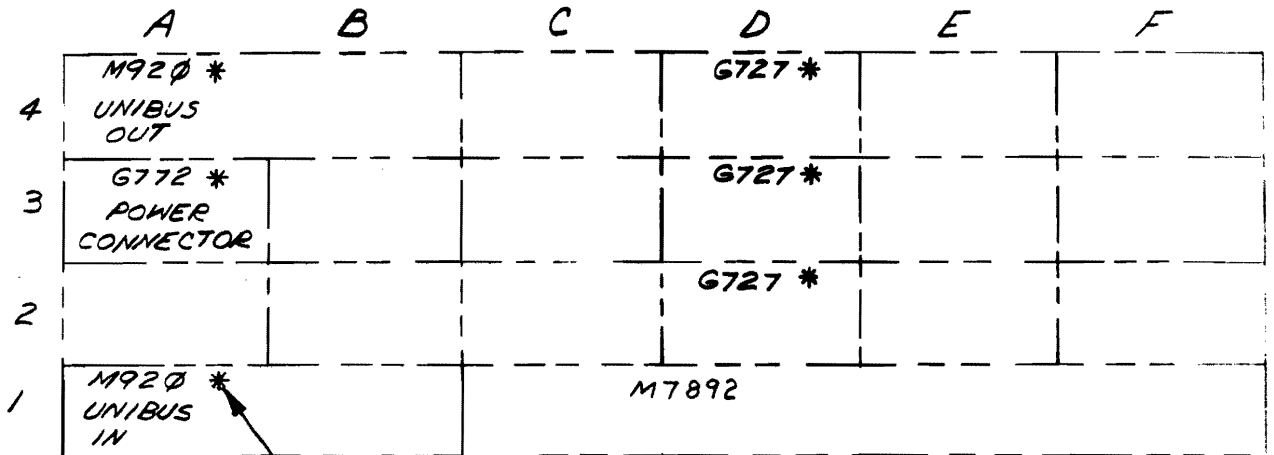
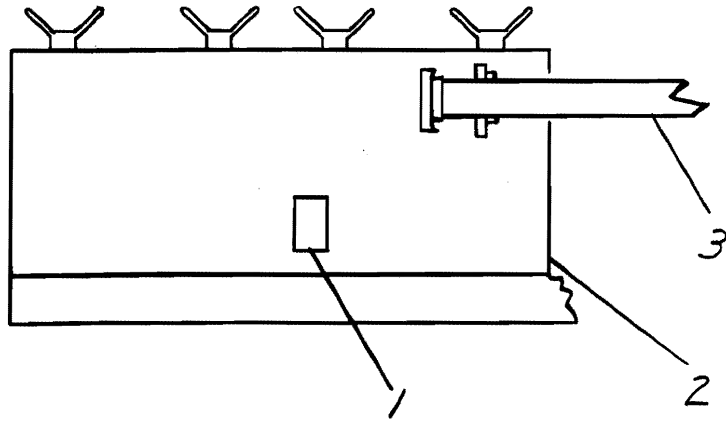


TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
TA11 CASSETTE INTERFACE	B DD	TA11-0		

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NOTES:
 1. ITEMS INDICATED WITH ASTERICKS (*) ARE SHOWN FOR REFERENCE ONLY AND ARE NOT PART OF THIS UNIT.



SEE NOTE #1

DD11-A *
OR
DD11-B *

TAIL-AB	TAIL-AA	TAIL-Ø			
1	-	-	TULO-AB RACKMOUNT 230V	D-UA-TU60-AB-Ø	5
-	1	-	TULO-AA RACKMOUNT 115V	D-UA-TULO-AA-Ø	4
2	2	2	J/D CABLE ASSY	C-IA-BC005-15-0	3
1	1	1	CASSETTE INTERFACE	DCS-M7892-B-1	2
1	1	1	PRIORITY JUMPER LEVEL #6	C-IA-5A05703-00	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES			
.xxx = .005	:0 30'			
.xx = .02				
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1				
MATERIAL				
NEXT HIGHER ASSY.				
B-DD-TAIL-Ø				
FINISH				
SCALE NONE				
SHEET 1 OF 1				

PARTS LIST		TITLE	
digital EQUIPMENT CORPORATION MAYNARD MASS.-CHUSETTS		TAIL CASSETTE INTERFACE	
SIZE CODE	NUMBER	REV.	
C UA	TAIL-Ø-Ø		
DIST.			

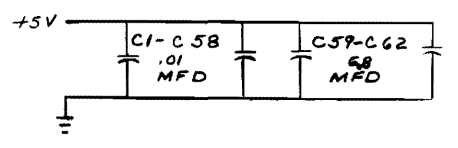
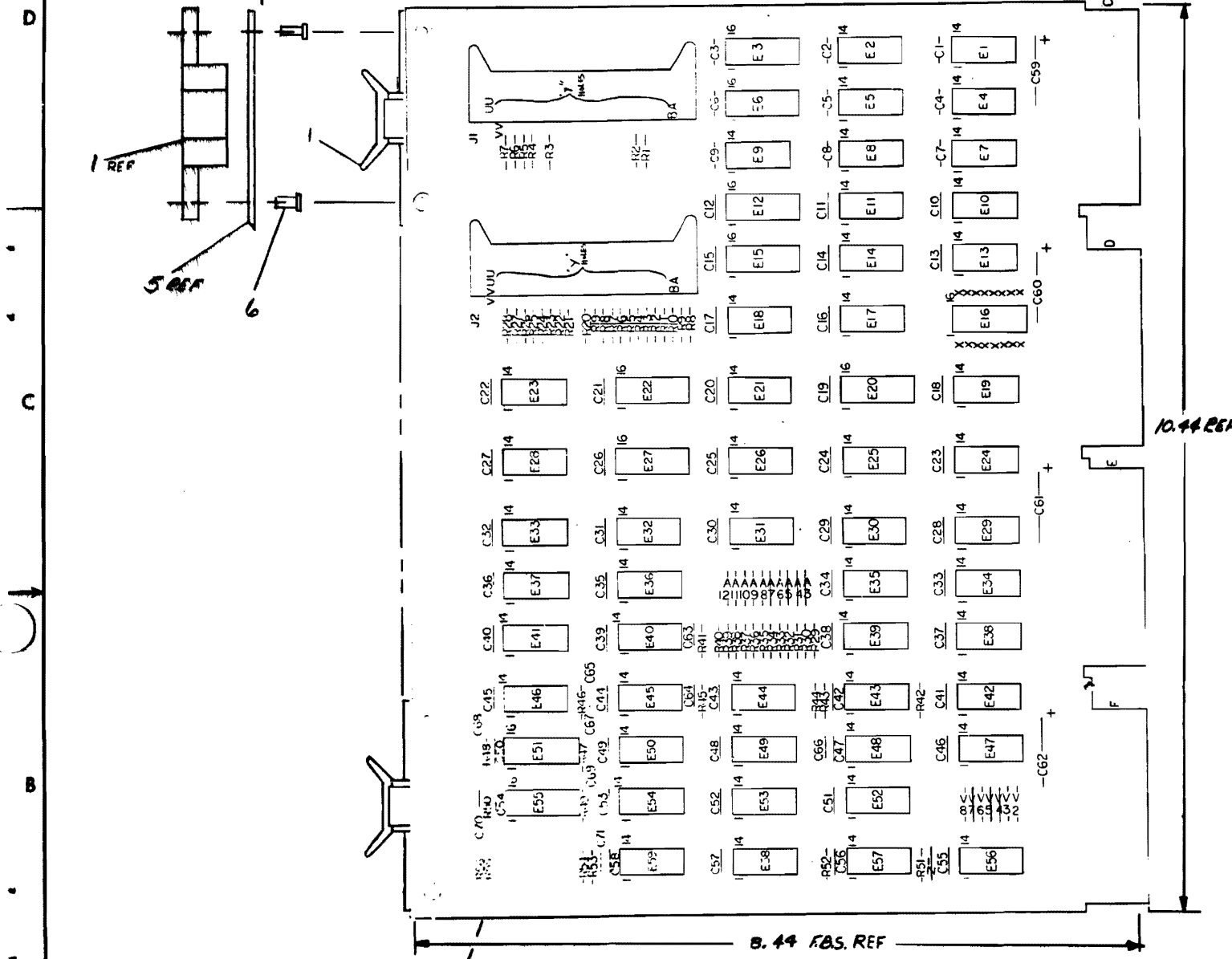
REVISIONS	REV
CHANGE NO	
CHK	

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NOTES:

- UNLESS OTHERWISE INDICATED RESISTORS ARE 10K, 1/4W, 5% AND CAPACITOR VALUES IN PICO FARADS.
- ADDRESS JUMPERS ARE INSERTED FOR A ZERO
- VECTOR JUMPERS ARE INSERTED FOR A ONE.

4. ON ITEM NO. 40, ALL 13 CHIPS MUST BE EITHER DEC 380'S OR ITS' SUBSTITUTE 11380 IC'S. COMBINATIONS ARE NOT ALLOWED ON THE SAME OPTION.



* SEE ALLOWABLE SUBSTITUTION LIST < NOTE 4

ORIG. PART NO	SUBSTITUTE DESCRIPTION	PART NO.	ITEM NO.
1903485	IC. 11380	1911113	40

IC TYPE	QTY	REF
IC 74123	8	16
IC 380	1	8
IC 115603	8	16
IC 115600	8	16
IC 74174	8	16
IC 74175	8	16
IC TYPE	GND	+5V

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

IC PIN LOCATIONS

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
		HANDLE - FLIP CHIP, MAGENTA	9009337-6	1
		X-Y COORDINATE HOLE LOCATION	K-00-0282-0-4	2
		ASSY/DRILLING HOLE LAYOUT	D-M-10002-0-5	3
		MINOR ESD HISTORY	R-M-10002-0-6	4
1		ETCHED CIRCUIT BOARD	5010508	5
8		ETIQUETTE (G5-4-7 STIMPSON)	9006732	6
2	J1, J2	BIBBS 40 PIN CONNECTOR	1209941	7
2	C67, C70	CAP 270 MWF 100V 5% DM	1000022	8
1	C71	CAP 330 MWF 100V 5% DM	1000023	9
4	C63, C64, C65, C66	CAP 470 MWF 100V 5% DM	1000024	10
2	C68, C69	CAP 580 MWF 100V 5% DM	1000025	11
4	C54-C62	CAP 6.8 MFD 35V 10% TANT	1005306	12
58	C1-C58	CAP .01 MFD 100V 20%	1001810-01	13
1	E16	SOCKET I.C.	1209838	14
1	R53	RES 47 1/4W 5%	1300202	15
4	R41, R43, R45, R46	RES 100 1/4W 5%	1300229	16
8	R2, R3, R15, R16, R21, R22, R23, R24	RES 120 1/4W 5%	1300247	17
1	R51	RES 380 1/4W 5%	1300309	18
11	R8-R14, R17-R20	RES 470 1/4W 5%	1300316	19
3	R40, R44, R54	RES 1K 1/4W 5%	1300385	20
18	R29-R39, R47-P50, R52, R55, R56	RES 10K 1/4W 5%	1300479	21
9	R1, R4-R7, R25, R26, R27, R42	RES 180 1/4W 5%	1301322	22
1	R24	RES 2K 1/4W 5%	1302388	23
1	E22	IC. DEC IM5603	23021A2	24
4	E31, E41, E50, E53	I.C. DEC 7414	1905547	25
4	E40, E44, E45, E52	I.C. DEC 7400	1905575	26
1	E25	I.C. DEC 7450	1905680	27
2	E21, E49	I.C. DEC 7402	1906004	28
1	E54	I.C. DEC 74174	1906067	29
3	E26, E46, E59	I.C. DEC 7404	1906086	30
1	E27	I.C. DEC IM5600	23022A1	31
3	E30, E35, E39	I.C. DEC 8242	1906712	32
2	E32, E33	I.C. DEC 7416	1906828	33
3	E13, E36, E58	I.C. DEC 7408	1910195	34
2	E51, E55	I.C. DEC 74123	1910436	35
4	E3, E6, E12, E15	I.C. DEC 74175	1910851	36
1	E20	I.C. DEC 74174	1910852	37
1	E42	I.C. DEC 7427	1910878	38
12	E1, E4, E5, E7, E8, E10, E14, E17, E43, E47, E48, E56	IC DEC 8881	1909705	39
13	E2, E9, E11, E18, E19, E23, E24, E28, E29, E34, E37, E38, E57	IC DEC 380	1909485 *	40
REF		ROM LISTING (FOR 23022A1)	K-R-M7892-0-7	41
REF		ROM LISTING (FOR 23021A1)	K-R-M7892-0-8	42

FIRST USED ON OPTION MODEL
TAIL

ETCH BOARD REV A

DATE: 6/15/73
BY: Wilson
CHECKED: [Signature]
DATE: 6/22/73
BY: [Signature]
DATE: 6/27/73
BY: [Signature]

EQUIPMENT CORPORATION
MAYFIELD, MASSACHUSETTS

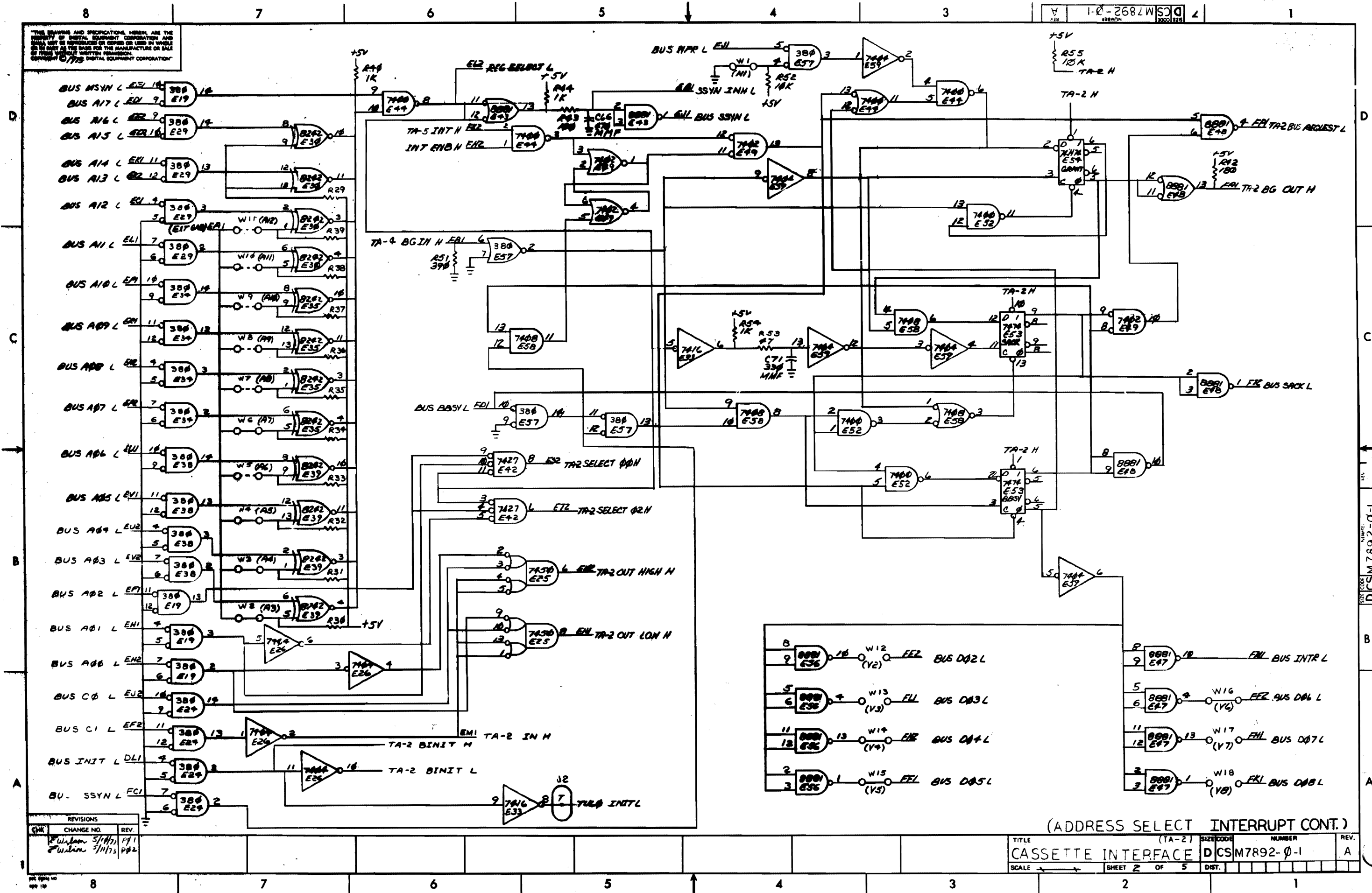
TITLE: CASSETTE INTERFACE

SIZE CODE: DICS M7892-0-1

REV. A

SEMICONDUCTOR CONVERSION CHART
SHEET 1 OF 5

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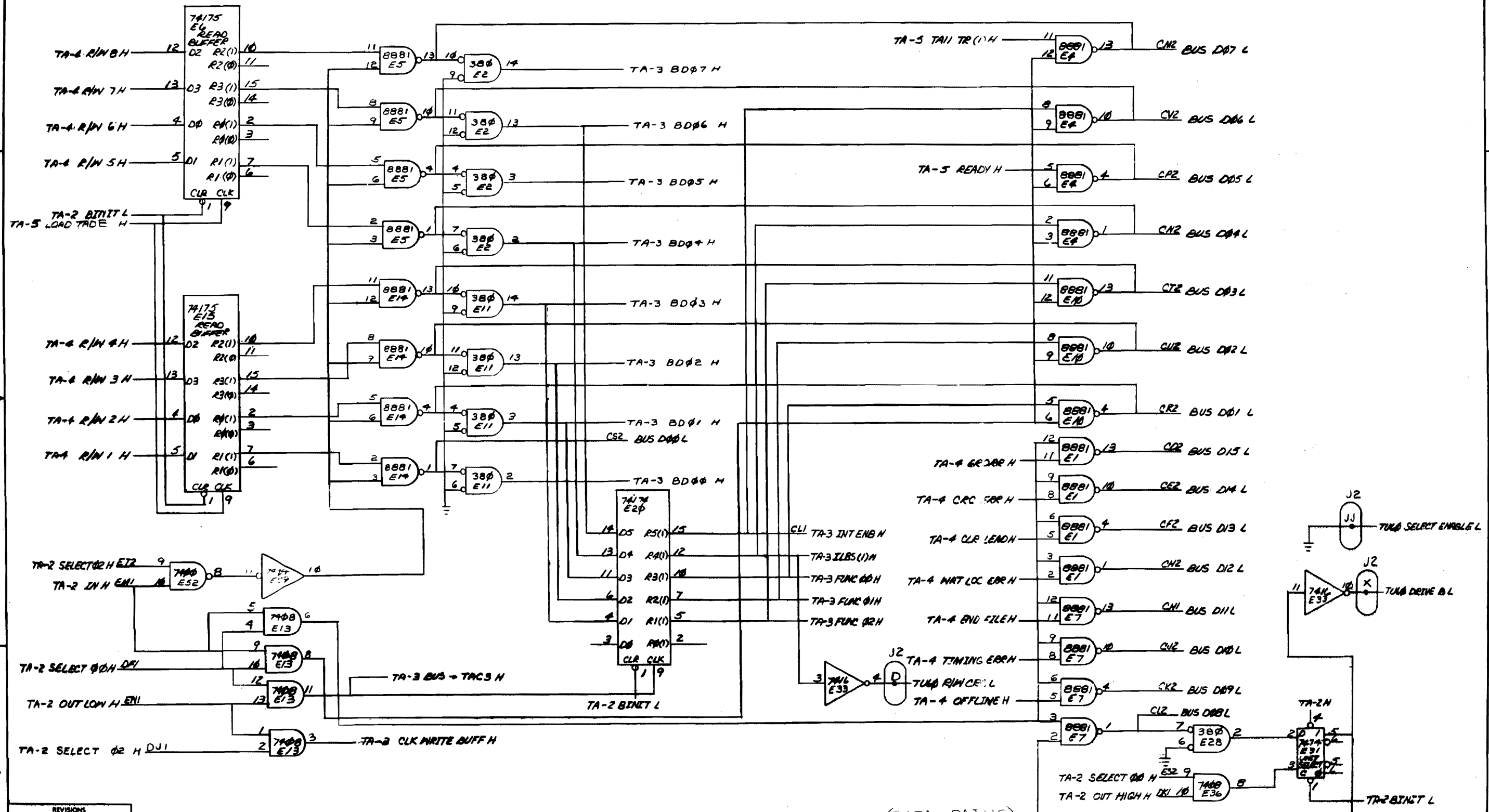
REV.	CHANGE NO.	REV.
1	5/11/73	PT1
2	3/11/73	PT2

(ADDRESS SELECT INTERRUPT CONT.)

TITLE	(TA-2)	SIZE CODE	NUMBER	REV.
CASSETTE INTERFACE		DCSM 7892-0-1		A
SCALE	SHEET 2 OF 5	DIST.		

