TU10 DECmagtape
engineering drawings
(all variations)

digital equipment corporation · maynard, massachusetts

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE	
DRAWING DIRECTORY	B-DD-TUIØA-Ø
TAPE DRIVE ASSY	D-UA-TUIØA-Ø-Ø
CONN PANEL ASSY	D-AD-7008795-Ø-0
POWER PANEL ASSY	D-AD-7008887-0-0
POWER PANEL ASSY (PL)	A-PL-7008887-0-0
MASTER LIST (TUIØ)	A-ML-TUIØ-Ø-Ø
~~DRAWING INDEX~~	~~D-DI-TUIØ-Ø-Ø~~
TAPE TRANSPORT ASSY	D-UA-TUIØ-Ø-Ø
TAPE TRANSPORT ASSY (PL)	C-PL-TUIØ-Ø-Ø
Wire List (TU10A)	K-WL-TU10A-Ø-5

MFG SET

SEQUENCE	
TAPE DRIVE ASSY	D-UA-TUIØA-Ø-Ø
CONN PANEL ASSY	D-AD-7008795-0-0
POWER PANEL ASSY	D-AD-7008887-0-0
POWER PANEL ASSY (PL)	A-PL-7008887-0-0
LOGO ASSY	D-IA-7407936-0-0
MASTER LIST	A-ML-TUIØ-Ø-Ø
DRAWING INDEX	D-DI-TUIØ-Ø-1
TAPE TRANSPORT ASSY	D-UA-TUIØ-Ø-Ø
TAPE TRANSPORT ASSY (PL)	C-PL-TUIØ-Ø-Ø
OFF-LINE CHECKOUT PROCEDURE	A-SP-TUIØA-Ø-1
ON-LINE CHECKOUT PROCEDURE	A-SP-TUIØA-Ø-2
ACCEPTANCE TEST PROCEDURE	A-SP-TUIØA-Ø-3
ACCESSORY LIST	A-SP-TUIØA-Ø-4

UNIT VARIATIONS

VARIATION	TITLE	PRINT SET TYPE: TUIØA-Ø
TUIØA-EE	TAPE DRIVE ASSEMBLY 9 CHAN 6Ø HZ	X
TUIØA-EJ	TAPE DRIVE ASSEMBLY 9 CHAN 5Ø HZ	X
TUIØA-FE	TAPE DRIVE ASSEMBLY 7 CHAN 6Ø HZ	X
TUIØA-FJ	TAPE DRIVE ASSEMBLY 7 CHAN 5Ø HZ	X

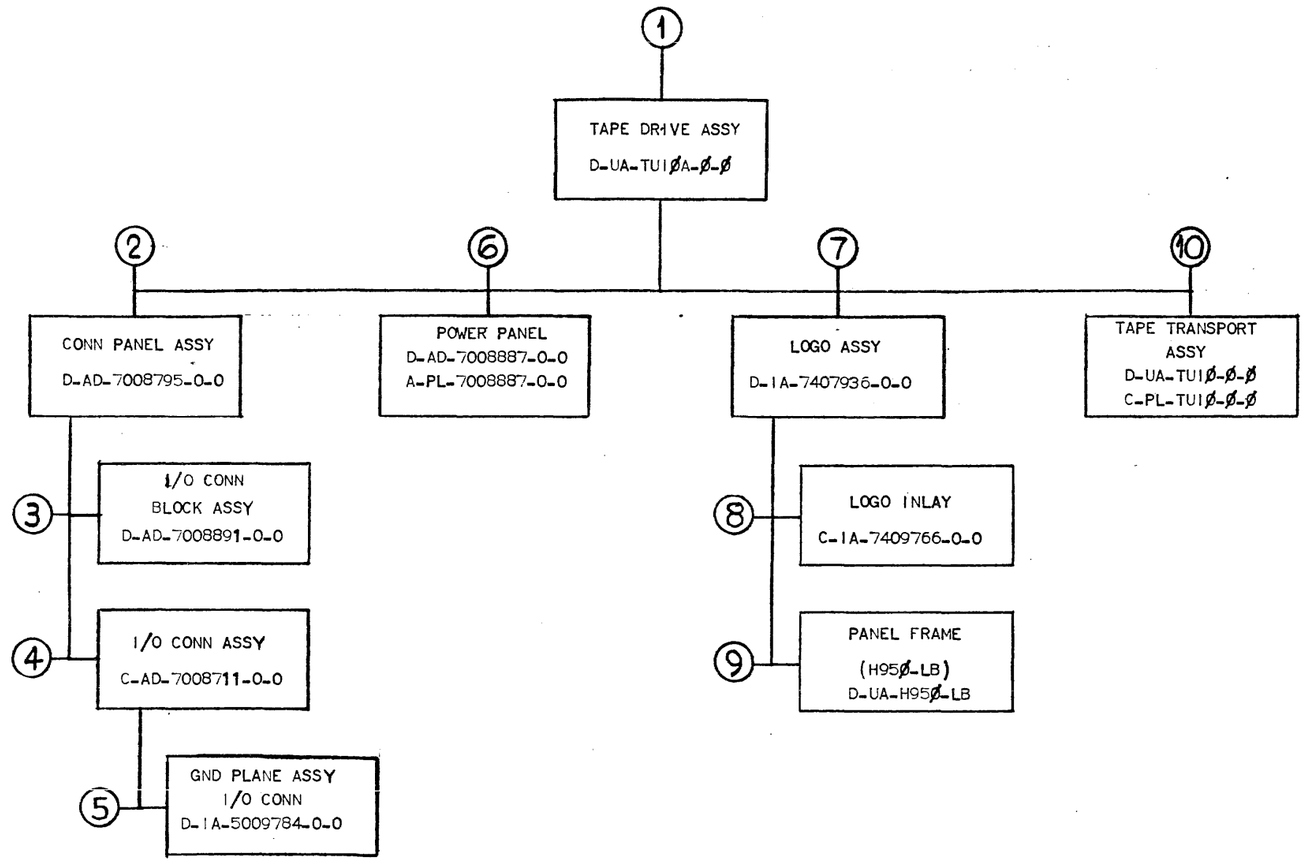
REVISIONS	REV	CHG. NO.	DATE
	A	TUIØA-3	6-1-72
	B	TUIØA-4	6/72

USED ON OPTION/MODEL	
TUIØA	

DRN. V. SOUZA	DATE 4/26/72	TITLE TAPE DRIVE ASSY
CHK'D. PMR	DATE 4/30/72	
~~PROJ ENG.~~	DATE 4-28-72	
PROD.	DATE	SIZE B / CODE DD / NUMBER TUIØA-Ø / REV 6
FIELD SERV.	DATE	
SHEET 1 OF 4		DIST

DRB 106

DEC 16-(325)-1062-1-N871



TITLE		SIZE	CODE	NUMBER	REV
TAPE DRIVE ASSEMBLY	SHEET 2 OF 4	B	DD	TU1ØA-Ø	F

ELECTRICAL

CUSTOMER PRINT SET TUIØA-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
	X		A-SP-TUIØA-Ø-1		5	OFF-LINE CHECKOUT PROCEDURE	
	X		A-SP-TUIØA-Ø-2		6	ON-LINE CHECKOUT PROCEDURE	
	X		A-SP-TUIØA-Ø-3		2	ACCEPTANCE TEST PROCEDURE	
	X		A-SP-TUIØA-Ø-4		1	ACCESSORY LIST	
C			A-ML-TUIØ-Ø-Ø		4	MASTER DRAWING LIST	TUIØ-Ø
C			~~D-DI-TUIØ-Ø-1~~		~~3~~	~~DRAWING INDEX~~	~~TUIØ-Ø~~
C	C		K-WL-TUIØA-Ø-5		1	Wire List (TUIØA)	

MECHANICAL

CUSTOMER PRINT SET TUIØA-Ø	MFG SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X	X	1.	D-UA-TUIØA-Ø-Ø	A	1	TAPE DRIVE ASSEMBLY	
	X		B-DC-5308753-0-0		1	DECAL 21 POINT BLK/CLR	
	X		B-DC-5308754-0-0		1	DECAL 21 POINT BLK/CLR	
			D-UA-BCØ9B-6-Ø		1	(M9Ø4-M9Ø4) CABLE ASSY	
X	X	2.	D-AD-7008795-0-0	A	2	CONN PANEL ASSY	
			C-MD-9305502-0-0		1	BLOCK GAGE	
			B-DC-5308753-0-0		1	DECAL 21 POINT WHT/CLR	
	X	3.	D-AD-7008891-0-0		1	I/O CONN BLOCK ASSY	
			C-MD-7409695-0-0		1	PLATE MTG	
			B-MD-5010119-0-0		1	108 PIN PROTECTION SHEET	
			B-MD-5010052-0-0		1	108 PIN GND PLANE	
		4.	C-AD-7008711-0-0			I/O CONN GND PLANE ASSY	
			A-SP-K11Ø-Ø-4			PROCESS SHEET I/O CONN	
			FIXTURE DWG REF				
			E-AD-9305449-0-0		1	OVEN FIXTURE I/O CONN	
			C-MD-9605659-0-0		1	I/O CONN GND LOCATING PLATE	
			B-MD-9305448-0-0		1	PIN GND PLANE LOCATING	
		5.	D-IA-5009784-0-0		1	GND PLANE ASSY I/O CONN	
			D-SC-121044[illegible]-0-0		1	GND PLANE	
			D-SS-5009784-0-0		1	SILK SCREEN	
			A-SP-K11Ø-Ø-2		1	PROCESS SPEC	
X	X	6.	D-AD-7008887-0-0		2	POWER PANEL (TUIØA)	
X	X		A-PL-7008887-0-0		2	POWER PANEL (TUIØA)	
			D-IA-7409685-0-0		1	CHASSIS POWER PANEL	
			D-MD-7409686-0-0		1	COVER POWER PANEL	

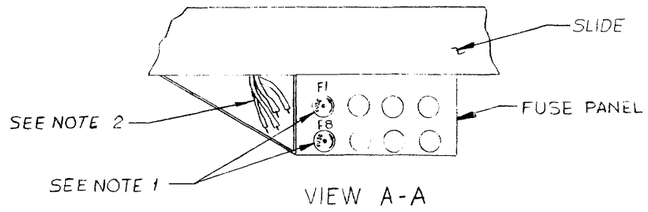
TITLE		SIZE	CODE	NUMBER	REV
TAPE DRIVE ASSY	SHEET 3 OF 4	B	DD	TUIØA-Ø	F

DRB 108

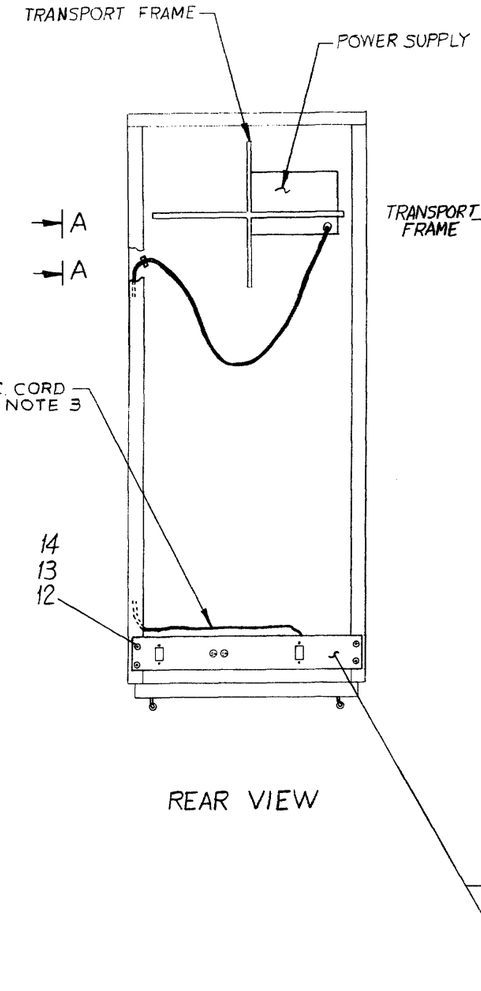
CUSTOMER PRINT SET							MECHANICAL							CUSTOMER PRINT SET								MECHANICAL					
TUIØA-Ø							MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.									MFG SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
							X	7.	D-IA-7407936-0-0			LOGO ASSEMBLY (TUIØA)																
								8.	C-IA-7409766-0-0			LOGO INLAY (TUIØA)																
									C-SS-7408766-C-1			SILK SCREEN																
									C-SS-7409766-0-2			SILK SCREEN																
									C-SS-7409766-0-3			SILK SCREEN																
								9.	D-UA-H95Ø-LB			PANEL FRAME H95Ø-LB	H95Ø																
X								10.	D-UA-TUIØ-Ø-Ø		1	TAPE TRANSPORT ASSY	TUIØ-Ø																
X									C-PL-TUIØ-Ø-Ø			TAPE TRANSPORT ASSY (PL)																

