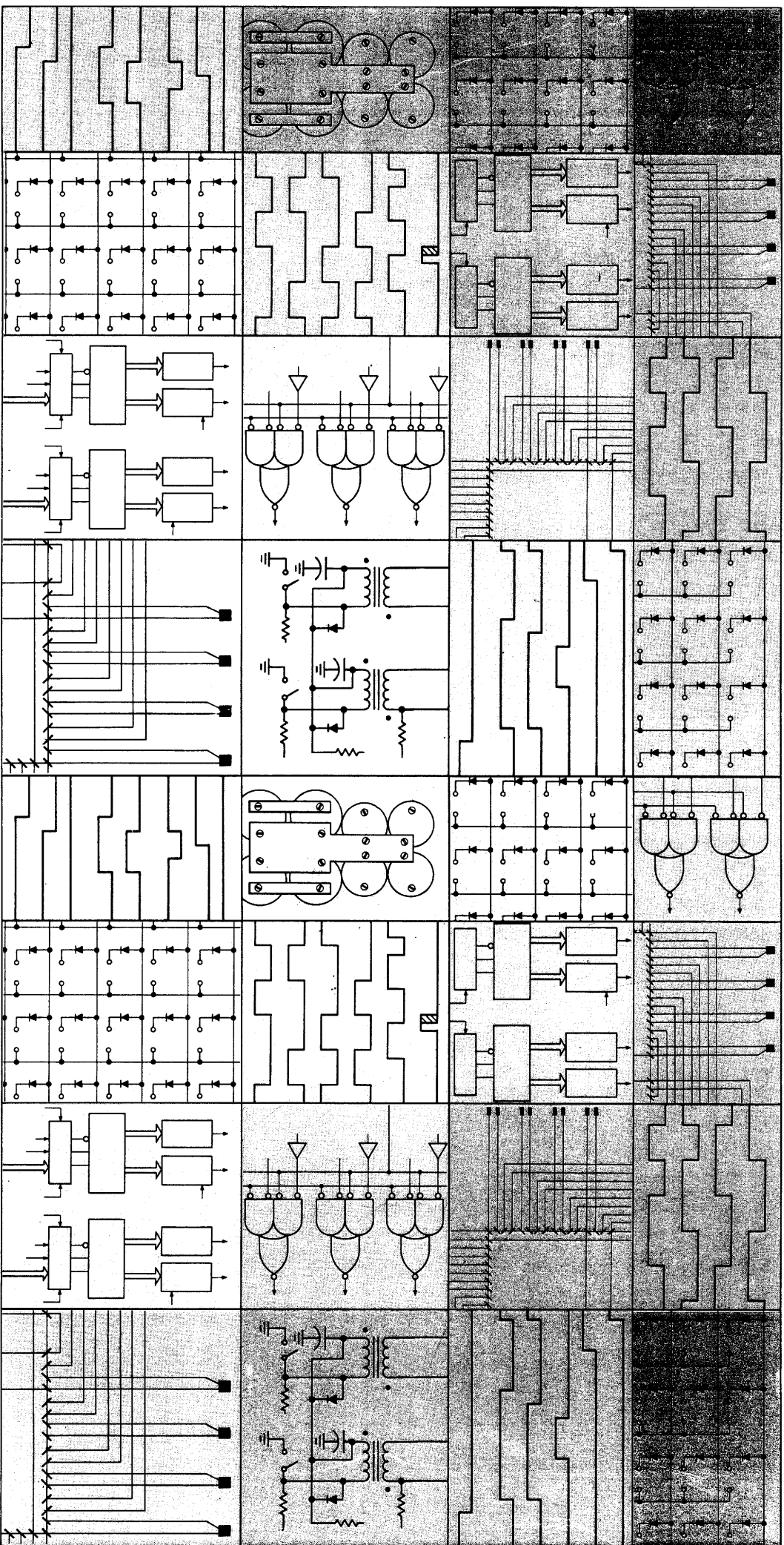


popo8/e

popo8f & popo8/m



TD8-E
DECtape control
engineering drawings

Copyright © 1971 by Digital Equipment Corporation

The material in this manual is for informational purposes and is subject to change without notice.

The following are trademarks of Digital Equipment Corporation, Maynard, Massachusetts:

DEC	PDP
FLIP CHIP	FOCAL
DIGITAL	COMPUTER LAB

MASTER DRAWING LIST

[illegible]

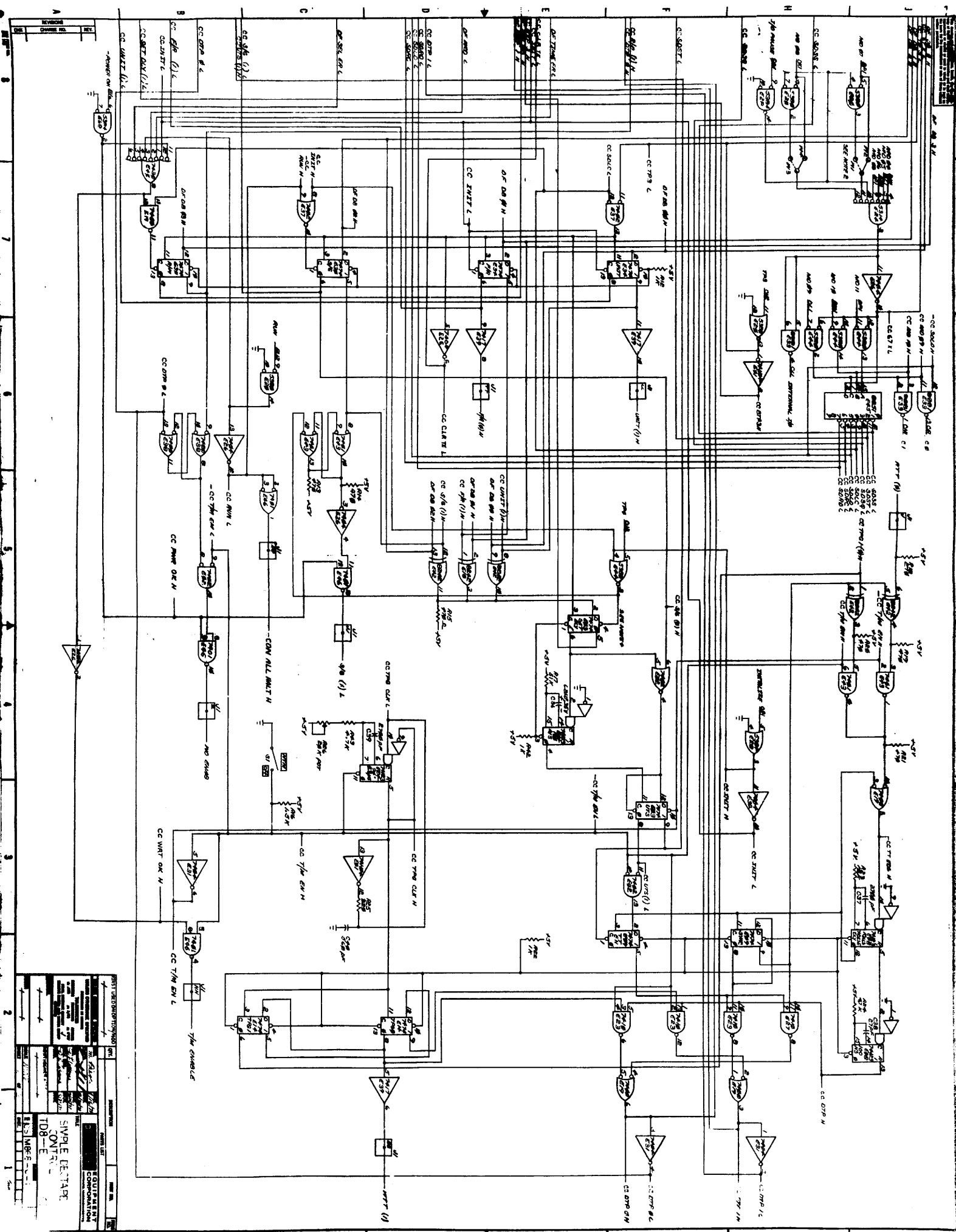
DRA 131

Dec 16--(325)-1048-N471

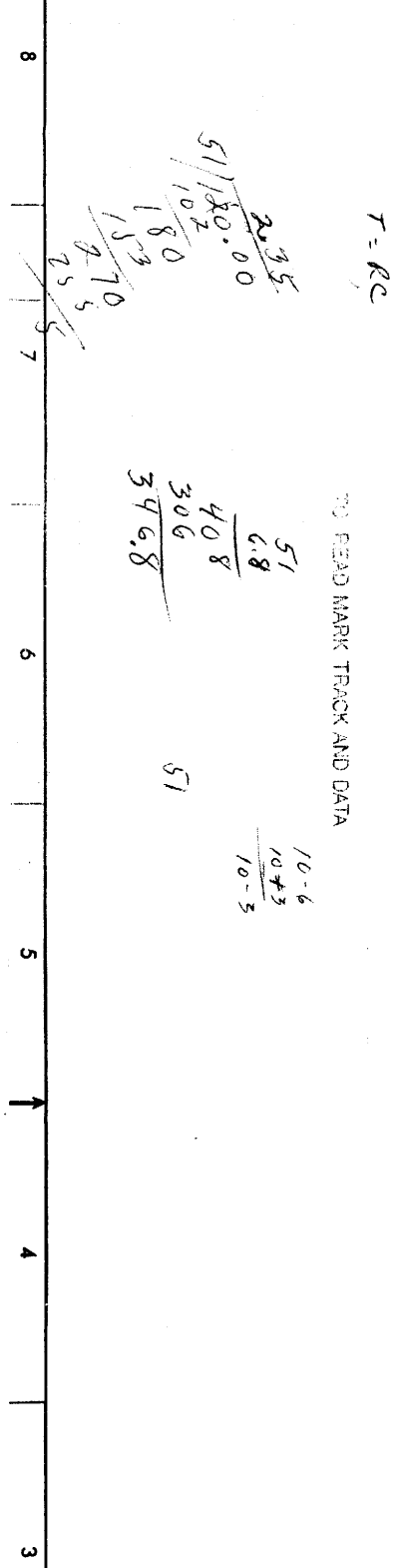
[illegible]

DRA 132

DEC 16 (325) 1048-1 N471

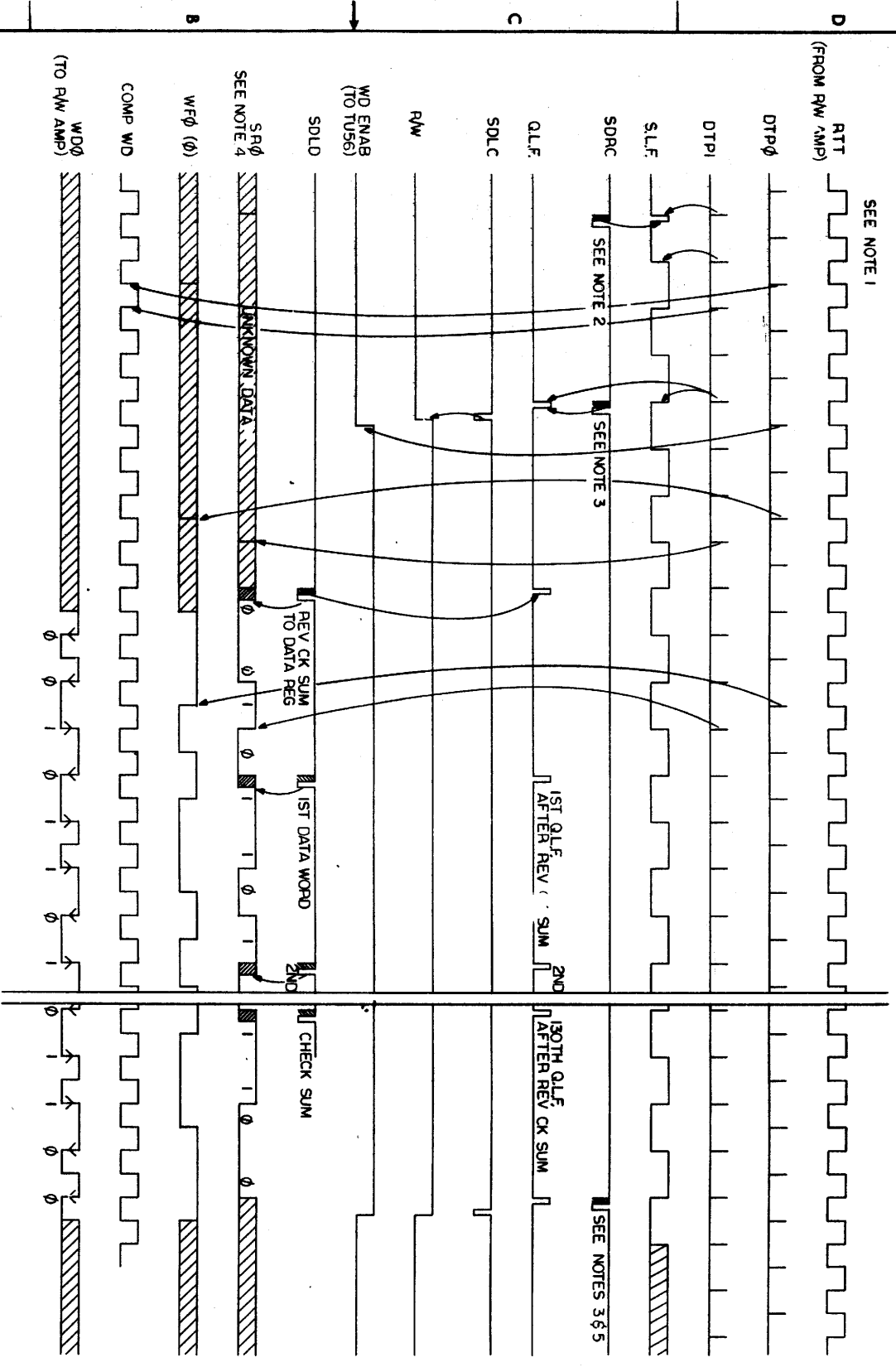


FIRST USE OF SYMBOLS (REV)	
1	CC 001
2	CC 002
3	CC 003
4	CC 004
5	CC 005
6	CC 006
7	CC 007
8	CC 008
9	CC 009
10	CC 010
11	CC 011
12	CC 012
13	CC 013
14	CC 014
15	CC 015
16	CC 016
17	CC 017
18	CC 018
19	CC 019
20	CC 020
21	CC 021
22	CC 022
23	CC 023
24	CC 024
25	CC 025
26	CC 026
27	CC 027
28	CC 028
29	CC 029
30	CC 030
31	CC 031
32	CC 032
33	CC 033
34	CC 034
35	CC 035
36	CC 036
37	CC 037
38	CC 038
39	CC 039
40	CC 040
41	CC 041
42	CC 042
43	CC 043
44	CC 044
45	CC 045
46	CC 046
47	CC 047
48	CC 048
49	CC 049
50	CC 050
51	CC 051
52	CC 052
53	CC 053
54	CC 054
55	CC 055
56	CC 056
57	CC 057
58	CC 058
59	CC 059
60	CC 060
61	CC 061
62	CC 062
63	CC 063
64	CC 064
65	CC 065
66	CC 066
67	CC 067
68	CC 068
69	CC 069
70	CC 070
71	CC 071
72	CC 072
73	CC 073
74	CC 074
75	CC 075
76	CC 076
77	CC 077
78	CC 078
79	CC 079
80	CC 080
81	CC 081
82	CC 082
83	CC 083
84	CC 084
85	CC 085
86	CC 086
87	CC 087
88	CC 088
89	CC 089
90	CC 090
91	CC 091
92	CC 092
93	CC 093
94	CC 094
95	CC 095
96	CC 096
97	CC 097
98	CC 098
99	CC 099
100	CC 100

[illegible]

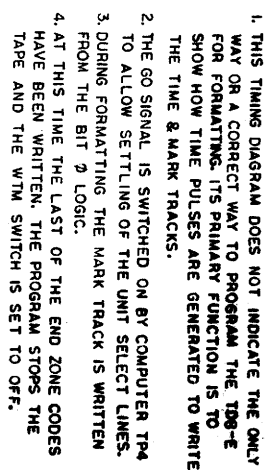
THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS LOANED TO YOU BY THE U.S. GOVERNMENT. IT IS TO BE RETURNED TO THE U.S. GOVERNMENT AND NOT BE REPRODUCED OR DISTRIBUTED OUTSIDE THE U.S. GOVERNMENT.