DCSM 7892-0-1

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(DATA PATHS)

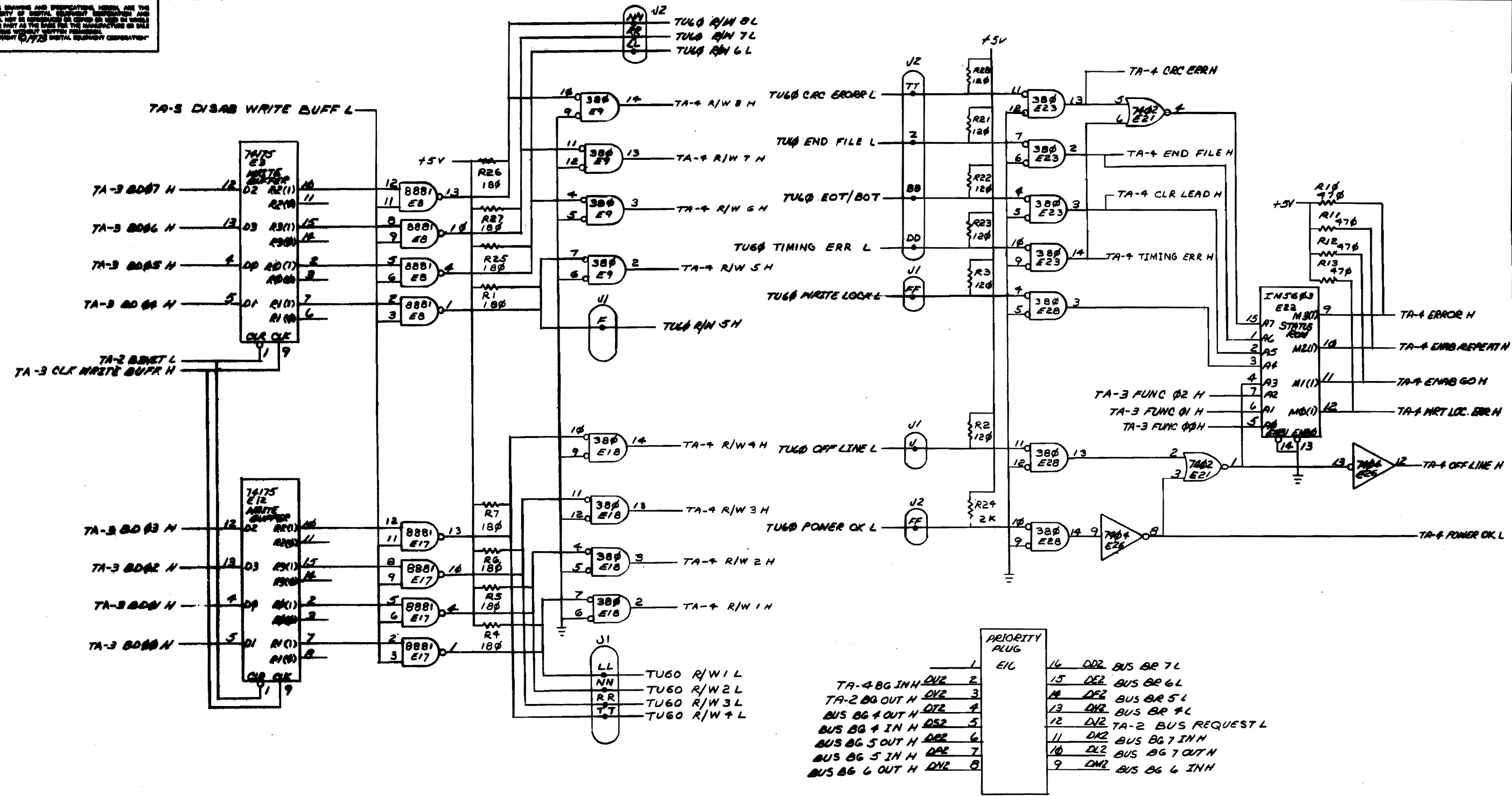
REVISIONS		
CHK	CHANGE NO.	REV.
	1	1
	2	1

TITLE	CASSETTE INTERFACE	(TA-3) BIZCODE	NUMBER	REV.
SCALE	SHEET 3 OF 5	DIST.	DCS M7892-0-1	A

DCS M7892-0-1

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D
C
B
A



PRIORITY PLUG		E1C	
1	TA-4 BG INH D12	14	DD2 BUS BR 7 L
2	TA-2 BG OUT H D12	15	DE2 BUS BR 6 L
3	BUS BG 4 OUT H D12	16	DF2 BUS BR 5 L
4	BUS BG 4 IN H D52	17	D12 BUS BR 4 L
5	BUS BG 5 OUT H D62	18	D12 TA-2 BUS REQUEST L
6	BUS BG 5 IN H D62	19	D12 BUS BG 7 IN H
7	BUS BG 6 OUT H D12	20	D12 BUS BG 7 OUT H
8	BUS BG 6 IN H D12	21	D12 BUS BG 6 IN H

REVISIONS		
CHK	CHANGE NO.	REV.
	1	1

(DATA PATHS & CONTROL LOGIC)

DCS M7892-0-1

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D

C

B

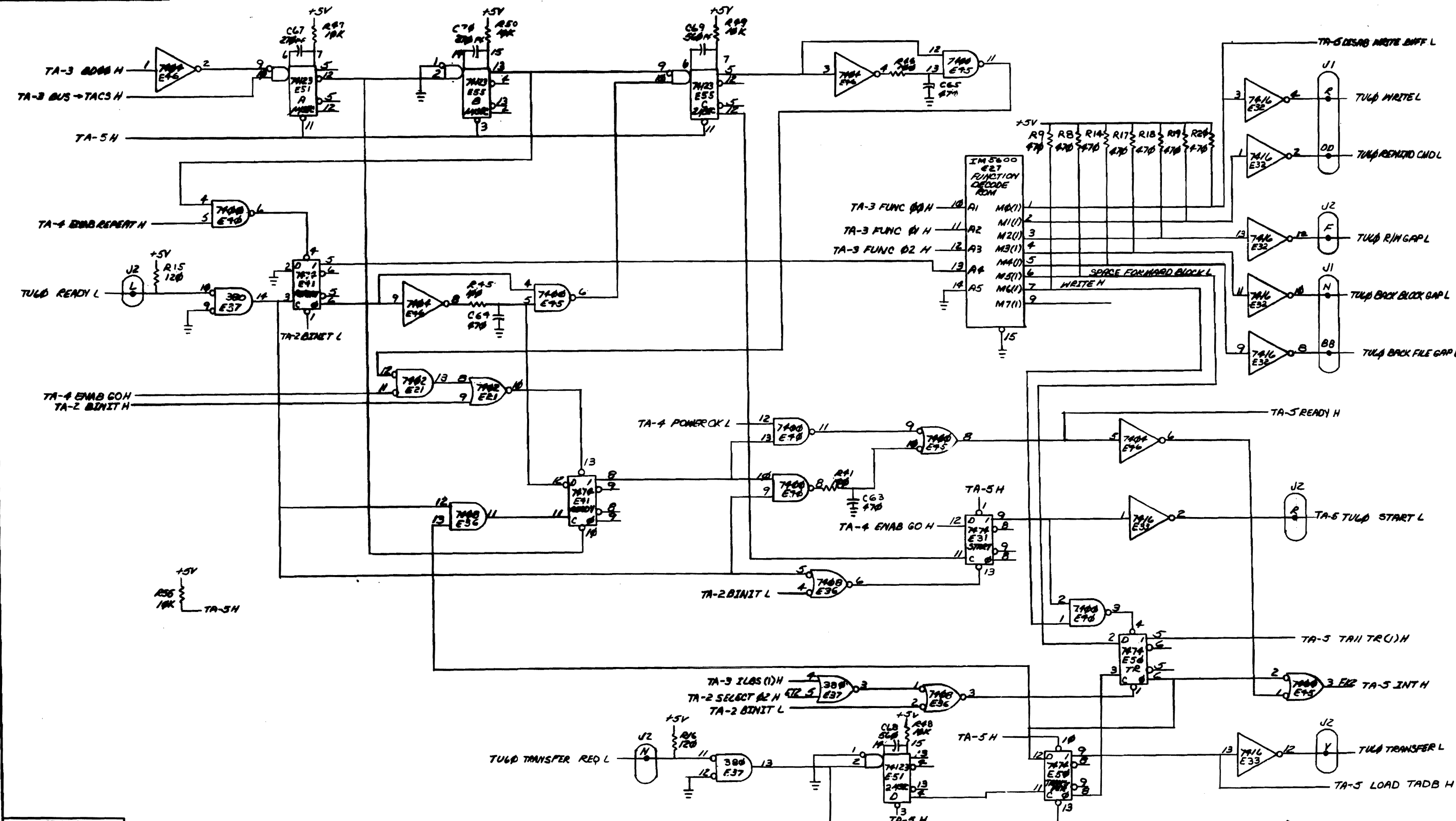
A

D

C

B

A



(CONTROL LOGIC)

REVISIONS		
CHK	CHANGE NO.	REV.
	5/11/77	P1
	5/11/77	P2

TITLE	(TA-5)	SIZE CODE	NUMBER	REV.
CASSETTE INTERFACE		DCSM7892-0-1		A
SCALE		SHEET 5 OF 5	DIST.	

DCSM7892-0-1



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B

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TAIL		PARTS LIST		
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE ROM LISTING (FOR 23021A2)		
CHK'D. <i>G. Kaban</i>	DATE 5/15/73			
ENG. <i>James Mitran</i>	DATE 5/24/73			
PROJ. ENG. <i>D.E. Jensen</i>	DATE 5/24/73			
PREP. <i>W. J. Olsen</i>	DATE 5-29-73			
NEXT HIGHER ASSEMBLY				
B-DI-TAIL-Ø		SIZE CODE	NUMBER	REV.
SCALE <i>1/1</i>		K RL	M7892-Ø-8	
SHEET 1 OF 9		DIST.		

REVISIONS	REV.
CHANGE NO.	
CHK	

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
0	000	1000	10
1	001	1000	10
2	002	1000	10
3	003	1000	10
4	004	1000	10
5	005	1000	10
6	006	1000	10
7	007	1000	10
8	010	0010	02
9	011	1010	12
10	012	1010	12
11	013	0010	02
12	014	0010	02
13	015	0010	02
14	016	0010	02
15	017	0010	02
16	020	1000	10
17	021	1000	10
18	022	1000	10
19	023	1000	10
20	024	1000	10
21	025	1000	10
22	026	1000	10
23	027	1000	10
24	030	1001	11
25	031	1001	11
26	032	1010	12
27	033	0010	02
28	034	0010	02
29	035	0010	02
30	036	0010	02
31	037	0010	02
32	040	1000	10
33	041	1000	10
34	042	1000	10
35	043	1000	10

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
36	044	1000	10
37	045	1000	10
38	046	1000	10
39	047	1000	10
40	050	1010	12
41	051	1110	16
42	052	1010	12
43	053	1010	12
44	054	1010	12
45	055	1010	12
46	056	1010	12
47	057	0010	02
48	060	1000	10
49	061	1000	10
50	062	1000	10
51	063	1000	10
52	064	1000	10
53	065	1000	10
54	066	1000	10
55	067	1000	10
56	070	1001	11
57	071	1001	11
58	072	1010	12
59	073	1010	12
60	074	1010	12
61	075	1010	12
62	076	1010	12
63	077	0010	02
64	100	1000	10
65	101	1000	10
66	102	1000	10
67	103	1000	10
68	104	1000	10
69	105	1000	10
70	106	1000	10
71	107	1000	10

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
72	110	0010	02
73	111	1010	12
74	112	1010	12
75	113	0010	02
76	114	0010	02
77	115	0010	02
78	116	1010	12
79	117	0010	02
80	120	1000	10
81	121	1000	10
82	122	1000	10
83	123	1000	10
84	124	1000	10
85	125	1000	10
86	126	1000	10
87	127	1000	10
88	130	1001	11
89	131	1001	11
90	132	1010	12
91	133	0010	02
92	134	0010	02
93	135	0010	02
94	136	1010	12
95	137	0010	02
96	140	1000	10
97	141	1000	10
98	142	1000	10
99	143	1000	10
100	144	1000	10
101	145	1000	10
102	146	1000	10
103	147	1000	10
104	150	1010	12
105	151	1110	16
106	152	1010	12
107	153	1010	12

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
108	154	1010	12
109	155	1010	12
110	156	1010	12
111	157	0010	02
112	160	1000	10
113	161	1000	10
114	162	1000	10
115	163	1000	10
116	164	1000	10
117	165	1000	10
118	166	1000	10
119	167	1000	10
120	170	1001	11
121	171	1001	11
122	172	1010	12
123	173	1010	12
124	174	1010	12
125	175	1010	12
126	176	1010	12
127	177	0010	02
128	200	1000	10
129	201	1000	10
130	202	1000	10
131	203	1000	10
132	204	1000	10
133	205	1000	10
134	206	1000	10
135	207	1000	10
136	210	0010	02
137	211	0010	02
138	212	0010	02
139	213	0010	02
140	214	0010	02
141	215	0010	02
142	216	0010	02
143	217	0010	02

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
144	220	1000	10
145	221	1000	10
146	222	1000	10
147	223	1000	10
148	224	1000	10
149	225	1000	10
150	226	1000	10
151	227	1000	10
152	230	1001	11
153	231	1001	11
154	232	0010	02
155	233	0010	02
156	234	0010	02
157	235	0010	02
158	236	0010	02
159	237	0010	02
160	240	1000	10
161	241	1000	10
162	242	1000	10
163	243	1000	10
164	244	1000	10
165	245	1000	10
166	246	1000	10
167	247	1000	10
168	250	1010	12
169	251	1110	16
170	252	1010	12
171	253	1010	12
172	254	1010	12
173	255	1010	12
174	256	1010	12
175	257	0010	02
176	260	1000	10
177	261	1000	10
178	262	1000	10
179	263	1000	10

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
180	264	1000	10
181	265	1000	10
182	266	1000	10
183	267	1000	10
184	270	1001	11
185	271	1001	11
186	272	1010	12
187	273	1010	12
188	274	1010	12
189	275	1010	12
190	276	1010	12
191	277	0010	02
192	300	1000	10
193	301	1000	10
194	302	1000	10
195	303	1000	10
196	304	1000	10
197	305	1000	10
198	306	1000	10
199	307	1000	10
200	310	0010	02
201	311	0010	02
202	312	1010	12
203	313	0010	02
204	314	0010	02
205	315	0010	02
206	316	1010	12
207	317	0010	02
208	320	1000	10
209	321	1000	10
210	322	1000	10
211	323	1000	10
212	324	1000	10
213	325	1000	10
214	326	1000	10
215	327	1000	10

DEC PART NUMB: 23-021A2
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

ROM PATTERN SPEC

PAGE 8 OF 9

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
216	330	1001	11
217	331	1001	11
218	332	1010	12
219	333	0010	02
220	334	0010	02
221	335	0010	02
222	336	1010	12
223	337	0010	02
224	340	1000	10
225	341	1000	10
226	342	1000	10
227	343	1000	10
228	344	1000	10
229	345	1000	10
230	346	1000	10
231	347	1000	10
232	350	1010	12
233	351	1110	16
234	352	1010	12
235	353	1010	12
236	354	1010	12
237	355	1010	12
238	356	1010	12
239	357	0010	02
240	360	1000	10
241	361	1000	10
242	362	1000	10
243	363	1000	10
244	364	1000	10
245	365	1000	10
246	366	1000	10
247	367	1000	10
248	370	1001	11
249	371	1001	11
250	372	1010	12
251	373	1010	12

DEC PART NUMB1 23-021A2
ORIGINATOR1 DAN HUTNANSKY
DATE OF ORIGIN1 12-6-72

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
252	374	1010	12
253	375	1010	12
254	376	1010	12
255	377	0010	02



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FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TAIL				
PARTS LIST				
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE ROM LISTING (FOR 23022A1)		
CHK'D.	DATE			
ENG.	DATE			
PRG. ENG.	DATE			
PROP.	DATE			
NEXT HIGHER ASSEMBLY		SIZE CODE	NUMBER	REV.
B-DD-TAIL-Ø		K RL	M7892-Ø-7	
SCALE	SHEET		DIST.	
	1 OF 2			

REVISIONS	REV.
CHANGE NO.	
CHK	

DEC PART NUMB: 23-022A1
ORIGINATOR: DAN MUTNANSKY
DATE OF ORIGIN: 12-6-72

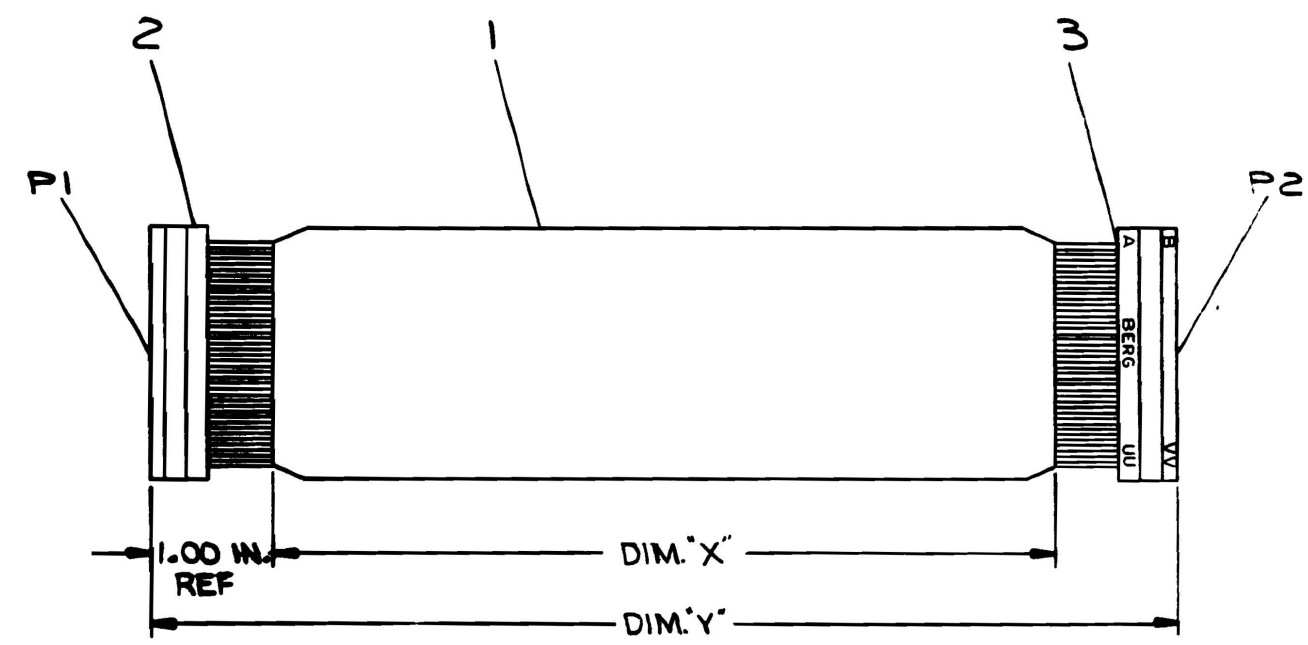
ROM PATTERN SPEC

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
0	00	00000101	005
1	01	01100001	141
2	02	00100000	040
3	03	00010000	020
4	04	00001000	010
5	05	00000100	004
6	06	00000000	000
7	07	00000010	002
8	10	00000000	000
9	11	00000101	005
10	12	00000000	000
11	13	00000000	000
12	14	00000000	000
13	15	00000000	000
14	16	00000000	000
15	17	00000000	000
16	20	00000000	000
17	21	00000000	000
18	22	00000000	000
19	23	00000000	000
20	24	00000000	000
21	25	00000000	000
22	26	00000000	000
23	27	00000000	000
24	30	00000000	000
25	31	00000000	000
26	32	00000000	000
27	33	00000000	000
28	34	00000000	000
29	35	00000000	000
30	36	00000000	000
31	37	00000000	000

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LEGEND		
NUMBER	DIM. "X" VAR.	DIM. "Y" REF.
BCØBS-1	10.00 IN. ±1.00 IN.	1.00 FT ±1.00 IN.
BCØBS-15	15.0 FT. + 5.00 IN. - 0.00 IN.	15 FT. 2 IN. ± 5.00 IN. - 0.00 IN.
BCØBS-25	25.0 FT. ± 3 IN.	25 FT. 2 IN. ± 3 IN.
BCØBS-2K	2.0 FT 9 IN ± 1.0 FT	2.0 FT. 11 IN ± 1.0 IN

NOTES:
1. CONNECTORS P1 AND P2 ARE TO BE WIRED POINT TO POINT.



REV.	CHG. NO.	BY	DATE
A	00001	A. WALLACK	12-2-71
B	00002	A. WALLACK	12-2-71
C	00003	V. BASTIANI	1-3-72
D	00004	ANDERSON	5-5-72
		A. WALLACK	8-9-73

QTY.	DESCRIPTION	PART NO.	ITEM NO.
80	SOCKET #47783 BERG	1210089-0	3
2	HOUSING #20383 BERG	1210090-1	2
	A/R CABLE, FLAT 40 COND	9107722-0	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
AB8-E				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. <i>J. Ferguson</i>	DATE 5-12-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX .006	BRK'D. <i>W. Cobbe</i>	DATE 5-13-71	TITLE	
ANGLES ±0° 00'	ENG. <i>W. Cobbe</i>	DATE 5-13-71	I/O CABLE ASSY (DIAG. JUMPER)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROJ/ENG. <i>J. Ferguson</i>	DATE 5-20-71	SIZE CODE C I A	
MATERIAL	PROD. <i>Ferguson</i>	DATE 5/20/71	NUMBER 3C085-Ø-Ø	
FINISH	NEXT HIGHER ASSY.		REV. 0	
	A-PL-DR8-EA-Ø		SCALE NONE	
			SHEET OF DIST. G	

DWG FORM NO. DDC 100-A

4

3

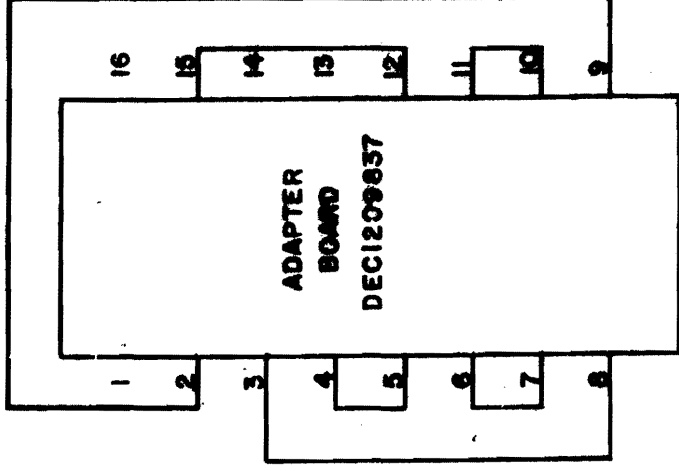
2

1

NUMBER 3C085-Ø-Ø

SIZE CODE C I A

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1970 BY DIGITAL EQUIPMENT CORPORATION

