PIN-70 TERM	1001677	88
80	REL - PIN-71 TERM	1001678	89
81	REL - PIN-72 TERM	1001679	90
82	REL - PIN-73 TERM	1001680	91
83	REL - PIN-74 TERM	1001681	92
84	REL - PIN-75 TERM	1001682	93
85	REL - PIN-76 TERM	1001683	94
86	REL - PIN-77 TERM	1001684	95
87	REL - PIN-78 TERM	1001685	96
88	REL - PIN-79 TERM	1001686	97
89	REL - PIN-80 TERM	1001687	98
90	REL - PIN-81 TERM	1001688	99
91	REL - PIN-82 TERM	1001689	100

ES-CORPORATION
 EQUIPMENT CORPORATION
 COMMAND CABLE CONNECTOR
 MODEL 1000-0-1

8000 20
 A02 BE2
 002 BL2
 102
 AT2



Pin	Signal Name	Function	Notes
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

DATA CABLE CONNECTOR

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				LEGEND		QUANTITY/VARIATION											
ACCESSORY LIST				0	DOCUMENT												
MADE BY J. McCluskey		CHECKED <i>[Signature]</i>		SECTION		PA	PAPER TAPE ASCII					KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
DATE 4/7/72	DATE 4/7/72	ISSUED SECT.		PB	PAPER TAPE BINARY												
ENG <i>[Signature]</i>		PROD <i>[Signature]</i>		ISSUED SECT.		PM	PAPER TAPE READ-IN-MODE										
DATE 4/7/72	DATE 4/7/72																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION					TDS-E	TDS-E-H	TDS-E-J	TDS-E-M	TDS-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-II 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-ER 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				0	DOCUMENT												
MADE BY J. McCluskey		CHECKED <i>[Signature]</i>		SECTION		PA	PAPER TAPE ASCII					KIT CHECK	BY	DATE	INSTALLATION CHECK	BY	DATE
DATE 4/7/72	DATE 4/7/72	ISSUED SECT.		PB	PAPER TAPE BINARY												
ENG <i>[Signature]</i>		PROD <i>[Signature]</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

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TWX: 710-347-0212 Cable: DIGITAL MAYN Telex: 94-945Z

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