NOTES:
1. THIS TIMING DIAGRAM DOES NOT INDICATE THE ONLY WAY OR A CORRECT WAY TO PROGRAM THE TDS-E FOR ARMED OR WRITE OPERATIONS. ITS PRIMARY FUNCTION IS TO SHOW WHAT SEQUENCES IN THE LOGIC BETWEEN VARIOUS PROGRAMMED INSTRUCTIONS. IT INDICATES COMPUTER RESPONSE TIME.
2. AT THIS POINT THE COMMAND REG IS SET FOR THE CORRECT UNIT, FWD DIR, GO, READ, THE CORRECT BLACK AND WHITE BEING FOUND AND AT THIS S.L.F. THE NEW GROUND CODE IS IN THE RT REG.
3. THIS SDRG LOADS THE STATUS OF THE COM REG, INTO THE R.C. SO THE WRITE BIT CAN BE PUT IN OR REMOVED WITHOUT CHANGING ANY OTHER COM REG. CONDITION. THIS ALSO CARS THE Q.L.F. AS THE SDRG DOES NOT.
4. THE OTHER 2 PARALLEL WRITE BITS WORK IDENTICAL TO SDRG, WFB, AND WOP.
5. AT THIS POINT IF ANY COM REG. FUNCTION OTHER THAN WRITE IS CHARGED, THEN WRITE AND THE OTHER PHASES WILL STOP UNTIL WITS. BEING THUS SET AND WITS. IS SET.

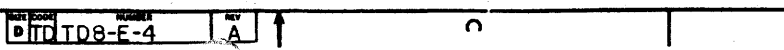


WRITE DATA TIMING

FIRST USED IN OTION MODEL		QTY	DESCRIPTION	PART NO.	REV.
TDS-E					
UNLESS OTHERWISE SPECIFIED		DIM. TOLERANCES			
DECIMALS		ANGLES			
X.XX - .00		X.X - .00			
X - .1		X - .00			
REMOVE BURRS AND BREAK SHARP		CORNERS SURFACE QUALITY			
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE NONE			
SHEET 2 OF 4		DATE			
DITD		TDS-E-4			
TIMING		TIMING DIAGRAM			
A-M-L-TDS-E		NUMBER			
REV.		REV.			



DATE	CODE	NUMBER
0	TD	TD8-E-4



T

FIRST USED ON DUTY/NO. MODEL		QTY.		DISCREPANTION		PART NO.		ITEM NO.	
TD8-E				PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES.				DINL		DATE		DATE	
TOLERANCES				CHG. 1		DATE		DATE	
DECIMALS		ANGLES		CHG. 2		DATE		DATE	
.XCH = .005		30° 30'		CHG. 3		DATE		DATE	
.XCT = .001		30° 30'		CHG. 4		DATE		DATE	
X = .1		30° 30'		CHG. 5		DATE		DATE	
REDUCE LUBING AND BREAK IN/UP CONFORMS SURFACE QUALITY				CHG. 6		DATE		DATE	
MATERIAL				CHG. 7		DATE		DATE	
— / — / —				CHG. 8		DATE		DATE	
FINISH				CHG. 9		DATE		DATE	
— / — / —				CHG. 10		DATE		DATE	
SHEET 4 OF 4				CHG. 11		DATE		DATE	
SCALE NONE				CHG. 12		DATE		DATE	
A-M-TD8-E				CHG. 13		DATE		DATE	
NEXT NUMBER AWT.				CHG. 14		DATE		DATE	
SIZE CODE				CHG. 15		DATE		DATE	
D/TD				CHG. 16		DATE		DATE	
DGT.				CHG. 17		DATE		DATE	
NUMBER				CHG. 18		DATE		DATE	
TD8-E-4				CHG. 19		DATE		DATE	
REV.				CHG. 20		DATE		DATE	
TIMING DIAGRAM				CHG. 21		DATE		DATE	
TD8-E				CHG. 22		DATE		DATE	
EQUIPMENT CORPORATION				CHG. 23		DATE		DATE	
REVISIONS				CHG. 24		DATE		DATE	
DATE				CHG. 25		DATE		DATE	
BY				CHG. 26		DATE		DATE	
CHECKED				CHG. 27		DATE		DATE	
APPROVED				CHG. 28		DATE		DATE	
DATE				CHG. 29		DATE		DATE	
BY				CHG. 30		DATE		DATE	
CHECKED				CHG. 31		DATE		DATE	
APPROVED				CHG. 32		DATE		DATE	
DATE				CHG. 33		DATE		DATE	
BY				CHG. 34		DATE		DATE	
CHECKED				CHG. 35		DATE		DATE	
APPROVED				CHG. 36		DATE		DATE	
DATE				CHG. 37		DATE		DATE	
BY				CHG. 38		DATE		DATE	
CHECKED				CHG. 39		DATE		DATE	
APPROVED				CHG. 40		DATE		DATE	
DATE				CHG. 41		DATE		DATE	
BY				CHG. 42		DATE		DATE	
CHECKED				CHG. 43		DATE		DATE	
APPROVED				CHG. 44		DATE		DATE	
DATE				CHG. 45		DATE		DATE	
BY				CHG. 46		DATE		DATE	
CHECKED				CHG. 47		DATE		DATE	
APPROVED				CHG. 48		DATE		DATE	
DATE				CHG. 49		DATE		DATE	
BY				CHG. 50		DATE		DATE	
CHECKED				CHG. 51		DATE		DATE	
APPROVED				CHG. 52		DATE		DATE	
DATE				CHG. 53		DATE		DATE	
BY				CHG. 54		DATE		DATE	
CHECKED				CHG. 55		DATE		DATE	
APPROVED				CHG. 56		DATE		DATE	
DATE				CHG. 57		DATE		DATE	
BY				CHG. 58		DATE		DATE	
CHECKED				CHG. 59		DATE		DATE	
APPROVED				CHG. 60		DATE		DATE	
DATE				CHG. 61		DATE		DATE	
BY				CHG. 62		DATE		DATE	
CHECKED				CHG. 63		DATE		DATE	
APPROVED				CHG. 64		DATE		DATE	
DATE				CHG. 65		DATE		DATE	
BY				CHG. 66		DATE		DATE	
CHECKED				CHG. 67		DATE		DATE	
APPROVED				CHG. 68		DATE		DATE	
DATE				CHG. 69		DATE		DATE	
BY				CHG. 70		DATE		DATE	
CHECKED				CHG. 71		DATE		DATE	
APPROVED				CHG. 72		DATE		DATE	
DATE				CHG. 73		DATE		DATE	
BY				CHG. 74		DATE		DATE	
CHECKED				CHG. 75		DATE		DATE	
APPROVED				CHG. 76		DATE		DATE	
DATE				CHG. 77		DATE		DATE	
BY				CHG. 78		DATE		DATE	
CHECKED				CHG. 79		DATE		DATE	
APPROVED				CHG. 80		DATE		DATE	
DATE				CHG. 81		DATE		DATE	
BY				CHG. 82		DATE		DATE	
CHECKED				CHG. 83		DATE		DATE	
APPROVED				CHG. 84		DATE		DATE	
DATE				CHG. 85		DATE		DATE	
BY				CHG. 86		DATE		DATE	
CHECKED				CHG. 87		DATE		DATE	
APPROVED				CHG. 88		DATE		DATE	
DATE				CHG. 89		DATE		DATE	
BY				CHG. 90		DATE		DATE	
CHECKED				CHG. 91		DATE		DATE	
APPROVED				CHG. 92		DATE		DATE	
DATE				CHG. 93		DATE		DATE	
BY				CHG. 94		DATE		DATE	
CHECKED				CHG. 95		DATE		DATE	
APPROVED				CHG. 96		DATE		DATE	
DATE				CHG. 97		DATE		DATE	
BY				CHG. 98		DATE		DATE	
CHECKED				CHG. 99		DATE		DATE	
APPROVED				CHG. 100		DATE		DATE	

This drawing and specifications, together with the notes hereon, shall constitute the entire contract for the purchase of the equipment described herein. No other conditions, specifications, or drawings shall be considered unless specifically referred to in this contract.

WIRE TABLE

ITEM NO.	DESCRIPTION	WIRE NO.	WIRE TYPE	WIRE SIZE	WIRE LENGTH	WIRE WEIGHT	WIRE RESISTANCE
5	CE	1-1	1-1	1-1	1-1	1-1	1-1
6	CE	1-2	1-2	1-2	1-2	1-2	1-2
7	CE	1-3	1-3	1-3	1-3	1-3	1-3
8	CE	1-4	1-4	1-4	1-4	1-4	1-4
9	CE	1-5	1-5	1-5	1-5	1-5	1-5
10	CE	1-6	1-6	1-6	1-6	1-6	1-6
11	CE	1-7	1-7	1-7	1-7	1-7	1-7
12	CE	1-8	1-8	1-8	1-8	1-8	1-8
13	CE	1-9	1-9	1-9	1-9	1-9	1-9
14	CE	1-10	1-10	1-10	1-10	1-10	1-10
15	CE	1-11	1-11	1-11	1-11	1-11	1-11
16	CE	1-12	1-12	1-12	1-12	1-12	1-12
17	CE	1-13	1-13	1-13	1-13	1-13	1-13
18	CE	1-14	1-14	1-14	1-14	1-14	1-14
19	CE	1-15	1-15	1-15	1-15	1-15	1-15
20	CE	1-16	1-16	1-16	1-16	1-16	1-16
21	CE	1-17	1-17	1-17	1-17	1-17	1-17
22	CE	1-18	1-18	1-18	1-18	1-18	1-18
23	CE	1-19	1-19	1-19	1-19	1-19	1-19
24	CE	1-20	1-20	1-20	1-20	1-20	1-20
25	CE	1-21	1-21	1-21	1-21	1-21	1-21
26	CE	1-22	1-22	1-22	1-22	1-22	1-22
27	CE	1-23	1-23	1-23	1-23	1-23	1-23
28	CE	1-24	1-24	1-24	1-24	1-24	1-24
29	CE	1-25	1-25	1-25	1-25	1-25	1-25
30	CE	1-26	1-26	1-26	1-26	1-26	1-26
31	CE	1-27	1-27	1-27	1-27	1-27	1-27
32	CE	1-28	1-28	1-28	1-28	1-28	1-28
33	CE	1-29	1-29	1-29	1-29	1-29	1-29
34	CE	1-30	1-30	1-30	1-30	1-30	1-30
35	CE	1-31	1-31	1-31	1-31	1-31	1-31
36	CE	1-32	1-32	1-32	1-32	1-32	1-32
37	CE	1-33	1-33	1-33	1-33	1-33	1-33
38	CE	1-34	1-34	1-34	1-34	1-34	1-34
39	CE	1-35	1-35	1-35	1-35	1-35	1-35
40	CE	1-36	1-36	1-36	1-36	1-36	1-36
41	CE	1-37	1-37	1-37	1-37	1-37	1-37
42	CE	1-38	1-38	1-38	1-38	1-38	1-38
43	CE	1-39	1-39	1-39	1-39	1-39	1-39
44	CE	1-40	1-40	1-40	1-40	1-40	1-40
45	CE	1-41	1-41	1-41	1-41	1-41	1-41
46	CE	1-42	1-42	1-42	1-42	1-42	1-42
47	CE	1-43	1-43	1-43	1-43	1-43	1-43
48	CE	1-44	1-44	1-44	1-44	1-44	1-44
49	CE	1-45	1-45	1-45	1-45	1-45	1-45
50	CE	1-46	1-46	1-46	1-46	1-46	1-46
51	CE	1-47	1-47	1-47	1-47	1-47	1-47
52	CE	1-48	1-48	1-48	1-48	1-48	1-48
53	CE	1-49	1-49	1-49	1-49	1-49	1-49
54	CE	1-50	1-50	1-50	1-50	1-50	1-50
55	CE	1-51	1-51	1-51	1-51	1-51	1-51
56	CE	1-52	1-52	1-52	1-52	1-52	1-52
57	CE	1-53	1-53	1-53	1-53	1-53	1-53
58	CE	1-54	1-54	1-54	1-54	1-54	1-54
59	CE	1-55	1-55	1-55	1-55	1-55	1-55
60	CE	1-56	1-56	1-56	1-56	1-56	1-56
61	CE	1-57	1-57	1-57	1-57	1-57	1-57
62	CE	1-58	1-58	1-58	1-58	1-58	1-58
63	CE	1-59	1-59	1-59	1-59	1-59	1-59
64	CE	1-60	1-60	1-60	1-60	1-60	1-60
65	CE	1-61	1-61	1-61	1-61	1-61	1-61
66	CE	1-62	1-62	1-62	1-62	1-62	1-62
67	CE	1-63	1-63	1-63	1-63	1-63	1-63
68	CE	1-64	1-64	1-64	1-64	1-64	1-64
69	CE	1-65	1-65	1-65	1-65	1-65	1-65
70	CE	1-66	1-66	1-66	1-66	1-66	1-66
71	CE	1-67	1-67	1-67	1-67	1-67	1-67
72	CE	1-68	1-68	1-68	1-68	1-68	1-68
73	CE	1-69	1-69	1-69	1-69	1-69	1-69
74	CE	1-70	1-70	1-70	1-70	1-70	1-70
75	CE	1-71	1-71	1-71	1-71	1-71	1-71
76	CE	1-72	1-72	1-72	1-72	1-72	1-72
77	CE	1-73	1-73	1-73	1-73	1-73	1-73
78	CE	1-74	1-74	1-74	1-74	1-74	1-74
79	CE	1-75	1-75	1-75	1-75	1-75	1-75
80	CE	1-76	1-76	1-76	1-76	1-76	1-76
81	CE	1-77	1-77	1-77	1-77	1-77	1-77
82	CE	1-78	1-78	1-78	1-78	1-78	1-78
83	CE	1-79	1-79	1-79	1-79	1-79	1-79
84	CE	1-80	1-80	1-80	1-80	1-80	1-80
85	CE	1-81	1-81	1-81	1-81	1-81	1-81
86	CE	1-82	1-82	1-82	1-82	1-82	1-82
87	CE	1-83	1-83	1-83	1-83	1-83	1-83
88	CE	1-84	1-84	1-84	1-84	1-84	1-84
89	CE	1-85	1-85	1-85	1-85	1-85	1-85
90	CE	1-86	1-86	1-86	1-86	1-86	1-86
91	CE	1-87	1-87	1-87	1-87	1-87	1-87
92	CE	1-88	1-88	1-88	1-88	1-88	1-88
93	CE	1-89	1-89	1-89	1-89	1-89	1-89
94	CE	1-90	1-90	1-90	1-90	1-90	1-90
95	CE	1-91	1-91	1-91	1-91	1-91	1-91
96	CE	1-92	1-92	1-92	1-92	1-92	1-92
97	CE	1-93	1-93	1-93	1-93	1-93	1-93
98	CE	1-94	1-94	1-94	1-94	1-94	1-94
99	CE	1-95	1-95	1-95	1-95	1-95	1-95
100	CE	1-96	1-96	1-96	1-96	1-96	1-96
101	CE	1-97	1-97	1-97	1-97	1-97	1-97
102	CE	1-98	1-98	1-98	1-98	1-98	1-98
103	CE	1-99	1-99	1-99	1-99	1-99	1-99
104	CE	1-100	1-100	1-100	1-100	1-100	1-100

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
708-6		1	708-6		
UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES.					
TOLERANCES					
DECIMALS	ANGLES				
.XX - .005	10° 30'				
.XX - .01	10° 30'				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL					
NEXT HIGHER ASSY.					
FINISH					
SCALE					
SHEET					
DIA 7008447-0-0					
REV. A					

REV.	CHANGE NO.	REVISIONS
CHK		

DWG. NO. 8

7

6

5

4

3

2

1

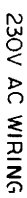
NOTES

A.C. CHANNEL	
854 (B)	
POWER CONTROL	
H7168 (D)	
POWER SUPPLY	
H7168 (D)	
POWER SUPPLY	
H7122	
TRANSFORMER	

— REAR DOOR R.H.
H950-C

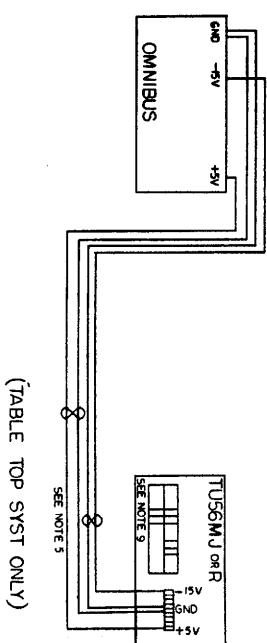
Diagram illustrating the components of the table: **TABLE TOP** and **SUPER COVER**.

SIZE	CODE	NUMBER	REV.
D	AR	TD8-E-2	A



- NOTES:
1. IF THE H716 AND T156 ARE MOUNTED IN THE 8-E CAB, THEN USE THE EXISTING 854 POWER CONTROL.
 2. UP TO 4 T08 E * AND T156W * CAN BE CONNECTED TO ONE 8-E
 3. FOR EACH T156W THERE WILL BE A H716 TO SUPPLY ITS DC POWER. (EXCEPT AS NOTED IN STEP 5.)
 4. FOR THE FOLLOWING AC VOLTAGES MAKE THE CORRESPONDING JUMPER CONNECTIONS ON THE T156 TRANSFORMER.