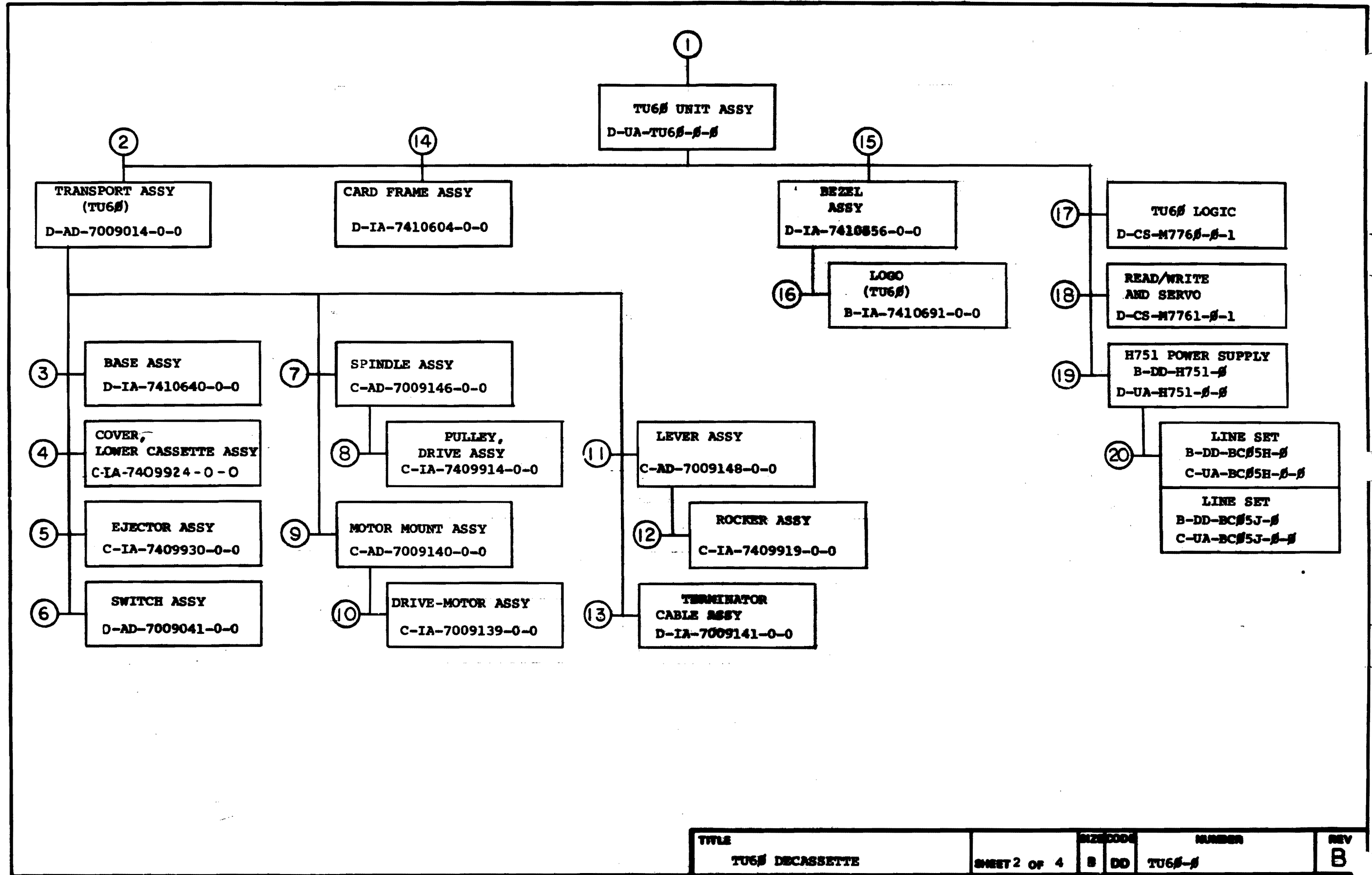


TITLE		PRIORITY JUMPER	
LEVEL #6		5408780	
SIZE	CODE	NUMBER	REV.
B	CS	5408780-0-1	
PRINTED CIRCUIT REV.		A	
EQUIPMENT CORPORATION		DIST. 324,434,735-3	
MAYNARD, MASSACHUSETTS		5 PINS	

MS904-P1

DEC FORM NO. DFB 102





TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
TU6β DECASSETTE	2	4	B	DD	TU6β-β	B

CUSTOMER PRINT SET		ELECTRICAL					CUSTOMER PRINT SET		MECHANICAL				
TU6 β - β	MFG. SET	FIND NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	TU6 β - β	MFG. SET	FIND NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X		1		1	CASSETTE DRIVE WIRING DIAGRAM		X		1	D-UA-TU6 β - β - β	B	2	TU6 β UNIT ASSEMBLY
							X			A-PL-TUC β - β - β	B	2	TU6 β UNIT ASSEMBLY
										E-IA-7409943-0-0		2	CHASSIS (TU6 β)
										D-IA-7409990-0-0		1	PLATE, CHASSIS, FRONT (TU6 β)
										E-MD-7409941-0-0		1	COVER, CHASSIS
X		13		1	TERMINATOR CABLE ASSY					C-MD-7409904-0-0		1	BRACKET, SYMMETRICAL
				2	TERMINATOR, CASSETTE DRIVE					B-MD-7409933-0-0		1	BUSHING, PIVOT
										D-UA-BC β 5L- β - β		1	CABLE, JUMPER
										D-PS-1210931-0-0		1	BLOCK, CABLE RETAINING
										C-MD-7410690-0-0		1	BRACKET, SHIPPING
										D-PS-1209154-0-0		1	CHASSIS-TRAK
X		17		4	TU6 β LOGIC								
X		18		5	READ/WRITE AND SERVO		X		2	D-AD-7009014-0-0		2	TRANSPORT ASSY (TU6 β)
							X			A-PL-7009014-0-0		3	TRANSPORT ASSY (TU6 β)
										C-MD-7409911-0-0		1	SPACER, TAPE GUIDE
										C-MD-7409912-0-0		1	GUIDE, TAPE
										C-MD-7409928-0-0		1	BRACKET, SOLENOID
										C-MD-7409908-0-0		1	PLATE, HEAD MOUNT
C		19		3	H751 POWER SUPPLY					B-MD-7410518-0-0		1	BUTTON, REWIND SWITCH
				2	H751 POWER SUPPLY					B-MD-7410519-0-0		1	BRACKET, REWIND SWITCH
				1	CHASSIS, POWER SUPPLY					C-MD-7410537-0-0		1	SPRING, LOCK BAR
										B-MD-7410544-0-0		1	SPACER, E.O.T. BLOCK
										D-PS-1211279-0-0		1	COUPLING, CASSETTE DRIVE (3MM)
										D-MD-7409917-0-0		1	LOCK-BAR, CASSETTE
										D-PS-1211289-0-0		1	SENSOR ASSY
										B-MD-7409929-0-0		1	BRACKET, TERMINAL BOARD
		20		3	LINE SET		X		3	D-IA-7410640-0-0		1	BASE ASSEMBLY
				1	LINE SET BC β 5H (115V)					E-MD-7409835-0-0		1	BASE, CASSETTE TRANSPORT (MACH)
				1	LINE SET BC β 5J (230V)					B-MD-7409938-0-0		1	BUSHING, ROCKER
										B-MD-7410553-0-0		1	SHIM, SKEW
										C-MD-7410539-0-0		1	PIN, ANCHOR
										C-MD-7409934-0-0		1	PIN, SPRING, MOTOR BIAS
										E-PS-1211122-0-0		1	BASE, CASSETTE TRANSPORT (CAST)
CUSTOMER PRINT SET CODES		X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED					TITLE		SIZE CODE		NUMBER		REV
							TU6 β DECASSETTE		SHEET 3 OF 4		B DD TU6 β - β		B

DRB 108

DEC 16-1325-1062-2B-R972

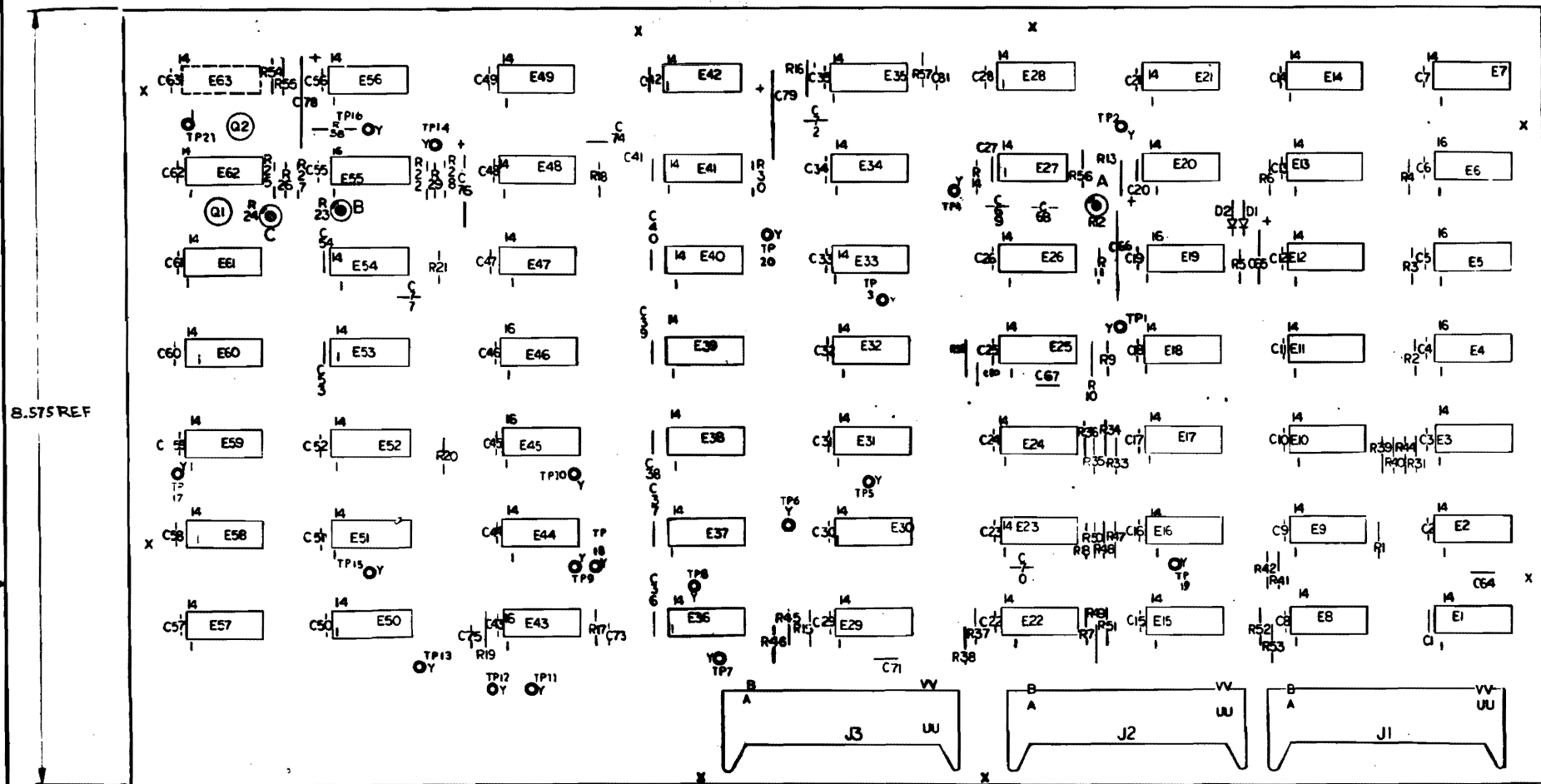
CUSTOMER PRINT SET		MECHANICAL					CUSTOMER PRINT SET		MECHANICAL				
TU6β-β	MPG SET	FWD NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	TU6β-β	MPG SET	FWD NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		4		1	COVER, LOWER CASSETTE ASSY		X		10		1	DRIVE-MOTOR ASSY	
				1	COVER, LOWER CASSETTE						1	SLEEVE, MOTOR	
				1	PIN, SPRING, COVER, CASSETTE								
				1	LENS								
		5		1	EJECTOR ASSY				11		1	LEVER ASSY	
				1	EJECTOR						1	LEVER, ROCKER	
				1	ROLLER, EJECTOR						1	ROLLER, IDLER	
		6		1	SWITCH ASSY				12		1	ROCKER ASSY	
				1	BLOCK, SWITCH						1	PLATE, ROCKER	
				1	SPACER, MICRO SWITCH						1	SLEEVE, ROCKER	
											1	SHAFT, IDLER	
		7		1	SPINDLE ASSY				14		1	CARD FRAME ASSY	
				1	COUPLING, CASSETTE DRIVE (2M)						1	FRAME, CARD	
				1	BEARING, SPINDLE						1	STAND-OFF, THREADED	
		8		1	PULLEY, DRIVE ASSY				15		1	BEZEL ASSY	
				1	PULLEY, DRIVE						1	ADAPTER, BEZEL	
				1	SPINDLE						1	INLAY, BEZEL	
											1	BEZEL 5 1/4"	
		9		1	MOTOR MOUNT ASSY				16		1	LOGO (TU6β)	
				1	PIVOT, MOTOR						1	SILK SCREEN	
				1	MOUNT, MOTOR								
									19		3	H751 POWER SUPPLY	
											2	H751 POWER SUPPLY	
											1	CHASSIS, POWER SUPPLY	

CUSTOMER PRINT SET CODES	X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED	TITLE	SIZE CODE	NUMBER	REV
		TU6β DECASSETTE	B DD	TU6β-β	B
			SHEET 4 OF 4		

NOTES:

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

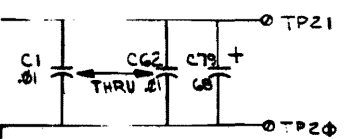
1
2
3
4



B.575 REF

15.70 REF

J3-AA, BB, CC, DD, +5V



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

IC TYPE	GRD	+5V
74C	B	14
8271	B	16
380	I	8
74193	B	16
74123	B	16

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

IC PIN LOCATIONS

COMPONENT SUBSTITUTION				
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R26	RES 620 1/4W 5%	1303178	52
1	R25	RES 600 1/4W 5%	1301424	51
1	R11	RES 5.6K 1/4W 5%	1301874	50
1	C66	CAP 80 MFD 6V 50% 5.7M	000086	49
1	R56	RES 30K 1/4W 5%	1302394	48
11	R34, R36, R38, R40, R42, R44, R46, R48, R49, R51, R53	RES 390 1/4W 5%	300309	47
1	R16, R58	RES 50 1/4W 5%	1300250	46
1	R5	RES 24K 4W 5%	1302537	45
2	R12, R24	RES 1K 1/4W 5% 250 PCT	1300150-18	44
1	R55	RES 2K 4W 5%	302388	43
1	R63	RES 200 1/4W 5% 250 PCT	130050-10	42
1	R22	RES 47K 4W 5%	302177	41
1	R27	RES 2K 4W 5%	302177	40
1	R28	RES 11.7K 1/8W 1%	302141	39
1	R23, R35, R37, R39, R41, R43, R47, R51, R54, R52	RES 20 1/4W 5%	301322	38
1	R17	RES 10K 1/4W 5%	301317	37
7	R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59	RES 1K 1/4W 5%	1300150-18	36
2	R6, R29	RES 10K 1/4W 5%	301317	35
10	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59	RES 200 1/4W 5%	300	34
1	R19	RES 10K 1/4W 5%	301317	33
1	E52	IC DEC 7401	7401	32
1	E19, E24, E27	IC DEC 7401	7401	31
2	E45, E46	IC DEC 7401	7401	30
1	E21	IC DEC 7401	7401	29
1	E18, E20, E23, E24	IC DEC 7401	7401	28
1	E11, E12, E13	IC DEC 7401	7401	27
1	E10, E11, E12, E13	IC DEC 7401	7401	26
1	E10, E11, E12, E13	IC DEC 7401	7401	25
1	E10, E11, E12, E13	IC DEC 7401	7401	24
1	E10, E11, E12, E13	IC DEC 7401	7401	23
1	E10, E11, E12, E13	IC DEC 7401	7401	22
1	E10, E11, E12, E13	IC DEC 7401	7401	21
1	E10, E11, E12, E13	IC DEC 7401	7401	20
1	E10, E11, E12, E13	IC DEC 7401	7401	19
1	E10, E11, E12, E13	IC DEC 7401	7401	18
1	E10, E11, E12, E13	IC DEC 7401	7401	17
1	E10, E11, E12, E13	IC DEC 7401	7401	16
1	E10, E11, E12, E13	IC DEC 7401	7401	15
1	E10, E11, E12, E13	IC DEC 7401	7401	14
1	E10, E11, E12, E13	IC DEC 7401	7401	13
1	E10, E11, E12, E13	IC DEC 7401	7401	12
1	E10, E11, E12, E13	IC DEC 7401	7401	11
1	E10, E11, E12, E13	IC DEC 7401	7401	10
1	E10, E11, E12, E13	IC DEC 7401	7401	9
1	E10, E11, E12, E13	IC DEC 7401	7401	8
1	E10, E11, E12, E13	IC DEC 7401	7401	7
1	E10, E11, E12, E13	IC DEC 7401	7401	6
1	E10, E11, E12, E13	IC DEC 7401	7401	5
1	E10, E11, E12, E13	IC DEC 7401	7401	4
1	E10, E11, E12, E13	IC DEC 7401	7401	3
1	E10, E11, E12, E13	IC DEC 7401	7401	2
1	E10, E11, E12, E13	IC DEC 7401	7401	1
1	E10, E11, E12, E13	IC DEC 7401	7401	0

FIRST USED ON OPTION MODEL
J60

PARTS LIST			
QTY	REF DESIGNATION	DESCRIPTION	PART NO.
1	D1, D2	DIODE 1N4001	1N4001
1	C76	CAP 100PF 50V 5% 1N4001	1N4001
1	C65	CAP 100PF 50V 5% 1N4001	1N4001
64	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100	CAP 100PF 50V 5% 1N4001	1N4001
4	C67, C77, C78, C81	CAP 100PF 50V 5% 1N4001	1N4001
4	C68, C69, C70, C71	CAP 100PF 50V 5% 1N4001	1N4001
2	C64, C70	CAP 100PF 50V 5% 1N4001	1N4001
3	J1, J2, J3	CONNECTOR	7401
1	TP1 THRU TP21	LED, SWAGE #1026-2	90C791
2	Q1, Q2	TRANS, 55540 P.P 310MM	55540
1	C80	CAP 100PF 50V 5% 1N4001	1N4001

CHK	CHANGE NO.	REV
M. LEIS	1	D
M. LEIS	2	D
M. LEIS	3	D
M. LEIS	4	D
M. LEIS	5	D
M. LEIS	6	D
M. LEIS	7	D
M. LEIS	8	D
M. LEIS	9	D
M. LEIS	10	D

DEC NO.	EIA NO.	DEC NO.	EIA NO.
D664	1N3620		

SEMICONDUCTOR CONVERSION CHART

ETCH BOARD REV E

EQUIPMENT CORPORATION

DCS M7760-01

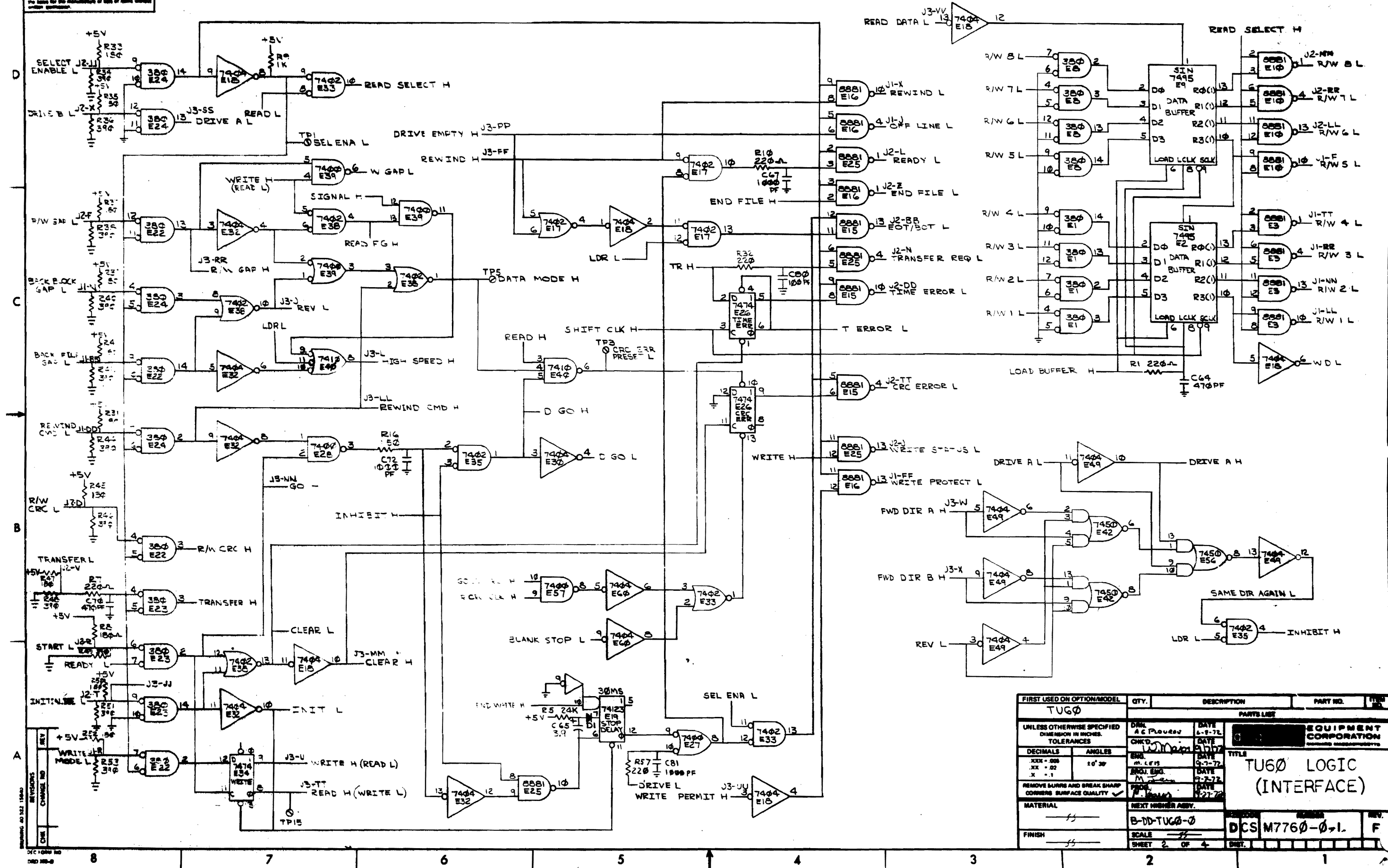
DATE: 12-21-72

BY: M. LEIS

REV: 10

SHEET 1 OF 4

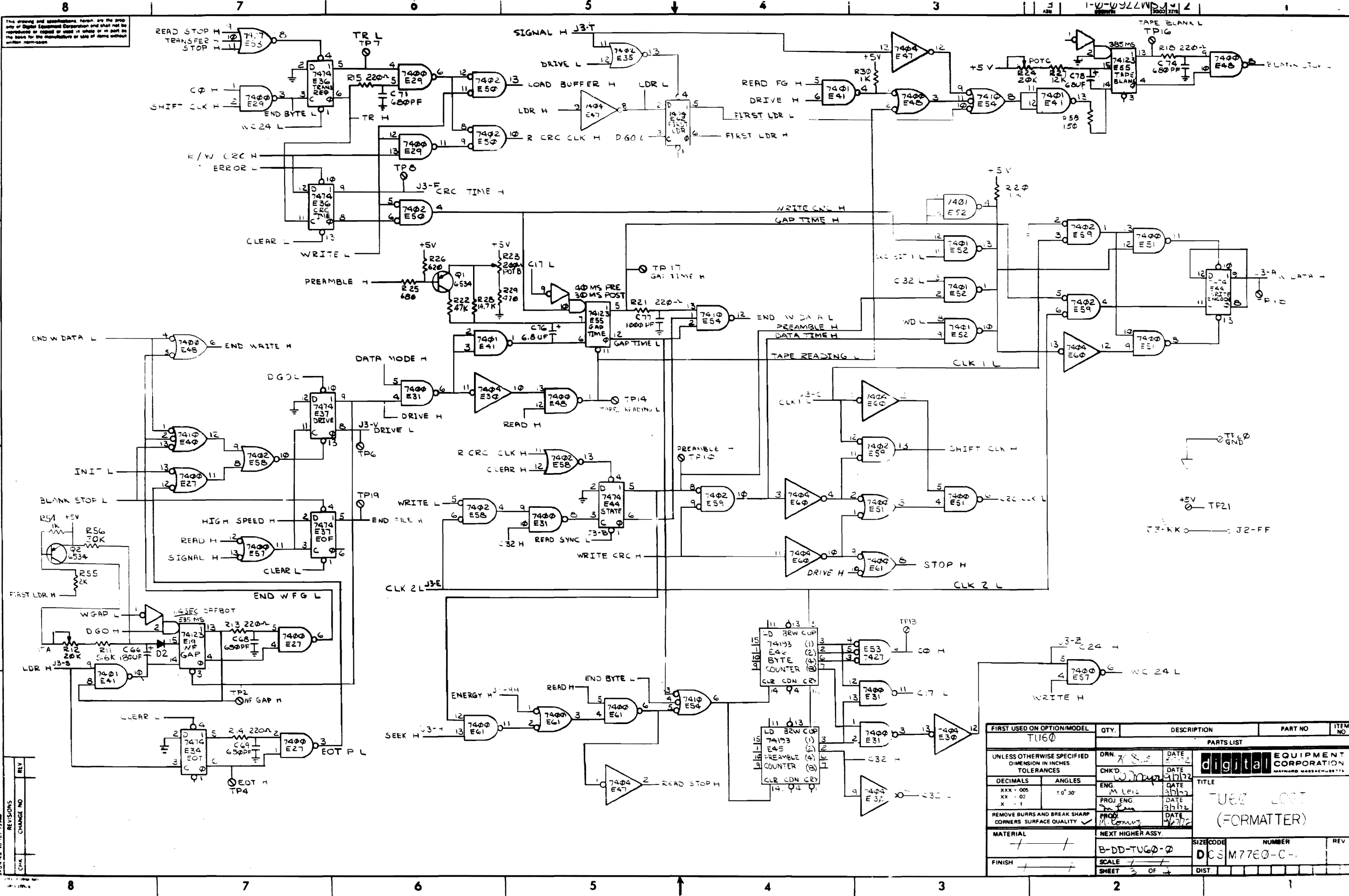
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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	REV.
TU60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XX - .00	10° 30'	EQUIPMENT CORPORATION		
.XX - .02		TITLE		
X - .1		TU60 LOGIC (INTERFACE)		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE				
SHEET 2 OF 4				