TITLE		SIZE	CODE	NUMBER	REV
TAPE DRIVE ASSY	SHEET 4 OF4	B	DD	TUIØA-Ø	B

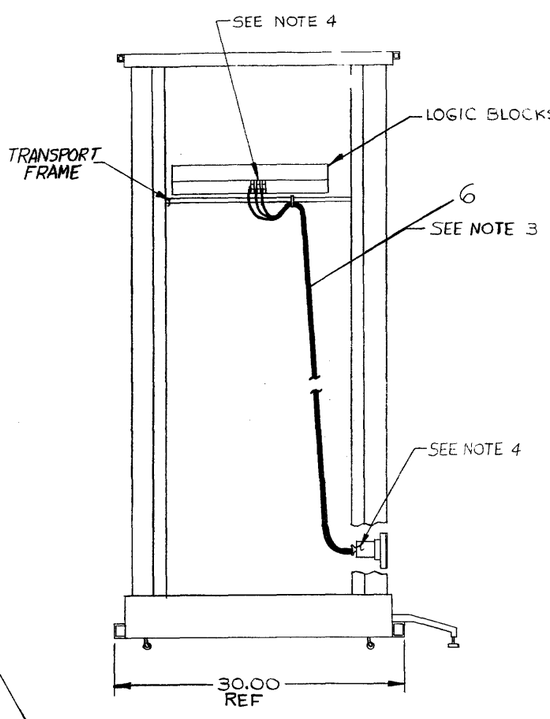
DRB 108



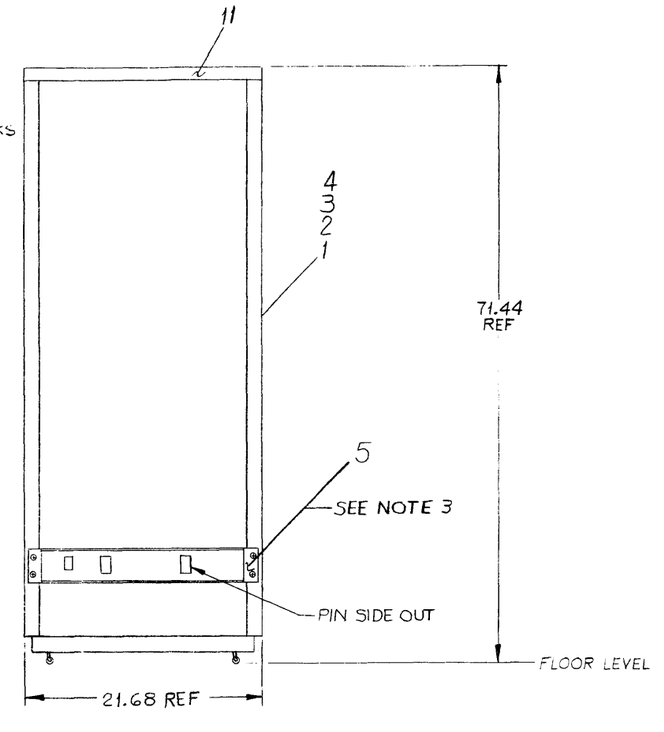
VIEW A-A



REAR VIEW



LEFT SIDE VIEW



FRONT VIEW

NOTE: TRK=TRACK

NOTES:

1. REMOVE F1 & F8. PLUG HOLES WITH FASTENER, DOT (ITEM "16)
2. SPLICE TWO WHITE WIRES WITH (ITEM "15) AND FASTON SOLDERLESS CONN (ITEM "17) SPLICE TWO RED WIRES THE SAME WAY
3. REFER TO A SP-TUIØA-Ø-1 FOR INSTALLATION
4. FOR LOCATION OF DECALS (ITEM 9&10) TO BE INSTALLED ON CABLE ASSY (ITEM "5) REFER TO DWG D-AD-7008795-0-0

LOCATION OF TINNERMAN NUTS (ITEM "12)	
LOCATE ALL NUTS BY COUNTING HOLES UP FROM BOTTOM OF CAB FRAME	
FRONT HOLE NUMBERS	
FRONT: 10,14	REAR: 3,6

QTY				DESCRIPTION	PART NO	ITEM NO.
4	4	4	4	CONN, SOLDERLESS (ARKLESS #50902)	9007917	17
2	2	2	2	FASTENER, DOT (#48152)	9007060	16
2	2	2	2	WIRE SPLICE (ARKLESS #34203)	9008091	15
A/R	A/R	A/R	A/R	SCREW, PHL HD TRUSS #10-32 X 5/8 LG	9006074-3	14
A/R	A/R	A/R	A/R	LOCKWASHER EXT. TOOTH #10	9007651	13
A/R	A/R	A/R	A/R	TINNERMAN NUT #10-32	9007786	12
1	1	1	1	LOGO ASSY	D-IA-7407936-24	11
A/R	A/R	A/R	A/R	21 POINT DECAL (BLK/CLR)	B-DC-5308754-0-0	10
A/R	A/R	A/R	A/R	21 POINT DECAL (BLK/CLR)	B-DC-5308753-0-0	9
1	-	1	-	POWER PANEL (TUIØA)	D-AD-7008887-0-2	8
-	1	-	1	POWER PANEL (TUIØA)	D-AD-7008887-0-1	7
3	3	3	3	CABLE ASSY (M9Ø4-M9Ø4)	D-UA-BCØ8B-6-Ø	6
1	1	1	1	CONN PANEL ASSY	D-AD-7008795-0-0	5
1	-	-	-	7 TRK SLAVE 23ØV 5ØHZ (TUIØ-FJ)	D-UA-TUIØ-Ø-Ø	4
-	1	-	-	7 TRK SLAVE 115V 6ØHZ (TUIØ-FE)	D-UA-TUIØ-Ø-Ø	3
-	-	1	-	9 TRK SLAVE 23ØV 5ØHZ (TUIØ-EJ)	D-UA-TUIØ-Ø-Ø	2
-	-	-	1	9 TRK SLAVE 115V 6ØHZ (TUIØ-EE)	D-UA-TUIØ-Ø-Ø	1

PARTS LIST

TUIØA-FJ
TUIØA-FE
TUIØA-EJ
TUIØA-EE

QUANTITY/VARIATION

FIRST USED ON OPT/MOD: TUIØA

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± FRACTIONS ± ANGLES ±
FINAL SURFACE QUALITY TO REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL:

FINISH

DRN. DATE
CHK'D. DATE
ENG. DATE
PROJ. ENG. DATE
PROD. DATE

NEXT HIGHER ASSY: B-DD-TUIØA-Ø-Ø

SCALE:

digital EQUIPMENT CORPORATION

TITLE: TAPE DRIVE ASSEMBLY

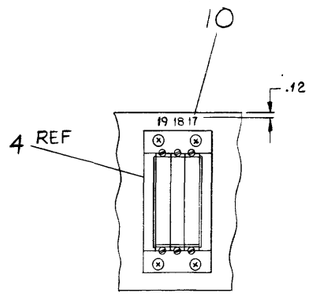
SIZE D | CODE UA | NUMBER TUIØA-Ø-Ø | REV A

DIST

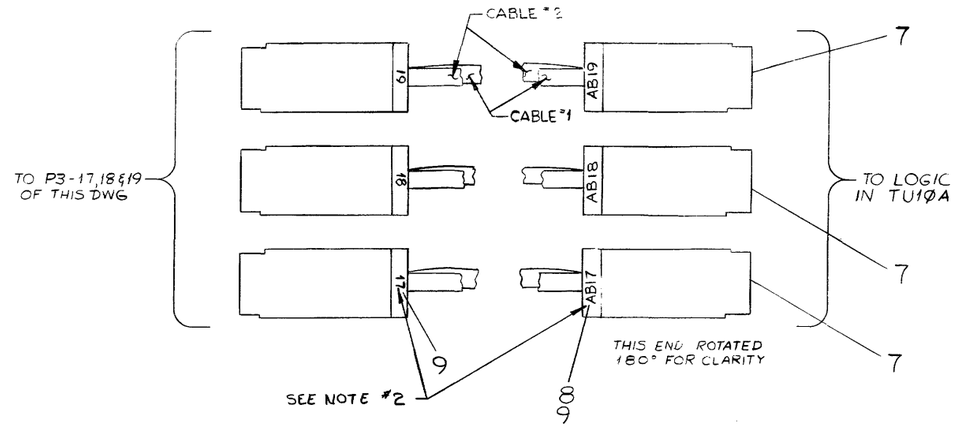
REVISION	CHANGE	BY	DATE
A			27-72

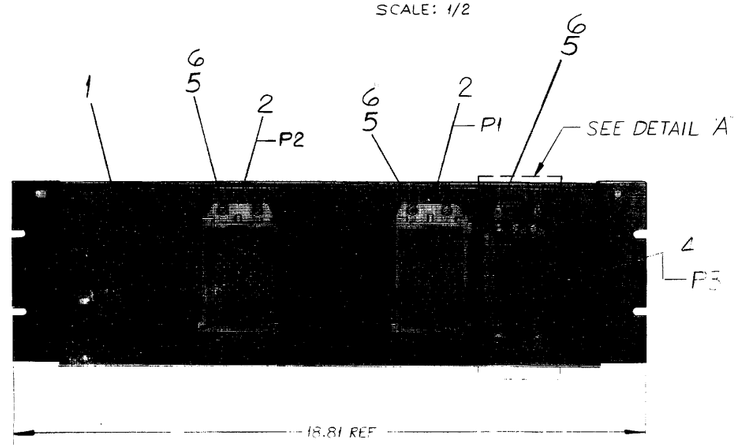
NOTES:

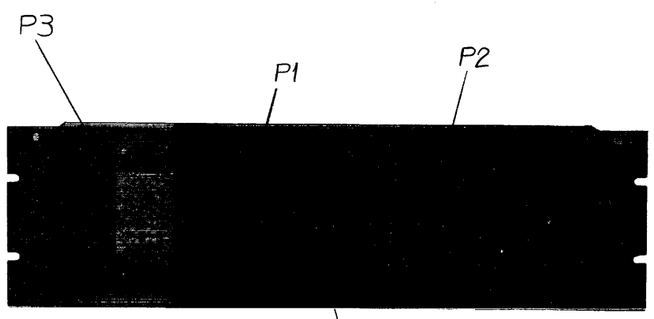
1. CONN P1 P2 & P3 ARE TO BE WIREWRAPPED ACCORDING TO TUIØA QKLAT NUMERICAL CONTROL WIRE WRAP PROGRAM
2. M904 BOARDS ARE TO BE LABELED AS SHOWN (17,18,19 AB17, AB18 & AB19) USING ITEMS 8 & 9, AT INSTALLATION. ALSO LABEL PANEL WHERE SHOWN IN DETAIL "A".
3. ASSEMBLE CONNECTORS P1 & P2 TO PANEL WITH ALIGNMENT FIXTURE #9305469, ASSEMBLE CONNECTOR P3 WITH GAGE BLOCK C-MD-9305502-0-0 BETWEEN P1 & P3.
4. USE NC PALLET E-IA-9605795 FOR WIRE WRAPPING



DETAIL A
SCALE: 1/2







REF	WIRE LIST		
A/R	21 POINT DECAL WHT/CLR	B-DC-5308753-0-0	10
A/R	21 POINT DECAL BLK/CLR	B-DC-5308753-0-0	9
A/R	21 POINT DECAL BLK/CLR	B-DC-5308754-0-0	8
REF	CABLE, FLAT CO-AX M904-M904	D-UA-BCØ8B-6-Ø	7
12	SCR PHIL HD PAN #8-32 X 1/2 LG	9006039-1	6
12	WASHER EXT TOOTH LOCK #8	9008270	5
1	I/O CONN BLOCK ASSEMBLY	D-AD-7008891-0-0	4
A/R	30 AWG BLK/WHT TWP KYNAR	9107720-09	3
2	I/O CONN ASSEMBLY	C-AD-7008711-0-0	2
1	I/O CONN PANEL	D-IA-7409568-0-0	1

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

FIRST USED ON OPTION/MODEL: TUIØA

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
XXX = .005 XX = .02 X = .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓

MATERIAL: //

FINISH: //

DRN. K.C. Ludgate	DATE 3-31-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHK'D. Louis Carpinito	DATE 4-6-72	
ENG. M. Marchand	DATE 4-7-72	
PROJ ENG. D. Sullivan	DATE 4-6-72	
PROD. M. Lowe	DATE 4-11-72	