►



SIZE	CODE	QUANTITY
D	IC	TD8-E-3

MASTER DRAWING LIST

[illegible]

DRA 131

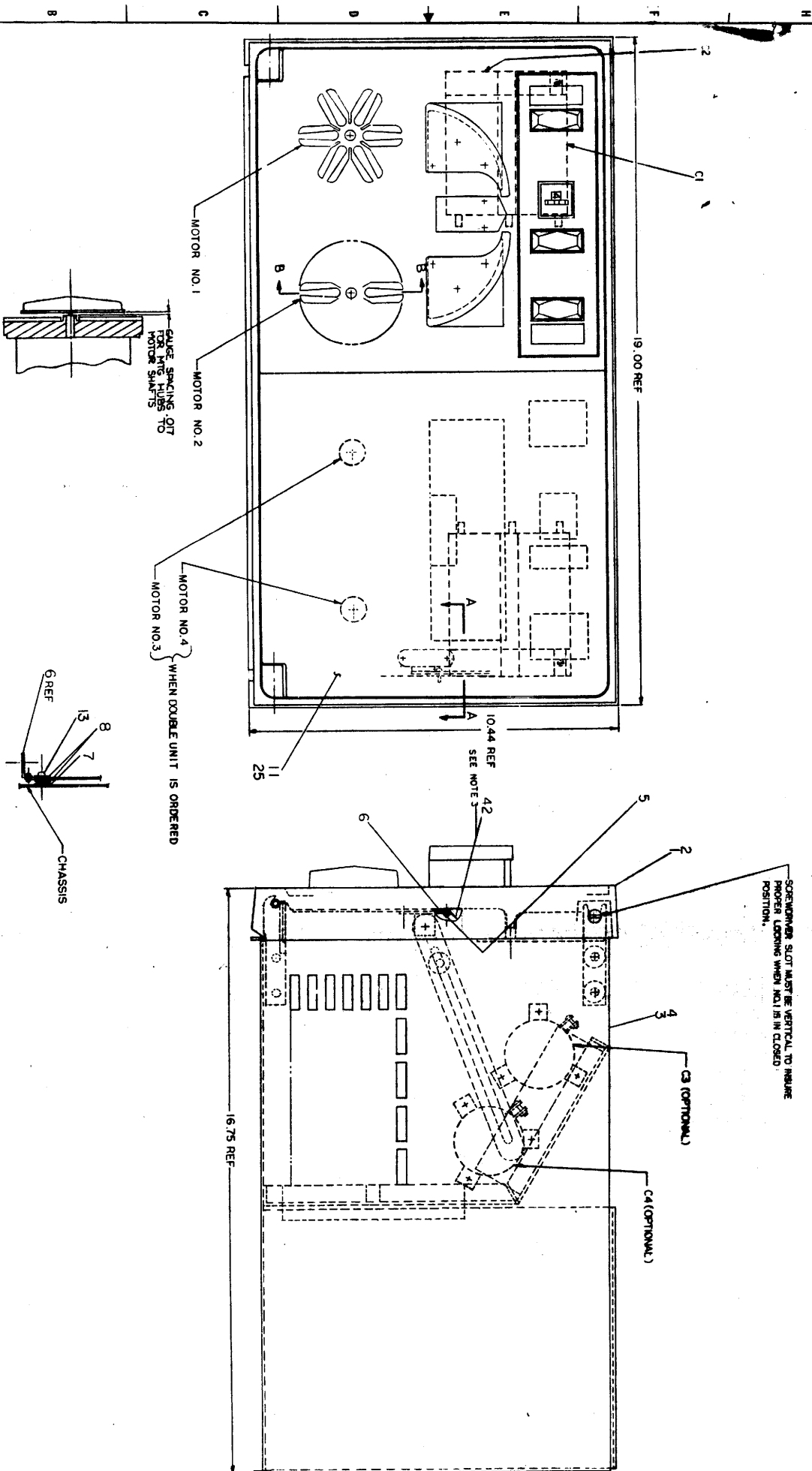
Dec 16-(325)-1048-N471

[illegible]

DRA 132

DEC 16-(325)-1048-1-N471

1 FOR DRAWING INDEX LIST REFER
TO DRAWING D-01-TUG-6-01
2 ITEMS 3 & 37 ARE TO BE USED
FOR MLC OF UNIT 35 IN H950
CABINET, ITEM 35 TO BE USED
FOR MTS IN TUBULAR STYLE CAB
3 GROUND WIRE BE CROSSED
WITH WIRES TO MOTOR 4 AND
RUN FROM LUG ON LOGIC MTR
BAR TO ITEM 42.

[illegible]

[illegible]

[illegible]

A	B	C	D
	SIZE BMD NUMBER T056-0-MU REV.		

QUANTITY / VARIATION	UNIT	DESCRIPTION	DATE
1	kg	...	...
2	kg	...	...
3	kg	...	...
4	kg	...	...
5	kg	...	...
6	kg	...	...
7	kg	...	...
8	kg	...	...
9	kg	...	...
10	kg	...	...
11	kg	...	...
12	kg	...	...
13	kg	...	...
14	kg	...	...
15	kg	...	...
16	kg	...	...
17	kg	...	...
18	kg	...	...
19	kg	...	...
20	kg	...	...
21	kg	...	...
22	kg	...	...
23	kg	...	...
24	kg	...	...
25	kg	...	...
26	kg	...	...
27	kg	...	...
28	kg	...	...
29	kg	...	...
30	kg	...	...
31	kg	...	...
32	kg	...	...
33	kg	...	...
34	kg	...	...
35	kg	...	...
36	kg	...	...
37	kg	...	...
38	kg	...	...
39	kg	...	...
40	kg	...	...
41	kg	...	...
42	kg	...	...
43	kg	...	...
44	kg	...	...
45	kg	...	...
46	kg	...	...
47	kg	...	...
48	kg	...	...
49	kg	...	...
50	kg	...	...
51	kg	...	...
52	kg	...	...
53	kg	...	...
54	kg	...	...
55	kg	...	...
56	kg	...	...
57	kg	...	...
58	kg	...	...
59	kg	...	...
60	kg	...	...
61	kg	...	...
62	kg	...	...
63	kg	...	...
64	kg	...	...
65	kg	...	...
66	kg	...	...
67	kg	...	...
68	kg	...	...
69	kg	...	...
70	kg	...	...
71	kg	...	...
72	kg	...	...
73	kg	...	...
74	kg	...	...
75	kg	...	...
76	kg	...	...
77	kg	...	...
78	kg	...	...
79	kg	...	...
80	kg	...	...
81	kg	...	...
82	kg	...	...
83	kg	...	...
84	kg	...	...
85	kg	...	...
86	kg	...	...
87	kg	...	...
88	kg	...	...
89	kg	...	...
90	kg	...	...
91	kg	...	...
92	kg	...	...
93	kg	...	...
94	kg	...	...
95	kg	...	...
96	kg	...	...
97	kg	...	...
98	kg	...	...
99	kg	...	...
100	kg	...	...

PARTS LIST

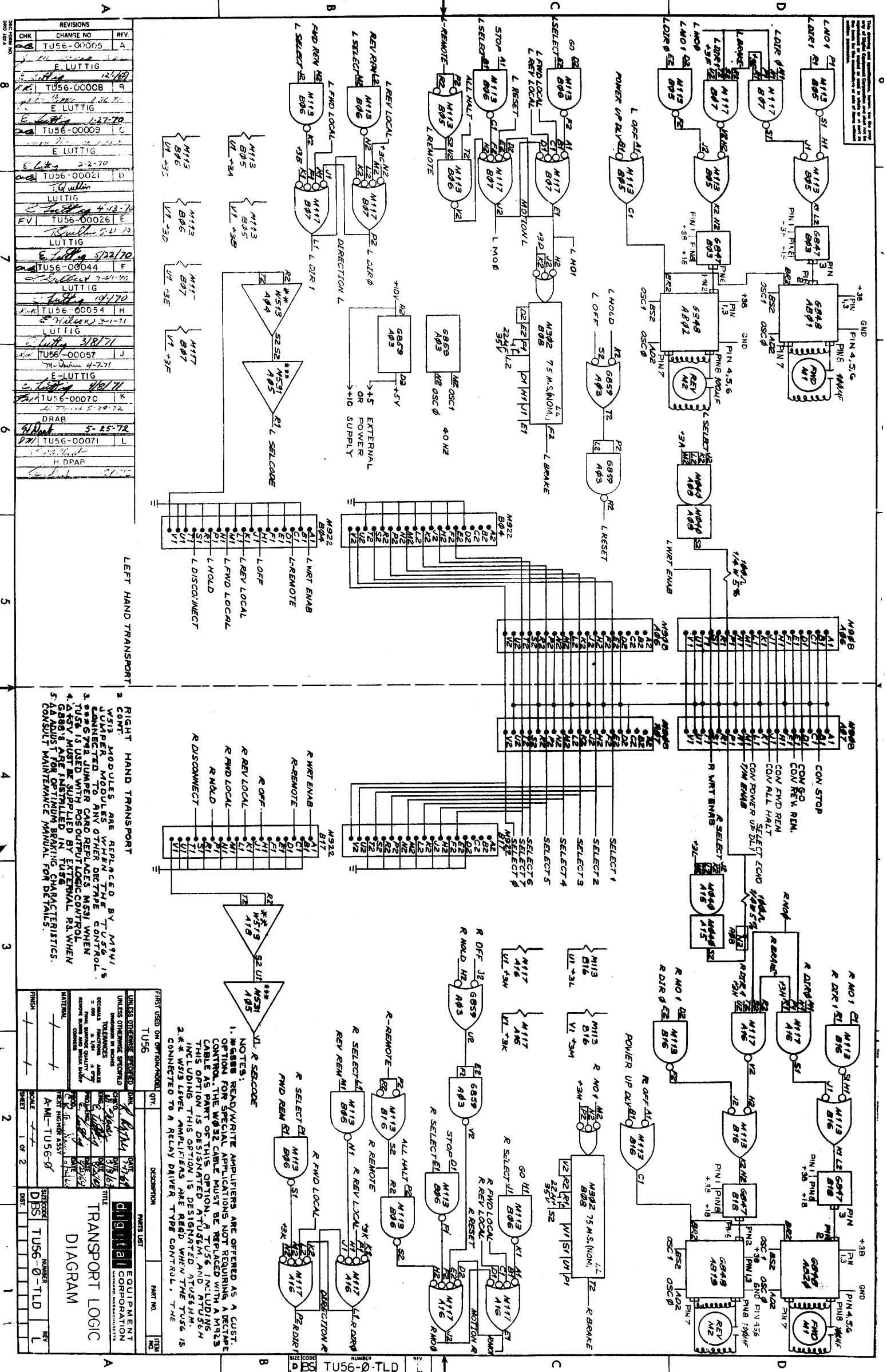
SECTION

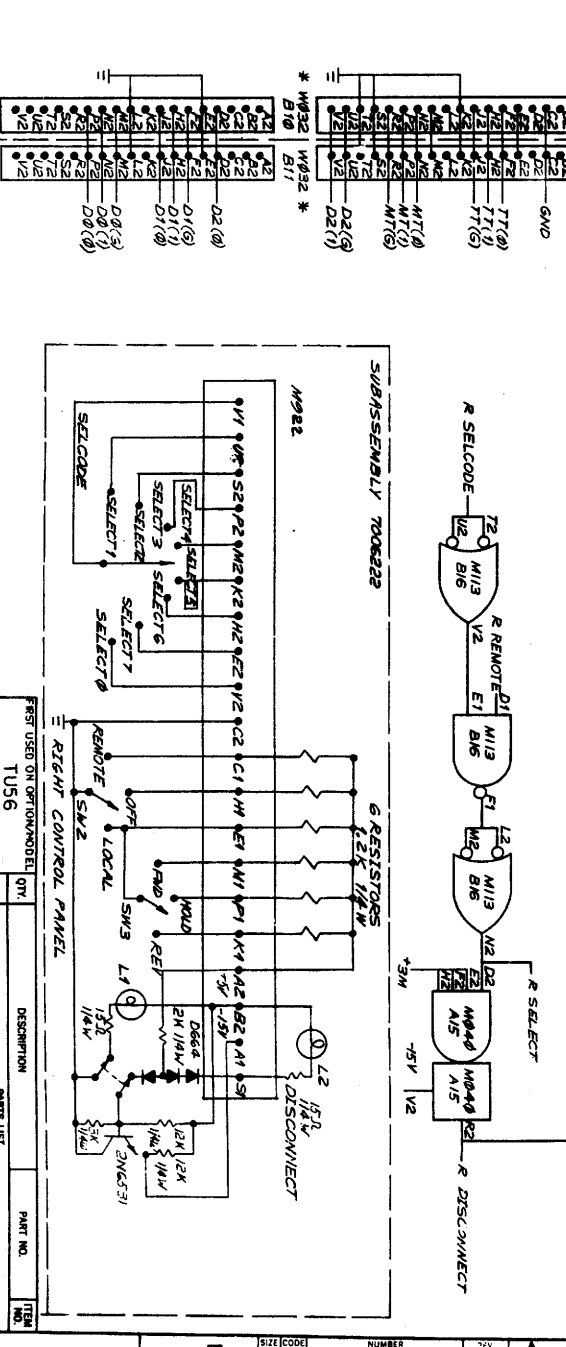
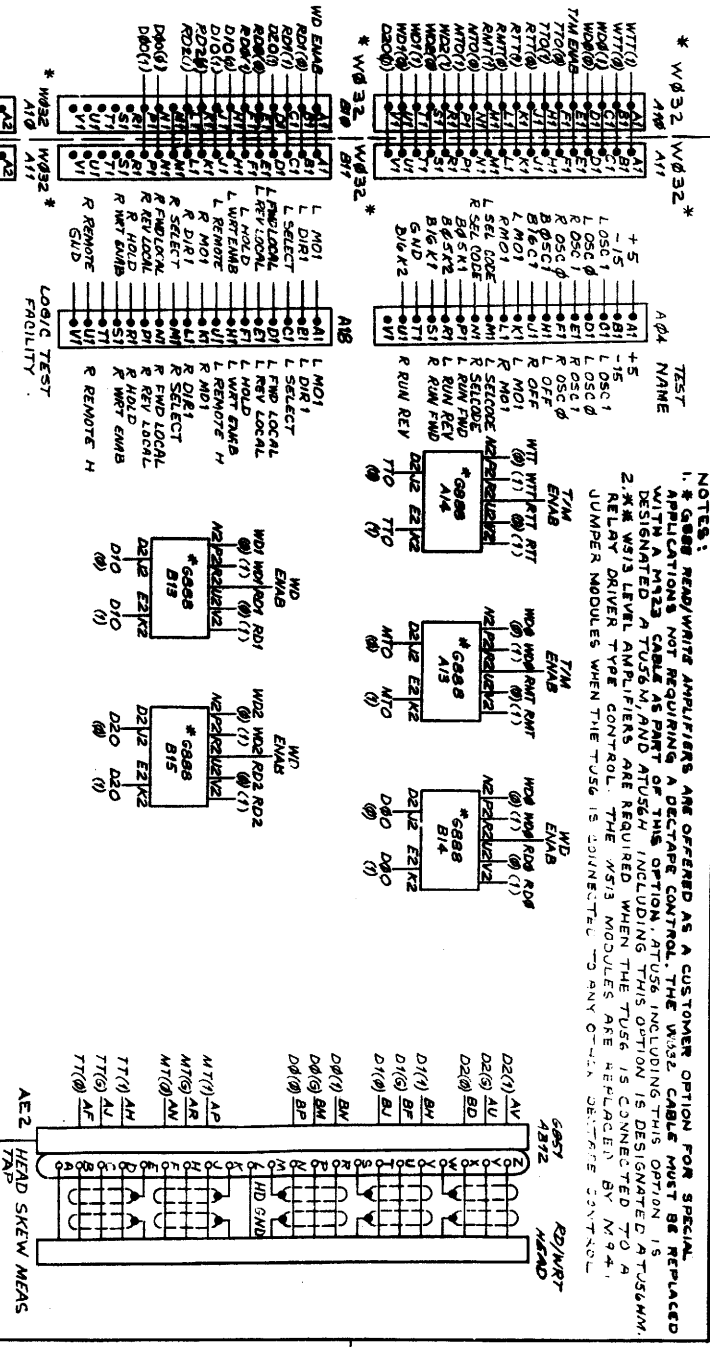
DATE 8/6/69

PROD & T

DATE 8/26/68

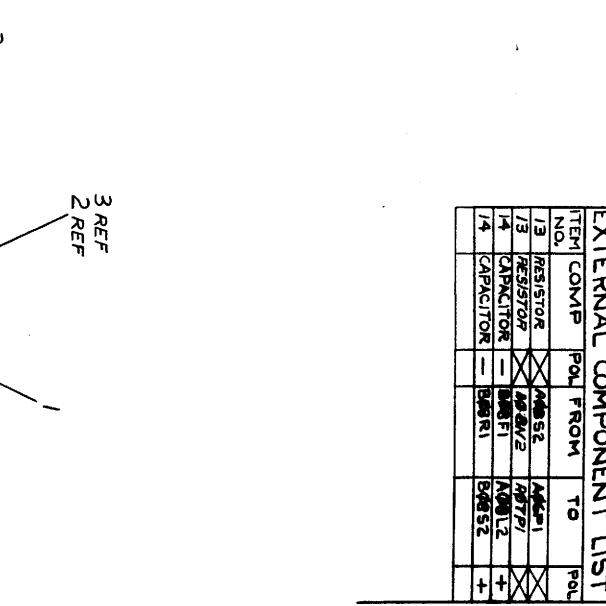
DEC FORM NO.
DRA 110



[illegible]

NOTES:

1. CONNECTIONS ON ITEMS #1 & #2 TO BE SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLACK
2. CONN BLOCK TO BE GROUNDED TO GND LUG AS SHOWN
3. USE YELLOW WIRE (ITEM #3) FOR MACHINE WINDINGS (ITEM #4)

[illegible][illegible]

A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	KEN GULICK	CHECKED	D. HEALY	SECTION
DATE	6/19/69	DATE	7/23/69	1
ENG	<i>E. Healy</i>	PROD	<i>C. D. Taylor</i>	ISSUED SECT.
DATE	5/26/69	DATE	8/26/69	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
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	6-1A-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 MED 35V S. TANT W/TERMT 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 #50302 ANGLES	4
18	9006634	WASHER INT #8	2

TITLE	WIRED ASSY TU56	ASSY NO.	D-AD-7006321-0-0	SIZE CODE	A PL	NUMBER	7006321-0-0	REV	E	ECO NO.	TU56-00062
DEC FORM NO.		SHEET 1 OF 1		DIST.							