DCS M760-0-1

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



REV	CHG	NO	DATE
1			

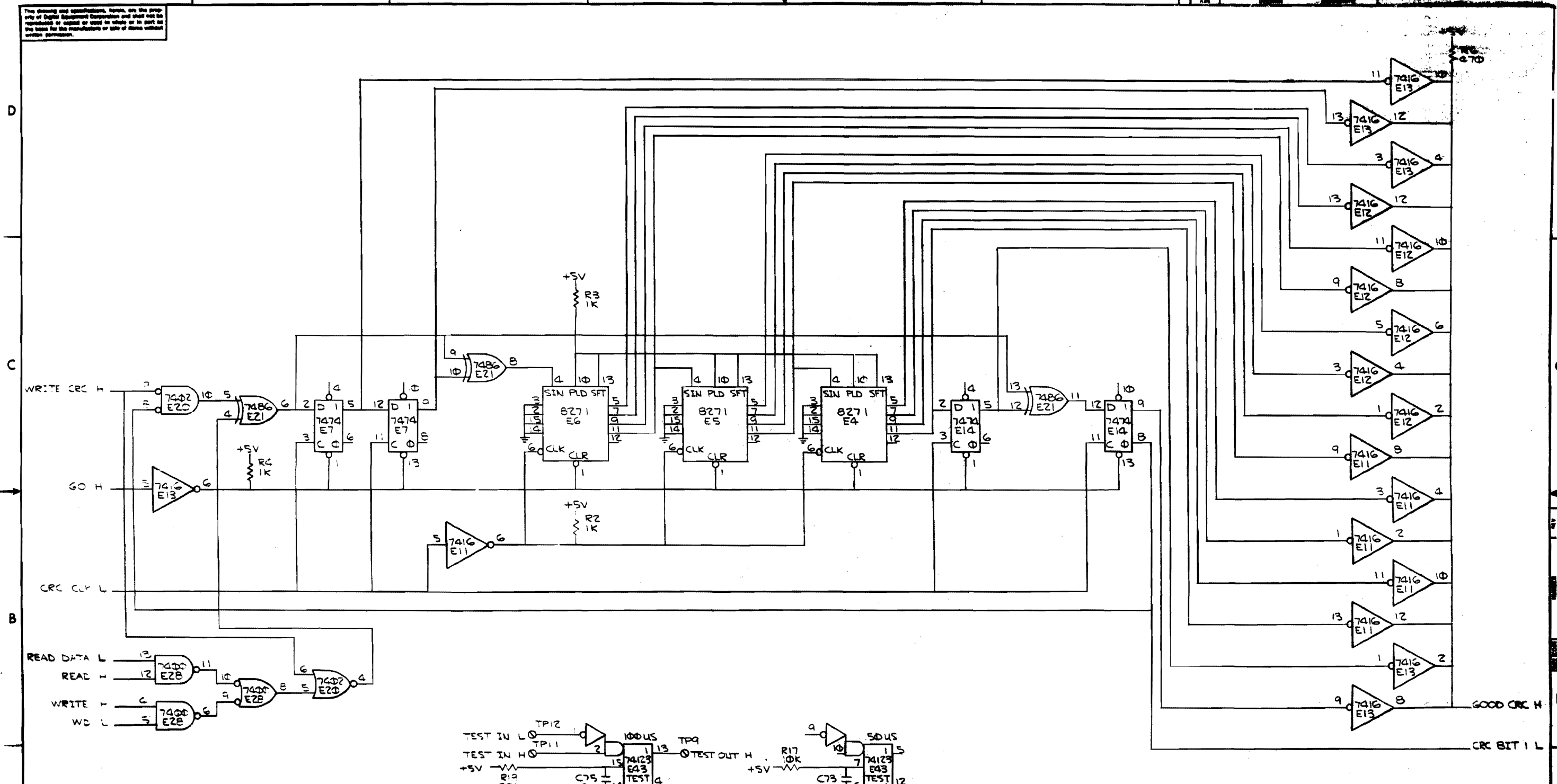
FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
TU60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE		
XXX + 005	± 0° 30'	DRN	DATE	
XX - 02		CHKD	DATE	
X - 1		ENG	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE		SIZE CODE		
SHEET 3 OF 4		B-DD-TUG0-0		
DIST		DCS M7760-C-		

digital EQUIPMENT CORPORATION
HARDWARE MANUFACTURING

TITLE
TUG0 LOG (FORMATTER)

SIZE CODE
DCS M7760-C-

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REV	
REV	
REV	
REV	
REV	
REV	
REV	
REV	
REV	
REV	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
TU60			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES			
DECIMALS	ANGLES		
.XX - .005	10' 30"		
.XX - .92			
.X - .1			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			
MATERIAL			
NEXT HIGHER ASSY.			
FINISH			

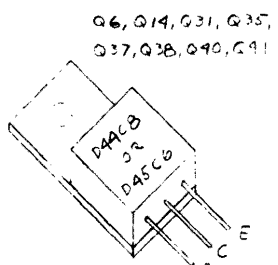
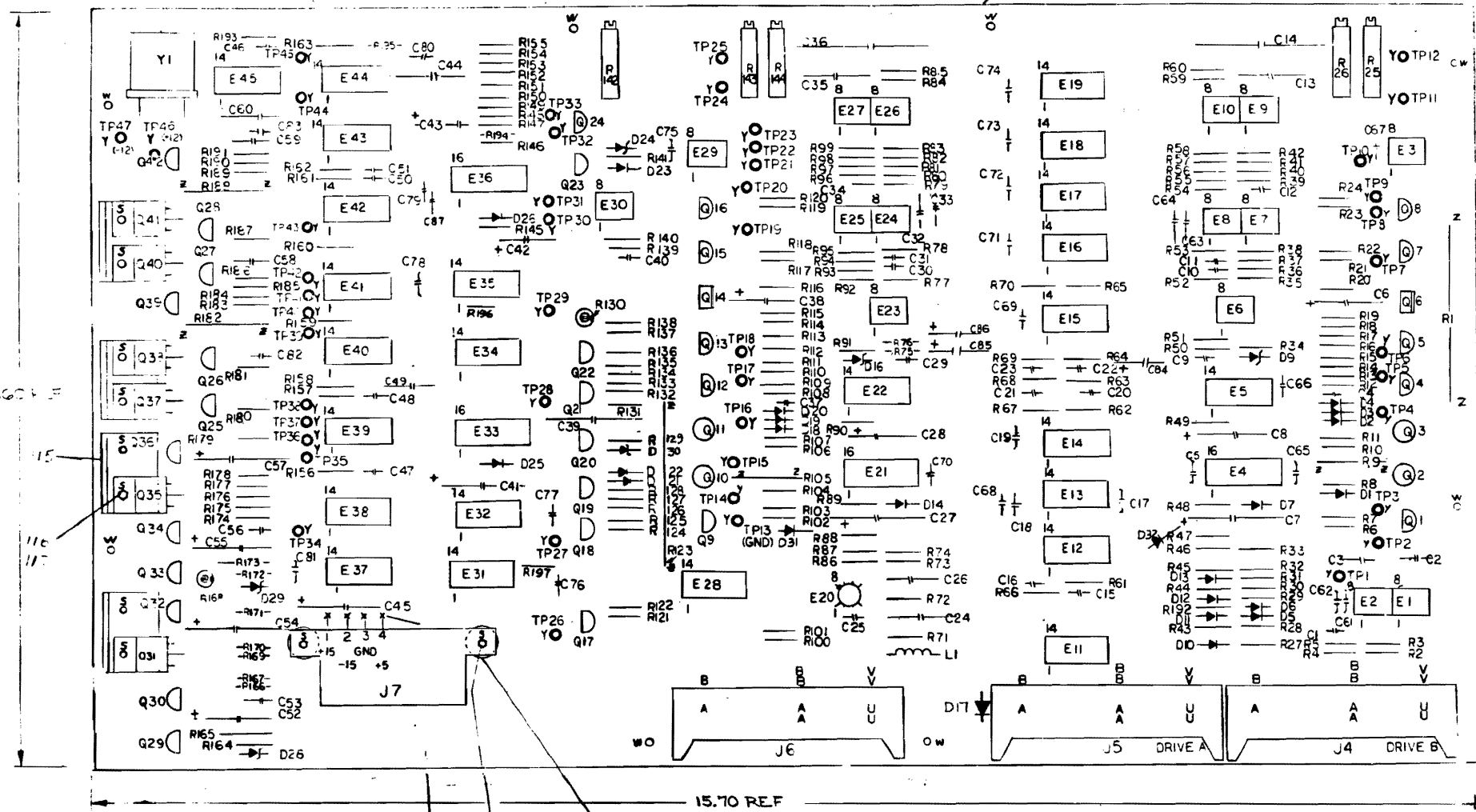
DATE	3-11-72	EQUIPMENT CORPORATION
CHK'D	W. M. ...	
DATE	3-11-72	TITLE
CHK'D	M. L. ...	
DATE	3-11-72	TU60 LOGIC (CRC LOGIC)
CHK'D	M. L. ...	
DATE	3-11-72	PART NO.
CHK'D	M. L. ...	
B-DD-TU60-0		DCS M7760-0-1
SCALE		
SHEET 4 OF 4		REV. F

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NOTES:

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

1000
4



Q6, Q14, Q31, Q35,
Q37, Q38, Q40, Q41

38
116
117

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

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

IC PIN LOCATIONS

5-19-73	M. LEIS	5-19-73
Rev. 2.0	M. LEIS	5-19-73
M7761-00009	L	5-19-73
Rev. 3.0	M. LEIS	5-19-73
M7761-00008A/B/K	K	5-19-73
Rev. 4.0	M. LEIS	5-19-73
M7761-00006	H	5-19-73
Rev. 5.0	M. LEIS	5-19-73
M7761-00005	F	5-19-73
Rev. 6.0	M. LEIS	5-19-73
M7761-00004	E	5-19-73
Rev. 7.0	M. LEIS	5-19-73
M7761-00003	D	5-19-73
Rev. 8.0	M. LEIS	5-19-73
M7761-00001	C	5-19-73

FOR PARTS LIST INFORMATION SEE SHEET 2

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
FIRST USE: D ON OPTION MODEL				
U60				
ETCH BOARD REV E				
PARTS LIST				
DRN: 2/4/72				
CHK'D: 2/13/72				
ENG: M. LEIS				
PROL ENG'D: 2/16/72				
PROD: M. LEIS				
NEXT HIGHER ASSY: B-DD-T000-2				
SCALE: 1/5				
SHEET 1 OF 5				

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

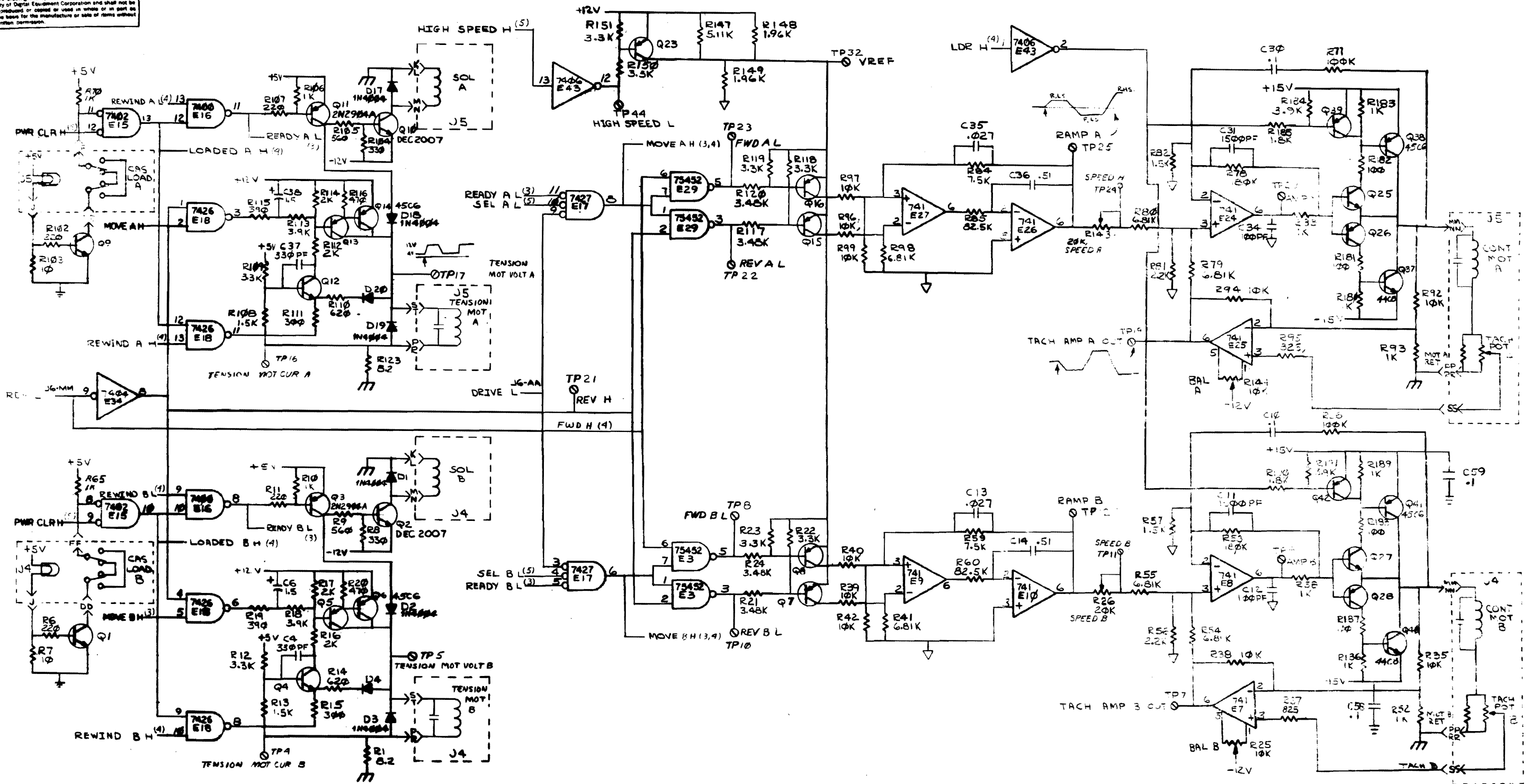
TITLE: **READ/WRITE AND SERVO**

SIZE CODE: D CS NUMBER: M7761-0-1

SEMICONDUCTOR CONVERSION CHART

D
C
B
M7761-0-1

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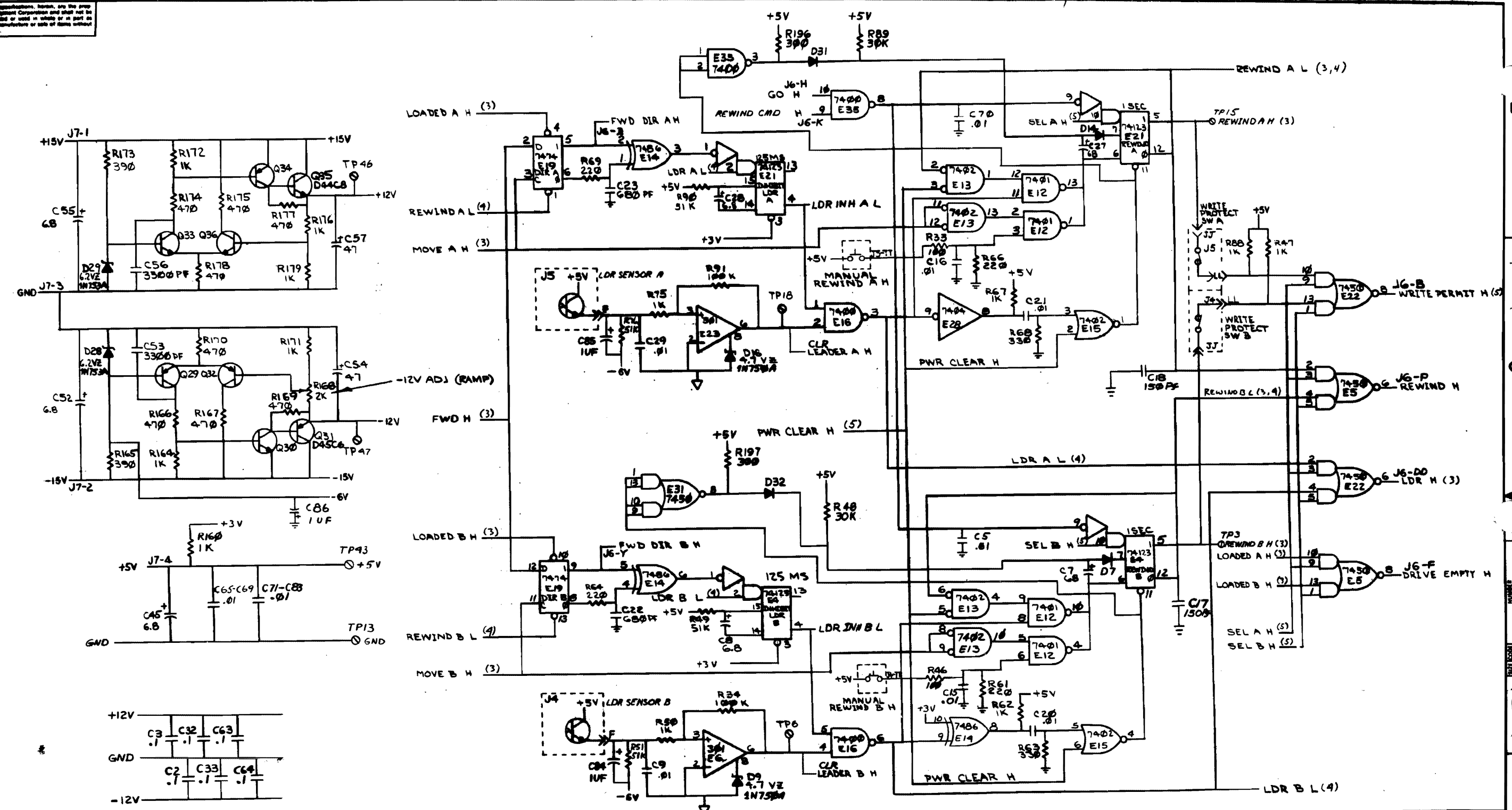


REVISIONS
 CHANGE NO. REV. DATE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DWG. DATE CHKD. DATE ENG. DATE APP. DATE	DIGITAL EQUIPMENT CORPORATION		
DECIMALS ANGLES	10 ⁻³ 10 ⁻²	TITLE		
REMOVES BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	✓	READ / WRITE AND SERVO MOTOR CIRCUITS		
MATERIAL	NEXT HIGHER ASSEMBLY	SIZE CODE NUMBER REV		
FINISH	SCALE	DCSM7761-0-1		

7 6 5 4 3 2 1

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

FIRST USED OR OPTIONAL	QTY.	DESCRIPTION	PART NO.
TU60			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES			
TOLERANCES			
DECIMALS	ANGLES		
.XXX - .001	±0°30'		
.XX - .02			
.X - .1			
REMOVE DIMS AND BREAK DIMS COMMON SURFACE QUALITY			
MATERIAL			

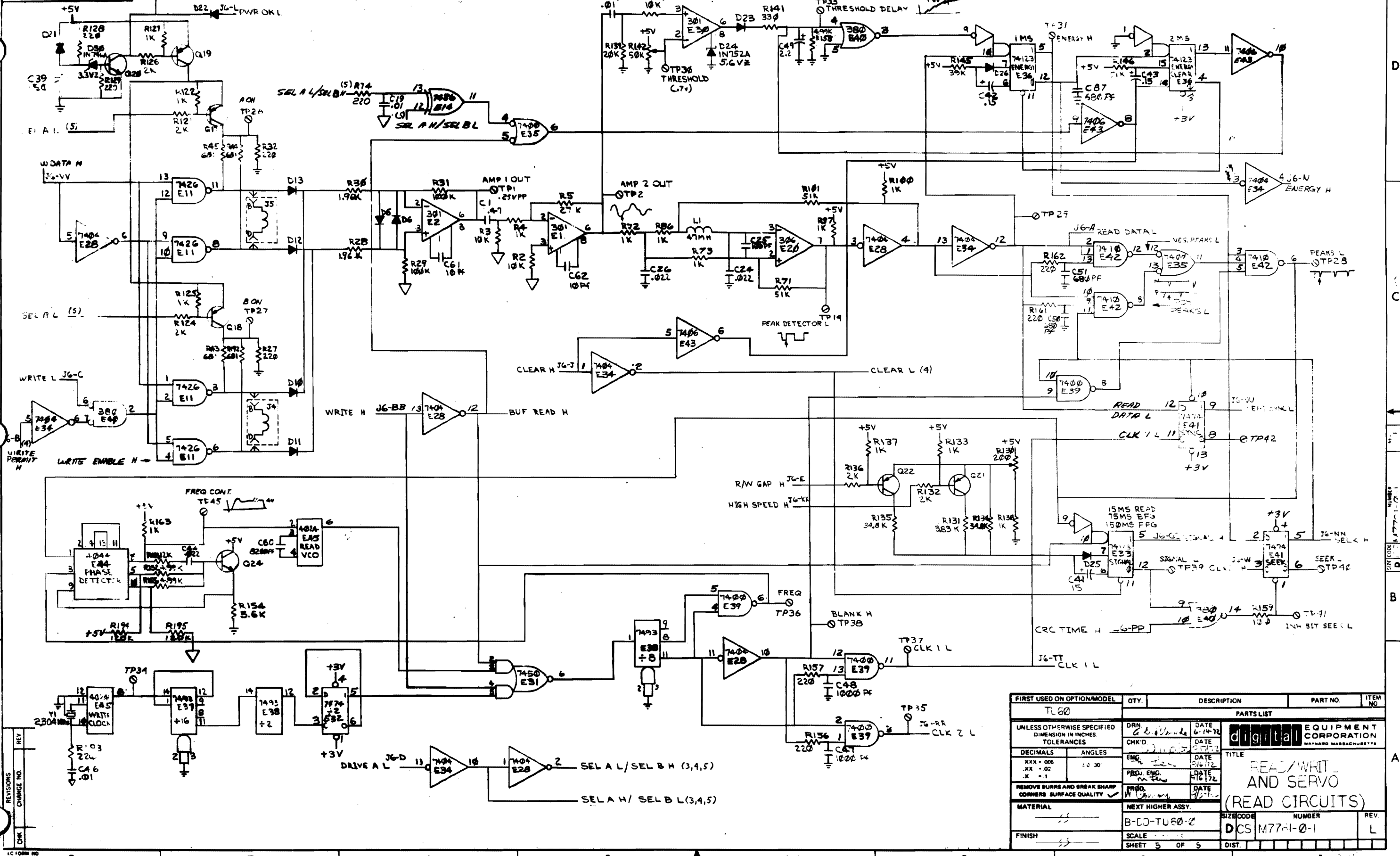
FINISH			

PARTS LIST		TITLE	
DATE	BY	REV.	BY
11/17/71	W. J. ...	1	W. J. ...
B-00-TU60-0		READ/WRITE AND SERVO (REWIND/REG)	
BCS 17761-0-1		L	