TITLE: CONN PANEL ASSY

NEXT HIGHER ASSY. D-UA-TUIØA-Ø-Ø

SIZE D | CODE AD | NUMBER 7008795-0-0 | REV A

SCALE: //

SHEET 1 OF 2

DIST. G

REVISIONS		
REV	CHANGE NO	CHK
A	TUIØA-00001	
	REDRAWN & REVISED	

DEC FORM 105
DRC 100-1

TU1ØA QKLAT SIGNAL NAME AID

TU1ØA SIGNAL NAME	P3 ASSY PIN NO.	TU1ØA SIGNAL NAME	P3 ASSY PIN NO.	TU1ØA SIGNAL NAME	P3 ASSY PIN NO.
WD B/2 (1)	17B1	TB WRITE LPCC (B)	17S2	TB WRL/TB UNLOAD	18K2
A/3 (1)	D1	TB ENABLE MOTION DLY (B)	17T2	RWS/TB WRITING	M2
B/4 (1)	E1	T SET TAPE FUNCTION	17V2	7CH	P2
4/5 (1)	H1	RD B/2 (1)	18B1	556 CLK	S2
2/6 (1)	J1	A/3 (1)	D1	8ØØ CLK	T2
1/7 (1)	L1	B/4 (1)	E1	READ SKEW OVER	18V2
PARITY	M1	4/5 (1)	H1	2ØØ DEN	19D2
Ø/1 (1)	P1	2/6 (1)	J1	556 DEN	E2
WD Ø/Ø (1)	S1	1/7 (1)	L1	8ØØ DEN	H2
T RECORD DATA (B)	D2	BP (1)	M1	SET DWN (B)	K2
TB SEL Ø (B)	E2	Ø/1 (1)	P1	TUR (B)	M2
SEL 1 (B)	H2	RD Ø/Ø (1)	S1	START DLY	P2
SEL 2 (B)	K2	TB SP REV	D2	SPARE	S2
MOVE (B)	M2	TB BOT/TB FWD	E2	SPARE	T2
TB START (B)	17P2	TB EOT/TB REWIND	18H2	TB SPARE	19V2

NOTE: THIS IS NOT TO BE USED AS A WIRING TABLE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU1ØA		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES: DECIMALS XXX = .005, .XX = .02; ANGLES ±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —//—

FINISH —//—

DRN.	DATE	3-31-72
CHK'D.	DATE	4-6-72
ENG.	DATE	
PROJ. ENG.	DATE	
PROD.	DATE	

NEXT HIGHER ASSY.

SCALE —//—

SHEET 2 OF 2

DIST

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: CONN PANEL ASSY

SIZE	CODE	NUMBER	REV.
D	AD	7008795-0-0	A

REVISION	CHANGE #	CHK
REV.		

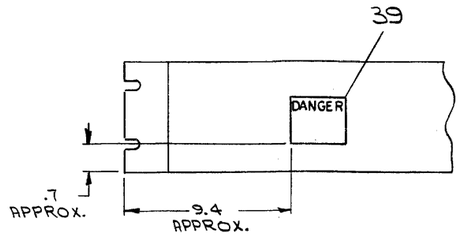
DEC FORM NO. [illegible]

SIZE D | CODE AD | NUMBER 7008795-0-0 | REV A

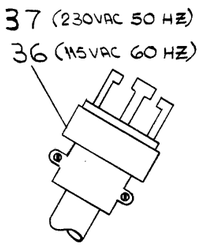
REV	NUMBER	SIZE	CODE
0-0	7008887-0-0	D	AD

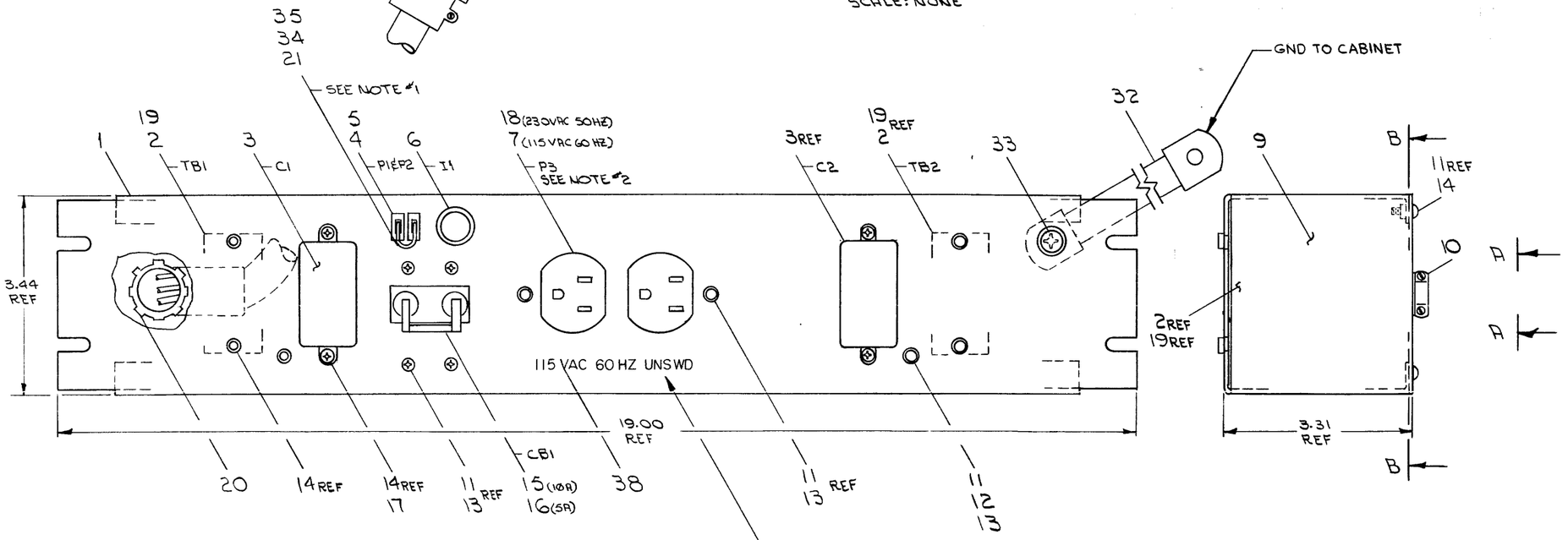
LEGEND	
NUMBER	VARIATION
7008887-1	115V 60HZ
7008887-2	230V 50HZ

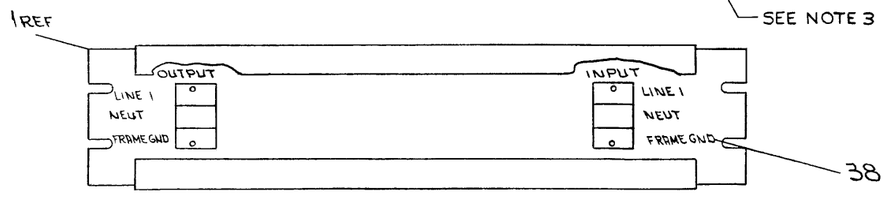
NOTES:
1. ITEMS #21,34&35 TO BE REMOVED FOR 230V OPERATION.
2. ASSEMBLE ITEM #22(TAB) TO ITEM #7 OR 18 (RECEPTACLE) BEFORE INSTALLATION TO ITEM #1 (CHASSIS).
3. FOR 50 HZ OPERATION REPLACE DECAL INDICATED WITH "UNSWD 230VAC 50 HZ"
4. CUT INSULATION BACK 6" BEFORE ATTACHING ITEM 36 OR 37 AT ASSY



VIEW A-A
SCALE: NONE







VIEW B-B (COVER ITEM #9 DELETED)

REVISIONS	REV.	CHANGE NO.	CHK.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØA		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
.XXX = .005 .XX = .02 .X = .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —//—

FINISH —//—

		DATE
DRN.	[illegible]	2/10/72
CHK'D.	[illegible]	4/19/72
ENG.	[illegible]	4/20/72
PROJ. ENG.		DATE
PROD.	[illegible]	DATE

NEXT HIGHER ASSY. D-UA-TUIØA-Ø-Ø

SCALE NONE

SHEET 1 OF 2

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE
POWER PANEL
(TUIØA)

SIZE	CODE	NUMBER	REV.
D	AD	7008887-0-0	

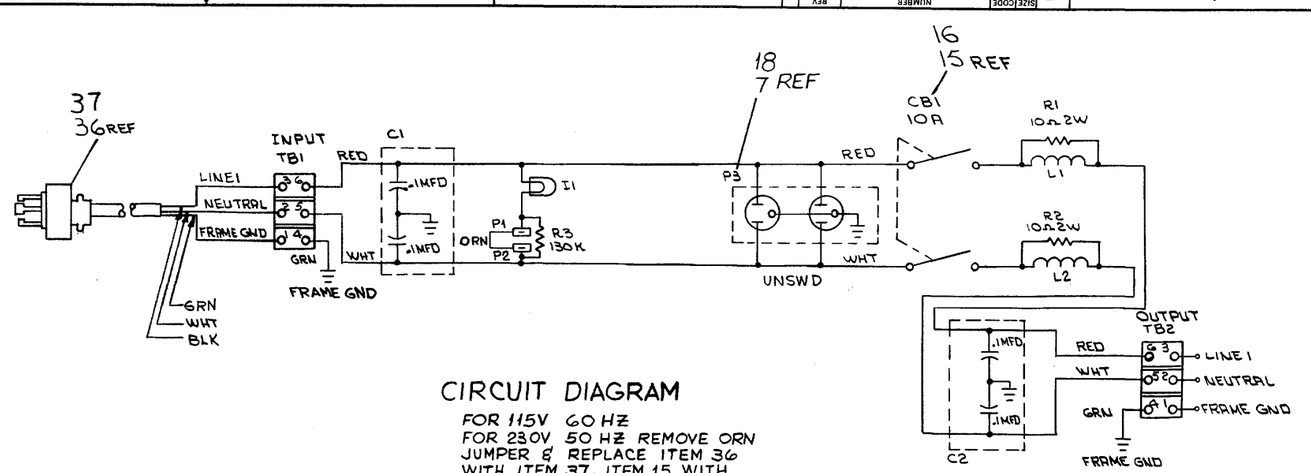
DIST. S

DEC FORM NO 12R3 190-A

REV -0 NUMBER 7008887-0-0 SIZE D CODE AD

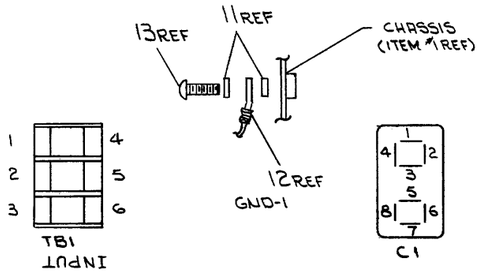
WIRE TABLE

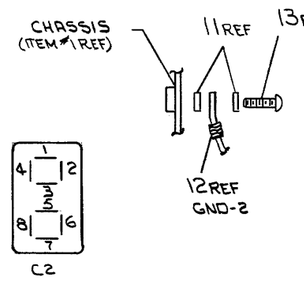
ITEM NO.	DESCRIPTION AWG	COLOR	FROM CONNECTION	WITH	TO CONNECTION	WITH	REMARKS
26	14	GRN	TB1-4	21	P3-3	21,22	SEE NOTE #2
26	14	GRN	TB1-4	21	GND-1	11,12	
24	14	WHT	TB1-5	21	C1-5	21	
25	14	RED	TB1-6	21	C1-4	21	
6	—	RED	C1-2	21	I1-2	—	
25	14	RED	CB1-4	21	P3-2	21	
24	14	WHT	C1-6	21	P1	SOLD	
30	—	BLK	R3-1	28			
	—	BLK	R3-2	28	P2	SOLD	
6	—	BLK	I1-1	—			
24	14	WHT	CB1-1	21, 8	L1-1	23, 28	
					R1-1		
25	14	RED	CB1-2	21, 8	L2-1	23, 28	
					R2-1		
26	14	GRN	P3-3	21,22	TB2-1	21	SEE NOTE #2
24	14	WHT	P3-5	21	CB1-3	21	
29	—	BLK	R2-2	28	C2-8	23	
31,24	—	WHT	L2-2	21			
31,25	14	RED	L1-2	23	C2-4	23	
28	—	BLK	R1-2				
25	14	RED	C1-1	21	P3-1	21	
24	14	WHT	C1-8	21	P3-4	21	
25	14	RED	C2-2	21	TB2-3	21	
24	14	WHT	C2-6	21	TB2-2	21	
26	14	GRN	TB2-1	21	GND-2	11,12	
36	—	GRN	———	—	TB1-1		SEE NOTE #4
	—	WHT	———	—	TB1-2		
	—	BLK	———	—	TB1-3	—	
34	18	ORN	P1	21,35	P2	21,35	SEE NOTE #1



CIRCUIT DIAGRAM

FOR 115V 60 HZ
FOR 230V 50 HZ REMOVE ORN
JUMPER & REPLACE ITEM 36
WITH ITEM 37, ITEM 15 WITH
ITEM 16 & ITEM 7 WITH ITEM 18





FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØA		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: XXX ± .005, XX ± .02 — ANGLES: ± 0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓
MATERIAL —"—
FINISH —"—