ACCESSORY LIST

LEGEND

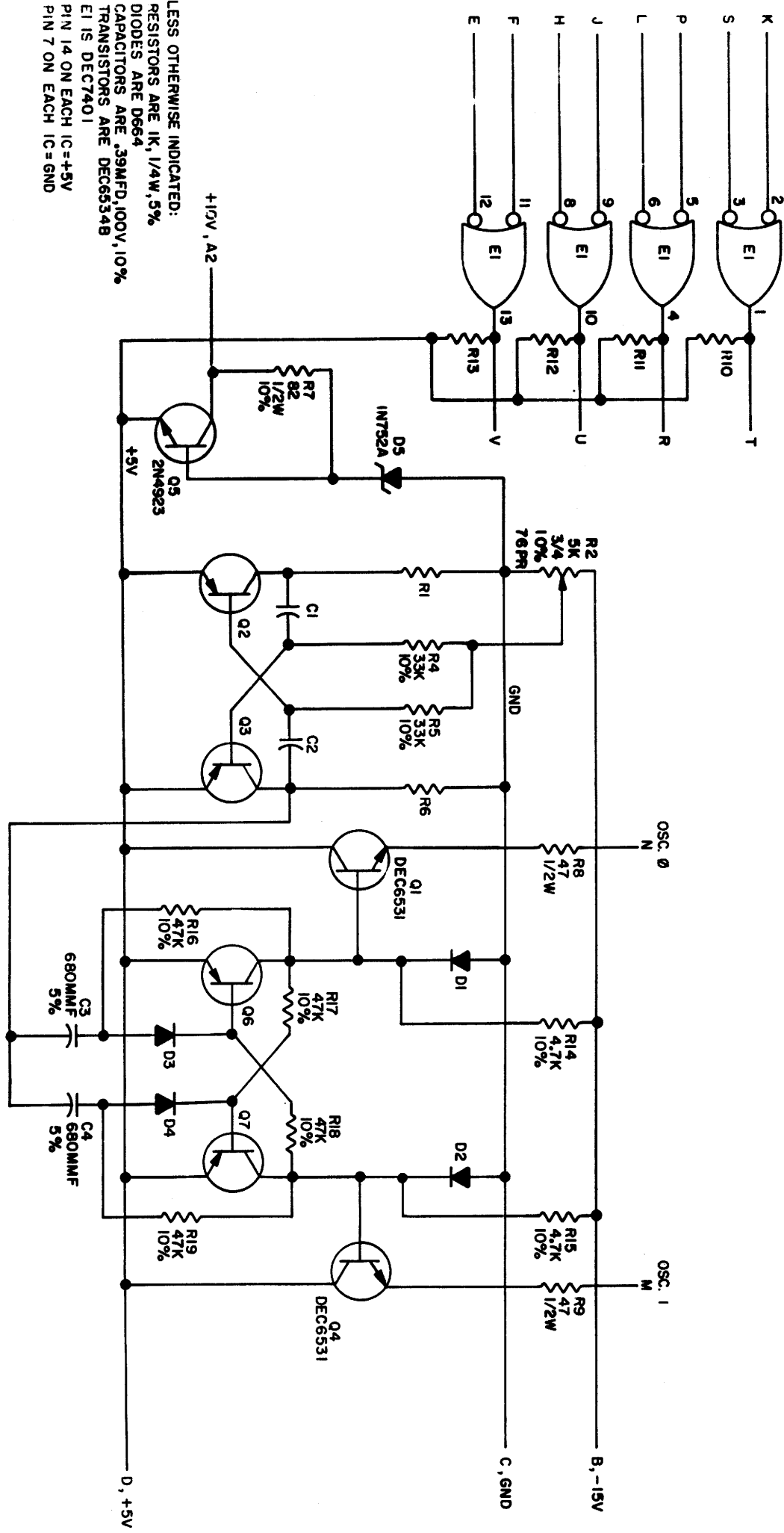
PD	DOCUMENT
DN	DOCUMENT CHANGE
	NOTICE
PA	PAPER TAPE ASCII
PB	PAPER TAPE BINARY
PM	PAPER TAPE
	READ-IN-MODE

QUANTITY/VARIATION

ACCESSORY LIST				DOCUMENT	CHANGE
MADE BY J. Ingleside	CHECKED 7/7/72	SECTION	PA	DOCUMENT	CHANGE
DATE 5/31/72	DATE 7/1/72		PB	NOTICE	
ENG 3. 444	PROB	ISSUED SECT.	PM	PAPER TAPE ASCII	
DATE 7/7/72	DATE			PAPER TAPE BINARY	
				PAPER TAPE	
				READ-IN-MODE	
ITEM NO.	DWG NO./PART NO.	DESCRIPTION			
1	BC02X-03	Select Cable	1	1	1
2	74-8321	Mounting Bracket. (H950 Cabinet)	1	1	1
3	74-8322	Spacer Block (H950 Cabinet)	2	2	2
4	TU56-0	Complete Print Set (see A-MU-TU56-0)	1	1	1
5	DGC-00-RETA-D	Maintenance Manual	1	1	1
6	12-9331	Take Up Reel	2	1	2
7	TUC-01	Head Cleaning Kit	1	1	1
8	74-5152-1	Head Cable	1	1	1
9	6742	Jumpers Module (Remove M531 and replace with 6742 for PDP-11 add-ons and OEM's)	1	1	1
10	74-5996	Certified DECTape 12 Bit Format	2	1	2
11	74-5996-1	Certified DECTape 18 Bit Format	2	1	2
12	91-7673-06	NOTE: Items 12 thru 14 are for Rack Mountable Field Add-on shipments only.	1	1	1
13	90-8851	MC Line Cord 6'	1	1	1
14	91-7710 and 90-8849	Mounting Hardware Bag	1	1	1
15	91-7710 and 90-8849	Hook Up Wire	1	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-MU-TU56-0 for notes.					
When unit is to be installed on a tubular style cabinet, refer to A-PL-TU56-0-0 for notes.					
ILLUSTRATED PARTS BREAKDOWN					
1	1	1	1	1	1

REV. E
ECO NO
T U 56-
00077

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



REVISIONS		
CHK	CHG NO	REV
1/21	00001	A
1/21	00002	B
1/21	00003	C

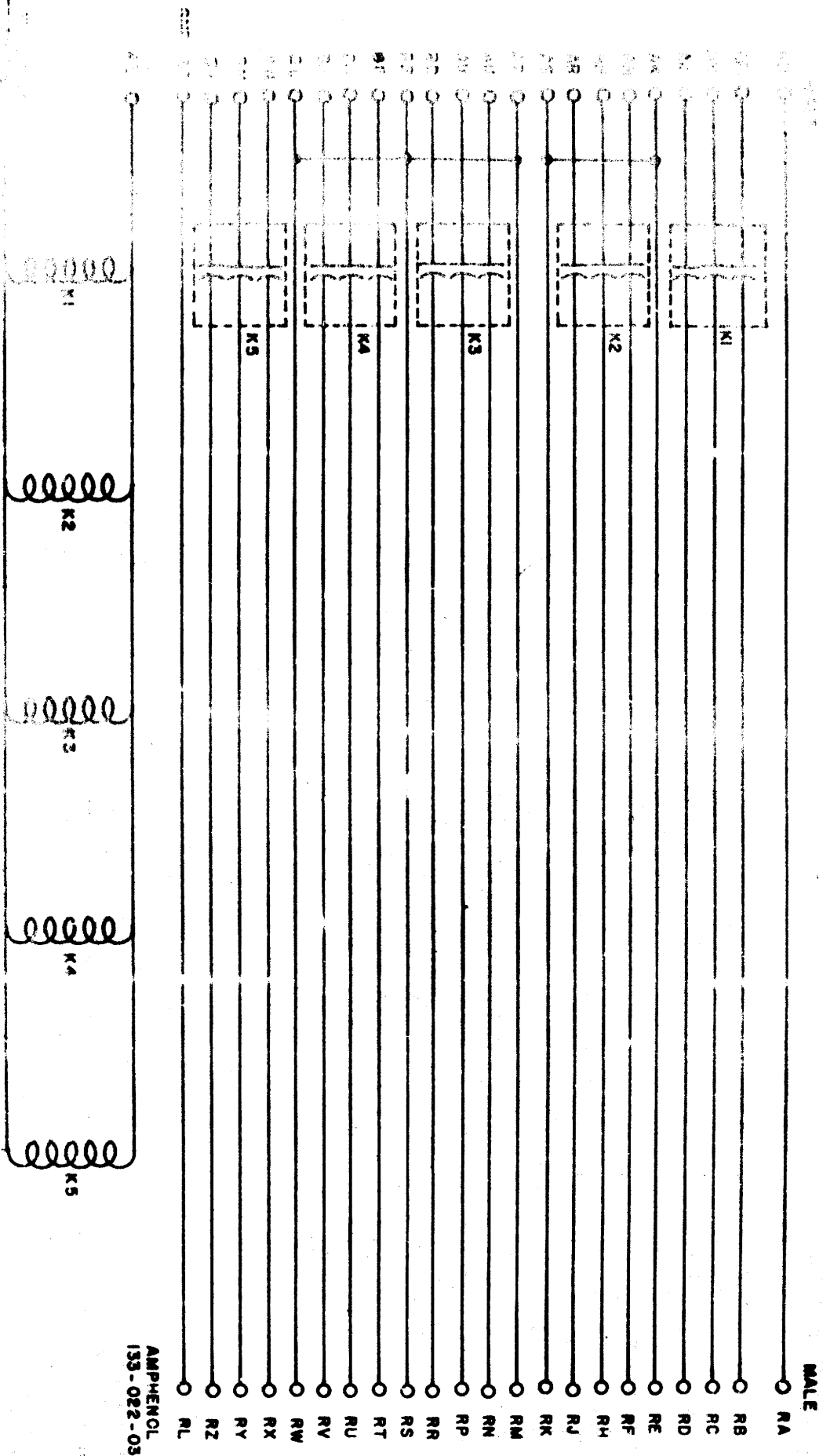
DRN	DATE
0072802	11/9/69
CHK'D	DATE
1/21	1/17/69
ENG	DATE
1/21	1/17/69
PROD	DATE
1/21	1/17/69

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		
DEC6534B	MP36534B		
DEC6531	MP36531		
2N4923	SAME		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

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

THIS SCHEMATIC IS PROVIDED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROTECTED BY PATENT AND SHOULD BE TREATED ACCORDINGLY. COMPANY: 1881 BY SIGNAL COMPONENT CORPORATION



REVISIONS		
REV	NO	DATE
1	1	1-25-43
2	2	1-25-43
3	3	1-25-43

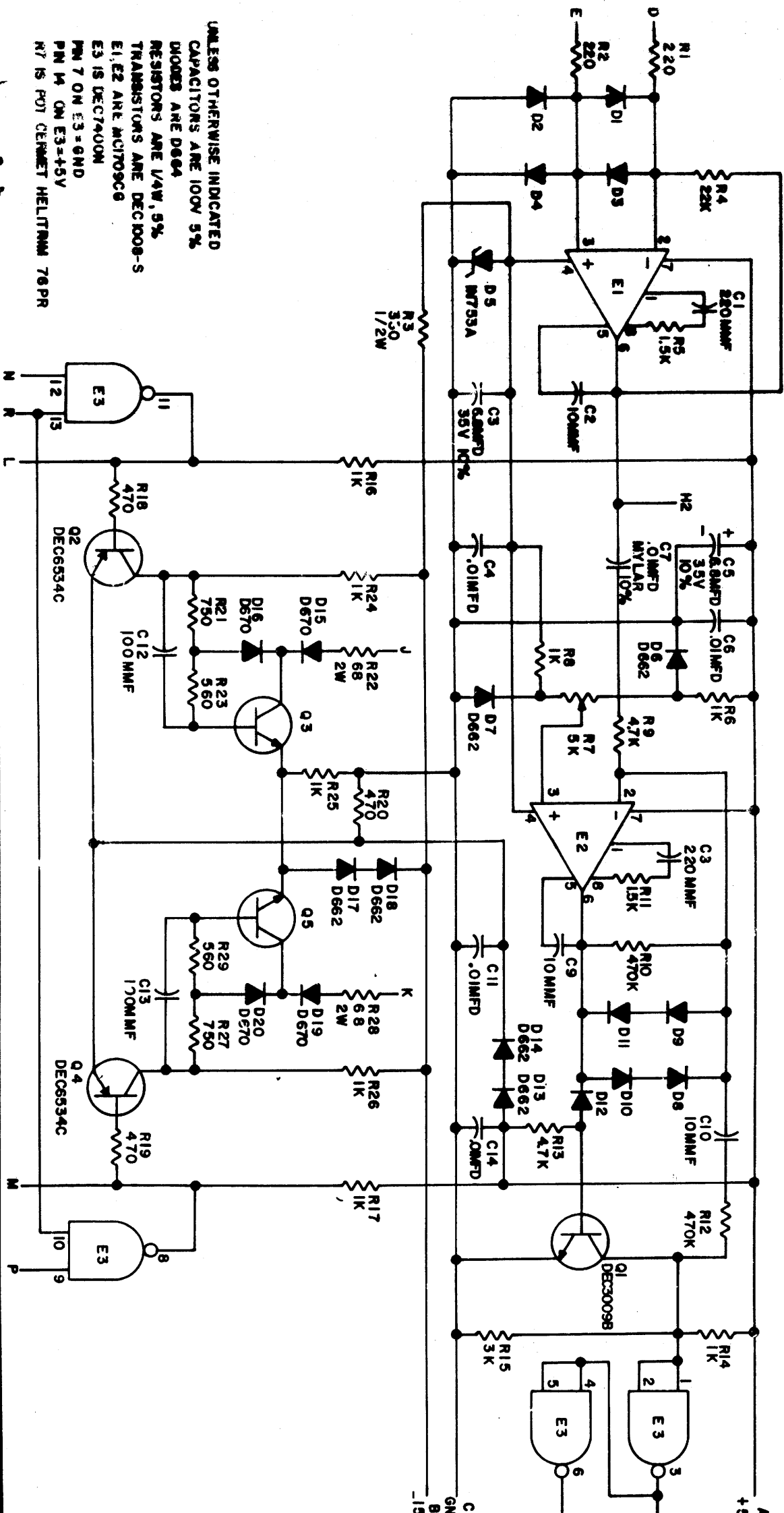
DESIGN	DATE
W. PORTER	1-25-43
CHD	1-25-43
ENG	1-25-43
D. WARDMAN	1-25-43
PROD	1-25-43

TRANSITION & QUOTE CONVERSION			
DEC	EA	DEC	EA

EQUIPMENT CORPORATION
HAYWARD, CALIFORNIA

RELAY 6851	
SIZE CODE	PRINTED CIRCUIT
B CS	6851-C-1

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



UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V 5%
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC1008-S
E1, E2 ARE MC1709C6
E3 IS DEC7400N
PN 14 ON E3 = GND
PN 14 ON E3 = +5V
R7 IS POT CERMET HELITRIM 76PR