REVISIONS
 NO. REV. DATE
 1 1 11/17/71

CSM761-0-1

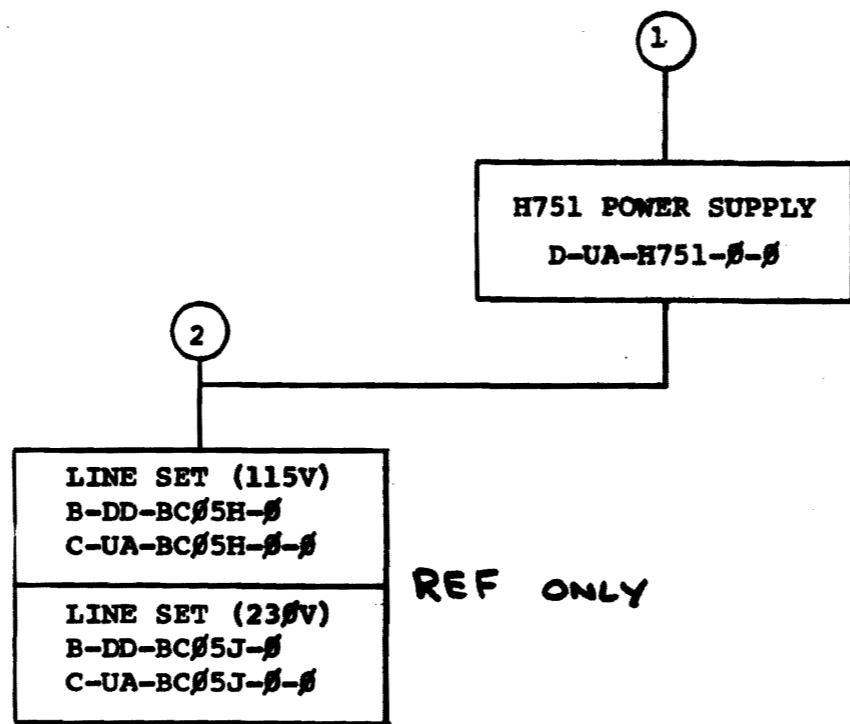
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REV	CHANGE NO	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TL60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
XXX - .005	.0030	DRN	DATE	6-14-72
.XX - .02		CHK'D	DATE	6-16-72
.X - .1		ENG	DATE	6-16-72
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
B-CO-TU60-0		SIZE/CODE		NUMBER
SCALE		DCS		M77-0-1
SHEET 5 OF 5		DIST.		

digital EQUIPMENT CORPORATION
 READ/WRITE AND SERVO (READ CIRCUITS)
 NUMBER
 REV L



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
H751 POWER SUPPLY		B DD	H751-#	E

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL								
H751-Ø				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	H751-Ø				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X					1	D-UA-H751-Ø-Ø	E	2	H751 POWER SUPPLY							1	D-UA-H751-Ø-Ø	#	2	H751 POWER SUPPLY	
X						A-PL-H751-Ø-Ø	E	2	H751 POWER SUPPLY (PL)								A-PL-H751-Ø-Ø	#	2	H751 POWER SUPPLY (PL)	
						E-IA-5310191-0-0		1	CHASSIS, POWER SUPPLY								E-IA-5310191-0-0		1	CHASSIS, POWER SUPPLY	
X						D-CS-H751-Ø-1	B	1	CIRCUIT SCHEMATIC H751												
X						D-CS-5410131-0-1	#	2	CIRCUIT SCHEMATIC												
					2	B-DD-BCØ5H-Ø	#	3	LINE SET												
						C-UA-BCØ5H-Ø-Ø		1	LINE SET BCØ5H (115V)												
						C-UA-BCØ5J-Ø-Ø		1	LINE SET BCØ5J (230V)												

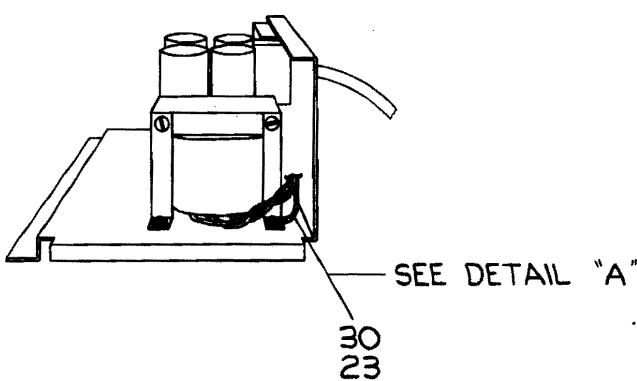
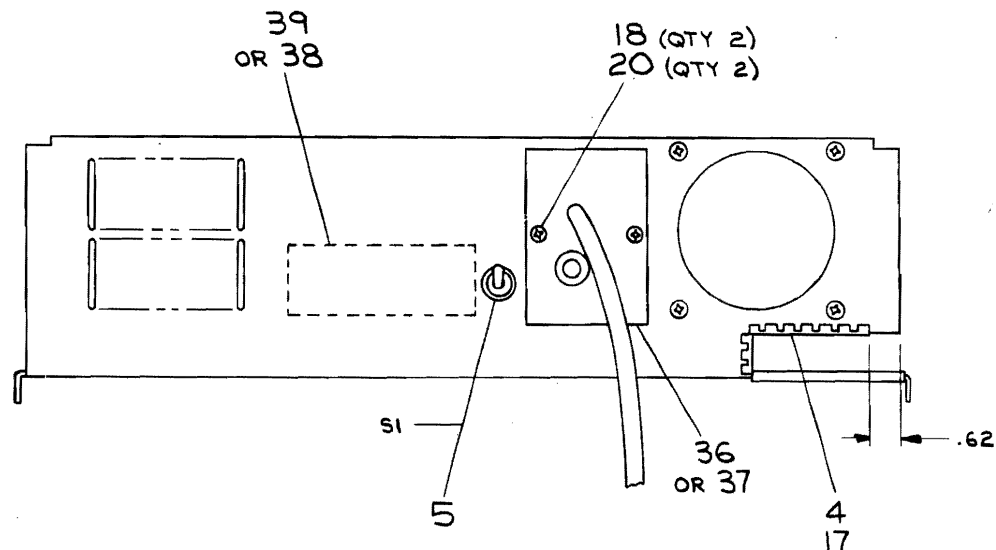
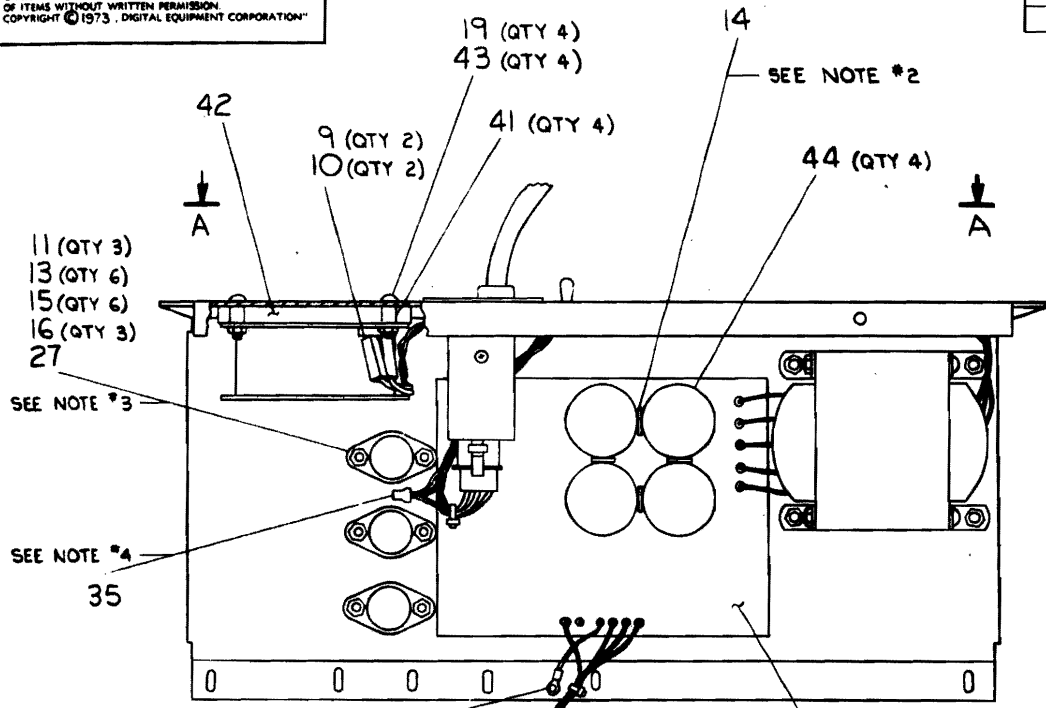
CUSTOMER PRINT SET CODES
 X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
 C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
 S = CONFIDENTIAL THORIZED SIGNATURE REQUIRED

TITLE: H751 POWER SUPPLY
 SHEET 3 OF 3
 SIZE CODE: B DD
 NUMBER: H751-Ø
 REV: E

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LEGEND	
H751-A	115 V
H751-B	230 V

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



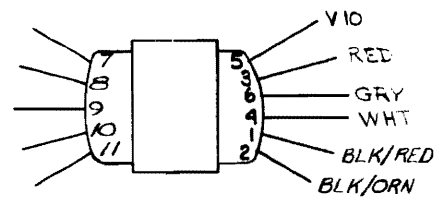
REV	CHANGE NO.	BY	DATE
1	H751-00004	D	
2	REVISED DRAWING	R. THOMAS	
3		M. LEIS	
4	H751-00003	M. LEIS	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU6Ø				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. F. CARBERRY	DATE 9-25-72	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>	
TOLERANCES	CHK'D. B. MAJOR	DATE 10-25-72		
DECIMALS .xxx = .005	ENG. LARRY NARHI	DATE 10-25-72		
ANGLES :xx = .02	PROJ. ENG. M. LEIS	DATE 10-25-72		
.x = .1	PROD. B. DIGREGORIO	DATE 10-25-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	TITLE		H751 POWER SUPPLY	
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	B-DD-H751-Ø		D UA	H751-Ø-Ø
	SCALE	NONE		
	SHEET	1 OF 2		

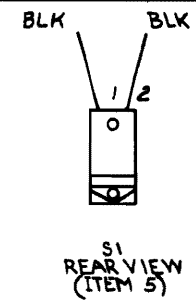
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WIRED TABLE

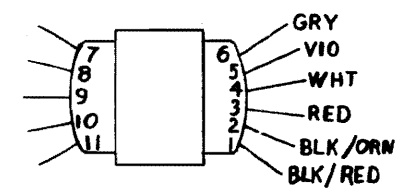
ITEM NO	DESCRIPTION		FROM		TO		REMARKS	LENGTH (IN)
	AWG	COLOR	CONN	WITH	CONN	WITH		
5	18	BLK	S1-1	—	P2-1	8	DO NOT CUT	
5	18	BLK	S1-2	—	—	35	SEE NOTE 4	DO NOT CUT
12	18	BLK/RED	T1-1	—	—	—	—	15
32	18	BLK	P2-4	8	—	—	—	3
12	18	VIO	T1-5	—	P3-1	9,10	—	18
12	18	RED	T1-3	—	P2-5	8	—	18
12	18	WHT	T1-4	—	P2-3	8	—	18
30	18	GRN	P2-2	8	GND	23	SEE DETAIL A	16
12	18	GRY	T1-6	—	P3-2	9,10	—	18
12	18	—	T1-7	40	P4-7	SOLDER	—	1 1/4
12	18	—	T1-8	40	P4-8	SOLDER	—	1 1/4
12	18	—	T1-9	40	P4-9	SOLDER	—	1 1/4
12	18	—	T1-10	40	P4-10	SOLDER	—	1 1/4
12	18	—	T1-11	40	P4-11	SOLDER	—	1 1/4
31	18	RED	P4 - +5V	SOLDER	P1-4	8	—	16
33	18	ORN	P4 - +15V	SOLDER	P1-1	8	—	16
34	18	BLU	P4 - -15V	SOLDER	P1-2	8	—	16
32	18	BLK	P4 - GND	SOLDER	P1-3	8	—	16
12	18	BLK/ORN	T1-2	—	P2-6	8	—	18
2	—	—	BR2-(+)	40	P4-(+)	SOLDER	—	1
2	—	—	BR2-(-)	40	P4-(-)	SOLDER	—	1
2	—	—	BR2-A	40	P4-A	SOLDER	—	1
2	—	—	BR2-B	40	P4-B	SOLDER	—	1
32	18	BLK	P4 - GND	SOLDER	—	23	—	2



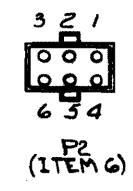
T1 TOP VIEW (ITEM 12)



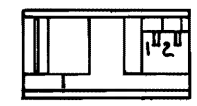
S1 REAR VIEW (ITEM 5)



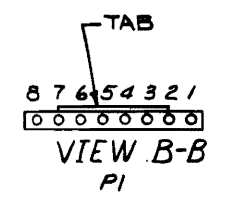
T1 (ALTERNATE VENDOR)



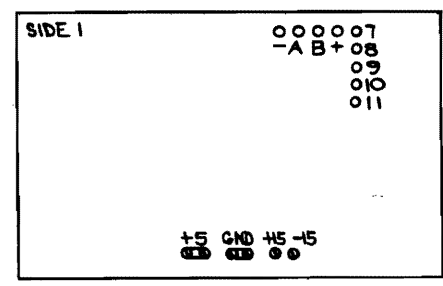
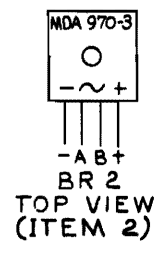
P2 (ITEM 6)



P3 (ITEM 3) TOP VIEW



VIEW B-B P1



P4 (ITEM 28)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.	
TUG0					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DATE 2/26/74	DATE 07-17	 DIGITAL EQUIPMENT CORPORATION <small>MAYFORD MASSACHUSETTS</small>		
DECIMALS	DATE 07-17	DATE 10-25-74			H751 POWER SUPPLY
ANGLES	DATE 10-25-74	DATE 10-17-74			
.XXX - .008 .XX - .02 .X - .1	DATE 10-17-74	DATE 10-17-74			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 10-17-74	DATE 10-17-74			
MATERIAL	NEXT HIGHER ASSY.		REV. CODE	NUMBER	
FINISH	B-DD-H751-0		DUA	H751-0-0	
SCALE NONE		SHEET 2 OF 2		REV. E	

DRAWING 40-07 15846
 REVISIONS
 CHANGE NO.
 REV.

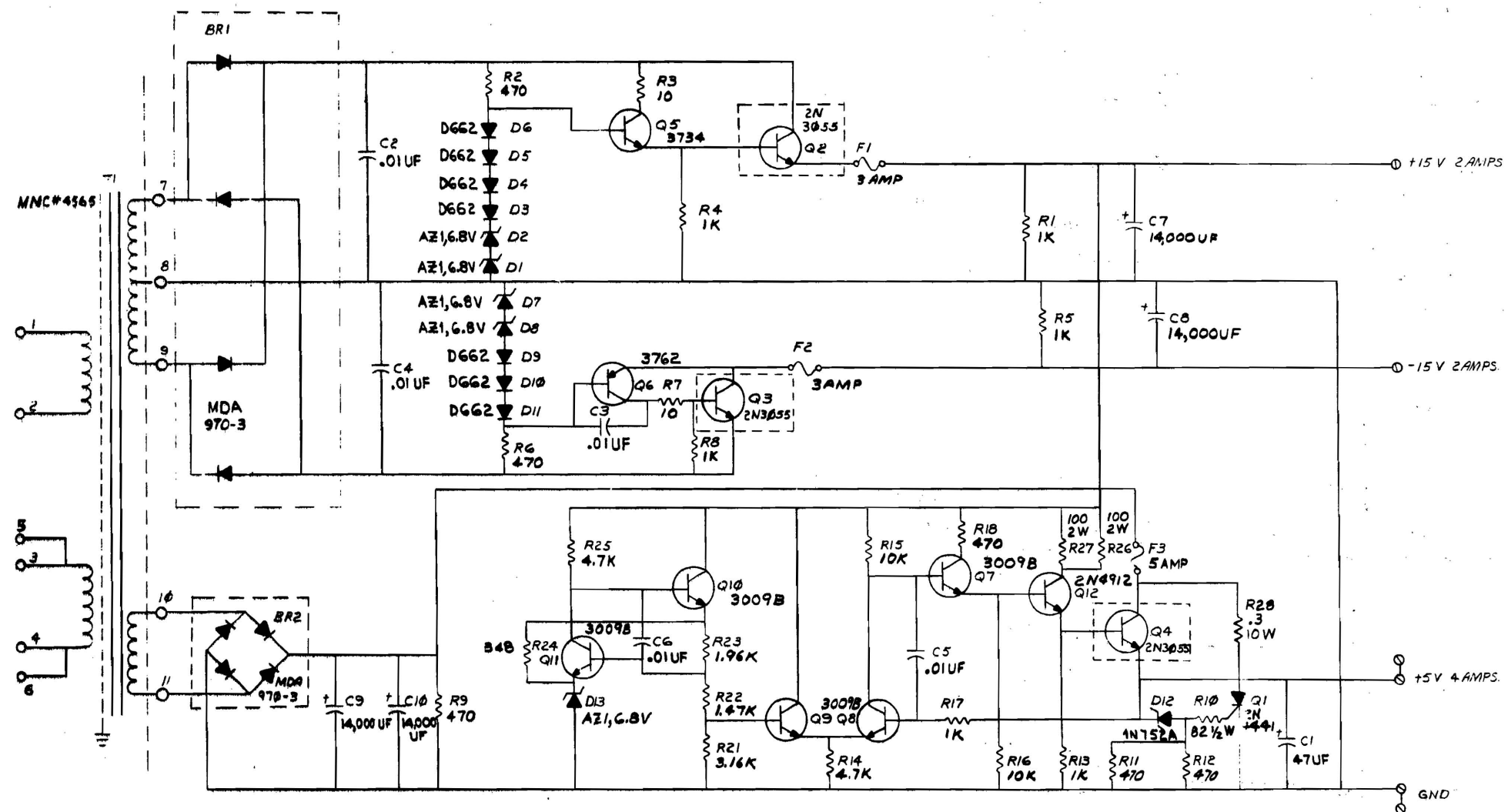
DUA H751-0-0

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

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST					QUANTITY / VARIATION																
MADE BY F. CARBERRY		CHECKED W. MAJOR		SECTION	H751-A	H751-B															
DATE 9/19/72		DATE 10/6/72		1																	
ENG <i>Larry Nash</i>		PROD <i>Est. 10/26/72</i>		ISSUED SECT.																	
DATE 10/26/72		DATE 10/26/72		1																	
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																			
23	9006776	CONN, SOLDERLESS, AMP #31889			2	2															
24	9006563	KEP NUT, #8			4	4															
25	9007793-1	SCR, #6-32 x 9/16, PHL PAN HD			1	1															
26	9006656	WASHER, FLAT, #6			1	1															
27	9008268	COMPOUND, THERMAL JOINT			A/R	A/R															
28	D-CS-5410131-0-1	CASSETTE POWER SUPPLY			1	1															
29	9007031	CABLE TIE, PANDUIT, SST 1 M			A/R	A/R															
30	9107360-55	WIRE, #18 AWG STRD, IPVC, GRN			A/R	A/R															
31	9107360-22	WIRE, #18 AWG, STRD, IPVC, RED			A/R	A/R															
32	9107360-00	WIRE, #18 AWG, STRD, IPVC, BLK			A/R	A/R															
33	9107360-33	WIRE, #18 AWG, STRD, IPVC, ORN			A/R	A/R															
34	9107360-66	WIRE, #18 AWG, STRD, IPVC, BLU			A/R	A/R															
35	9009541	SPLICE, CLOSED END AMP #36965			1	1															
36	C-UA-EC05H-0-0	LINE CORD SET, 115VAC			1																
37	C-UA-BC05J-0-0	LINE CORD SET, 230VAC				1															
38	A-DC-5310297-0-0	H751-A DECAL (115V)			1																
39	A-DC-5310298-0-0	H751-B DECAL (230V)				1															
40	9107278-00	TUBING, BLACK, TFE #18AWG			A/R	A/R															
41	9007615	1/4 X 1/4 X 6 ROUND FIBER SPACER			4	4															
42	A-PS-1211343-0-0	FILTER			1	1															
43	9006025-1	SCR, 6-32 X 5/8 PHL. PAN HL.			4	4															
44	1011023	CAP, 14000 UF, 20V, (C7, C8, C9, C10)			4	4															
TITLE H751 POWER SUPPLY				ASSY NO. D-UA-H751-0-0		SIZE CODE A PL		NUMBER H751-0-0				REV. E		ECO NO.							
				SHEET 2 OF 2		DIST.															