DRN. — DATE 7/18/72
CHK'D. — DATE 7/19/72
ENG. — DATE 4/20/72
PROJ. ENG. — DATE
PROD. — DATE

NEXT HIGHER ASSY. D-UA-TUIØA-Ø-Ø

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: POWER PANEL (TUIØA)

SIZE	CODE	NUMBER	REV.
D	AD	7008887-0-0	

SCALE NONE
SHEET 2 OF 2
DIST. G

REV. 7008887-0-0 — SIZE D CODE AD — 2

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P.J. LEBLANC	CHECKED D.HEALY	SECTION 1
DATE 21 MAR. 72	DATE 3/24/72	
ENG L. Carpenito	PROD Jerry Hoyt	ISSUED SECT. 1
DATE 4/20/72	DATE 4-20-72	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7008887-1	7008887-2
1	D-IA-7409685-0-0	CHASSIS, POWER PANEL	1	1
2	1209158-1	TERM. BLOCK 3 SEC #529 BUCHANAN	6	6
3	1002153	CAP 2X .1MFD 1000 VDC	2	2
4	900723**4**	JUNCTION TERM. BUSH. (HEYMAN) ORN.	2	2
5	9007238	TAB, HEYMAN #T-202-S	2	2
6	1201280	LAMP #1020 C55 125V RED LENS IND DEV	1	1
7	1205351	RECEPTACLE DBL #10103 (115V 15A) A.H.	1	-
8	9008091	WIRE SPLICE #34203 ARK-LESS	2	2
9	D-MD-7409686-0-0	COVER, POWER PANEL	1	1
10	9008280	CONN. ROMEX 3/8'' EFCOR #1111DC	1	1
11	9006633	WASHER INT TOOTH LOCK #6	18	18
12	9007928	SOLD. CONN #50364 ARK-LESS (BLU)	2	2
13	9008020-1	SCR PHL HD PAN #6-32 X 3/16 LG	8	8
14	9006020-1	SCR PHL HD PAN #6-32 X 1/4 LG	14	14
15	1210191-0	CKT BKR 10A2PM #52MC2123-10 (240V)	1	-
16	1210191-1	CKT BKR 5A2PM #52MC2123-5 (240V)	-	1
17	9006560	NUT KEPS #6-32	4	4
18	9008856	RECEPTACLE DBL #10122 (240V 15A) A.H.	-	1
19	1209158-2	END SECTION #530 BUCHANAN	2	2
20	9007803	90° ANGLE #2202 1/2" SIZE	1	1
21	9007917-0	SOLD CONN #50902 ARK-LESS (RED)	34	32
22	9007112	FASTON TAB #60145-1 AMP	2	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
POWER PANEL (TU1Ø-A)	D-AD-7008887-0-0	A	PL	7008887-0-0		
	SHEET 1 OF 2	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P.J.LEBLANC	CHECKED D. HEALY	SECTION 1
DATE 21 MAR 72	DATE 3/24/72	
ENG L. Carpenito	PROD Jerry Hoyt	ISSUED SECT. 1
DATE 4/20/72	DATE 4-20-72	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7008887-1	7008887-2
23	9007919-0	SOLD CONN #50906 ARK-LESS (BLU)	2	2
24	9107370-99	WIRE #14 AWG STRD TEF INS. WHT	A/R	A/R
25	9107370-22	WIRE #14 AWG STRD TEF INS. RED	A/R	A/R
26	9107370-55	WIRE #14 AWG STRD TEF INS. GRN	A/R	A/R
27	9107370-00	WIRE #14 AWG STRD TEF INS BLK	A/R	A/R
28	9107278-00	TUBING #18 AWG BLK.	A/R	A/R
29	1300172	RESISTOR 10Ω 2W 10% CC	2	2
30	1305604	RESISTOR 130K 1W 5% CC	1	1
31	1605147	FERRITE TUBE #56-261-30-3B	2	2
32	9008887	GROUND STRAP 11" LG.	1	1
33	9006055-1	SCR PHL HD PAN #1/4-20 X 3/8 LG.	1	1
34	9107360-33	WIRE #18AWG STRD TEF INS ORN	A/R	-
35	9107305-22	TUBING RED SHRINKABLE #14 X 9/16	A/R	-
36	7005128	CABLE,POWER 25FT. 60HZ	1	-
37	7006419	CABLE, POWER 25FT. 50HZ	-	1
38	A-DC-7409717-0-0	DECALS	A/R	A/R
39	3610267	HIGH VOLTAGE LABEL 2 1/16 X 2 1/16	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
POWER PANEL (TU1Ø-A)	D-AD-7008887-0-0	A	PL	7008887-0-0		
	SHEET 2 OF 2	DIST.				

MASTER DRAWING LIST

MAINTENANCE MANUALS NO.	TITLE	UNIT VARIATIONS: TU1Ø-EA	TU1Ø-EB	TU1Ø-EC	TU1Ø-ED	TU1Ø-EE	TU1Ø-EF	TU1Ø-EH	TU1Ø-EJ	TU1Ø-FA	TU1Ø-FB	TU1Ø-FC	TU1Ø-FH	TU1Ø-FE	TU1Ø-FF	TU1Ø-FH	TU1Ø-FJ
TU1Ø-M	(MASTER UNIT)	X	X	X	X	-	-	-	-	X	X	X	X	-	-	-	-
TU1Ø-S	(SLAVE UNIT)	-	-	-	-	X	X	X	X	-	-	-	-	X	X	X	X

USED ON OPTIONS

REVISIONS

REV.	DATE	CHG. NO.	APP'D.
A	5/71	00036	J.B.
B	5/71	00037	J.B.
C	5/71	00042	J.B.
D	7/71	00044	aeg
E	7/71	00045	aeg
F	7/71	00047	aeg
H	8/71	00049	aeg
J	8/71	00050	WCS
K	12/71	00051	mwc
L	2/72	00055	J.B.
M	2/72	00056	J.B.
N	2/72	00057	J.B.
P	7/72	00064	J.B.
R	7/72	00065	J.B.
S	7/72	MISC-94	R.B.
T	1/73	TU10-68	J.B.
U	3/73	TU10-72	J.H.
V	4/73	TU10-74	J.B.
W			

DRN. ROBICHAUD	DATE 2-17-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHK'D K. RUSS	DATE 2-18-71	
ENG D. Beaudet	DATE 2-18-71	TITLE
PROJ. ENG J. Baldwin	DATE 2-18-71	TU10 TAPE TRANSPORT
PROD. B.E. Cross	DATE 2-19-71	
FIRST USED ON		SIZE A; CODE ML; NUMBER TU1Ø-Ø; REV. W
SCALE —		
SHEET 1 OF 4		DIST.

PRINT SET TU1Ø-M	PRINT SET TU1Ø-S	DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
X	X	D-UA-TU1Ø-Ø-Ø	E	1	TAPE TRANSPORT ASSY	
X	X	C-PL-TU1Ø-Ø-Ø	E	1	TAPE TRANSPORT ASSY (PL)	
X	X	D-DI-TU1Ø-Ø-1	M	3	DRAWING INDEX TU1Ø	
X	X	D-BS-TU1Ø-Ø-3	B	1	MOTOR CONTROL (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-4	C	2	CONNECTORS & INDICATORS (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-5	B	1	COMMAND LOGIC (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-6	C	1	MOTION LOGIC (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-7	B	1	BUS LOGIC (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-8	B	1	READ WRITE TIMING LOGIC (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-9	B	1	WRITE CIRCUITRY (MASTER/SLAVE)	
X	X	D-BS-TU1Ø-Ø-1Ø	B	1	READ CIRCUITRY (MASTER/SLAVE)	
-	X	D-MU-TU1Ø-Ø-11	C	1	MODULE UTILIZATION (SLAVE)	
-	X	A-PL-TU1Ø-Ø-11	C	1	MODULE UTILIZATION (SLAVE)	
X	-	D-BS-TU1Ø-Ø-12	A	2	MASTER BUS DRIVERS & INTERCONNECTIONS	
X	-	D-CS-M7672-Ø-1	#	2	COMMAND BUFFERS (TU13)	
X	-	D-CS-M891-Ø-1	#	2	CRC & WRITE GATING (TU14)	
X	-	D-CS-M895-Ø-1	#	2	READ TIMING (TU15)	
X	-	D-CS-M892-Ø-1	#	2	GAP TIMING & READ PARITY (TU16)	
X	-	D-CS-M7673-Ø-1	#	2	DATA CHECKER (TU17)	
X	-	A-PL-TU1Ø-Ø-18	A	2		
X	-	D-MU-TU1Ø-Ø-18	A	1	MODULE UTILIZATION (MASTER)	
X	X	D-AD-7006755-0-0	D	1	WIRED ASSY	
X	X	A-PL-7006755-0-0	D	1	WIRED ASSY (PL)	
X	X	K-WL-TU1Ø-Ø-2	H		WIRE LIST	
X	X	A-ML-H73Ø-Ø	#	1	H73Ø POWER SUPPLY	
X	X	D-CS-H730-0-1	#	1	H73Ø POWER SUPPLY SCHEMATIC	H73Ø
X	X	D-UA-H730-0-0	#	4	H73Ø POWER SUPPLY ASSY	H73Ø

TITLE					
TAPE TRANSPORT ASSY	SHEET 2 OF 4	SIZE A	CODE ML	NUMBER TU1Ø-Ø	REV. W

DRA L32

DEC 16-(325)-1048-1 N471

PRINT SET						DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
TU1Ø-M	TU1Ø-S									
X	X					A-PL-H73Ø-Ø-Ø	A	4	H73Ø POWER SUPPLY ASSY	H73Ø
X	X					D-DI-H73Ø-Ø-2	A		DRAWING INDEX	H73Ø
X	X					D-AD-7006756-0-0	#	8	TRANSPORT ASSY	
X	X					A-PL-7006756-0-0	#	8	TRANSPORT ASSY PARTS LIST	
X	X					D-AD-7006757-0-0	#	2	CONTROL BOX ASSY	
X	X					A-PL-7006757-0-0	#	2	CONTROL BOX ASSY (PL)	
X	X					D-AD-7006743-0-0	#	1	UNIT DOOR ASSY	
X	X					A-PL-7006743-0-0	#	2	UNIT DOOR ASSY (PL)	
X	X					C-AD-7006754-0-0	#	1	LOGIC ASSY	
X	X					A-PL-7006754-0-0	#	1	LOGIC ASSY (PL)	
X	X					A-SP-TU1Ø-Ø-19	M	5	TU1Ø ACCEPTANCE CRITERIA	
X	X					A-AL-TU1Ø-Ø-21	B	1	ACCESSORY LIST	
X	X					D-CS-G15Ø-Ø-1	#	1	DUAL GAP HEAD READ AMP.	
X	X					D-CS-G8Ø6Ø-Ø-1	#	1	MAG TAPE COMPRESSOR, 9 TRACK	
X	X					D-CS-G8Ø62-Ø-1	#	1	MAG TAPE PEAK DETECTOR, 9 TRACK	
X	X					D-CS-G8Ø64-Ø-1	#	1	MAG TAPE SLICER 9 TRACK	
X	X					D-CS-G35Ø-Ø-1	#	1	MAG TAPE WRITE DRIVER	
X	X					D-CS-G932-Ø-1	#	1	CAPSTAN SERVO PRE AMP	
X	X					D-CS-G933-Ø-1	#	1	REEL MOTOR AMP.	
X	X					D-CS-G9341-Ø-1	#	1	BRAKE LOGIC	
X	X					D-CS-G934Ø-Ø-1	#	1	BRAKE ACTUATOR	
X	X					D-CS-M514-Ø-1	#	1	TU10 TRANSCEIVER	
X	X					D-CS-M763-Ø-1	#	1	9 TRACK WRITE BUFFER	
X	X					D-CS-M765-Ø-1	#	1	9 TRACK READ BUFFER	
X	X					D-CS-M767-Ø-1	#	1	CLOCK & SKEW DELAY	
X	X					D-CS-M768-Ø-1	#	1	DELAY SELECTOR	