REVISIONS		
ONE	ONE NO.	REV.
1	100001	A
H. DRAB		
Date 5/16/72		
100002 B		
H. DRAB		
Date 11/15/72		

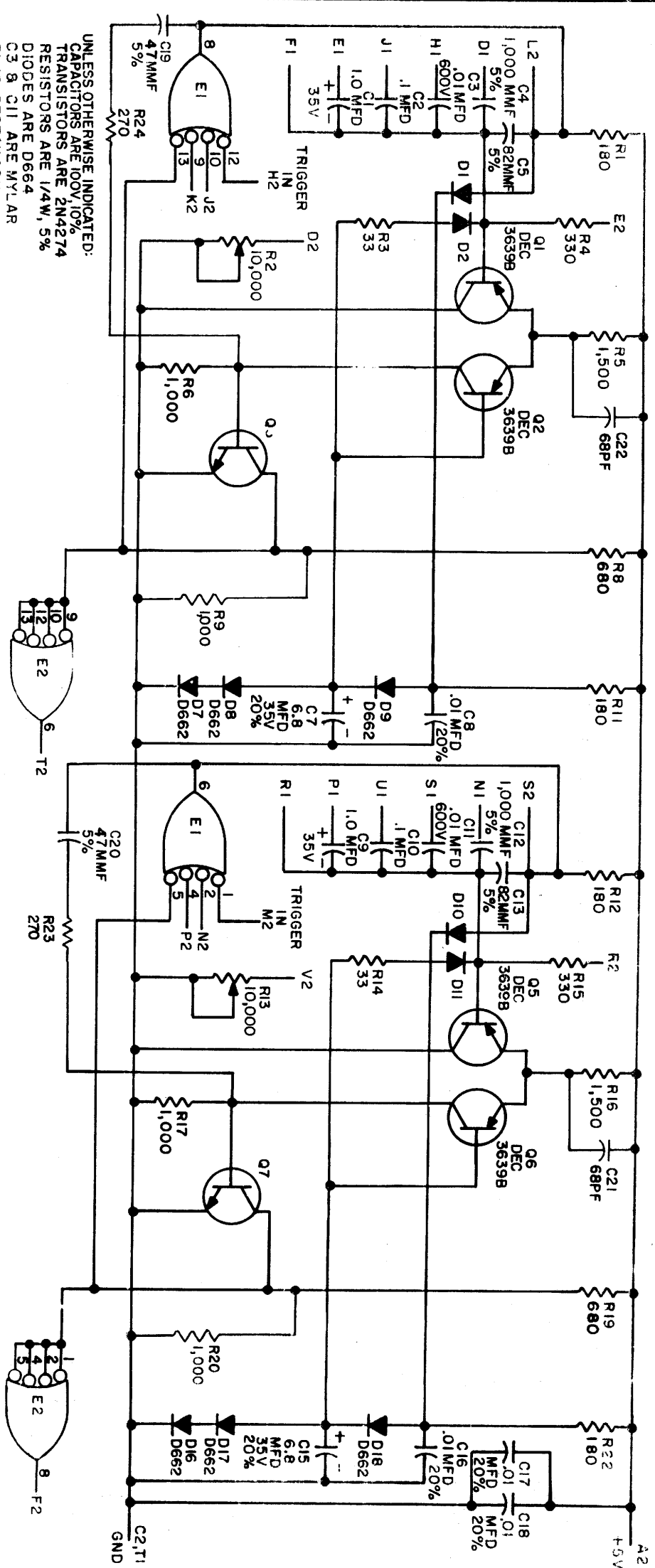
DATE	DATE	DATE
8-22-68	7/26/69	9/23/69
DATE	DATE	DATE
8/23/69	8/23/69	8/23/69

TRANSDUCER & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3406	DEC1008-S	2N3008
D662	1N645	DEC1009	2N3009
D670	1N645	DEC1009	2N3009

TITLE			
MANCHESTER			
READER/WRITER 6888			
SIZE	CODE	NUMBER	REV.
B	CS	6888-0-1	B
PRINTED CIRCUIT REV.			
A			

MANCHESTER
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1967 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 DEC74H4ON
PIN 14 ONICS = +5V
PIN 7 ONICS = GND
R2 & R13 ARE HELIOTRIM POT #79PR
10MFD CAPACITORS ARE TANTALUM
E2 IS DECA13N

PARTS LIST A-PL-M302-0-0

REVISIONS		
CHK	CHG NO.	REV.
	6507	B
	6719	
	6881	
	7077	
	00001	
	00002	
	00003	
	00004	

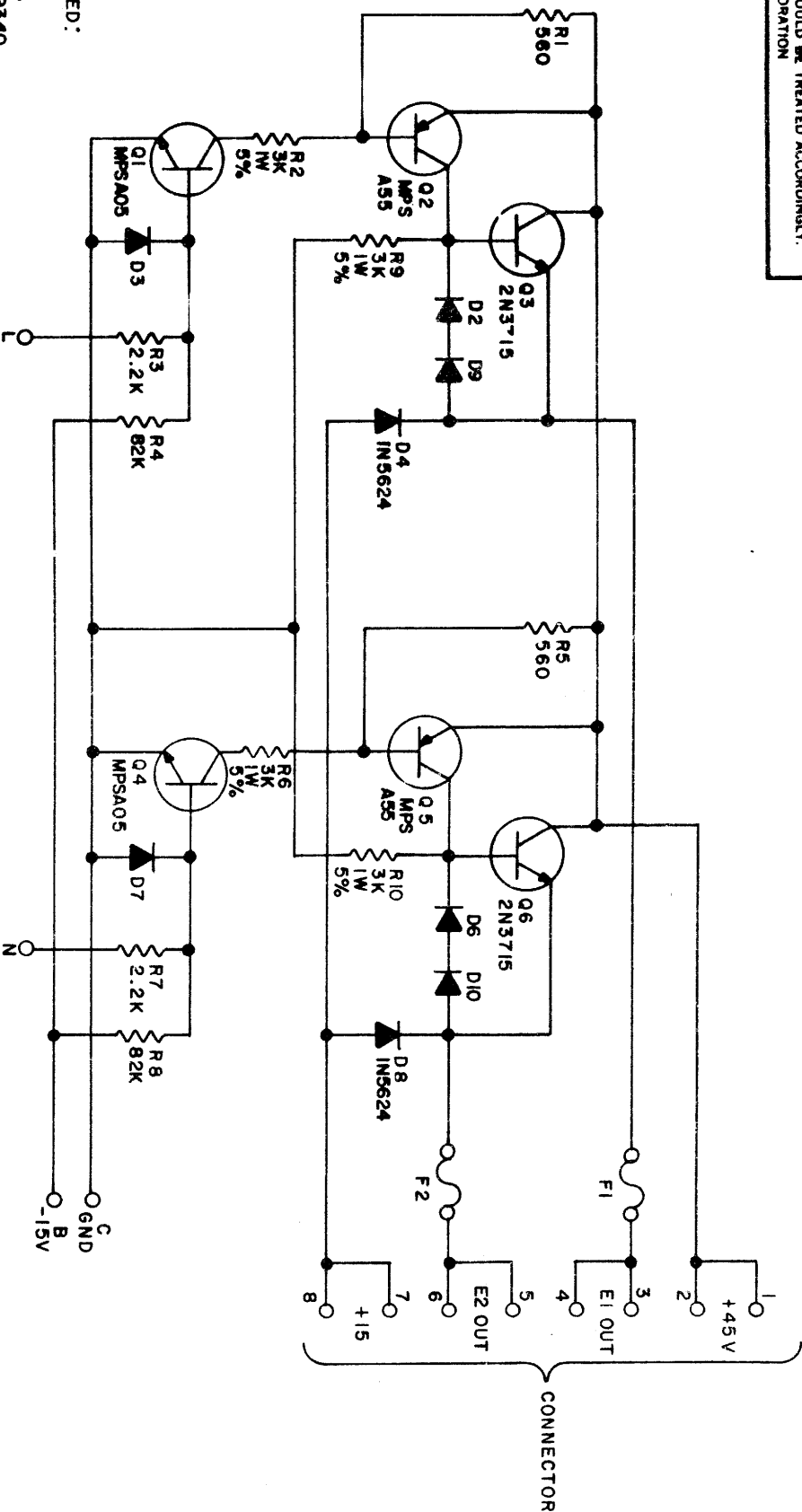
DRN	DATE	TRANSISTOR & DIODE CONVERSION CHART
Mr. Miller	6-5-67	
Q1, Q2	DATE	DEC
2N4274	DATE	2N3639
DEC3639B	DATE	IN645
D664	DATE	IN3606

TITLE	
ONE SHOT DELAY M302	
SIZE	CODE
B	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

D 1-0-4889 SC B
REV 3000 325



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:

C B 5

MOTOROLA: MPSA05
MPSA55

BOTTOM VIEW

E O C
O B O

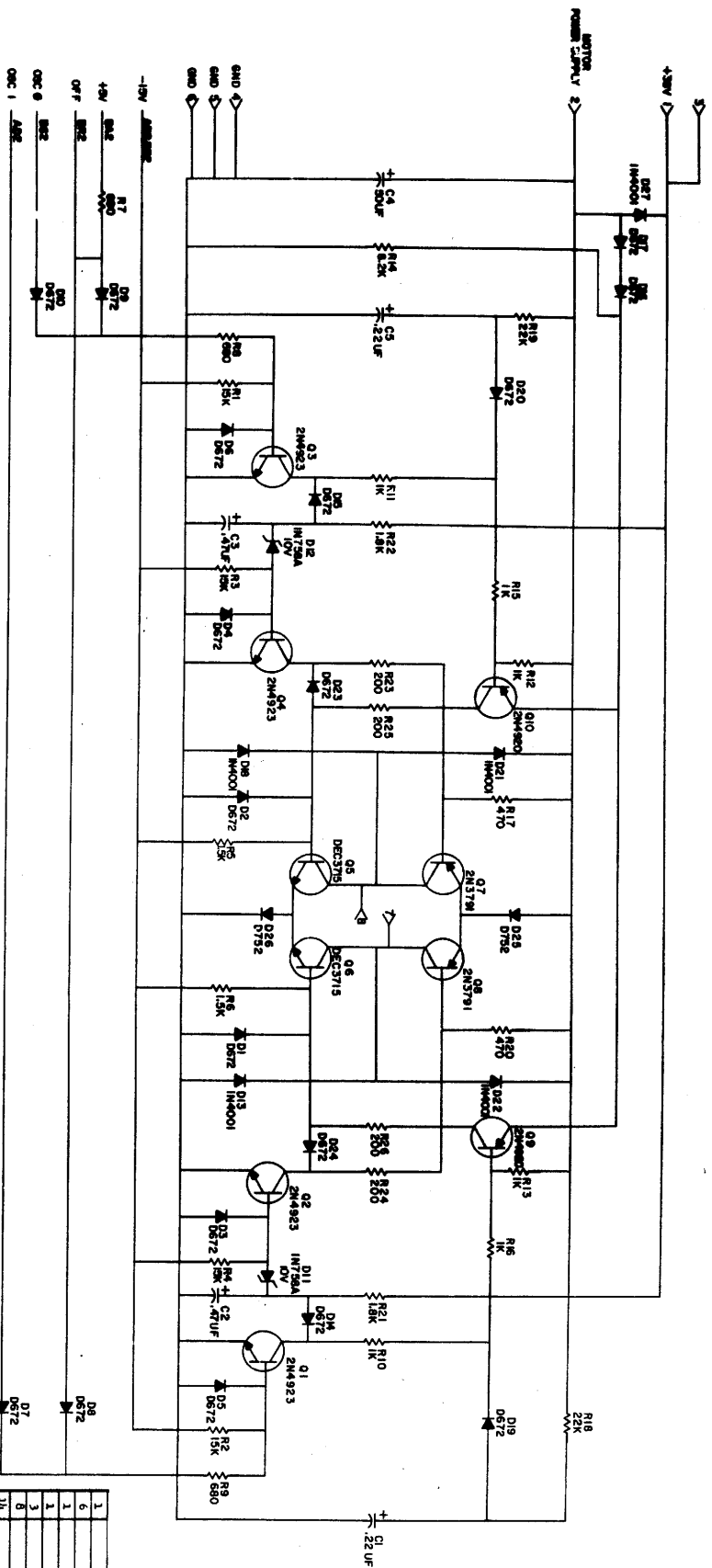
GE: GPSA05
GPSA55

REVISIONS		
CHK	CHG NO.	REV
1	00002	A
2	00003	
3	00004	B
4	00005	C
5	00006	D
NANCY MOORE		
MORGANSTERN		
H. J. JONES		
H. J. JONES		
H. J. JONES		

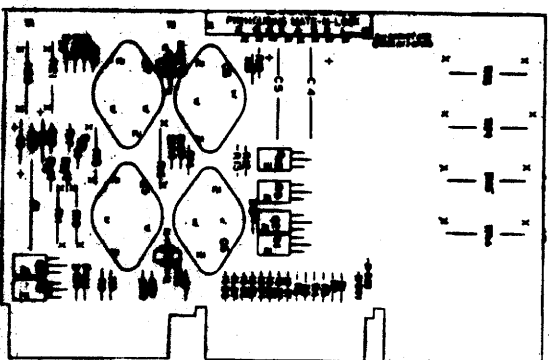
DRN	DATE
1	1-17-70
2	2-17-70
3	2-17-70
4	2-17-70
5	2-17-70

TRANSISTOR & DIODE CONVERSION CHART		
DEC	EIA	DEC
D672	IN3653	
MPSA05		
2N3715	NONE	
MPSA55		
IN3624	SAME	

TITLE		
DUAL MOTOR VOLTAGE CONTROL 6847		
SIZE	CODE	NUMBER
B	CS	6847-0-1
PRINTED CIRCUIT REV.		
E		



1	PIBEN SPACER 4 x 4 x 6	9007615	35
2	1-40 HERMETIC	9006556	36
3	NYLON HEX NUT 4	9007992	37
4	NYLON SCREW 1/40 x 1/2	9006402	38
5	HANDLE EXTENSION	9006732	39
6	1-40 HERMETIC	9006557	40
7	1-40 x 5/16 JERKEY	9006104	41
8	HANDLE, PLIP CHIP - ORIGIN	9006337	42
9	TRANSISTOR 2N4923	1509605	43
10	Q1, 2, 4, 3	1509581	44
11	Q7, 8	1509581	45
12	Q5, 6	1509581	46
13	TRANSISTOR 2N4923	1509581	47
14	RES, 22K 1/4 W 5%	1301868	48
15	RES, 200 1/4 W 5%	1309639	49
16	RES, 15K 1/4 W 5%	1304946	50
17	RES, 6.2K 1/4 W 5%	1301175	51
18	RES, 1.5K 1/4 W 5%	1300951	52
19	RES, 1K 1/4 W 5%	1300946	53
20	RES, 660 1/4 W 5%	1301241	54
21	RES, 470 1/4 W 5%	1300916	55
22	RES, 10K 1/4 W 5%	1300916	56
23	RES, 1.5K 1/4 W 5%	1300951	57
24	RES, 1K 1/4 W 5%	1300946	58
25	RES, 660 1/4 W 5%	1301241	59
26	RES, 470 1/4 W 5%	1300916	60
27	RES, 10K 1/4 W 5%	1300916	61
28	RES, 1.5K 1/4 W 5%	1300951	62
29	RES, 1K 1/4 W 5%	1300946	63
30	RES, 660 1/4 W 5%	1301241	64
31	RES, 470 1/4 W 5%	1300916	65
32	RES, 10K 1/4 W 5%	1300916	66
33	RES, 1.5K 1/4 W 5%	1300951	67
34	RES, 1K 1/4 W 5%	1300946	68
35	RES, 660 1/4 W 5%	1301241	69
36	RES, 470 1/4 W 5%	1300916	70
37	RES, 10K 1/4 W 5%	1300916	71
38	RES, 1.5K 1/4 W 5%	1300951	72
39	RES, 1K 1/4 W 5%	1300946	73
40	RES, 660 1/4 W 5%	1301241	74
41	RES, 470 1/4 W 5%	1300916	75
42	RES, 10K 1/4 W 5%	1300916	76
43	RES, 1.5K 1/4 W 5%	1300951	77
44	RES, 1K 1/4 W 5%	1300946	78
45	RES, 660 1/4 W 5%	1301241	79
46	RES, 470 1/4 W 5%	1300916	80
47	RES, 10K 1/4 W 5%	1300916	81
48	RES, 1.5K 1/4 W 5%	1300951	82
49	RES, 1K 1/4 W 5%	1300946	83
50	RES, 660 1/4 W 5%	1301241	84
51	RES, 470 1/4 W 5%	1300916	85
52	RES, 10K 1/4 W 5%	1300916	86
53	RES, 1.5K 1/4 W 5%	1300951	87
54	RES, 1K 1/4 W 5%	1300946	88
55	RES, 660 1/4 W 5%	1301241	89
56	RES, 470 1/4 W 5%	1300916	90
57	RES, 10K 1/4 W 5%	1300916	91
58	RES, 1.5K 1/4 W 5%	1300951	92
59	RES, 1K 1/4 W 5%	1300946	93
60	RES, 660 1/4 W 5%	1301241	94
61	RES, 470 1/4 W 5%	1300916	95
62	RES, 10K 1/4 W 5%	1300916	96
63	RES, 1.5K 1/4 W 5%	1300951	97
64	RES, 1K 1/4 W 5%	1300946	98
65	RES, 660 1/4 W 5%	1301241	99
66	RES, 470 1/4 W 5%	1300916	100



MOTOR CONTROL	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

MADE BY *Paul Johnson*
DATE *Oct 28, 1969*
ENG *E. Lutting*
DATE *3-18-70*

CHECKED *D. Wall*
DATE *1-30-70*
PROD *P. Johnson*
DATE *3-15-70*

SECTION
P.C. LAYOUT
ISSUED SECT.