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



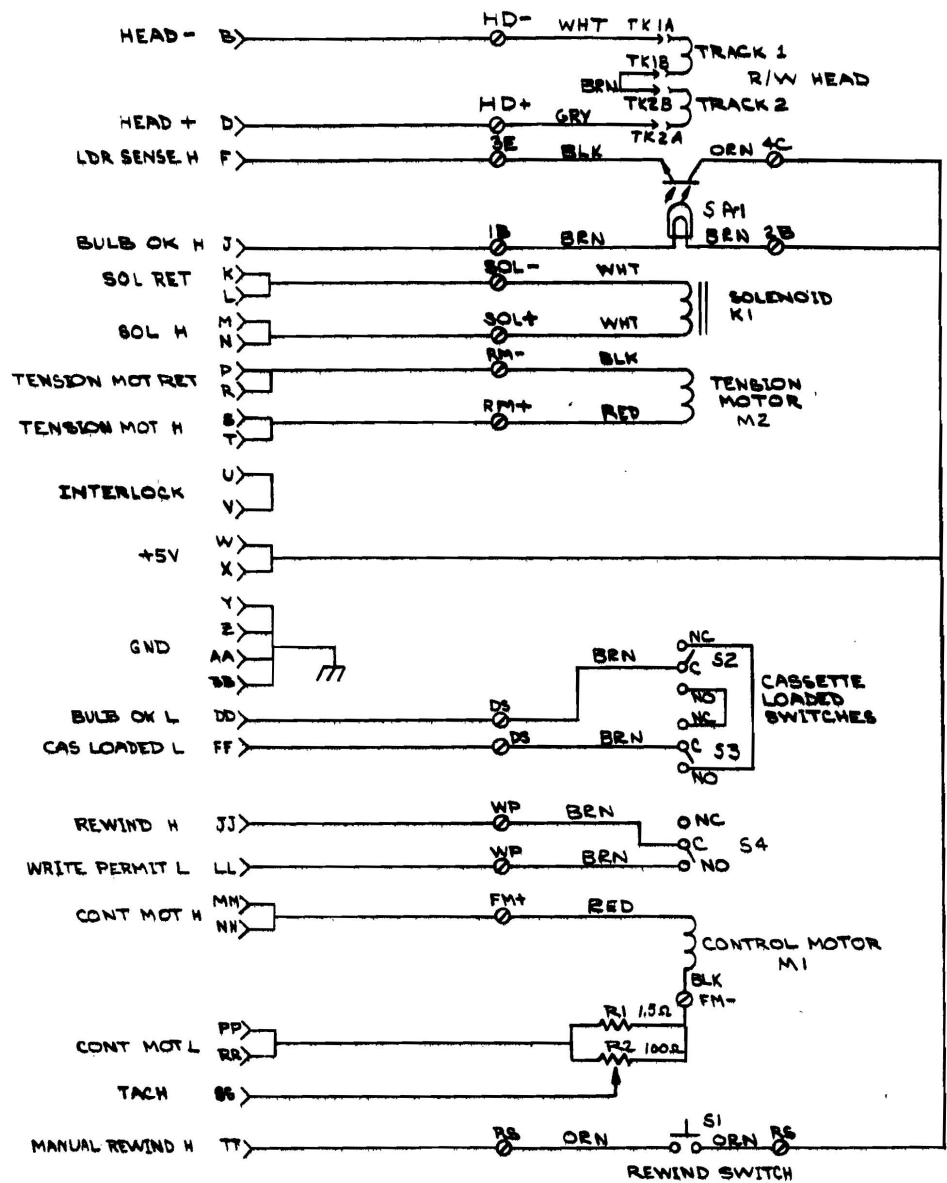
O INDICATES HOLES FOR DIODE BRIDGE
Q2, Q3, Q4, BR2 & T1 ARE MOUNTED ON
CHASSIS/HEAT SINK

QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO.
PARTS LIST				
ETCH BOARD REV C				
DRN W. H. Moore		DATE 7-25-72	 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D W. H. Moore		DATE 7-26-72		
ENG. James Thacker		DATE 7/27/72		
PRG. ENG. James Thacker		DATE 8/1/72		
PRG. Bob G. Moore		DATE 7/27/72		
NEXT HIGHER ASSY			TITLE CASSETTE POWER SUPPLY	
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SIZE CODE D CS 5410
SEMICONDUCTOR CONVERSION CHART				NUMBER 1-10-1
SHEET 2 OF 2				DIST.

7 6 5 4 3 2 1

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



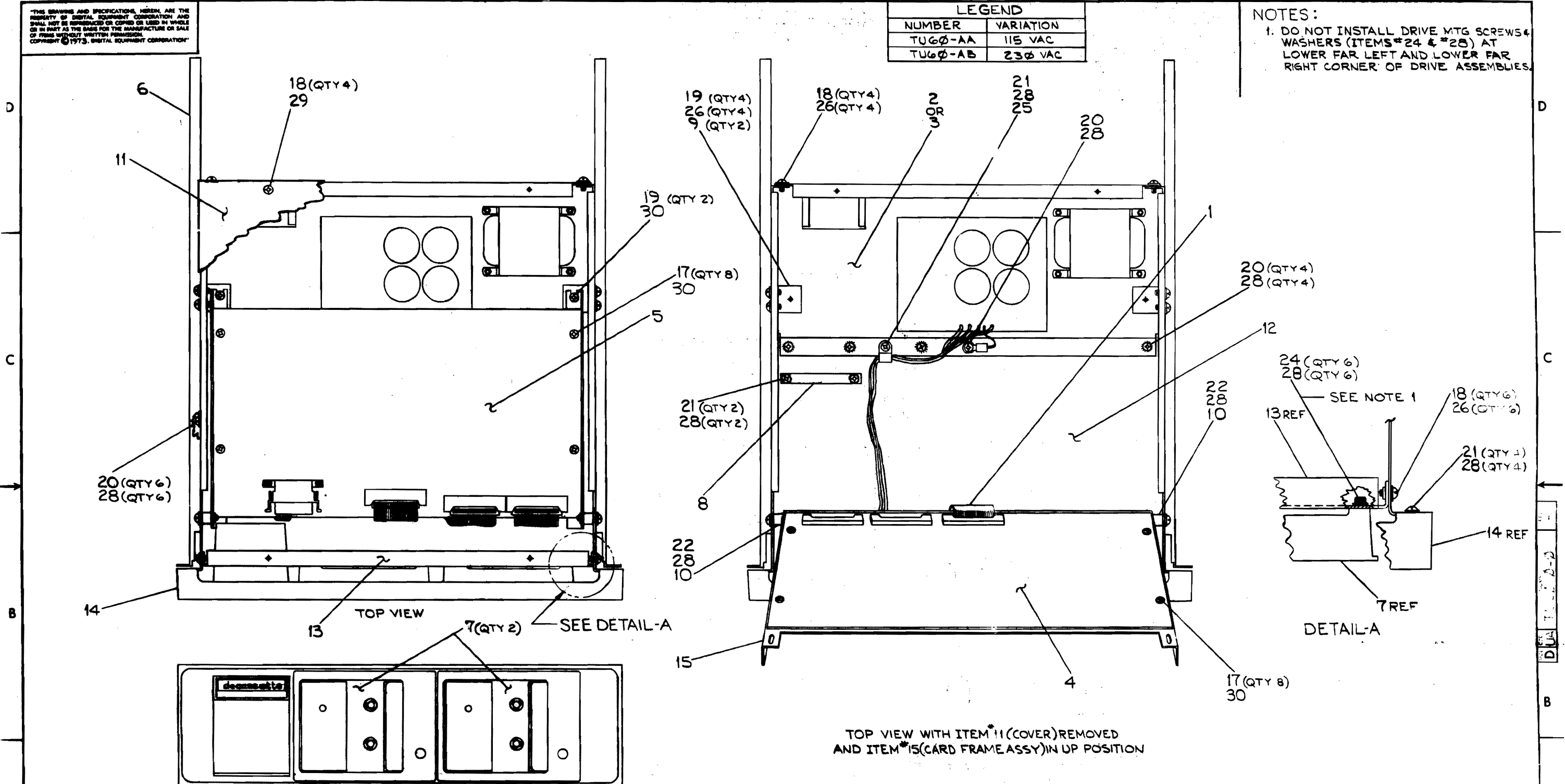
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN DATE CHK'D DATE	DATE DATE DATE	EQUIPMENT CORPORATION
DECIMALS	ANGLES	ENG. DATE	TITLE	
.XXX = .008	±0° 30'	APPROV. DATE	CASSETTE DRIVE WIRING DIAGRAM	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. DATE		
MATERIAL	NEXT HIGHER ASSY.			
SS	5-00-TU60-0		DWD TU60-0-WD	
FINISH	SCALE			
SS	1/1			
	SHEET	OF	DIST.	
		1		

REV	
CHG	
NO	

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LEGEND	
NUMBER	VARIATION
TU6Ø-AA	115 VAC
TU6Ø-AB	23Ø VAC

NOTES:
1. DO NOT INSTALL DRIVE MTG SCREWS & WASHERS (ITEMS #24 & #28) AT LOWER FAR LEFT AND LOWER FAR RIGHT CORNER OF DRIVE ASSEMBLIES.



TOP VIEW WITH ITEM #11 (COVER) REMOVED AND ITEM #15 (CARD FRAME ASSY) IN UP POSITION

REV. 1	DATE 12/20/72	BY G. FLANDERS
REV. 2	DATE 1/11/73	BY W. MAJOR
REV. 3	DATE 1/15/73	BY M. LEIS
REV. 4	DATE 1/15/73	BY M. LEIS
REV. 5	DATE 1/15/73	BY M. LEIS

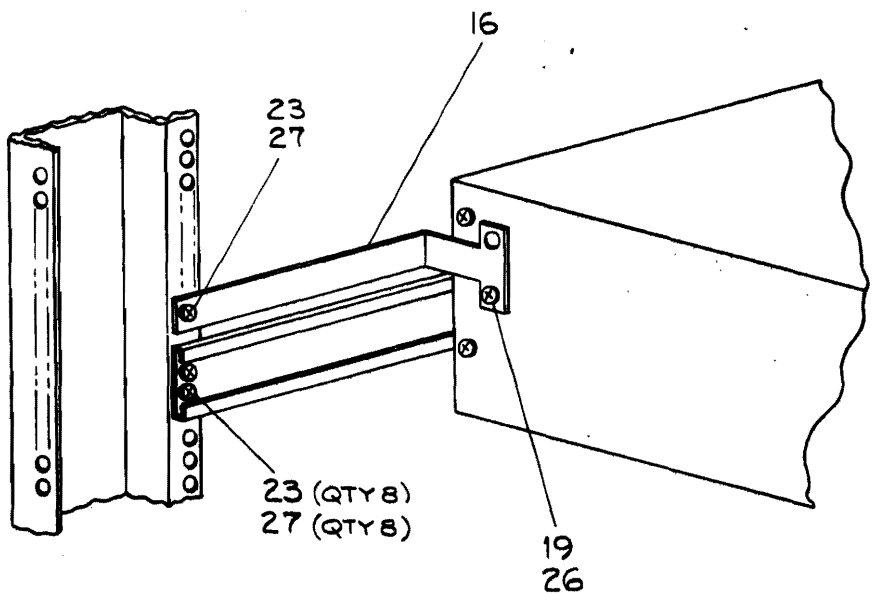
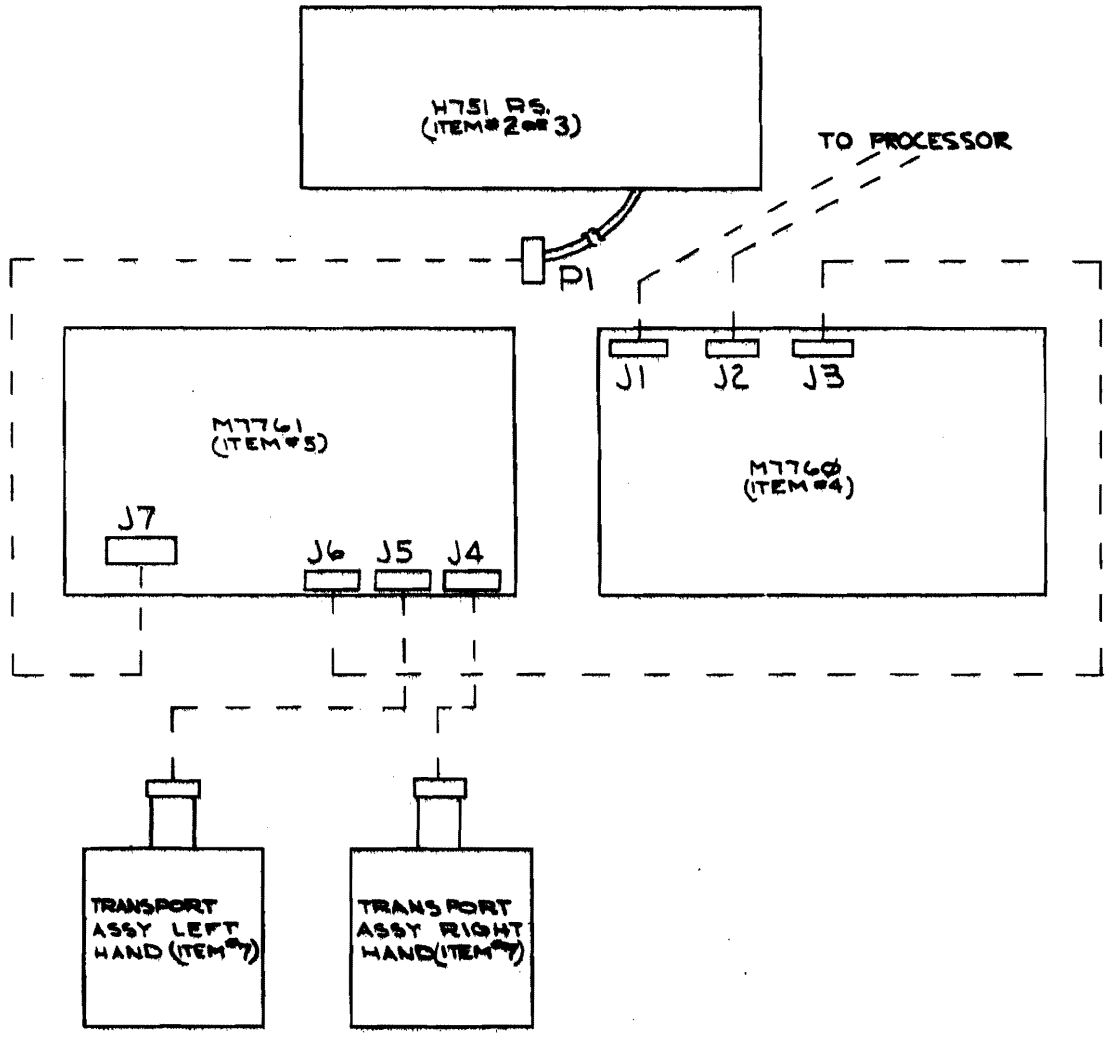
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU6Ø				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES	DATE 12/20/72		
.xxx = .005	±0° 30'	DRN. G. FLANDERS	DATE 1/11/73	
.xx = .02		CHK'D. W. MAJOR	DATE 1/15/73	
.x = .1		ENG. M. LEIS	DATE 1/15/73	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1				
MATERIAL				
FINISH				
NEXT HIGHER ASSY.				
SCALE				
SHEET 1 OF 2				
PARTS LIST		digital EQUIPMENT CORPORATION		
TITLE				
TU6Ø UNIT ASSY				
B-DD-TU6Ø-Ø		SIZE CODE	NUMBER	REV.
DUA		TU6Ø-Ø-Ø		B

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

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



LOCATION OF SHIPPING BRACKET (ITEM#16) WHEN UNIT IS SUPPLIED IN CABINET

REV	CHANGE NO.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.	
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN	DATE	DIGITAL EQUIPMENT CORPORATION		
TOLERANCES	CHK'D	DATE	SOFTWARE CORPORATION		
DECIMALS	W. MAIER	DATE	TITLE TU60 UNIT ASSY		
ANGLES	DATE	NUMBER			
.XXX - .005	DATE	DUA TU60-0-0			
.XX - .02	DATE	DST. 1/2			
.X - .1	DATE	DST. 1/2			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE			
MATERIAL	NEXT HIGHER ASSY.				
FINISH	SCALE				
	SHEET 2 OF 2				

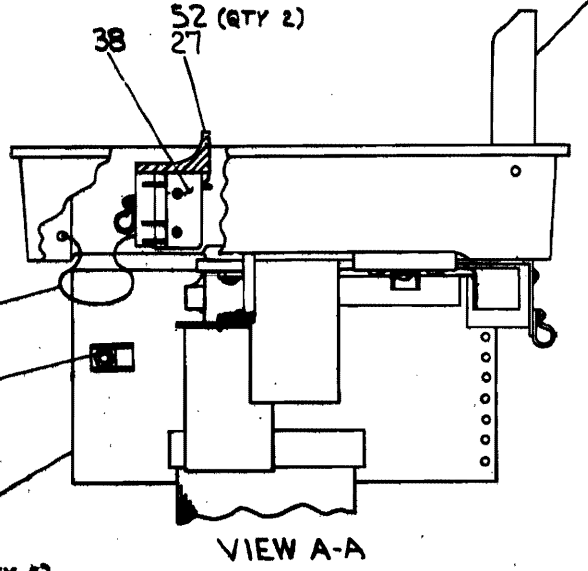
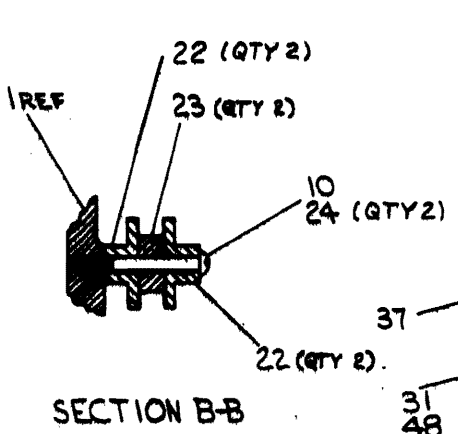
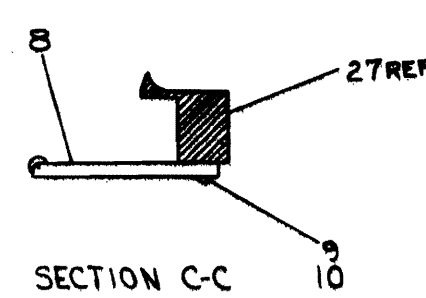
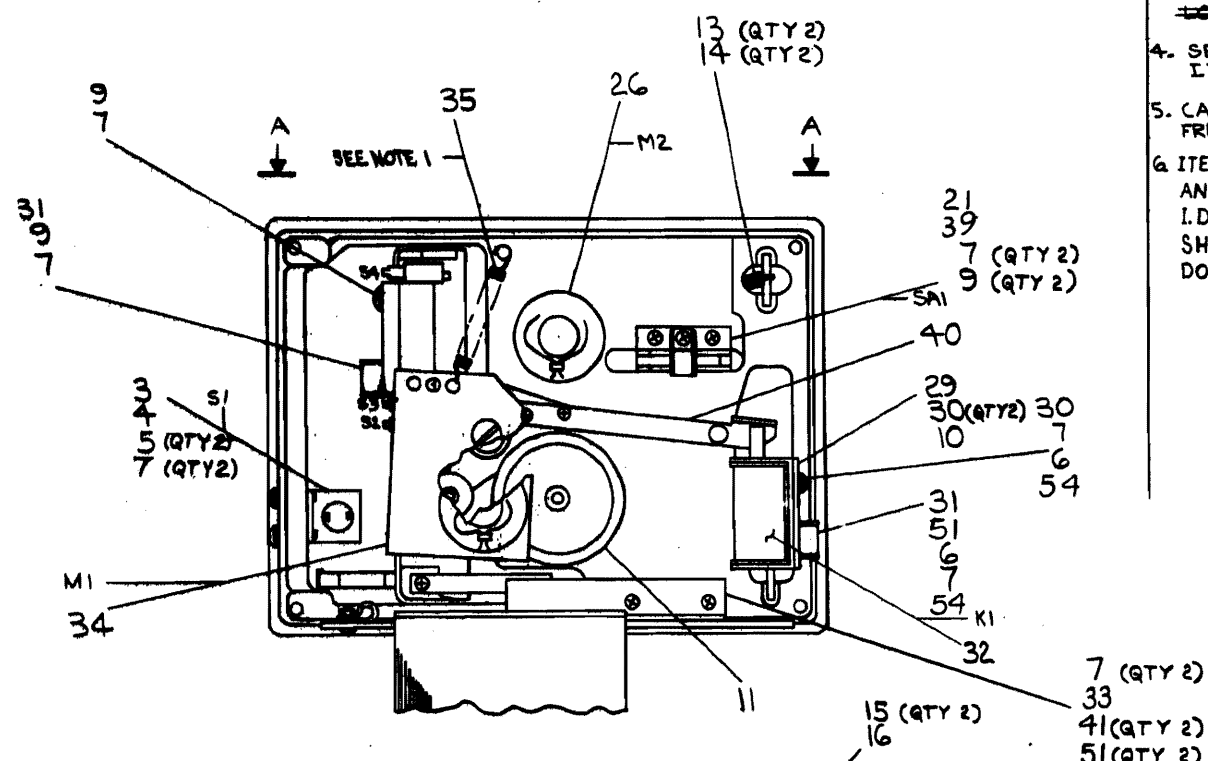
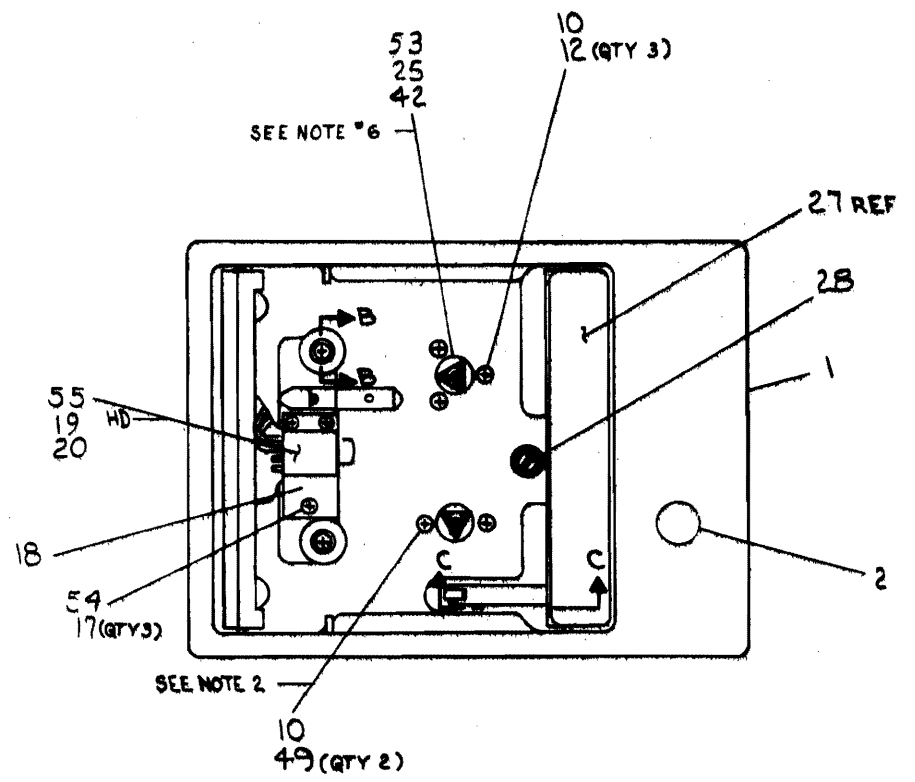
DRAWING NO. 07 13 948

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NOTES:

1. SET SPRING TENSION 45/55 GRAMS MEASURED ON ROCKER ASSY LEVER AT POSITION WHERE SOLENOID STRIKES LEVER. TRANSPORT MUST BE IN OPERATING POSITION.
2. TIGHTEN SCR (ITEM #49) TO 6 INCH-POUNDS OF TORQUE.
3. ~~TRIM LEADS OF ITEM #50 (CND) TO 30 LONG BEFORE SOLDERING TO ITEM #31.~~
4. SEE DETAILS B, C, D TO LOCATE ITEM #47 (CABLE TIES).
5. CABLE WILL BE LACED SO AS NOT TO INHIBIT FREE MOTION OF LOCK-BAR #27.
6. ITEM #53 TO BE USED BETWEEN MOTOR SHAFT AND I.D. OF COUPLING. APPLY LOCTITE TO I.D. OF COUPLING AND SLIP ON MOTOR SHAFT. BE SURE LOCTITE DOES NOT RUN DOWN MOTOR SHAFT TO MOTOR BEARING.