TITLE		SIZE	CODE	NUMBER	REV
TAPE TRANSPORT ASSY	SHEET 3 OF 4	A	ML	TU1Ø-Ø	W

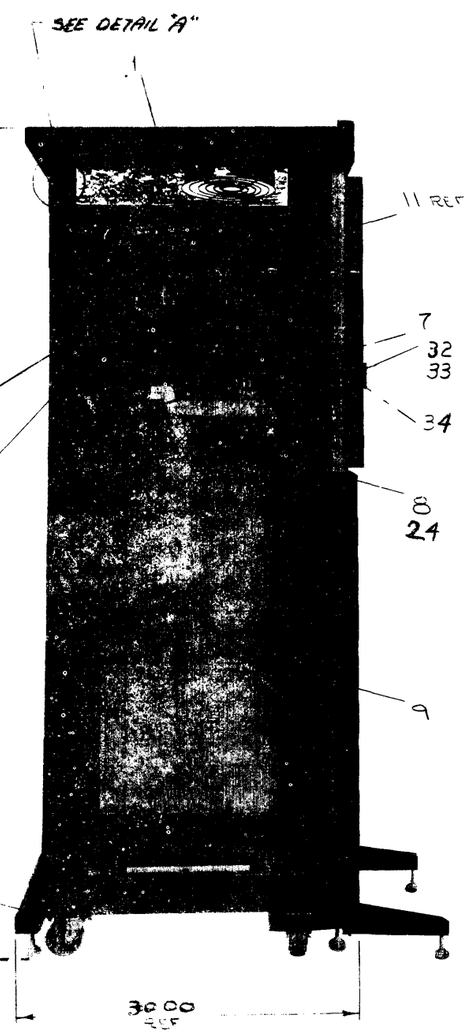
DRA 132

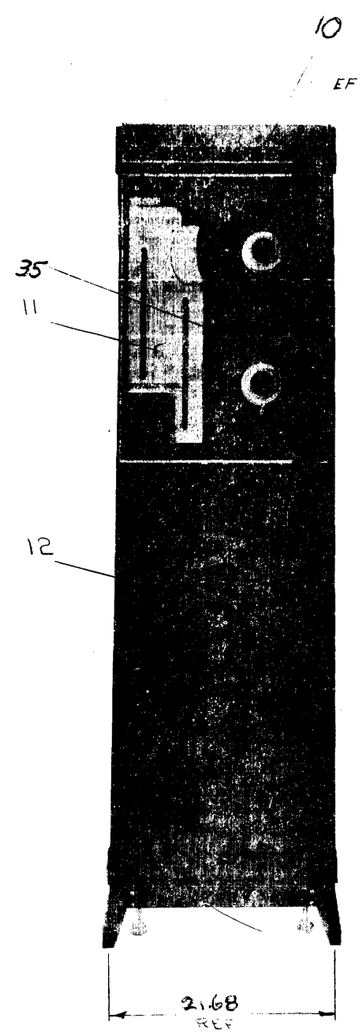
PRINT SET						DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
TU1Ø-M	TU1Ø-S									
X	X					D-CS-M769-Ø-1	#	1	FUNCTION CONTROL	
X	X					D-CS-M89Ø-Ø-1	#	1	MOTION CONTROL	
X	X					D-CS-M767Ø-Ø-1	#	1	FORWARD B.O.T. TIMER	
X	X					D-CS-H6Ø3-C-1	#	1	CAPSTAN SERVO POWER AMPLIFIER	
X	X					D-CS-W726-Ø-1	#	1	SWITCH FILTER	
X	X					C-CS-5408924-Ø-1	#	1	POWER CONTROL	H73Ø
X	X					D-CS-5408928-Ø-1	#	1	VOLTAGE REGULATOR	H73Ø
X	X					B-CS-G7Ø1-Ø-1	#	1	NEG CLAMP LOAD	
X	-					D-CS-M64Ø-Ø-1	#	1	MASTER INTERFACE BUS DRIVER	
X	-					D-CS-M7671-Ø-1	#	1	MASTER SLAVE BUS DRIVER	
X	-					D-CS-M1[illegible]-Ø-1	#	1	SLAVE MASTER BUS DRIVER	
X	-					D-CS-M896-Ø-1	#	1	CRC CHECKER	

TITLE		SIZE	CODE	NUMBER	REV.
TAPE TRANSPORT ASSY	SHEET 4 OF 4	A	ML	TU1Ø-[illegible]	W

DRA 132

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



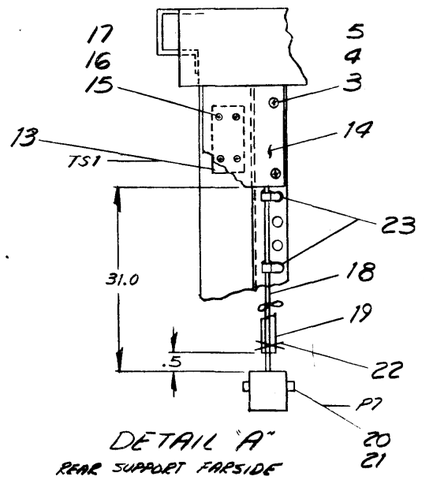


LEGEND	
NUMBER	VARIATION
TUIØ-EA	9TRK MASTER 115V 60HZ
TUIØ-EB	9TRK MASTER 230V 60HZ
TUIØ-EC	9TRK MASTER 115V 50 HZ
TUIØ-ED	9TRK MASTER 230V 50HZ
TUIØ-EF	9TRK SLAVE 115V 60HZ
TUIØ-EF	9TRK SLAVE 230V60HZ
TUIØ EH	9TRK SLAVE 115V 50HZ
TUIØ-EJ	9TRK SLAVE 230V 50 HZ
TUIØ-FA	7 TRK MASTER 115V 60HZ
TUIØ-FB	7 TRK MASTER 230V 60HZ
TUIØ-FC	7 TRK MASTER 115V 50HZ
TUIØ-FD	7 TRK MASTER 230V 50 HZ
TUIØ-FE	7 TRK SLAVE 115V 60 HZ
TUIØ-FF	7 TRK SLAVE 230V 60HZ
TUIØ-FH	7 TRK SLAVE 115V 50HZ
TUIØ-FJ	7 TRK SLAVE 230V 50HZ

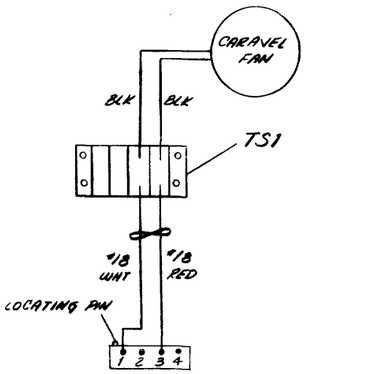
NOTE: TRK=TRACK

NOTES
1. TYPE OF LOGO (ITEM 10) IS TO BE DETERMINED BY SYSTEM REQUIRING TUIØ UNIT.
2. FOR PARTS LIST REFER TO C-PL TUIØ-0-0.

LOCATION OF TINNERMAN NUTS (ITEM 5)	
LOCATE ALL NUTS BY COUNTING HOLES UP FROM BOTTOM OF CABINET FRAME	
FRONT HOLE NUMBERS	
RIGHT SIDE	LEFT SIDE
84,85,86 & 87	84,85,86 & 87
LEFT SIDE HOLE NUMBERS	RIGHT SIDE HOLE NUMBERS
REAR: 84,85,86&87	REAR: 84,85,86&87
FRONT:	FRONT:



DETAIL "A"
REAR SUPPORT FARSIDE



REVISIONS				
REV	CHANGE NO	CHK	DATE	
1				

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

FIRST USED ON OPTION/MODEL: TUIØ

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

DRN		DATE 21 Dec 70
CHK'D		DATE 2-19-71
ENG		DATE 2-23-71
PROJ. ENG		DATE 2-23-71
PROD.		DATE 2-23-71

NEXT HIGHER ASSY: A-ML-TUIØ-0
SCALE: NONE
SHEET 1 OF 1

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: TAPE TRANSPORT TUIØ

SIZE	CODE	NUMBER	REV.
D	UA	TUIØ-0-0	E

DIST.

FEC FORM NO 100

ITEM NO.	PART NO.	DESCRIPTION	EA-0	EB-*	EC-0	ED-*	EE-0	EH-0	EJ-0	FA-0	FB-0	FC-*	FD-*	FE-*	FF-*	FH-*	FJ-*
1	C-PL-7006501-24-0	BASIC CAB, ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	D-UA-H950-BA-*	FULL LENGTH DOOR H950-BA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	9006074-3	SCREW, PHL HD TRUSS #10-32 X 5/8 LG	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4	9007651	LOCK WASHER #10 EXT. TOOTH	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5	9007666	TINNERMAN NUT #10-32	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6	9107673-16	POWER CORD (BLK) 16 FT. LG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	D-IA-7408593-0-0	MODULE HOLD DOWN BAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	D-MU-TU10-*-18	MODULE UTILIZATION	1	1	1	1	–	–	–	–	–	–	–	–	–	–	–
9	D-UA-H952-AA-0	END PANELS, H952-A * *	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
10	D-IA-7407348-0-0	PANEL, LOGO * * *	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	D-AD-7006756-1-0	TRANSPORT ASSY 9 TRACK 115V 60 HZ	1	–	–	–	1	–	–	–	–	–	–	–	–	–	
11	D-AD-7006756-2-0	TRANSPORT ASSY 9 TRACK 230V 60 HZ	–	1	–	–	–	1	–	–	–	–	–	–	–	–	–
11	D-AD-7006756-3-0	TRANSPORT ASSY 9 TRACK 115V 50 HZ	–	–	1	–	–	–	1	–	–	–	–	–	–	–	–
11	D-AD-7006756-4-0	TRANSPORT ASSY 9 TRACK 230V 50 HZ	–	–	–	1	–	–	–	1	–	–	–	–	–	–	–
11	D-AD-7006756-5-0	TRANSPORT ASSY 7 TRACK 115V 60 HZ	–	–	–	–	–	–	–	–	1	–	–	–	1	–	–
11	D-AD-7006756-6-0	TRANSPORT ASSY 7 TRACK 230V 60 HZ	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–
11	D-AD-7006756-7-0	TRANSPORT ASSY 7 TRACK 115V 50 HZ	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1
11	D-AD-7006756-8-0	TRANSPORT ASSY 7 TRACK 230V 50 HZ	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–
12	D-UA-H950-JD-0	MIDDLE DOORS, H950-JD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	9006088	TERMINAL STRIP #4-141 CINCH JONES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	C-MD-7407607-0-0	PLATE, JONES STRIP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	9006025-1	SCR PHL HD PANV #6-32 X 5/16 LG	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	9007649	WASHER EXT TOOTH #6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	9006560	KEPS NUT #6-32	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	9107430-29	WIRE #18 AWG TWP RED & WHT	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
19	9107243	TUFING ASTRA SUPLEX #1 BLK	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
20	1209373	CONTACT #60620-1 AMP	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	1209350-03	CONN #1-480305-0 MATE-N-LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	9007031	TIEWRAP SST-18 PANDUIT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	9007867	PUSH MOUNT #PM2H-25M PANDUIT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
~~24~~	~~D-AD-7005501-1-0~~	~~TRANS ASSY~~	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
~~25~~	~~1209351-03~~	~~MALE MATE'N'LOK~~	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
~~26~~	~~1209350-03~~	~~FEMALE MATE'N'LOK~~	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
~~27~~	~~1209378-01~~	~~MALE PIN~~	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
~~28~~	~~1209379-01~~	~~FEMALE PIN~~	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
~~29~~	~~9007880~~	~~TIE WRAP~~	A/R		A/R		A/R		A/R		A/R		A/R		A/R		A/R
~~30~~	~~9107430-09~~	~~BLK & WHT TWP #18~~	A/R		A/R		A/R		A/R		A/R		A/R		A/R		A/R
31	1209351-04	CONN 4PIN MATE-N-LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	C-IA-7409373-0-0	SPECIAL LOGO (TU10 9CH)	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–
33	C-IA-7409294-0-0	SPECIAL LOGO (TU10 7CH)	–	–	–	–	–	–	–	1	1	1	1	1	1	1	1
34	1210682	UNIVERSAL NAMEPLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	9008294	CLIP, TINNERMAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
36	BC08A-10	MYLAR CABLE	–	–	–	–	*	*	*	*	–	–	–	–	*	*	*	*
37	BC08C-10	MYLAR CABLE	–	–	–	–	*	*	*	*	–	–	–	–	*	*	*	*
38	BC08N-10	ROUND COAX CABLE	–	–	–	–	*	*	*	*	–	–	–	–	*	*	*	*
39	BC08P-10	ROUND COAX CABLE	–	–	–	–	*	*	*	*	–	–	–	–	*	*	*	*

REVISIONS	REV.	CHK
CHANGE NO.		
TU10-00032	A	BARDONE 5/17/72
TUIC-00045	B	M. MORGANSTERN 5/22/72
TUIC-00052	C	M.MORGANSTERN 10-18-71
TU10-00054	C	M.MORGANSTERN 12-22-71
TUIC-00065	E	BARDONE 9/6/72

FIRST USED ON OPTION/MODEL
TU10

* SEE ACCESSORY LIST FOR QUANTITIES
** ONLY USED ON FREE STANDING CABINETS
*** TYPE OF LOGO TO BE DETERMINE BY SYSTEM USING TU10

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 | FRACTIONS ± 1/64 | ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

		DATE
DRN.	T.J. LEBLANC	
CHK'D.	J. FLEMING	
ENG.		6-22-71
PROJ. ENG.		6-22-71
PROD.		2-25-71
NEXT HIGHER ASSY		
SCALE		
SHEET	OF 1	