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

TITLE
TU56 CONTROL BOARD

ASSY NO.
D-AD-5408500-0-0

SHEET 1 OF 2

SIZE CODE
A PL

NUMBER
5408500-0-0

REV. D

ECO NO. 00002

DEC FORM NO. 16-1027
DRA 123

5 PINK X

MADE BY *Paul Johnson*
DATE *Oct. 28, 1969*
ENG *E. Lutting*
DATE *3-18-70*

CHECKED *D. Wall*
DATE *1-30-70*
PROD *P. Johnson*
DATE *3-15-70*

SECTION
ISSUED SECT.

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

TITLE
SWITCH CONTROL PANEL (TU56)

ASSY NO.
D-AD-5408500-0-0

SHEET 2 OF 2

SIZE CODE
A PL

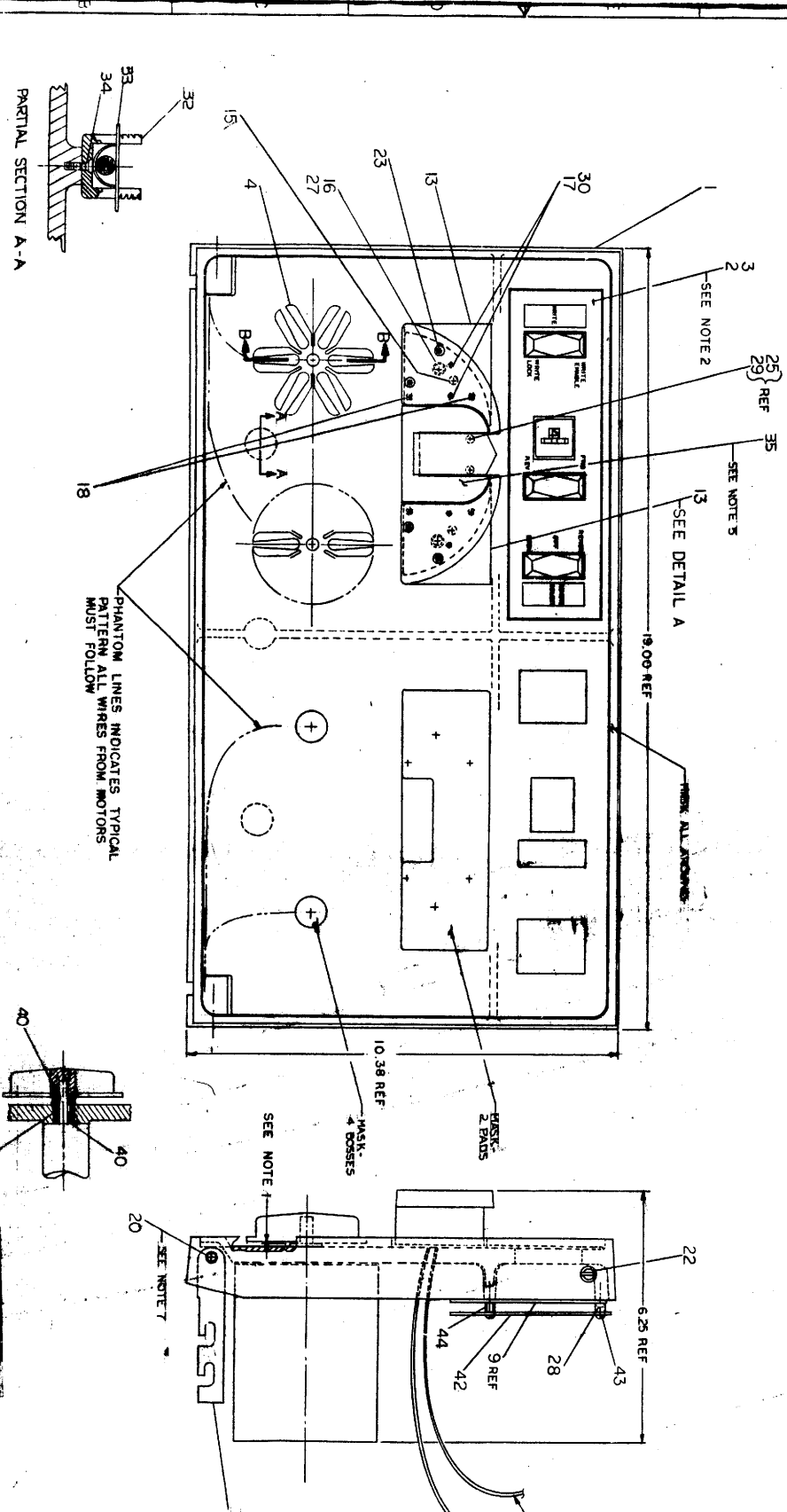
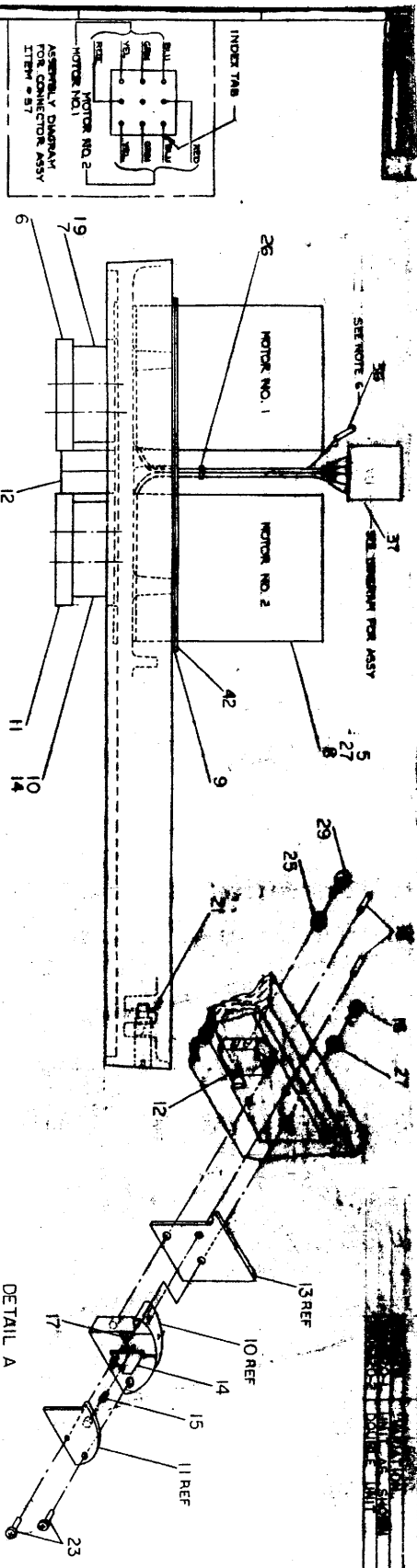
NUMBER
5408500-0-0

REV. D

ECO NO. 00002

DEC FORM NO. 16-1027
DRA 123

5 X



1 POSITION OF ITEM NO. 4 (HUB) MUST BE OUT FROM GAUGE PART NO. 39.

2 ASSEMBLE ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE) OF OVERLAY & FRONT SURFACE OF PANEL (HUB) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE APPLYING ADHESIVE TO MTC. PANEL.

3 ASSEMBLE ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE) OF OVERLAY & FRONT SURFACE OF PANEL (HUB) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE APPLYING ADHESIVE TO MTC. PANEL.

4 ASSEMBLE ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE) OF OVERLAY & FRONT SURFACE OF PANEL (HUB) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE APPLYING ADHESIVE TO MTC. PANEL.

5 ASSEMBLE ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE) OF OVERLAY & FRONT SURFACE OF PANEL (HUB) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE APPLYING ADHESIVE TO MTC. PANEL.

6 CRIMP ITEM NO. 2 (OVERLAY) USING ITEM NO. 3 (ADHESIVE) OF OVERLAY & FRONT SURFACE OF PANEL (HUB) & ALLOW A MIN. OF ONE (1) MINUTE DRY TIME BEFORE APPLYING ADHESIVE TO MTC. PANEL.

7 DO NOT ASSEMBLE ITEM NO. 2 (OVERLAY) UNTIL ITEM NO. 20 IS IN PLACE SO THAT ITEM NO. 20 WILL GO THRU ITEM NO. 39 AT ASSEMBLY.

INDICATES CABLE WIRE FROM ITEM NO. 12 (HEAD)

PHANTOM LINES INDICATES TYPICAL PATTERN ALL WIRES FROM MOTORS MUST FOLLOW

PARTIAL SECTION A-A

SECTION B-B

PANEL FRONT ASSEMBLY

ITEM NO. 1

ITEM NO. 2

ITEM NO. 3

ITEM NO. 4

ITEM NO. 5

ITEM NO. 6

ITEM NO. 7

ITEM NO. 8

ITEM NO. 9

ITEM NO. 10

ITEM NO. 11

ITEM NO. 12

ITEM NO. 13

ITEM NO. 14

ITEM NO. 15

ITEM NO. 16

ITEM NO. 17

ITEM NO. 18

ITEM NO. 19

ITEM NO. 20

ITEM NO. 21

ITEM NO. 22

ITEM NO. 23

ITEM NO. 24

ITEM NO. 25

ITEM NO. 26

ITEM NO. 27

ITEM NO. 28

ITEM NO. 29

ITEM NO. 30

ITEM NO. 31

ITEM NO. 32

ITEM NO. 33

ITEM NO. 34

ITEM NO. 35

ITEM NO. 36

ITEM NO. 37

ITEM NO. 38

ITEM NO. 39

ITEM NO. 40

ITEM NO. 41

ITEM NO. 42

ITEM NO. 43

ITEM NO. 44

ITEM NO. 45

ITEM NO. 46

ITEM NO. 47

ITEM NO. 48

ITEM NO. 49

ITEM NO. 50

ITEM NO. 51

ITEM NO. 52

ITEM NO. 53

ITEM NO. 54

ITEM NO. 55

ITEM NO. 56

ITEM NO. 57

ITEM NO. 58

ITEM NO. 59

ITEM NO. 60

ITEM NO. 61

ITEM NO. 62

ITEM NO. 63

ITEM NO. 64

ITEM NO. 65

ITEM NO. 66

ITEM NO. 67

ITEM NO. 68

ITEM NO. 69

ITEM NO. 70

ITEM NO. 71

ITEM NO. 72

ITEM NO. 73

ITEM NO. 74

ITEM NO. 75

ITEM NO. 76

ITEM NO. 77

ITEM NO. 78

ITEM NO. 79

ITEM NO. 80

ITEM NO. 81

ITEM NO. 82

ITEM NO. 83

ITEM NO. 84

ITEM NO. 85

ITEM NO. 86

ITEM NO. 87

ITEM NO. 88

ITEM NO. 89

ITEM NO. 90

ITEM NO. 91

ITEM NO. 92

ITEM NO. 93

ITEM NO. 94

ITEM NO. 95

ITEM NO. 96

ITEM NO. 97

ITEM NO. 98

ITEM NO. 99

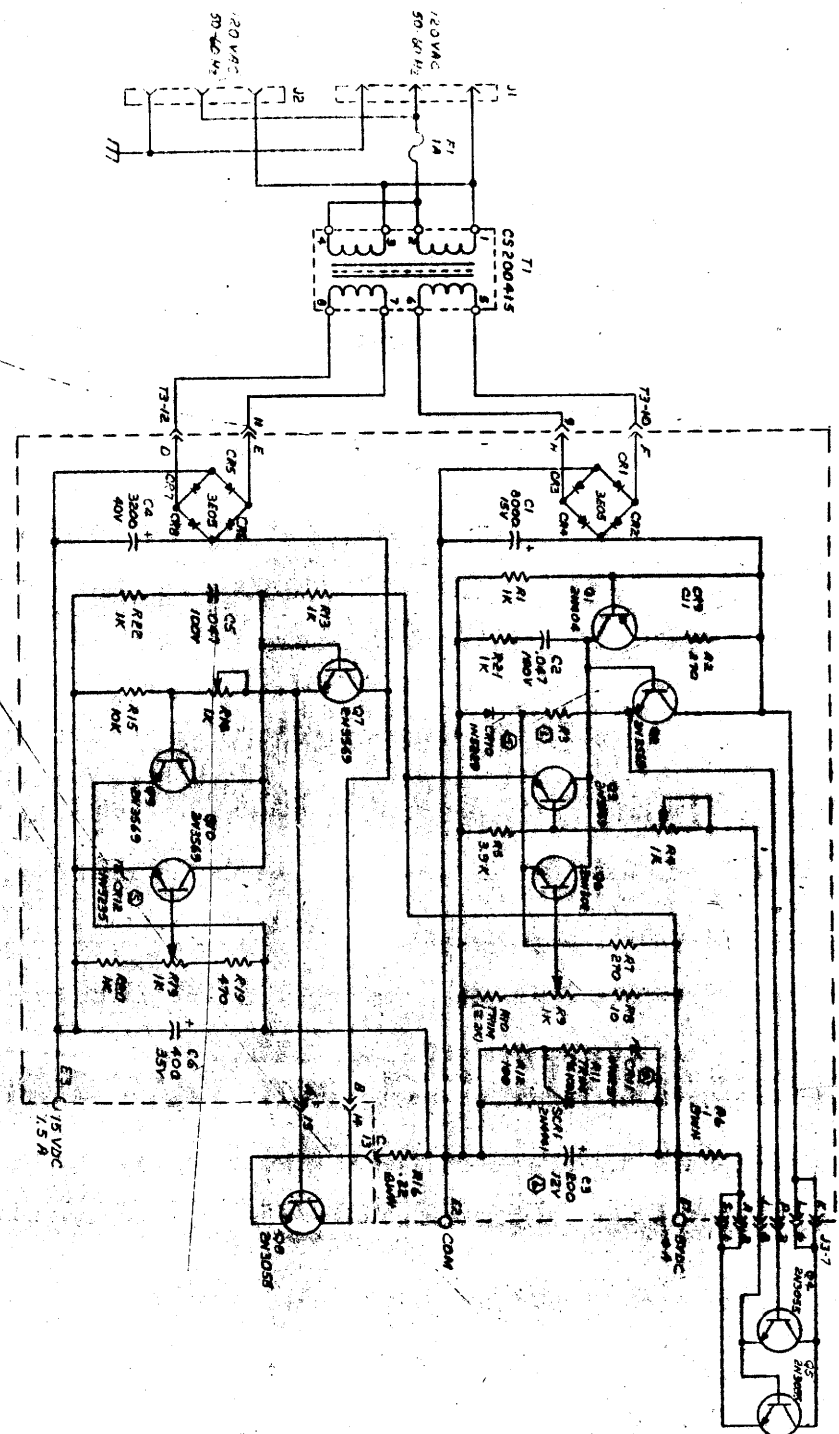
ITEM NO. 100

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY/VARIATION																
PARTS LIST																				
MADE BY KEN GULICK		CHECKED D. HEALY		SECTION																
DATE 6/5/69		DATE 7/23/69		1																
ENG <i>C. Gulick</i>		PROD C. R. Thompson		ISSUED SECT.																
DATE 8-22-69		DATE 8-26-69		1																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		7006320-1	7006320-2															
1	E-MD-7407395-0-0	PANEL MFG (TU56)		1	1															
2	D-IA-7410958-0-0	PANEL OVERLAY		1	1															
3	900791	ADHESIVE BONDING GRIP SPRAY #77		A/PA/R																
4	E-MD-7407395-0-0	HUB ASSY (4-11-1969)		2	4															
5	9006341	SCR SOC HD CAP 10 24 X 1/2 BLK PASS.		2	16															
6	C-MD-7407282-2-0	COVER PLATE (L.H.)		1	2															
7	C-MD-7407283-2-0	TAPE GUIDE (L.H.)		1	2															
8	1209602	MOTOR, TORQUE		2	4															
9	D-IA-7006222-0-0	SWITCH CONTROL PANEL ASS'Y		1	2															
10	C-IA-7407283-1-0	TAPE GUIDE (R.H.)		1	2															
11	C-MD-7407282-1-0	COVER PLATE (R.H.)		1	2															
12	1209691	HEAD ASSY		1	2															
13	C-MD-7405136-0-0	REAR CHECK TAPE GUIDE		2	4															
14	B-MD-7405114-1-0	WEAR PLATE (R.H.)		1	2															
15	9007104	SPR #649-119N INST SPEC. CO.		2	4															
16	9006345	SCR SOC HD CAP #10-32 X 3/8 SST		2	4															
17	9008133	DOWEL PIN 3/32 DIA X 7/16 LG		4	8															
18	9008131	DOWEL PIN 1/8 DIA X 7/8 LG		4	8															
19	B-MD-7405114-2-0	WEAR PLATE (L.H.)		1	2															
20	9008130	DOWEL PIN 1/4 DIA X 1 1/4		2	2															
21	90-07785	GRIP, EXT SER #5555-37 WALDES 3/8" SHAFT		2	2															
22	B-MD-7407400-0-0	PIN, LOCK		2	2															
TITLE		ASSY NO.		SIZE CODE		NUMBER		REV.		ECO NO.										
PANEL FRONT, ASSEMBLY		E-AD-7006320-0-0		A PL		7006320-0-0		L		TU56-00076										
		SHEET 1 OF 2		DIST. C																