REV.	DATE	BY	CHKD	DESCRIPTION
A	1-18-73	V. DEMPSEY		TUSO-0008
B	4-11-77	V. DEMPSEY		7009014-0000
C	4-23-77	V. DEMPSEY		TUSO-0004
	5-7-78	M. LEIS		

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS		ANGLES	TITLE	
.125 - .005		20° 30'	TRANSPORT ASSY (TU60)	
.25 - .005			EQUIPMENT CORPORATION	
.5 - .005			MAYFIELD MASSACHUSETTS	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL		NEXT HIGHER ASSY.	SCALE	NUMBER
		D-1A-TU60-0-0	DAD	7009014-0-0
FINISH		SHEET	OF	REV.
		1	8	C

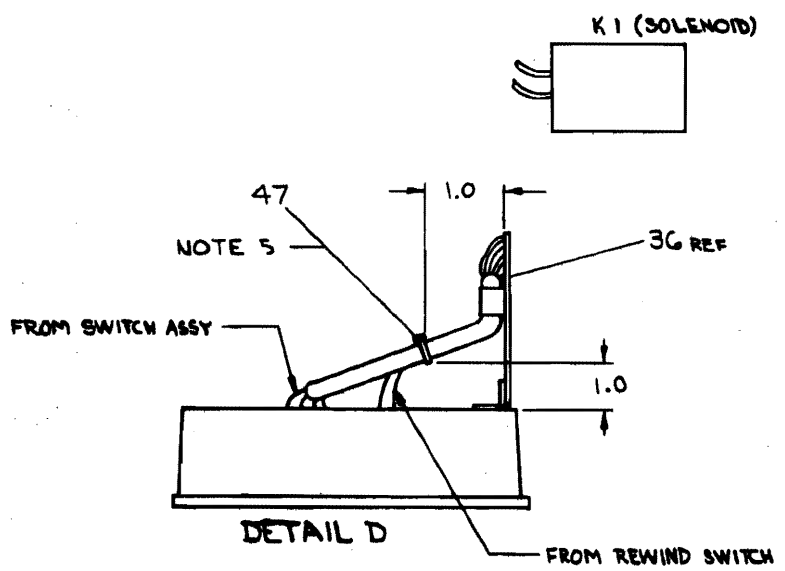
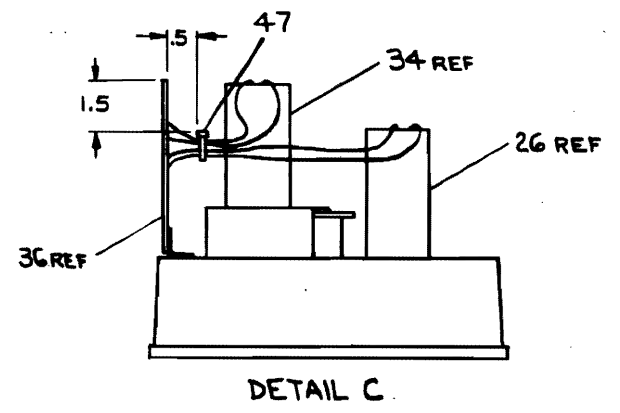
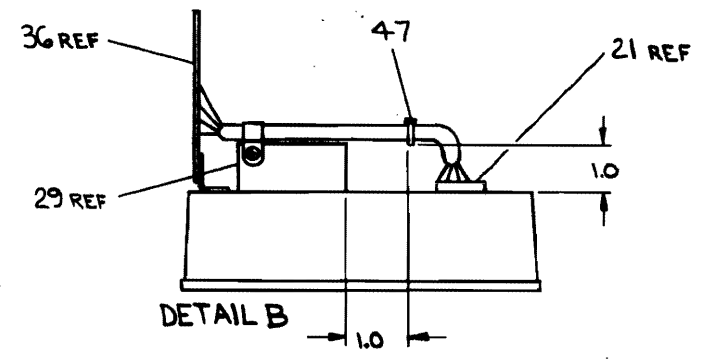
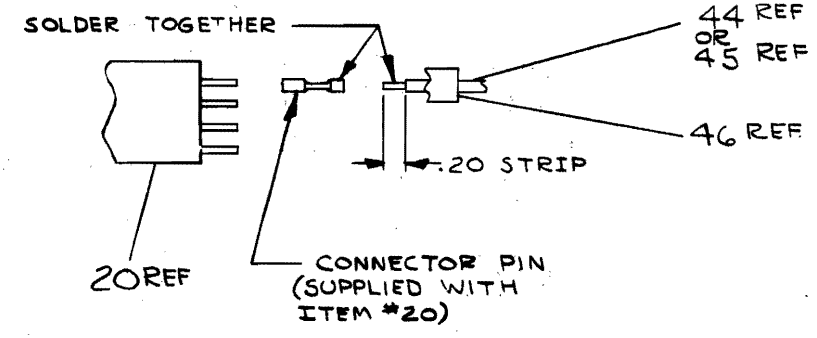
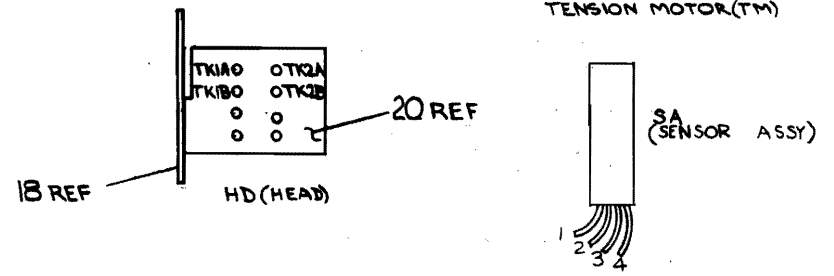
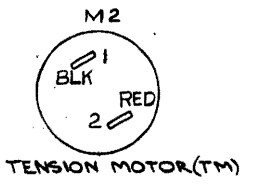
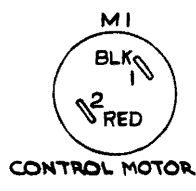
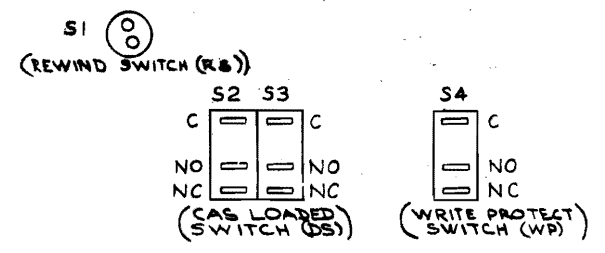
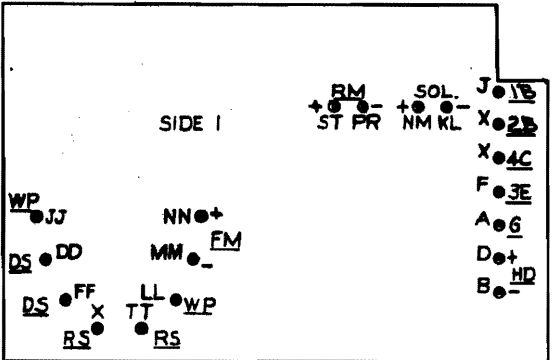
REV. C
NUMBER
DAD 7009014-0-0

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WIRE TABLE

ITEM NO.	DESCRIPTION		FROM		TO		REMARKS	LENGTH
	COLOR	AWG	CONN	WITH	CONN	WITH		
43	ORN	26	S1	SOLDER	PC-X	SOLDER	EITHER S1 TERM.	3.5
43	ORN	26	S1	SOLDER	PC-TT		REMAINING S1 TERM.	3.5
45	WHT	26	HD-TK1A	SOLD#46	PC-DD		SEE DETAIL A	4.5
	GRY	26	HD-TK2A	SOLD#46	PC-B			
			S3-C		PC-FF			
			S4-C		PC-LL			
			S4-NO		PC-JJ			
	BLK		M1-1		PC-MM			5.0
	RED		M1-2		PC-NN			5.0
	BLK		M2-1		PC-PR			5.0
	RED		M2-2		PC-ST			5.0
	WHT		K1		PC-MN		EITHER K1 LEAD	1.25
	WHT		K1		PC-KL		REMAINING K1 LEAD	1.25
	BRN		SA-1		PC-J		EITHER BRN LEAD	
	BRN		SA-2		PC-X		REMAINING BRN LEAD	
	BLK		SA-3		PC-F			
	ORN		SA-4		PC-X	SOLDER		
44	BRN	26	HD-TK1B	SOLD#46	HD-TK2B	SOLD#46	SEE DETAIL A	.75



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN: <i>[Signature]</i> DATE: 9/17/72 CHK'D: <i>[Signature]</i> DATE: 11/17/72 ENG: <i>[Signature]</i> DATE: 12/1/72 PROJ. ENG: <i>[Signature]</i> DATE: 12-3-72 PROD: <i>[Signature]</i> DATE: 11/17/72		
DECIMALS	ANGLES	TITLE: TRANSPORT ASSY (TU60) EQUIPMENT CORPORATION NATHAN, MASSACHUSETTS		
.XXX - .006	±0° 30'	NEXT HIGHER ASSY: D-UA-TU60-0-0 SIZE CODE: DAD NUMBER: 7009014-0-0 RLV: C		
.XX - .02		SCALE: 2 OF 2 SHEET: 2 OF 2		
.X - .1		DIST:		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
FINISH				

REV. 1
DATE CHANGE 12/1/72
REV. 2
DATE CHANGE 11/17/72
REV. 3
DATE CHANGE 12/1/72
REV. 4
DATE CHANGE 12-3-72
REV. 5
DATE CHANGE 11/17/72

REV. 1
DATE CHANGE 12/1/72
REV. 2
DATE CHANGE 11/17/72
REV. 3
DATE CHANGE 12-3-72
REV. 4
DATE CHANGE 11/17/72

REV. 1

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

TITLE		ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
TRANSPORT ASSY (TU6#)		D-AD-7009014-0-0	A PL	7009014-0-0	C	7009014-0-0
		SHEET 1 OF 3	DIST.			

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY/VARIATION			
PARTS LIST							
MADE BY W. MAJOR		CHECKED W. MAJOR		SECTION 1			
DATE 11/27/72		DATE 1/15/73		ISSUED SECT. 1			
ENG WY DENISON		PROD WY DENISON					
DATE 1-16-73		DATE 1/15/73					
ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY	VARIATION	QUANTITY	VARIATION	QUANTITY
45	9107678-28	WIRE, #26 AWG TEF INS WHI/GRY	✓R				
46	9107755	TUBING, SHRINKABLE 3/64 DIA	✓R				
47	9007031	TIE, CABLE 3 3/4 LG X 3/32 WIDE	✓R				
48	9009280	NUT, HEX #4-40 X 3/16 X 1/16	1				
49	9009504-2	SCR, PHL FLAT HD #4-40 X 5/8	2				
50	9006010-1	SCR, PHL PAN HD #4-40 X 5/16	4				
51	9006010-1	SCR, PHL PAN HD #4-40 X 5/16	4				
52	9006517	ROLL PIN 1/8 X 1/4 LG	2				
53		LOCTITE 18-150	✓R				
54		TONOUR SEAL	✓R				
55	9006631	WASHER, INT TOOTH #2	1				

TITLE		ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
TRANSPORT ASSY (TU6#)		D-AD-7009014-0-0	A PL	7009014-0-0	C	7009014-0-0
		SHEET 3 OF 3	DIST.			

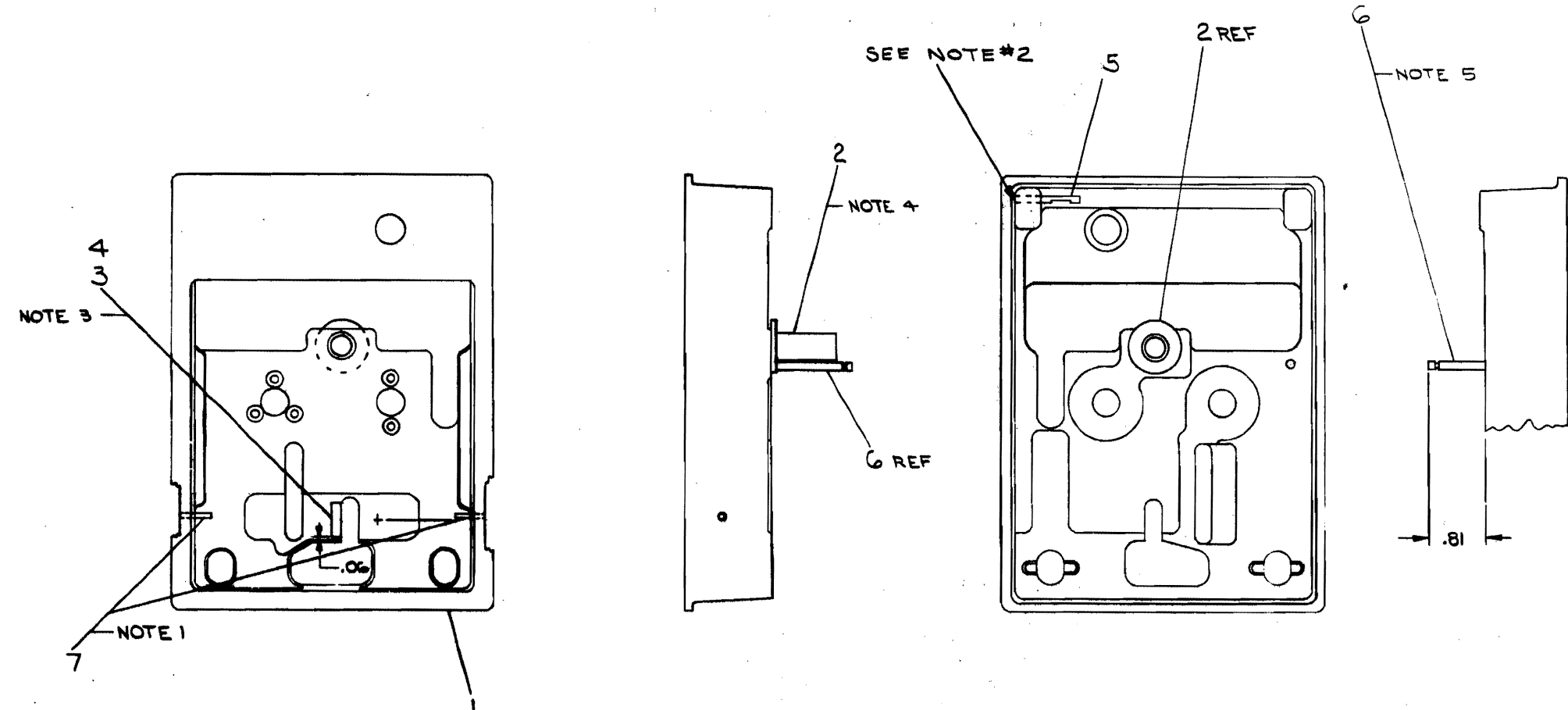
DEC FORM DEC 16-(325)-1031-N870
DRA 110

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

TITLE		ASSY NO.	SIZE CODE	NUMBER	REV.	ECO NO.
TRANSPORT ASSY (TU6#)		D-AD-7009014-0-0	A PL	7009014-0-0	C	7009014-0-0
		SHEET 2 OF 3	DIST.			

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

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

QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	ROLL PIN	9006531	7
1	PIN, SPRING, MOTOR BIAS	CMD-7409934-0-0	6
1	PIN, ANCHOR	CMD-7410539-0-0	5
1/R	LOCTITE IS-06		4
1	SHIM, SKEW	BMD-7413553-0-0	3
1	BUSHING, ROCKER	BMD-7409936-0-0	2
1	BASE, CASSETTE TRANS (MACH)	FMD-740835-0-0	1

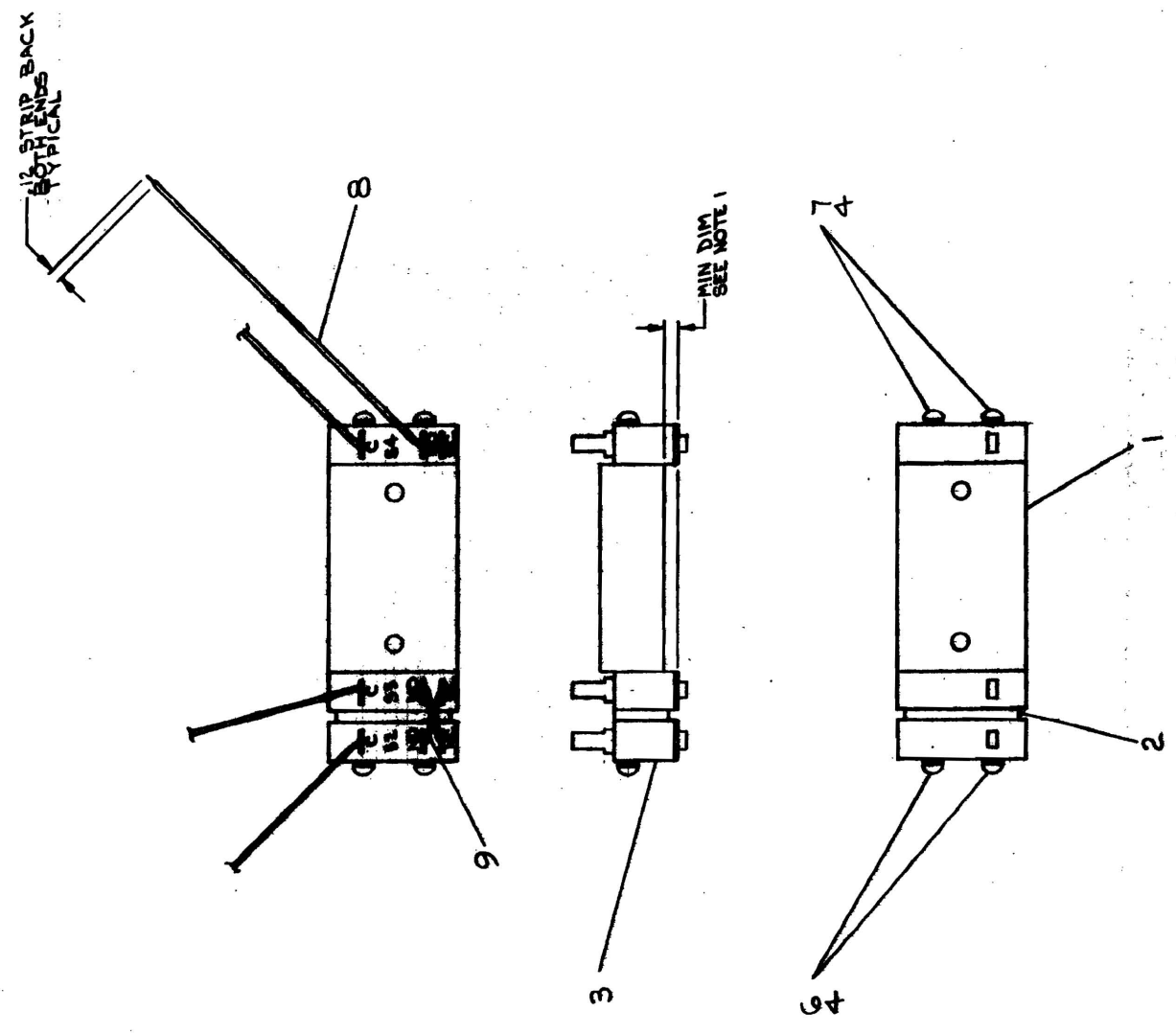
FIRST USED ON OPTION/MODEL TU60		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>K. D. D.</i> DATE 4-15-72	EQUIPMENT CORPORATION	
DECIMALS .XX - .0005	CHK'D. <i>W. Major</i> DATE 11/17/72	TITLE	
ANGLES ±0° 30'	ENG. <i>W. Major</i> DATE 11/17/72	BASE ASSY	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PRG. ENG. <i>W. Major</i> DATE 11/17/72	DIA 7410640-0-0	
MATERIAL	NEXT HIGHER ASSY.	REV. A	
FINISH	SCALE 1/1	SHEET OF 1	DIST. K.

REV. A	DATE 11/17/72
REV. B	DATE 11/17/72
REV. C	DATE 11/17/72
REV. D	DATE 11/17/72
REV. E	DATE 11/17/72
REV. F	DATE 11/17/72
REV. G	DATE 11/17/72
REV. H	DATE 11/17/72
REV. I	DATE 11/17/72
REV. J	DATE 11/17/72
REV. K	DATE 11/17/72
REV. L	DATE 11/17/72
REV. M	DATE 11/17/72
REV. N	DATE 11/17/72
REV. O	DATE 11/17/72
REV. P	DATE 11/17/72
REV. Q	DATE 11/17/72
REV. R	DATE 11/17/72
REV. S	DATE 11/17/72
REV. T	DATE 11/17/72
REV. U	DATE 11/17/72
REV. V	DATE 11/17/72
REV. W	DATE 11/17/72
REV. X	DATE 11/17/72
REV. Y	DATE 11/17/72
REV. Z	DATE 11/17/72

REV. A
DIA 7410640-0-0

WIRE TABLE

ITEM	DESCRIPTION	FROM	TO	LENGTH
1	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
2	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
3	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
4	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
5	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
6	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
7	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
8	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"
9	WIRE, 22 AWG, 1/2" LONG	CONN	WIRE	1"



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

QTY	DESCRIPTION	PART NO.	UNIT
1	WIRE, BLISS, #22 AWG	9107580-01	9
1	WIRE, 22 AWG, 1/2" STRD	9107636-11	8
2	SCR, PHL HD PAN 2-56 X 1/4" WT	5006005-1	7
2	SCR, PHL HD PAN 2-56 X 3/8" WT	5006006-1	6
4	WASHER, INT TOOTH 2. SET.	900666-81	4
3	SWITCH, MICRO	1705182	3
1	SPACER, MICRO SWITCH	38040998-00	2
1	SWITCH, MICRO	38040998-00	1

TUSO

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES

DECIMALS: ANGLES: 10° 30'

SCALE: .5" = 1"

MATERIAL: STEEL ALUMINUM BRASS COPPER INCONEL

FINISH: POLISHED ANODIZED PLATED

DATE: 10/21/54

DESIGNED BY: J. M. M. CHECKED BY: J. M. M.