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

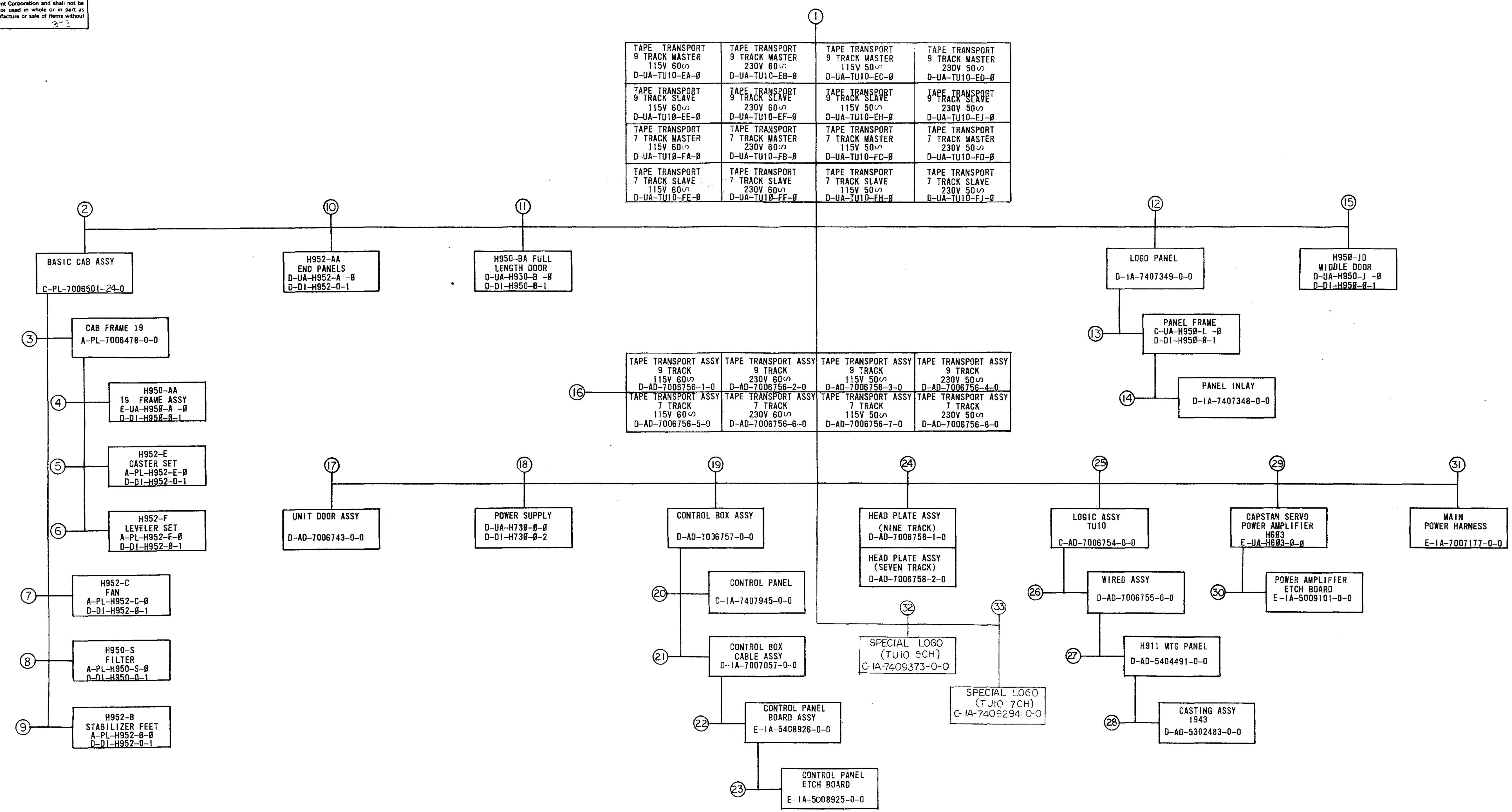
TITLE
TAPE TRANSPORT
TU10

SIZE	CODE	NUMBER	REV
C	PL	TU10-0-0	E

DIST

REV. E
NUMBER TU10-0-0
SIZE CODE C PL

DEC FORM NO. DRC 110


1
TAPE TRANSPORT 9 TRACK MASTER 115V 60∿ D-UA-TU10-EA-Ø
TAPE TRANSPORT 9 TRACK MASTER 230V 60∿ D-UA-TU10-EB-Ø
TAPE TRANSPORT 9 TRACK MASTER 115V 50∿ D-UA-TU10-EC-Ø
TAPE TRANSPORT 9 TRACK MASTER 230V 50∿ D-UA-TU10-ED-Ø
TAPE TRANSPORT 9 TRACK SLAVE 115V 60∿ D-UA-TU1Ø-EE-Ø
TAPE TRANSPORT 9 TRACK SLAVE 230V 60∿ D-UA-TU10-EF-Ø
TAPE TRANSPORT 9 TRACK SLAVE 115V 50∿ D-UA-TU10-EH-Ø
TAPE TRANSPORT 9 TRACK SLAVE 230V 50∿ D-UA-TU10-EJ-Ø
TAPE TRANSPORT 7 TRACK MASTER 115V 60∿ D-UA-TU1Ø-FA-Ø
TAPE TRANSPORT 7 TRACK MASTER 230V 60∿ D-UA-TU10-FB-Ø
TAPE TRANSPORT 7 TRACK MASTER 115V 50∿ D-UA-TU10-FC-Ø
TAPE TRANSPORT 7 TRACK MASTER 230V 50∿ D-UA-TU10-FD-Ø
TAPE TRANSPORT 7 TRACK SLAVE 115V 60∿ D-UA-TU10-FE-Ø
TAPE TRANSPORT 7 TRACK SLAVE 230V 60∿ D-UA-TU1Ø-FF-Ø
TAPE TRANSPORT 7 TRACK SLAVE 115V 50∿ D-UA-TU10-FH-Ø
TAPE TRANSPORT 7 TRACK SLAVE 230V 50∿ D-UA-TU10-FJ-Ø
2 BASIC CAB ASSY C-PL-7006501-24-0
3 CAB FRAME 19 A-PL-7006478-0-0
4 H950-AA 19 FRAME ASSY E-UA-H95Ø-A -Ø D-DI-H95Ø-Ø-1
5 H952-E CASTER SET A-PL-H952-E-Ø D-DI-H952-0-1
6 H952-F LEVELER SET A-PL-H952-F-Ø D-DI-H952-Ø-1
7 H952-C FAN A-PL-H952-C-Ø D-DI-H952-Ø-1
8 H950-S FILTER A-PL-H950-S-Ø D-DI-H950-0-1
9 H952-B STABILIZER FEET A-PL-H952-B-Ø D-DI-H952-0-1
10 H952-AA END PANELS D-UA-H952-A -Ø D-DI-H952-0-1
11 H950-BA FULL LENGTH DOOR D-UA-H950-B -Ø D-DI-H950-Ø-1
12 LOGO PANEL D-IA-7407349-0-0
13 PANEL FRAME C-UA-H95Ø-L -Ø D-DI-H95Ø-Ø-1
14 PANEL INLAY D-IA-7407348-0-0
15 H95Ø-JD MIDDLE DOOR D-UA-H950-J -Ø D-DI-H95Ø-Ø-1
16
TAPE TRANSPORT ASSY 9 TRACK 115V 60∿ D-AD-7006756-1-0
TAPE TRANSPORT ASSY 9 TRACK 230V 60∿ D-AD-7006756-2-0
TAPE TRANSPORT ASSY 9 TRACK 115V 50∿ D-AD-7006756-3-0
TAPE TRANSPORT ASSY 9 TRACK 230V 50∿ D-AD-7006756-4-0
TAPE TRANSPORT ASSY 7 TRACK 115V 60∿ D-AD-7006756-5-0
TAPE TRANSPORT ASSY 7 TRACK 230V 60∿ D-AD-7006756-6-0
TAPE TRANSPORT ASSY 7 TRACK 115V 50∿ D-AD-7006756-7-0
TAPE TRANSPORT ASSY 7 TRACK 230V 50∿ D-AD-7006756-8-0
17 UNIT DOOR ASSY D-AD-7006743-0-0
18 POWER SUPPLY D-UA-H73Ø-Ø-Ø D-DI-H73Ø-Ø-2
19 CONTROL BOX ASSY D-AD-7006757-0-0
20 CONTROL PANEL C-IA-7407945-0-0
21 CONTROL BOX CABLE ASSY D-IA-7007057-0-0
22 CONTROL PANEL BOARD ASSY E-IA-5408926-0-0
23 CONTROL PANEL ETCH BOARD E-IA-5008925-0-0
24 HEAD PLATE ASSY (NINE TRACK) D-AD-7006758-1-0
HEAD PLATE ASSY (SEVEN TRACK) D-AD-7006758-2-0
32 SPECIAL LOGO (TU10 9CH) C-IA-7409373-0-0
33 SPECIAL LOGO (TU10 7CH) C-IA-7409294-0-0
25 LOGIC ASSY TU10 C-AD-7006754-0-0
26 WIRED ASSY D-AD-7006755-0-0
27 H911 MTG PANEL D-AD-5404491-0-0
28 CASTING ASSY 1943 D-AD-5302483-0-0
29 CAPSTAN SERVO POWER AMPLIFIER H6Ø3 E-UA-H6Ø3-Ø-Ø
30 POWER AMPLIFIER ETCH BOARD E-IA-5009101-0-0
31 MAIN POWER HARNESS E-IA-7007177-0-0

REV	A	B	C	D	E	F	H	J	K	L	M
REVISION / CHANGE NO					TU10-0002 10-19-71			TU10-CO	MISC-CO 11/14/72	TU10-00	TU10-03
CHK	HARDONI 5/7/71	BARDONE 5/20/71						J.BARDONE	E. BERNIER	J. BARDONE	B. LITZGFR 4-12-72

FIRST USED ON OPT/MOD: TU1Ø

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN. 12-31-70 · CHK'D. · ENG. · PROD./ENG. · PROD. 2/23/71

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: DRAWING INDEX LIST TU1Ø

NEXT HIGHER ASSY

SIZE D · CODE DI · NUMBER TU1Ø-Ø-1 · REV M

SCALE · SHEET 1 OF 3 · DIST

DEC FORM NO DRD 102A

FIND NO.	DESCRIPTION	PART NO.	DEPT USAGE PROD	CUST	F/C
1.	TAPE TRANSPORT ASSY'S TUIØ	D-UA-TUIØ-Ø-Ø			
	TAPE TRANSPORT ASSY'S (PL)	C-PL-TUIØ-Ø-Ø			
	HOLD DOWN BAR	D-DI-7408593-0-0			
	SINGLE BAY CUSHIONED CRATING	A-FI-7700[illegible]-0-0			
	UNIVERSAL NAMEPLATE	A-PS-1210682			
2.	BASIC CAB ASSY	C-PL-7006501-0-0			
	KICK PLATE	C-MD-7406782-0-0			
	SHIPPING SKID CUSHIONED	D-PS-1210568-0-0			
	~~FRAME M15 DOOR ASSY~~	~~E-IA-7406705-0-0~~			
	~~FILLER STRIP, FRONT~~	~~C-IA-7406748-0-0~~			
	~~FILLER STRIP, REAR~~	~~C-IA-7406749-0-0~~			
	~~BUSHING, PIVOT~~	~~B-MD-7406702-0-0~~			
	~~PIN, DOOR RETAINER~~	~~B-MD-7406670-0-0~~			
	~~PIN, DOOR~~	~~B-MD-7406671-0-0~~			
	~~PIN, DOOR~~	~~B-MD-7406672-0-0~~			
3.	CAB FRAME ASSY 19	A-PL-7006478-0-0			
4.	H950-AA FRAME ASSY	E-UA-H95Ø-A-Ø			
	H95Ø-AA FRAME ASSY (PL)	A-PL-H95Ø-A-Ø			
	DWG INDEX H950	D-DI-H95Ø-Ø-1			
5.	CASTER SET H952-E	A-PL-H952-E-Ø			
	DWG INDEX H952	D-DI-H952-Ø-1			
6.	H952-F LEVELER SET	A-PL-H952-F-Ø			
	DWG INDEX H952	D-DI-H952-Ø-1			
7.	H952-C FAN	A-PL-H952-C-Ø			
	DWG INDEX H952	D-DI-H952-Ø-1			
8.	H95Ø-S FILTER	A-PL-H95Ø-S-Ø			
	DWG INDEX H95Ø	D-DI-H95Ø-Ø-1			
9.	H952-B STABILIZER FEET	A-PL-H952-B-Ø			
	DWG INDEX H952	D-DI-H952-Ø-1			
10.	H952-AA END PANEL	D-UA-H952-A-Ø			
	H952-AA END PANEL (PL)	A-PL-H952-A-Ø			
	DWG INDEX H952	D-DI-H952-Ø-1			
11.	H950-BA FULL LENGTH DOOR	D-UA-H95Ø-B-Ø			
	H95Ø-BA FULL LENGTH DOOR	A-PL-H95Ø-B-Ø			
	DWG INDEX H950	D-DI-H95Ø-Ø-1			
12.	LOGO PANEL ASSY	D-IA-7407349-0-0			
13.	H950-LA PANEL FRAME	C-UA-H95Ø-L-Ø			
	H95Ø-LA PANEL FRAME (PL)	A-PL-H95Ø-L-Ø			
	H950 DRAWING INDEX	D-DI-H95Ø-Ø-1			
14.	PANEL INLAY	C-IA-7407348-0-0			