DEC FORM NO.
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY/VARIATION																
PARTS LIST																				
MADE BY KEN GULICK		CHECKED D. HEALY		SECTION																
DATE 6/5/69		DATE 7/25/69		1																
ENG <i>C. Gulick</i>		PROD C. R. Thompson		ISSUED SECT.																
DATE 8-26-69		DATE 8-26-69		1																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		7006320-1	7006320-2															
23	9006331	SCR SOC HD CAP 6-32 X 5/8 LG BLK PASS.		4	8															
24	C-MD-7405136-1-0	REAR CHECK TAPE GUIDE L.H.		2	4															
25	9006632	WASH INT TOOTH #4		2	4															
26	9007032	TIE WRAP #SST-2-B PANDUIT		A/PA/R																
27	9007651	WASH EXT TOOTH #10 HOLE		10	20															
28	9006022-1	SCR, PH HD PAN #6-32 X 3/8 SST		4	8															
29	9006014-1	SCR PH HD PAN #4-40 X 5/8 LG SST		2	4															
30	9008133	GRIP, EXT SER #5555-37		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/PA/R																
39	C-MD-1209830	ARM, PANEL SUPPORT		2	2															
40	1209926	BUSHING, OIL IMPREGNATED BRONZE		4	8															
41	1209917	SPRING, COMPRESSION		2	4															
42	C-MD-7408287-0-0	GUARD PLATE		1	2															
43	90-06024-1	SCR, PH HD PAN #6-32 x 1/2 SST		2	4															
44	90-06793	SPACER 3/16AF X 3/16LG #6 HOLE AL		2	4															
TITLE		ASSY NO.		SIZE CODE		NUMBER		REV.		ECO NO.										
PANEL FRONT ASSEMBLY		E-AD-7006320-0-0		A PL		7006320-0-0		L		TU56-00064										
		SHEET 2 OF 2		DIST. G																

DEC FORM NO.
DRA 110



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 WHOLE IS STRICTLY PROHIBITED.
CONTENTS TAKEN FROM DUC 52C-2004 (REV D)

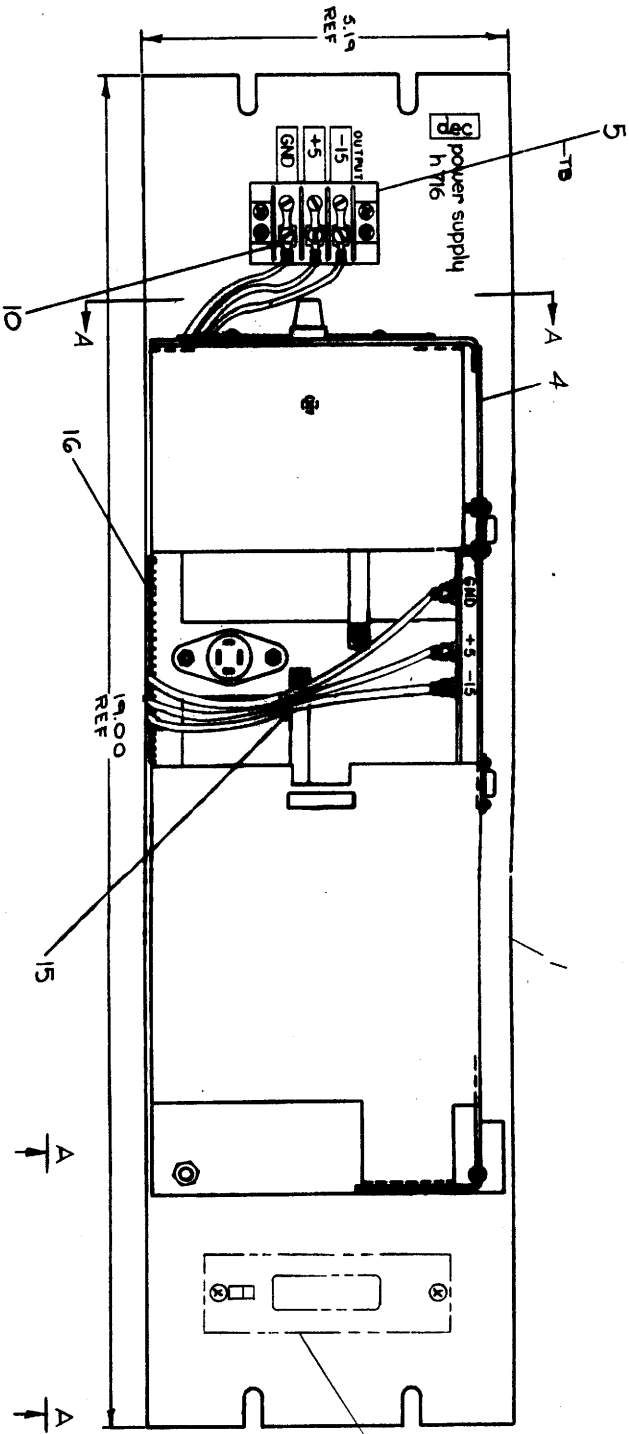
- NOTES:
- ① R3 IS A TRIM VALUE OF "OPEN" WITH AN APPROX VALUE OF "OPEN"
 2. ALL RESISTANCE VALUES ARE EXPRESS IN OHMS.
 3. ALL RESISTORS ARE FIXED COMPOSITION 1/2" ± 10%
 4. ALL CAPACITOR VALUES ARE EXPRESSED IN MICROFARADS
 - ⑤ CR10 MAY BE MICROFARAD NO. 5213477-2 CR11 MAY BE MICROFARAD NO. 5213477-4 CR12 MAY BE MICROFARAD NO. 5213477-5
 6. CAPACITORS C3 MAY BE TANTALUM 4UF 6.3V
 7. RESISTANCE VALUE FOR R10 & R11 MAY BE CHANGED DURING FINAL TEST.

[illegible]

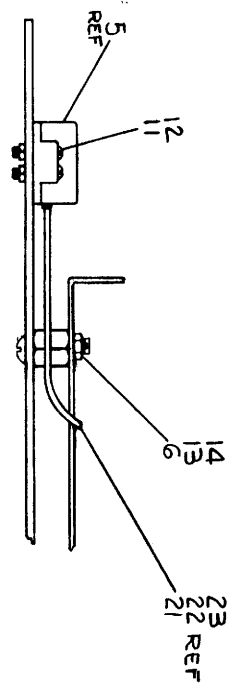
8
7
6
5
4
3
2
1

LEGEND	
NUMBER	VARIATION
H716-0	WANTLESS P.S. WITH 110V RECEPTACLE
H716-A	H716 WITH 230V RECEPTACLE
H716-B	19"H716 (115V RECEPTACLE)
H716-C	H716-B WITH OUTPUT RELAY SWITCHED FROM +5V (115V)
H716-D	H716-B WITH 230V RECEPTACLE

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



SEE VIEW A-A
SHEET # 2.



PRINTED ON 50% RECYCLED PAPER
ADD 1

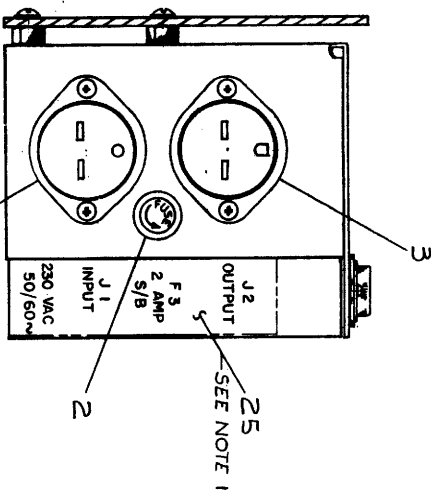
DATE	10/1/77	BY	J. J. J.
REVISIONS	CHANGE NO.	REV.	
1			
2			
3			
4			
5			
6			
7			
8			

POWER SUPPLY
H716

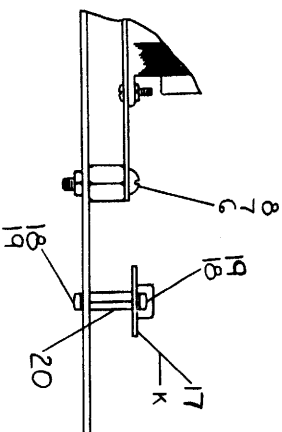
DIM H716-0-0

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

WIRE TABLE H716-C				
ITEM	DESCRIPTION	FROM	TO	WITH
NO.	AWG/COLOR	CONNECTION	CONNECTION	
23	18 BLK	PS-GND	TB-GND	10
21	18 RED	PS-+5	TB-+5	10
22	18 BLU	PS-15	TB-15	10



SECTION A-A
SCALE: 1/1



VIEW A-A
FOR H716-C

FIRST USED ON OPTION/MODEL		DATE	BY
DESCRIPTION		DATE	BY
PART NO.		DATE	BY
DRAWN		DATE	BY
CHECKED		DATE	BY
APPROVED		DATE	BY
TOLERANCES		DATE	BY
DETAILS		DATE	BY
ANGLES		DATE	BY
X.XX - .005		DATE	BY
X.XX - .01		DATE	BY
X.XX - .02		DATE	BY
X.XX - .03		DATE	BY
X.XX - .04		DATE	BY
X.XX - .05		DATE	BY
X.XX - .06		DATE	BY
X.XX - .07		DATE	BY
X.XX - .08		DATE	BY
X.XX - .09		DATE	BY
X.XX - .10		DATE	BY
X.XX - .11		DATE	BY
X.XX - .12		DATE	BY
X.XX - .13		DATE	BY
X.XX - .14		DATE	BY
X.XX - .15		DATE	BY
X.XX - .16		DATE	BY
X.XX - .17		DATE	BY
X.XX - .18		DATE	BY
X.XX - .19		DATE	BY
X.XX - .20		DATE	BY
X.XX - .21		DATE	BY
X.XX - .22		DATE	BY
X.XX - .23		DATE	BY
X.XX - .24		DATE	BY
X.XX - .25		DATE	BY
X.XX - .26		DATE	BY
X.XX - .27		DATE	BY
X.XX - .28		DATE	BY
X.XX - .29		DATE	BY
X.XX - .30		DATE	BY
X.XX - .31		DATE	BY
X.XX - .32		DATE	BY
X.XX - .33		DATE	BY
X.XX - .34		DATE	BY
X.XX - .35		DATE	BY
X.XX - .36		DATE	BY
X.XX - .37		DATE	BY
X.XX - .38		DATE	BY
X.XX - .39		DATE	BY
X.XX - .40		DATE	BY
X.XX - .41		DATE	BY
X.XX - .42		DATE	BY
X.XX - .43		DATE	BY
X.XX - .44		DATE	BY
X.XX - .45		DATE	BY
X.XX - .46		DATE	BY
X.XX - .47		DATE	BY
X.XX - .48		DATE	BY
X.XX - .49		DATE	BY
X.XX - .50		DATE	BY
X.XX - .51		DATE	BY
X.XX - .52		DATE	BY
X.XX - .53		DATE	BY
X.XX - .54		DATE	BY
X.XX - .55		DATE	BY
X.XX - .56		DATE	BY
X.XX - .57		DATE	BY
X.XX - .58		DATE	BY
X.XX - .59		DATE	BY
X.XX - .60		DATE	BY
X.XX - .61		DATE	BY
X.XX - .62		DATE	BY
X.XX - .63		DATE	BY
X.XX - .64		DATE	BY
X.XX - .65		DATE	BY
X.XX - .66		DATE	BY
X.XX - .67		DATE	BY
X.XX - .68		DATE	BY
X.XX - .69		DATE	BY
X.XX - .70		DATE	BY
X.XX - .71		DATE	BY
X.XX - .72		DATE	BY
X.XX - .73		DATE	BY
X.XX - .74		DATE	BY
X.XX - .75		DATE	BY
X.XX - .76		DATE	BY
X.XX - .77		DATE	BY
X.XX - .78		DATE	BY
X.XX - .79		DATE	BY
X.XX - .80		DATE	BY
X.XX - .81		DATE	BY
X.XX - .82		DATE	BY
X.XX - .83		DATE	BY
X.XX - .84		DATE	BY
X.XX - .85		DATE	BY
X.XX - .86		DATE	BY
X.XX - .87		DATE	BY
X.XX - .88		DATE	BY
X.XX - .89		DATE	BY
X.XX - .90		DATE	BY
X.XX - .91		DATE	BY
X.XX - .92		DATE	BY
X.XX - .93		DATE	BY
X.XX - .94		DATE	BY
X.XX - .95		DATE	BY
X.XX - .96		DATE	BY
X.XX - .97		DATE	BY
X.XX - .98		DATE	BY
X.XX - .99		DATE	BY
X.XX - 1.00		DATE	BY

Number	Rev
30-09282	C

Date 1/6/69

FLUSE CLIPS TO RI

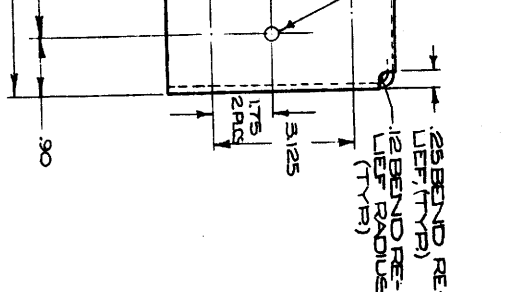
6. AMERICAN CHANGED TO AMERICAN AND
HOBBS, DIMENSIONS CHANGED,
C1 CHANGED DIMENSIONS FOR RECEIPTALS
AS SHOWN ON SHEET 6 OF 7.

1141

- | | | | | |
|--------|--------|-----|----------|-----------|
| Eng A | Cody | Eng | R | M |
| Dorman | | QC | P | Schneider |
| (JTC) | Nureth | A | Thompson | |
- TITLE: H 716
POWER SUPPLY

Number	Rev
30-09282	C
	100-4 63

Number	Rev
30-09282	c



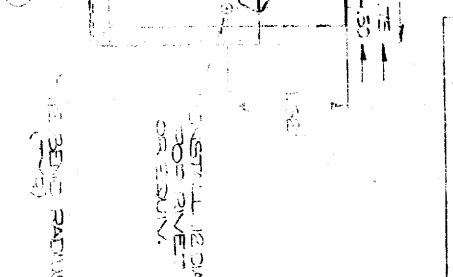
Number	Page
30-09282	1

Date 3-7-03



Sheet of	500's
Number	Re

Number: 100-09282



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

20

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY G. FLANDERS		CHECKED <i>J.F. Fleming</i>		SECTION 1															
DATE 7-22-71		DATE 8-27-71		PROD <i>Gene Stinger</i>															
ENG <i>P. J. Severin</i>		DATE 8/27/71		ISSUED SECT. 1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			H716-Ø	H716-A	H716-B	H716-C	H716-D										
1	D-IA-7408142-0-0	MOUNTING PANEL H716			-	-	1	-	-										
2	D-IA-7408142-1-0	MOUNTING PANEL H716			-	-	-	1	-										
1	D-IA-7408142-2-0	MOUNTING PANEL H716			-	-	-	-	1										
2	9007216	2 AMP S.B. FUSE			-	1	-	-	1										
3	9008470	FEMALE A.C. CONN			-	1	1	1	1										
4	3009282	H716 POWER SUPPLY			1	1	-	-	1										
5	9007631	TERM STRIP #3-541 JONES			-	-	1	1	1										
6	9006829	SPACER 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/RA	R										
16	9007622	CATAPILLAR GROMMET			-	-	A/RA	RA/RA	R										
17	C-IA-5408857-0-0	+15V POWER SEQUENCING BD			-	-	-	1	-										
18	9006022-1	SCR PHL HD 6-32 X 3/8 LG			-	-	-	4	-										
19	9006633	WASHER INT TOOTH #6			-	-	-	4	-										
20	9006857	SPACER 1/4 AF X 5/8 LG 6-32			-	-	-	2	-										
TITLE H716 POWER SUPPLY		ASSY NO. D-UA-H716-Ø-Ø		SIZE CODE A PL		NUMBER H716-Ø-Ø		REV.		ECO NO.									
SHEET 1 OF 2		DIST. 6																	

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

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY G. FLANDERS		CHECKED <i>J.F. Fleming</i>		SECTION 1															
DATE 7-22-71		DATE 8-27-71		PROD <i>Gene Stinger</i>															
ENG <i>P. J. Severin</i>		DATE 8/27/71		ISSUED SECT. 1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			H716-Ø	H716-A	H716-B	H716-C	H716-D										
21	9107360-22	18 AWG WIRE INSULATED RED			-	-	A/RA	RA/RA	R										
22	9107360-66	18 AWG WIRE INSULATED BLU			-	-	A/RA	RA/RA	R										
23	9107360-00	18 AWG WIRE INSULATED BLK			-	-	A/RA	RA/RA	R										
24	9008854	MALE AC CONNECTOR INLET FLG'D			-	1	-	-	1										
25	A-DC-5309717-0-0	DECAL, POWER H716 (230V)			-	1	-	-	1										
26	9007919	CONN SLDS ARK 50906			-	-	-	2	-										
TITLE H716 POWER SUPPLY		ASSY NO. D-UA-H716-Ø-Ø		SIZE CODE A PL		NUMBER H716-Ø-Ø		REV.		ECO NO.									
SHEET 2 OF 2		DIST. 6																	

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

Number	Rev
30-09282	C

Date 1/6/69

Revisions

Change No.	A:
1	SOLDER OUTPUT LUGS AND FLUSH CLIPS TO RIVETS. R. MURPHY 10/23/70

- B) MATERIAL CHANGED TO ARMO LIGHT AND
HABELL. DIMENSIONS CHANGED,
C) CHANGED DIMENSIONS FOR RECTIFICALS
AS SHOWN ON SHEET 6 OF 7.