APPROVED BY: J. M. M.

REVISIONS: 1

REV: A

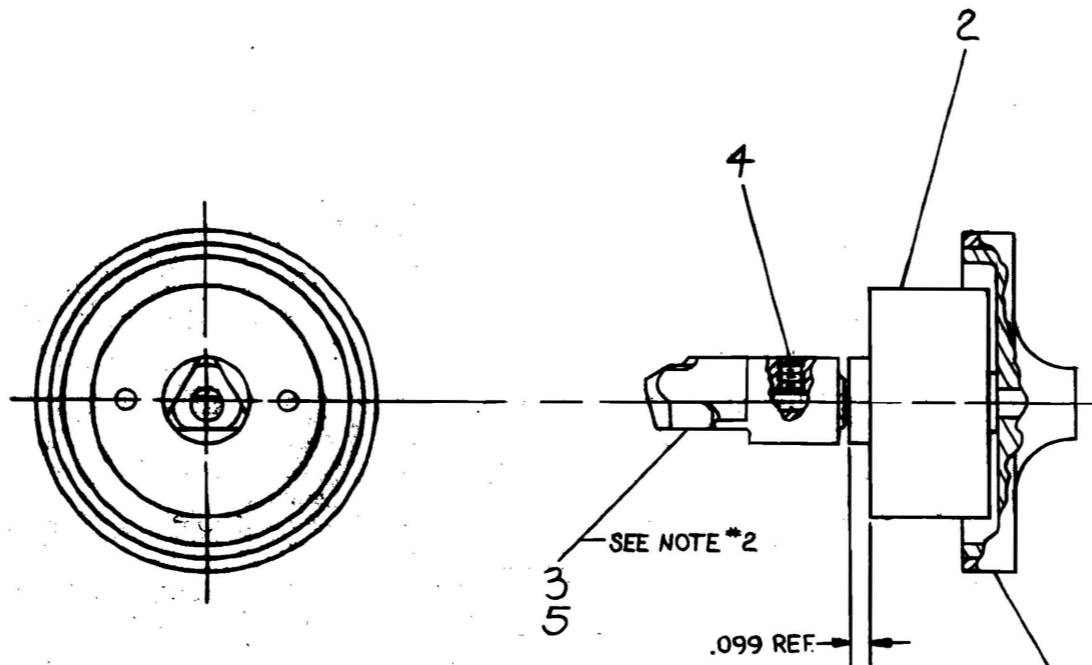
PART NO: 910700941-0-0

TITLE: SWITCH ASSY

EQUIPMENT CORPORATION

REV	CHG	DATE	BY
1	A	10-21-54	J. M. M.

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NOTES:
 1. ITEM #3 TO BUTT AGAINST SHOULDER OF SPINDLE.
 2. LOCTITE TO BE USED BETWEEN SPINDLE SHAFT AND I.D. OF COUPLING. APPLY LOCTITE TO I.D. OF COUPLING AND SLIP ON SPINDLE SHAFT. BE SURE LOCTITE DOES NOT RUN DOWN TO BEARING.

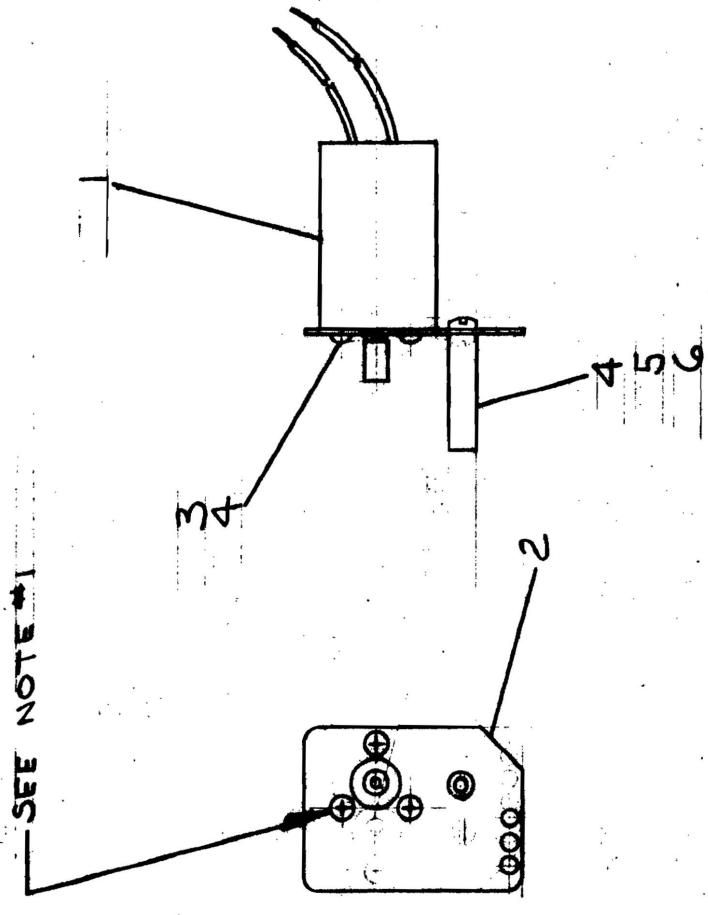
A/R	LOCTITE IS 150		5
1	SCREW, SET, #2-56	90092.74	4
1	COUPLING, CASSETTE DRIVE	D-PS-1211279-0-0	3
1	BEARING	C-MD-7410692-0-0	2
1	PULLEY, DRIVE ASSY	C-1A-7409914-0-0	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU60				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN <i>Z. Carberry</i>	DATE 2/11/72	 DIGITAL EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>
DECIMALS	ANGLES	CHK'D <i>W. Major</i>	DATE 02/25/72	
.XXX - .006	±0° 30'	ENG. <i>M. Roman</i>	DATE 2/11/72	
.XX - .02		PROJ. ENG.	DATE 2/11/72	
.X - .1			DATE 2/11/72	TITLE SPINDLE ASSY
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	SS	NEXT HIGHER ASSY.		
FINISH	SS	D-AD-7009014-0-0	SIZE CODE C AD	NUMBER 7009146-0-0
		SCALE 2/1		REV. B
		SHEET 1 OF 1	DIST. C	

DRAWING 40-107 10940

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



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	PIVOT, MOTOR	CMD-74001500	6
1	SCR, SLOT HD PAN	9009277	5
A/R	LOCTITE 242		4
3	SCR, PHL PAN HD 4-40-14	9008301-1	3
1	MOUNT, MOTOR	CMD-74001000	2
1	DRIVE MOTOR ASSY	CJA-100219500	1

PARTS LIST DATE: 9-27-78 CHECKED: J.M. [Signature] DRAWN: J.M. [Signature]		EQUIPMENT CORPORATION MOTOR MOUNT ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES: DECIMALS: .0005 ANGLES: 30° 30'		TU60 UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES: DECIMALS: .0005 ANGLES: 30° 30'	
PART NO. 7009140-0-0 REV. A		PART NO. 7009140-0-0 REV. A	

D C A B A D A

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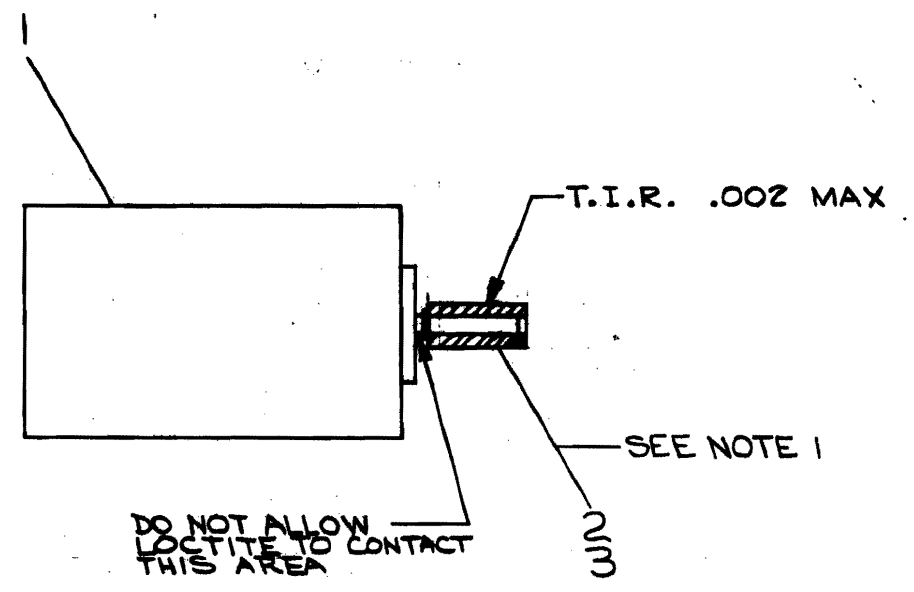
DRAWING 40-107 12046

REV. 10/10/73

M. LEIS

TUGO-00012

C-AD-7009140-0-0



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

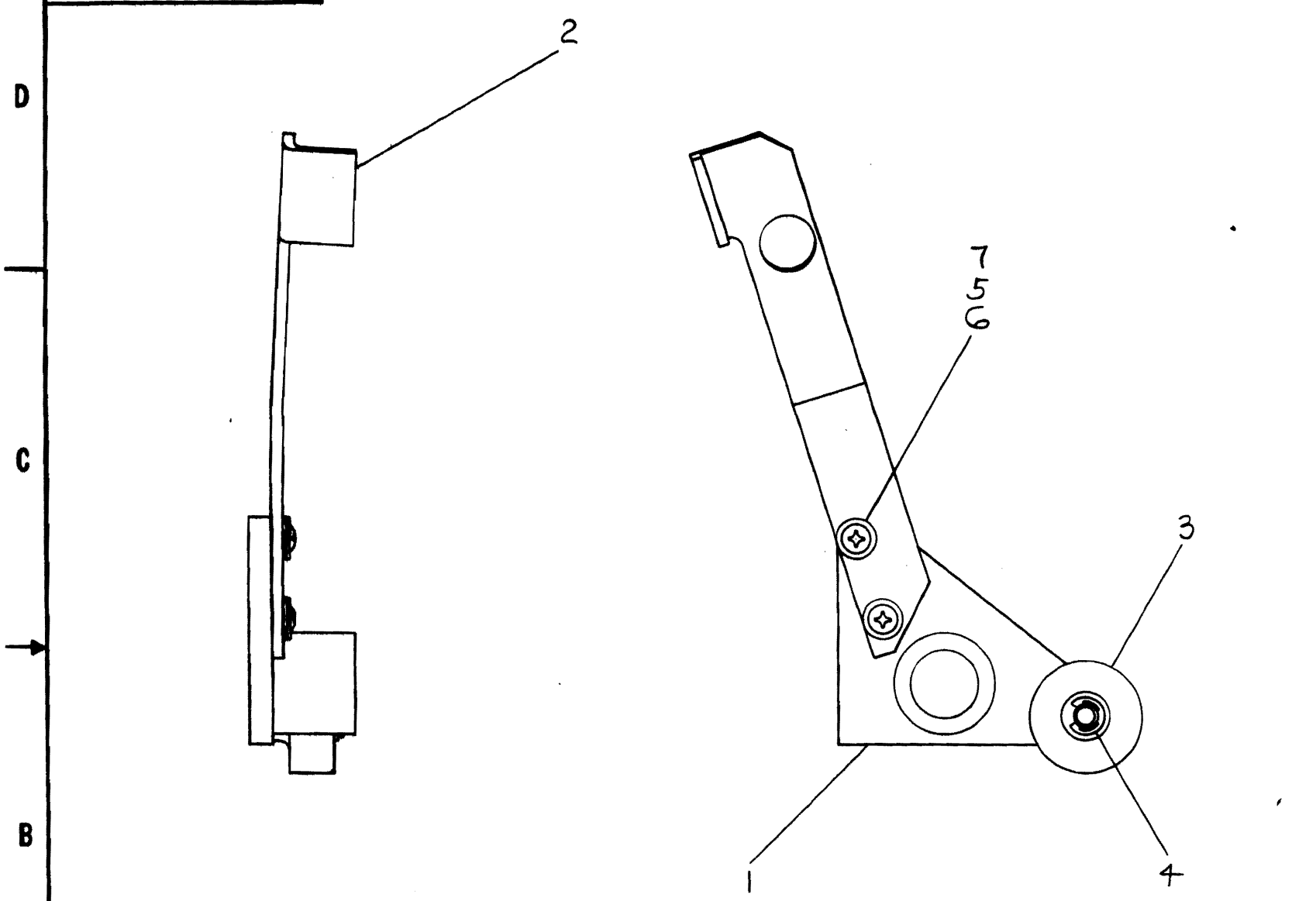
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LOCTITE IS-150		
1	SLEEVE, MOTOR	C-MD-7409913-0-0	
1	MOTOR	1211111	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUGO				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>Z. Carlson</i>	DATE 10-5-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS TITLE DRIVE-MOTOR ASSY
DECIMALS	ANGLES	CHKD. <i>W. Major</i>	DATE 10/25/72	
.XXX - .005	± 0° 30'	ENG. <i>W. Jensen</i>	DATE 10/25/72	
.XX - .02		PROJ. ENG. <i>W. Jensen</i>	DATE 10/15/72	
.X - .1		<i>W. Jensen</i>	DATE 02/27/73	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE NUMBER REV.		
SS	C-AD-7009140-0-0	C IA 7009139-0-0		
FINISH	SCALE 2/1	DIST. G		
SS	SHEET 1 OF 1			

NUMBER 7009139-0-0

4 3 2 1

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

FIRST USED ON OPTION/MODEL TU60		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN <i>Z. Arbery</i> DATE 9/12/78	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE <h2>LEVER ASSY</h2>
DECIMALS	ANGLES	CHK'D <i>W. Major</i> DATE 11/1/78	
.XXX = .006	±0° 30'	ENG. <i>W. Major</i> DATE 4/1/78	
.XX = .02		PROJ. ENG. <i>W. Major</i> DATE 11/6/78	
.X = .1		DATE 11/1/78	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.	
MATERIAL	D-AD-7009014-0-0		SIZE CODE C AD
FINISH	SCALE 2/1		NUMBER 7009148-0-0
SHEET 1 OF 1		DIST. G	

REV.	NO.
CHK	CHANGE NO.

REV. NUMBER
 C AD 7009148-0-0
 SHEET CODE
 B

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION				DATE 5/17/73		
TITLE TALL ACCEPTANCE PROCEDURE						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
<p>This document describes the TALL Acceptance Procedure. Section 1 through 5 describes acceptance at the option level. Section 6 describes acceptance at a system level.</p>						
<p>NOTE: Any failure or deficiencies noted during this procedure shall be corrected before proceeding to the next step.</p>						
ENG Dan Mitnansky	APPD <i>Daniel Mitnansky</i>	SIZE A	CODE SF	NUMBER TALL-0-11	REV	

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE TALL ACCEPTANCE PROCEDURE			
1.0	ACCEPTANCE HARDWARE		
1.1	TALL Cassette interface module.		
1.1.1	M7892 with priority level #6.		
1.2	TU60 Cassette dual drive.		
1.2.1	TALL-AA; TU60-AA Cassette, dual drive, 115 VAC, 50-60 HZ, rack mountable.		
1.2.2	TALL-AB; TU60-AB Cassette, dual drive, 230 VAC, 50-60 HZ, rack mountable.		
1.3	Interface Cables		
1.3.1	Two (2) BC98S-15.		
2.0	ACCEPTANCE ACCESSORIES		
2.1	Cassette MAINDECS LIBKIT-11-TALLA-K		
2.1.1	TALL Cassette Diagnostics		
	11-DECAA Basic Test (Part 1)		
	11-DETAB Basic Test (Part 2)		
	11-DETAC Manual Intervention Test		
	11-DETAD Motion Test		
	11-DETAB Data Reliability		
2.2	TALL Manual, DEC-11-DETACA-A-D		
2.3	TU60 Maintenance Manual, DEC-00-TU60-DA		
2.4	TALL Print Set, B-DD-TALL-B		
2.5	DEC 150 - Cassette tapes (2) PH36-11226		
3.0	INSPECTION		
3.1	Utilize drawing directory to assure that the print sets are complete.		
3.2	Use parts list and accessory list to verify that all items are present.		
3.3	Assure diagnostics waiver sheet (if applicable) manuals, ECO status sheet, and QC status sheet are present.		
3.4	Inspect interface (M7892) and TU60 modules (M7760 and 7761) to insure conformance to:		
		SIZE A	CODE SF
		NUMBER TALL-0-11	REV

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SHEET 2 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE TALL ACCEPTANCE PROCEDURE			
3.4	A. Final inspection procedure for Flip Chip modules (A-SP-7665039-0-0).		
	B. Module Rework Standards (A-SP-7605845-0-0).		
3.4.1	Assure that adjustments are sealed on TU60 modules.		
3.5	Check the M7892, M7760, and M7761 for legible three character date code.		
3.6	Check the M7892, M7760, and M7761 to insure that circuit and etch revisions are up to current ECO levels. Perform a visual inspection of cables and wiring.		
3.7	Check the M7892 to insure that the device address and vector address jumpers are in the correct configuration.		
3.7.1	Address (777500) - jumpers installed: A3, A4, A5, A7, jump for a zero.		
3.7.2	Vector (260) - jumpers installed: V4, V5, V7, jump for a one.		
3.7.3	Assure that priority jumper is level 6 and installed correctly.		
3.8	Multiple controllers on a system will be assigned addresses and vectors as follows:		
	Options have been separated into two classes, those with fixed vectors and those with floating vectors. Installation of a duplicate standard fixed vector device on the Unibus (i.e., 2-RF11 Disk Controllers) creates a non-standard configuration which no system software can support.		
	A procedure to use for assigning addresses and vectors to the duplicate device follows:		
	1. Use the following list to determine the sequence of selection:		
	AA11, AD01, AFC11, CD11, CR11, CM11, KW11-L, KW11-P, LP11, PC11, RC11, RF11, RK11, RP11, TM11, UDC11, DR11-B, and LPS11.		
	2. Vector assignments should be selected in the following sequence:		
	170, 174, 270, 274		
		SIZE A	CODE SF
		NUMBER TALL-0-11	REV

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SHEET 3 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE TALL ACCEPTANCE PROCEDURE			
3.8	2. (Continued)		
	Then use the high end of vector locations assigning downward:		
	774, 770, 764, 760, and continuing toward 300.		
	3. Device addresses assigned from the user area, 764000 and upward.		
	NOTE: A DR11-B would start at 764010. This assignment of extra addresses and vectors is a change from the original issuance of the option bulletin. The address for a DR11-B must have address Bit 03 as a one, i.e., XXXX10, XXXX30, XXXX50, - each address is +20 greater.		
4.0	INSTALLATION		
4.1	Ensure that the power switch on the processor is turned off. Ensure that power is removed from the box which will contain the interface module(s). Ensure that TU60 power is turned off.		
4.2	Remove the cover from the TU60 and the two screws holding the hex modules (M7760 and M7761) down.		
4.3	Connect the interface cables to the M7892. (Reference TALL Interconnection Drawing 4.3A on sheet 7).		
4.4	Install the interface card into the appropriate system unit (Last device on BR6) Bus Load = 1, amps at 5V = 1.5.		
4.5	Route the cables through the opening below the fan on the rear of the TU60.		
4.6	Connect the cables to the M7760 module in the TU60. (Reference TALL Interconnection Dwg. 4.3A on sheet 7).		
4.7	Connect the TU60's AC power cord to a source of switched AC power amps at 115V = 1.5.		
5.0	ACCEPTANCE TESTING		
5.1	Hardware requirements (minimal)		
5.1.1	ASR-33 teletype or equivalent.		
5.1.2	A PDP-11/05, 11/15, 11/20, 11/40 with 8K Memory.		
		SIZE A	CODE SF
		NUMBER TALL-0-11	REV

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SHEET 4 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE	TAP ACCEPTANCE PROCEDURE		
5.2 Testing Procedure			
5.2.1	Ensure TUGO's power switch is in the OFF position.		
5.2.2	Energize the PDP-11 processor.		
5.2.3	Place the TUGO power switch in the ON position and observe that the two (one on each drive) power on indicators light.		
5.2.4	Insert a cassette into each drive with the tape wound around the lower hub. Refer to TUGO Maintenance Manual, Chapter 2, for cassette insertion and removal procedure. Check to see that the drive receives the cassettes without binding.		
5.2.5	Ensure that tape does not creep from one hub to another.		
5.2.6	Momentarily depress the rewind pushbutton on each drive and insure that the tape completely rewinds (move tape to upper reel) to the BOT clear leader (about 30 seconds).		
5.2.7	Momentarily depress the rewind pushbutton on each drive rewinding for about one second, hitting the cassette stops.		
5.2.8	Perform the following tests in order, utilizing the loading and operating procedure in the program document. All programs will be run in worst case mode (switches = 0).		
5.2.8.1	11-DTAA Basic Test (Part 1) run until "Testing Drive B" is printed the second time, then halt the test, each Control. Tests Drive A (single iteration) Tests Drive B (full iteration) Tests Drive A (full iteration) then Halt.		
5.2.8.2	11-DTAB Basic Test (Part 2) run until "Testing Drive B" is printed the second time, then halt the test. Do for each controller.		
5.2.8.3	11-DTAC Manual Intervention (one pass) run until "Testing Drive A" is printed the second time.		
5.2.8.4	11-DTAB Motion Test (2 passes) run until second "Testing Drives A & B" is printed.		
5.2.8.5	11-DTAA Data Reliability run until "End of Test" is typed the second time. Reference conditions specified in section 5.2.8.6.		
	SIZE	CODE	NUMBER
	A	SP	TALL-5-11
			REV
SHEET 5 OF 7			

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE	TAP ACCEPTANCE PROCEDURE		
5.2.8.6	One soft error per drive while performing step 5.2.8.5 is acceptable. If, while performing step 5.2.8.5 more than one soft error per drive is observed, the testing should be stopped. The tape guides and the head are to be cleaned with magnetic head cleaner, and the cassette on the failing drive replaced.		
5.2.8.7	For multiple-unit data testing the DEC-X11 module should be utilized instead of DTAA. However, the previously stated criteria in 5.2.8.6 must be adhered to.		
6.0	SYSTEM TESTING		
6.1	Run DEC-X11 or GTP with appropriate overlay to insure system compatibility. To insure system compatibility run for 10 minutes. However, if the system is run for longer than 10 minutes an error rate of not more than one soft error per hour should occur.		
	SIZE	CODE	NUMBER
	A	SP	TALL-6-11
			REV
SHEET 6 OF 7			