FIND NO.	DESCRIPTION	PART NO.	DEPT USAGE PROD	CUST	F/C
15.	H95Ø-JD MIDDLE DOOR	D-UA-H95Ø-JD-Ø			
	H95Ø-JD MIDDLE DOOR ASSY	A-PL-H95Ø-JD-Ø			
	DWG INDEX H950	D-DI-H95Ø-Ø-1			
16.	TAPE TRANS ASSY 7 AND 9 TRACK	D-AD-7006756-0-0			
	TAPE TRANSPORT ASSY (PL)	A-PL-7006756-0-0			
	DOOR CATCH	A-MD-7407973-0-0			
	CLIP DOOR STOP	B-MD-7407951-0-0			
	DECK PLATE (CAST)	E-SC-1209871-0-0			
	DECK PLATE (MACH)	E-IA-7407991-0-0			
	DECK FRAME	D-IA-7407989-0-0			
	VACUMN CHANNEL COVER	C-IA-7407990-0-0			
	SENSOR BRKT	B-MD-7407954-0-0			
	LOGIC BRACKET	C-MD-7407992-0-0			
	ROLLER CLAMP	B-MD-7407960-0-0			
	CAPSTAN (CASTING)	C-SC-1209882-0-0			
	CAPSTAN (MACH)	C-MD-7407957-0-0			
	CAPSTAN CLAMP	D-MD-7407958-0-0			
	SOLENOID SHAFT	D-MD-7407962-0-0			
	SOLENOID BRKT	D-MD-7407963-0-0			
	ADJUSTING BRACKET	C-MD-7407967-0-0			
	PLENUM (CAST)	E-SC-1209874-0-0			
	PLENUM (MACH)	E-MD-7407988-0-0			
	MOTOR CLEAT	C-MD-7407987-0-0			
	HEAD COVER (CAST)	C-SC-1209875-0-0			
	HEAD COVER (MACH)	C-MD-7407986-0-0			
	STANDOFF	A-MD-7407995-0-0			
	STANDOFF PLATE	A-MD-7407994-0-0			
	COVER BRACE	B-IA-7407966-0-0			
	COVER HINGE (TOP)	B-MD-7408002-0-0			
	COVER HINGE (BOTTOM)	B-IA-7407993-0-0			
	BUFFER COLUMN GLASS	D-SC-1209918-0-0			
	BUFFER COLUMN GLASS	D-SC-1209919-0-0			
	BUFFER COLUMN COVER	D-MD-7407969-0-0			
	COVER HOLD DOWN	B-IA-7407939-0-0			
	PIVOT SHAFT HINGE	B-MD-7407965-0-0			
	KNOB (CAST)	C-SC-1209872-0-0			
	KNOB (MACH)	C-MD-7407979-0-0			
	SUPPORT REEL (CAST)	C-SC-1209873-0-0			
	SUPPORT REEL (MACH)	C-MD-7407980-0-0			
	PRESSURE PLATE	B-MD-7407982-0-0			
	GUIDE, REEL	B-MD-7407983-0-0			
	KEY	A-MD-7407984-0-0			
	AIR PLUG	B-MD-7407996-0-0			
	SHIPPING BRACKET	C-MD-7407997-0-0			
	DECORATIVE DISC	C-SC-1209212-0-0			
	CONN MTG. BRACKET	B-MD-7408481-0-0			
	TUIØ DECK CASTING	A-PI-3700044-0-0			
	INTER PLANT SHIPPING FOAM CLEAT	B-MD-7409176-0-0			
	(FIXTURES REF.)				
	ROLLER GUIDE GAGE BLOCK	B-MD-9605460-0-0			
	READ-WRITE SETUP GAGE	B-MD-9605494-0-0			
	READ-WRITE REEL SETUP GAGE	B-MD-9605493-0-0			
	HUB GAGE	C-IA-9605461-0-0			
	PAINT FIXTURE (DECK PLATE)	D-AD-9305187-0-0			
	CAPSTAN	B-MD-9605606-00			
	PLENUM COVER	C-MD-7409603-0-0			
	DEFLECTOR	B-MD-7409602-0-0			
17.	UNIT DOOR ASSY	D-AD-7006743-0-0			
	UNIT DOOR ASSY (PL)	A-PL-7006743-0-0			
	DOOR SUPPORT	B-MD-7407971-0-0			
	DOOR LATCH	B-MD-7407972-0-0			

FIND NO.	DESCRIPTION	PART NO.	DEPT USAGE PROD	CUST	F/C
17.	DOOR BUTTON	A-MD-7407970-0-0			
	DOOR STOP	A-MD-7407976-0-0			
	LATCH PLATE	B-IA-7407974-0-0			
	SHORT CLAMP	A-MD-7407975-0-0			
	WINDOW CLAMP	A-MD-7407977-0-0			
	WINDOW	B-MD-7407964-0-0			
	DOOR STOP BLOCK	A-MD-7407940-0-0			
	UNIT DOOR	D-MD-7408003-0-0			
	DOOR FOAM	B-MD-7408879-0-0			
	BLOCK, DOOR STOP	B-PS-1210367-00			
18.	POWER SUPPLY H73Ø ASSY	D-UA-H73Ø-Ø-Ø			
	POWER SUPPLY H73Ø (PL)	A-PL-H73Ø-Ø-Ø			
	DRAWING INDEX	D-DI-H73Ø-Ø-2			
19	CONTROL BOX ASSY	D-AD-7006757-0-0			
	CONTROL BOX ASSY (PL)	A-PL-7006757-0-0			
	CONTROL BOX	D-IA-7407942-0-0			
	PANEL SUB PLATE	C-MD-7407941-0-0			
	DIGI SWITCH BRKT	A-MD-7407938-0-0			
	EGG CRATE	D-MD-7407937-0-0			
	PANEL CLIP	C-IA-7408000-0-0			
	EGG CRATE	D-PS-1210366-0-0			
20.	CONTROL PANEL	C-IA-7407945-0-0			
	CONTROL PANEL SILK SCREEN	B-SS-7407945-0-1			
	CONTROL PANEL SILK SCREEN	B-SS-7407945-0-2			
21.	CONTROL BOX CABLE ASSY	D-IA-7007057-0-0			
22.	CONTROL PANEL BD ASSY	E-IA-5408926-0-0			
23.	CONTROL PANEL ETCH BD	E-IA-5008925-0-0			
	PRINTED CIRCUIT	PC-5008925-0-0			
24.	HEAD PLATE ASSY 7 AND 9 TRACK	D-AD-7006758-0-0			
	HEAD PLATE ASSY (PL)	A-PL-7006758-0-0			
	HEAD MTG PLATE (CASTING)	D-SC-1209876-0-0			
	HEAD MTG PLATE (MACH)	E-MD-7407953-0-0			
	ADJUSTABLE TAPE GUIDE	B-MD-7407950-0-0			
	CLAMP WASHER	A-MD-7407949-0-0			
	TAPE CLEANER	D-IA-7407998-0-0			
	(FIXTURES REF)				
	HEAD ALIGNMENT FIXTURE ASSY	D-AD-9305240-0-0			

FIND NO.	DESCRIPTION	PART NO.	DEPT USAGE PROD	CUST	F/C
25.	LOGIC ASSY	C-AD-7006754-0-0			
	LOGIC ASSY (PL)	A-PL-7006754-0-0			
	POWER END PLATE	C-IA-5404490-0-0			
	LEFT END PANEL	C-MD-5302485-0-0			
26.	WIRED ASSY	D-AD-7006755-0-0			
	WIRED ASSY (PL)	A-PL-7006755-0-0			
	LOGIC FRAME DECALS	B-DC-5308753-2-0			
	LOGIC FRAME DECALS	B-DC-5308753-4-0			
27.	H911 MOUNTING PANEL ASSY	D-AD-5404491-0-0			
	H911 MOUNTING PANEL ASSY	A-PL-5404491-0-0			
	288 PIN BLOCK H803	E-SC-1205348-0-0			
28.	CASTING ASSY (1943)	D-AD-5302483-0-0			
	CASTING ASSY (1943) (PL)	A-PL-5302483-0-0			
	1943 CASTING	E-MD-1202885-0-0			
29.	CAPSTAN SERVO POWER AMPL	E-UA-H683-Ø-Ø			
	POWER AMPLIFIER MTG BRKT	C-MD-5509026-0-0			
30.	POWER AMPLIFIER ETCH BD	E-IA-5009101-0-0			
	PRINTED CIRCUIT	PC-5009101-0-0			
31.	MAIN POWER HARNESS	E-IA-7007177-0-0			
	POWER CABLE	D-IA-7007250-0-0			
32.	~~TRANSFORMER PNL ASSY~~	~~D-AD-7005501-0-0~~			
	~~TRANSFORMER PNL ASSY (PL)~~	~~A-PL-7005501-0-0~~			
	~~TRANSFORMER PANEL~~	~~E-IA-7406064-0-0~~			
	~~COVER, PROT 4 TERM~~	~~B-MD-7404721-0-0~~			
32.	SPECIAL LOGO (TUIO 9CH)	C-IA-7409373-0-0			
	SILK SCREEN	A-SS-7409373-0-1			
33.	SPECIAL LOGO (TUIO 7CH)	C-IA-7409294-0-0			
	SILK SCREEN	A-SS-7409294-0-1			

FIRST USED ON OPTION/MODEL: H

REVISIONS	CHANGE NO.	CHK
REV.		

DEC FORM NO DRD 100

DRN. [illegible] DATE 12/2/70
CHK'D. [illegible] DATE 12/17/70
ENG. D. Barone DATE 2/22/71
PROJ. ENG. A. Bonanni DATE 2/22/71
PROD. B E Gross DATE 2/23/71
NEXT HIGHER ASSY: H
SCALE: F + F
SHEET 2 OF 3

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: DRAWING INDEX LIST TUIØ

SIZE	CODE	NUMBER	REV.
D	DI	TUIØ-Ø-1	M

DIST.

ELECTRICAL			DEPT USAGE		
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
1.	TAPE TRANSPORT ASSY 7 & 9 TRACK	A-ML-TU10-0			
	WIRE LIST	K-WL-TU10-0-2			
	MOTOR CONTROL (MASTER/SLAVE)	D-BS-TU10-0-3			
	CONNECTORS/INDICATORS (M/S)	D-BS-TU10-0-4			
	COMMAND LOGIC (MASTER/SLAVE)	D-BS-TU10-0-5			
	MOTION LOGIC (MASTER/SLAVE)	D-BS-TU10-0-6			
	BUS LOGIC (MASTER/SLAVE)	D-BS-TU10-0-7			
	READ WRITE TIMING LOGIC (M/S)	D-BS-TU10-0-8			
	WRITE CIRCUITRY (MASTER/SLAVE)	D-BS-TU10-0-9			
	READ CIRCUITRY (MASTER/SLAVE)	D-BS-TU10-0-10			
	MODULE UTILIZATION (SLAVE)	D-MU-TU10-0-11			
	MODULE UTILIZATION (PL)	A-PL-TU10-0-11			
	MASTER BUS DRIVERS & INTERCONN	D-BS-TU10-0-12			
	MODULE UTILIZATION (MASTER)	D-MU-TU10-0-18			
	MODULE UTILIZATION (PL)	A-PL-MU-TU10-0-18			
	TU10 ACCEPTANCE CRITERIA	A-SP-TU10-0-19			
	TU10 ASSY & TEST PROCEDURE	A-SP-TU10-0-20			
	ACCESSORY LIST	A-AL-TU10-0-21			
	HEAD MTG PLATE ASSY PROC	A-SP-TU10-0-22			
	UNIT ASSY PROC (MECH)	A-SP-TU10-0-23			

ELECTRICAL			DEPT USAGE		
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
16	TAPE TRANSPORT ASSY'S	D-AD-7006756-0-0			
	TAPE TRANSPORT ASSY'S (PL)	A-PL-7006756-0-0			
18.	POWER SUPPLY H730	A-ML-H730-0			
19.	CONTROL BOX ASSY	D-AD-7006757-0-0			
	CONTROL BOX ASSY	A-PL-7006757-0-0			
	CONTROL BOX TESTER	D-CS-7006757-0-2			
	TEST PROCEDURE	A-SP-7006757-0-3			
22.	CONTROL PANEL CIRCUIT SCHEMATIC	D-CS-5408926-0-0			
26.	WIRED ASSY	D-AD-7006755-0-0			
	WIRED ASSY (PL)	A-PL-7006755-0-0			

MECHANICAL			DEPT USAGE		
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
16 CONT	CLAMP ROLLER SHAFT	B-PS-1210375-0-0			
	ANGLE SHAFT,SOLENOID	B-PS-1210372-0-0			
	BRACE,COVER	C-PS-1210369-0-0			
	HINGE,COVER BOTTOM	C-PS-1210370-0-0			
	HINGE,COVER TOP	B-PS-1210371-0-0			
	RAMP COVER ROLLER,CSTG	C-PS-1210365-0-0			
	CATCH,DOOR	B-PS-1210368-0-0			
	CLAMP,CAPSTAN	D-PS-1210374-0-0			

	DEPT USAGE		
FIND NO. DESCRIPTION PART NO.	PROD	CUST	F/C

REVISION RECORD			
REV.	CHANGE	CHK	
M			

FIRST USED ON OPTION/MODEL

DRN. PIEROZE	DATE 2-7-70	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. [illegible]	DATE [illegible]	
ENG. [illegible]	DATE 12-22-71	TITLE DRAWING INDEX LIST
PROJ. ENG. [illegible]	DATE [illegible]	
PROD. [illegible]	DATE 3-17-72	
NEXT HIGHER ASSY		SIZE D CODE DI NUMBER TU10-0-1 REV. M
SCALE		
SHEET 3 OF 3		DIST.