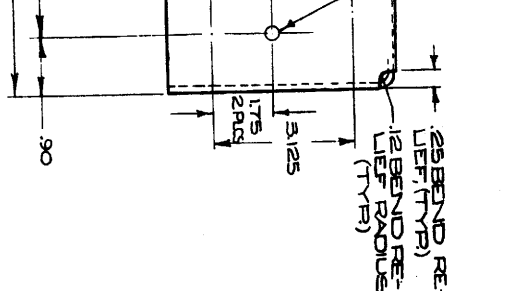
- | | |
|---------------|---------------|
| Eng. K. R. G. | Eng. R. G. R. |
| Drown | OC |
| CPAC | Rural |
| TITLE: R 716 | |
| POMER SUPPLY | |

Number	Rev
--------	-----

30-09282

100-4 63

Number	Rev
30-09282	c



Member No. 30-09282

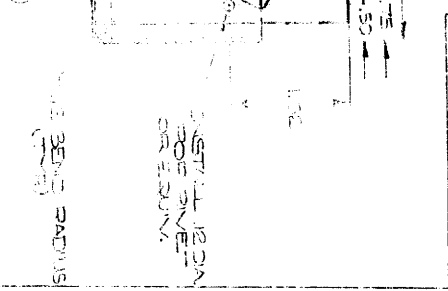
• $\Delta_{\text{H}_2\text{O}}$



10

—

70-60282



Sheet 2 of 7	Scale - 1/4"
Number 30-09282	Rev c

29

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

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DATE 2/18/71

TITLE Modification Procedure for H716

REVISIONS					
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY

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

ENGINEERING SPECIFICATION

CONTINUATION SHEET

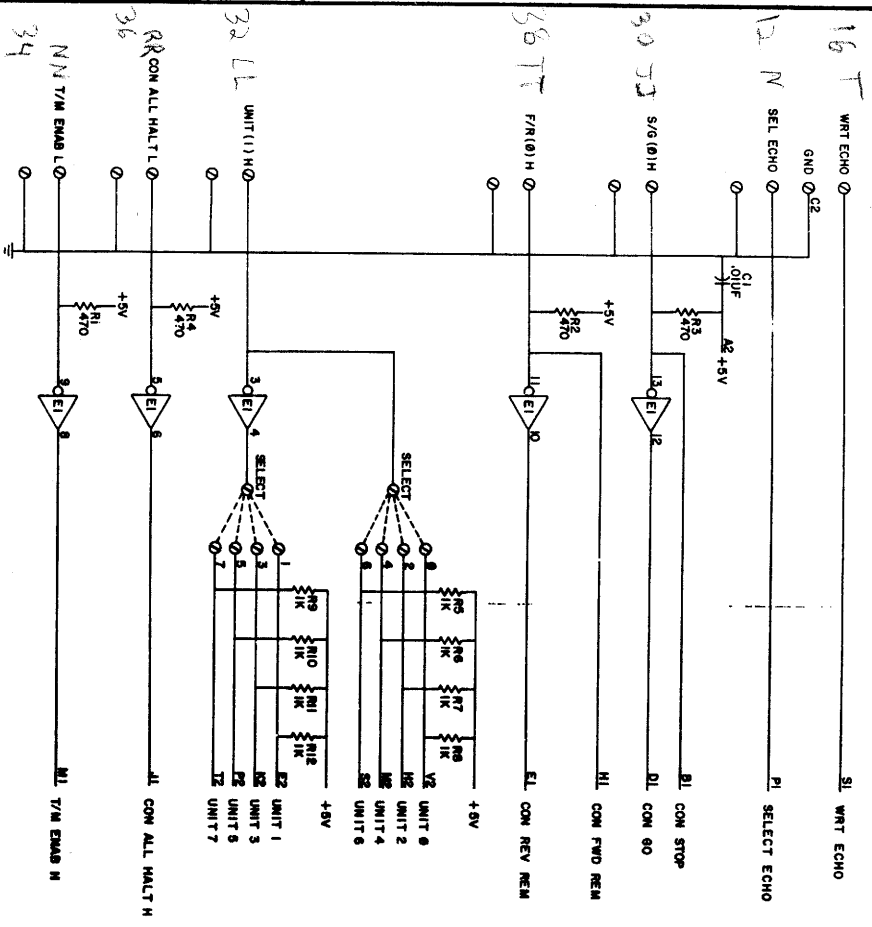
TITLE Modification Procedure for H716

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

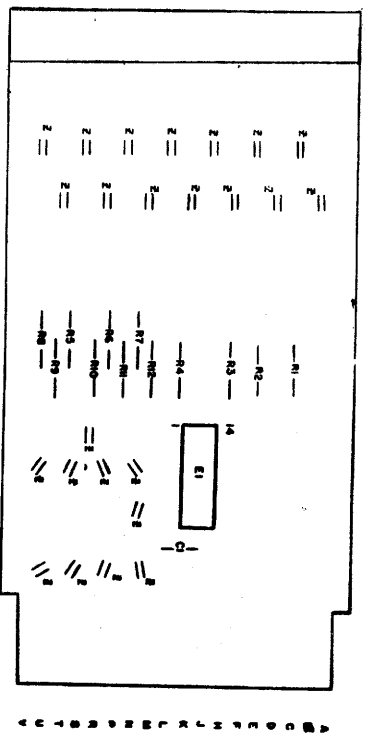
- 1) Replace the male AC power connector with DEC Part #90-8854
- 2) Replace the female AC power connector with DEC Part #90-8470
- 3) Replace the 3 amp S/B AC input fuse with DEC Part #90-7216
- 4) Replace existing decal with new decal DEC Part # 5309717
- 5) Change the following jumpers on the transformer:

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

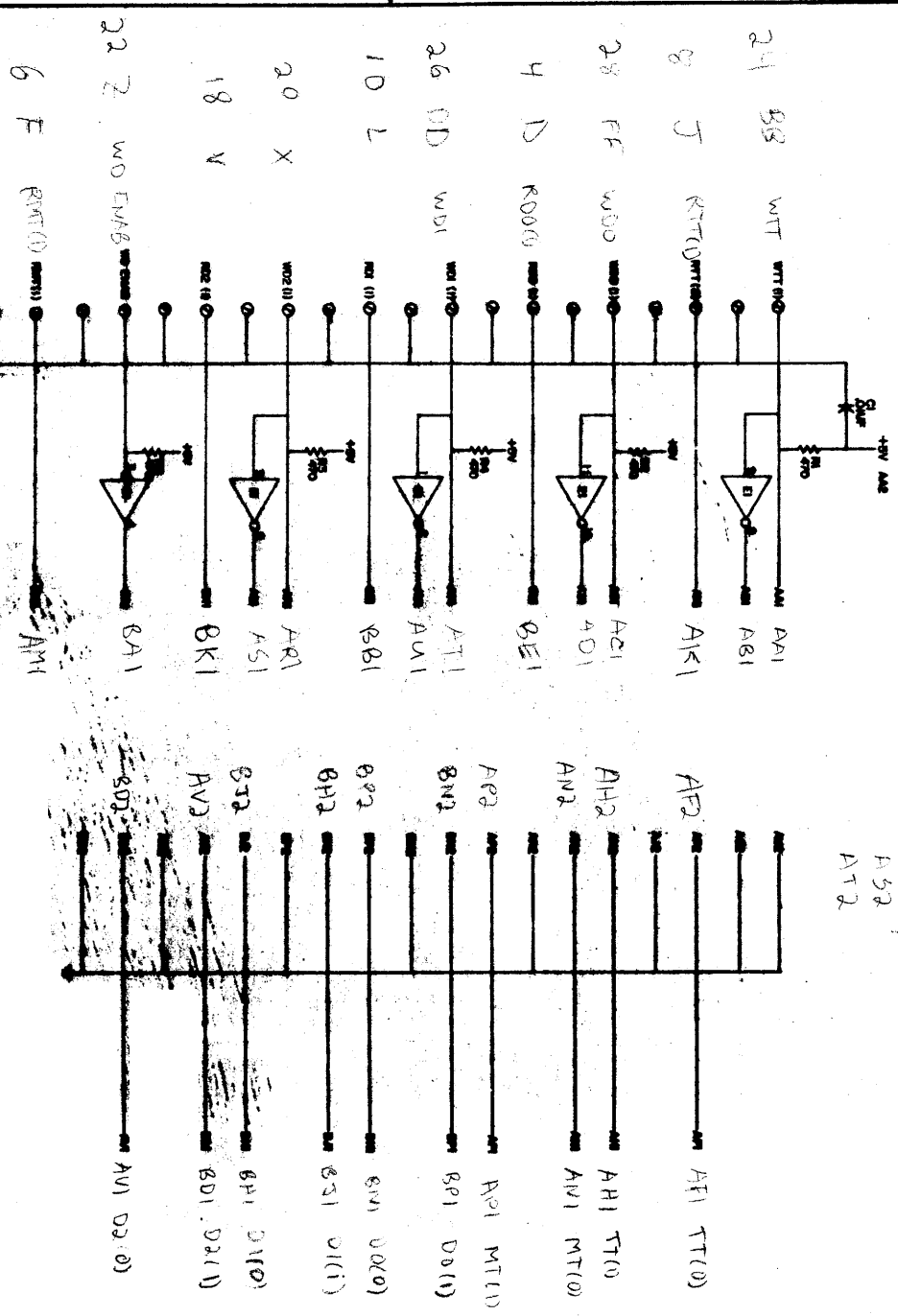
DEC FORM NO. DRA 108	SIZE A	CODE SP	NUMBER H716-0-1	REV
SHEET 2 OF 2				



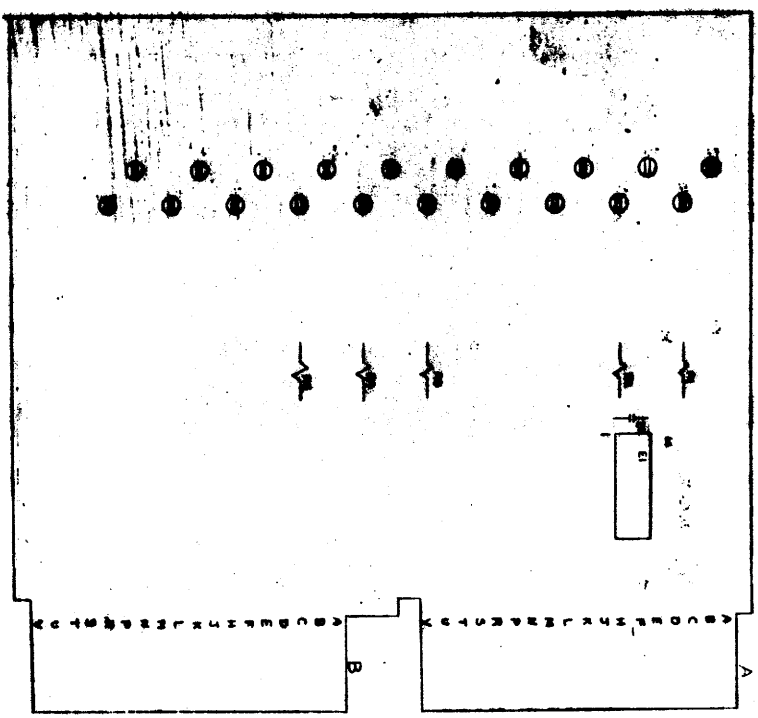
○---○ INDICATES OPTIONAL JUMPER



UNIT	DESCRIPTION	QUANTITY	REMARKS
1	SELECT, ECHO, TMR	1	
2	SELECT, ECHO	1	
3	SELECT, ECHO	1	
4	SELECT, ECHO	1	
5	SELECT, ECHO	1	
6	SELECT, ECHO	1	
7	SELECT, ECHO	1	
8	SELECT, ECHO	1	
9	SELECT, ECHO	1	
10	SELECT, ECHO	1	
11	SELECT, ECHO	1	
12	SELECT, ECHO	1	
13	SELECT, ECHO	1	
14	SELECT, ECHO	1	
15	SELECT, ECHO	1	
16	SELECT, ECHO	1	
17	SELECT, ECHO	1	
18	SELECT, ECHO	1	
19	SELECT, ECHO	1	
20	SELECT, ECHO	1	
21	SELECT, ECHO	1	
22	SELECT, ECHO	1	
23	SELECT, ECHO	1	
24	SELECT, ECHO	1	
25	SELECT, ECHO	1	
26	SELECT, ECHO	1	
27	SELECT, ECHO	1	
28	SELECT, ECHO	1	
29	SELECT, ECHO	1	
30	SELECT, ECHO	1	
31	SELECT, ECHO	1	
32	SELECT, ECHO	1	
33	SELECT, ECHO	1	
34	SELECT, ECHO	1	
35	SELECT, ECHO	1	
36	SELECT, ECHO	1	
37	SELECT, ECHO	1	
38	SELECT, ECHO	1	
39	SELECT, ECHO	1	
40	SELECT, ECHO	1	
41	SELECT, ECHO	1	
42	SELECT, ECHO	1	
43	SELECT, ECHO	1	
44	SELECT, ECHO	1	
45	SELECT, ECHO	1	
46	SELECT, ECHO	1	
47	SELECT, ECHO	1	
48	SELECT, ECHO	1	
49	SELECT, ECHO	1	
50	SELECT, ECHO	1	
51	SELECT, ECHO	1	
52	SELECT, ECHO	1	
53	SELECT, ECHO	1	
54	SELECT, ECHO	1	
55	SELECT, ECHO	1	
56	SELECT, ECHO	1	
57	SELECT, ECHO	1	
58	SELECT, ECHO	1	
59	SELECT, ECHO	1	
60	SELECT, ECHO	1	
61	SELECT, ECHO	1	
62	SELECT, ECHO	1	
63	SELECT, ECHO	1	
64	SELECT, ECHO	1	
65	SELECT, ECHO	1	
66	SELECT, ECHO	1	
67	SELECT, ECHO	1	
68	SELECT, ECHO	1	
69	SELECT, ECHO	1	
70	SELECT, ECHO	1	
71	SELECT, ECHO	1	
72	SELECT, ECHO	1	
73	SELECT, ECHO	1	
74	SELECT, ECHO	1	
75	SELECT, ECHO	1	
76	SELECT, ECHO	1	
77	SELECT, ECHO	1	
78	SELECT, ECHO	1	
79	SELECT, ECHO	1	
80	SELECT, ECHO	1	
81	SELECT, ECHO	1	
82	SELECT, ECHO	1	
83	SELECT, ECHO	1	
84	SELECT, ECHO	1	
85	SELECT, ECHO	1	
86	SELECT, ECHO	1	
87	SELECT, ECHO	1	
88	SELECT, ECHO	1	
89	SELECT, ECHO	1	
90	SELECT, ECHO	1	
91	SELECT, ECHO	1	
92	SELECT, ECHO	1	
93	SELECT, ECHO	1	
94	SELECT, ECHO	1	
95	SELECT, ECHO	1	
96	SELECT, ECHO	1	
97	SELECT, ECHO	1	
98	SELECT, ECHO	1	
99	SELECT, ECHO	1	
100	SELECT, ECHO	1	



61000005
AC2 BE2
AK2 BL2
AT2



Pin	Signal	Color	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	...	...	...
25	...	...	...

DATA CABLE CONNECTOR