DEC FORM NO DRD 100

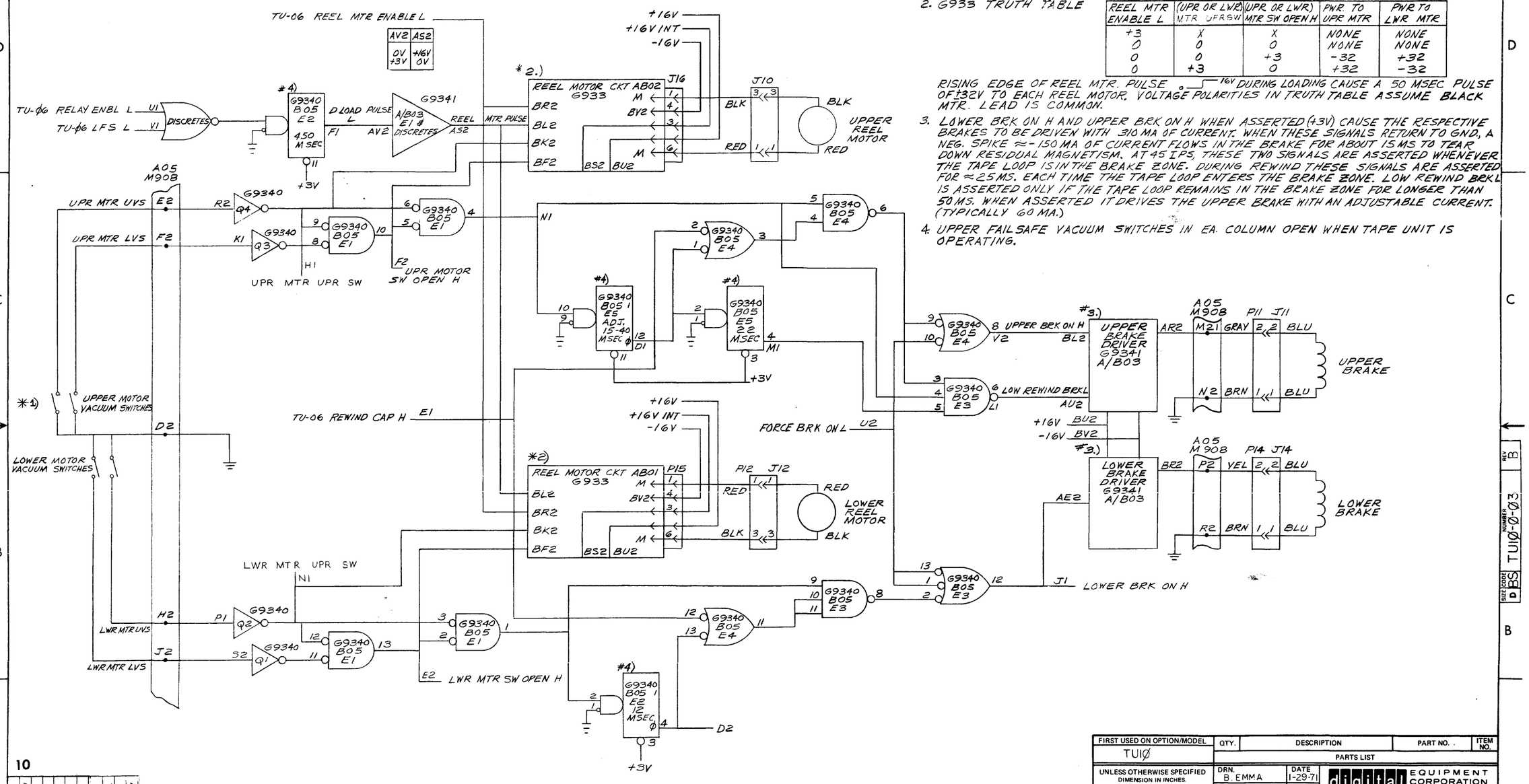
* NOTES:

1. VACUUM SWITCHES ARE CLOSED WHEN A VACUUM (10"H_2O) EXISTS AT THE ASSOCIATED PORT IN COLUMN.
2. G933 TRUTH TABLE

REEL MTR ENABLE L	(UPR OR LWR) MTR UPR SW	(UPR OR LWR) MTR SW OPEN H	PWR TO UPR MTR	PWR TO LWR MTR
+3	X	X	NONE	NONE
0	0	0	NONE	NONE
0	0	+3	-32	+32
0	+3	0	+32	-32

RISING EDGE OF REEL MTR. PULSE ⌐ 16V DURING LOADING CAUSE A 50 MSEC PULSE OF ±32V TO EACH REEL MOTOR. VOLTAGE POLARITIES IN TRUTH TABLE ASSUME BLACK MTR. LEAD IS COMMON.

3. LOWER BRK ON H AND UPPER BRK ON H WHEN ASSERTED (+3V) CAUSE THE RESPECTIVE BRAKES TO BE DRIVEN WITH 310 MA OF CURRENT. WHEN THESE SIGNALS RETURN TO GND, A NEG. SPIKE ≈ -150 MA OF CURRENT FLOWS IN THE BRAKE FOR ABOUT 15 MS TO TEAR DOWN RESIDUAL MAGNETISM. AT 45 IPS, THESE TWO SIGNALS ARE ASSERTED WHENEVER THE TAPE LOOP IS IN THE BRAKE ZONE. DURING REWIND THESE SIGNALS ARE ASSERTED FOR ≈ 25 MS. EACH TIME THE TAPE LOOP ENTERS THE BRAKE ZONE. LOW REWIND BRKL IS ASSERTED ONLY IF THE TAPE LOOP REMAINS IN THE BRAKE ZONE FOR LONGER THAN 50 MS. WHEN ASSERTED IT DRIVES THE UPPER BRAKE WITH AN ADJUSTABLE CURRENT. (TYPICALLY 60 MA.)
4. UPPER FAILSAFE VACUUM SWITCHES IN EA. COLUMN OPEN WHEN TAPE UNIT IS OPERATING.



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
.XXX = .005 .XX = .02 .X = .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —

FINISH —

DRN. B. EMMA	DATE 1-29-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHK'D. A. RAIMONDI	DATE 2-17-71	
ENG. J.R. HESS	DATE 2-17-71	
PROJ. ENG. J. BARDONE	DATE 2-17-71	
PROD. B.E. CROSS	DATE 2-17-71	
NEXT HIGHER ASSY. A-ML-TUIØ-Ø		
SCALE —		
SHEET 1 OF 2		

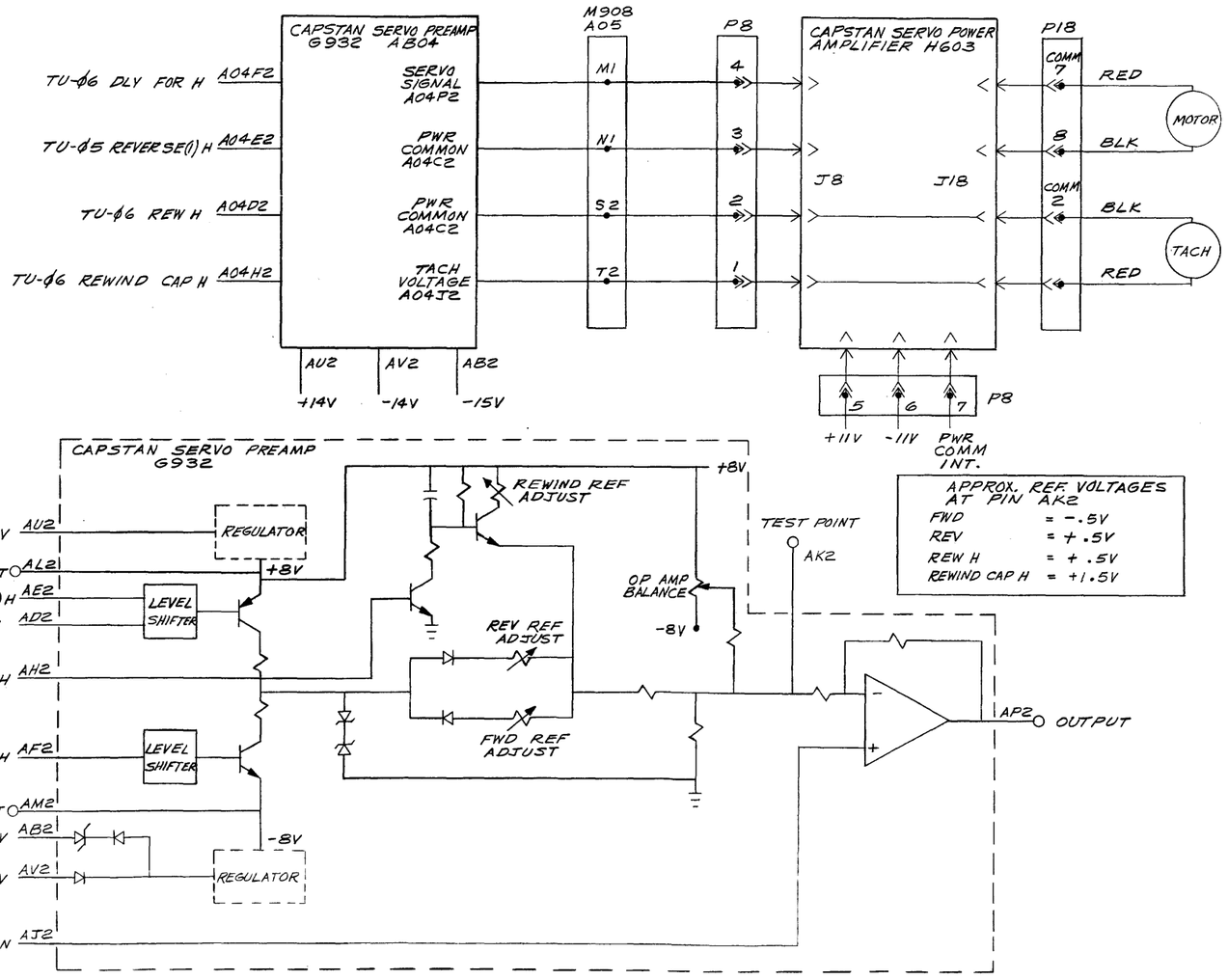
TITLE: TUIØ MOTOR CONTROL (MASTER/SLAVE) TU-Ø3

SIZE D | CODE BS | NUMBER TUIØ-Ø-Ø3 | REV. B | DIST.

REVISIONS				
CHK.	CHANGE NO.	REV		
-	TUIO-00036	A	REVISED & REDRAWN	5/18/71 BARDONE
-	TUIC-0004	B	PARTS LIST	6/22/71

10

DEC 10DM NO. OPD 102-B



REVISION	CHANGE NO.	CHK
REV		

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED

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

MATERIAL

FINISH

DRN. B. EMMA	DATE 1-29-71	
CHK'D. A. RAIMONDI	DATE 2-17-71	
ENG. J. R. HESS	DATE 2-17-71	
PROJ. ENG. T. BARRONE	DATE 2-17-71	
PROD. B. E. CROSS	DATE 2-17-71	

NEXT HIGHER ASSY. A-ML-TUIØ-Ø

SCALE

SHEET 2 OF 2

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE TUIØ MOTOR CONTROL (MASTER/SLAVE) TU-Ø3

SIZE	CODE	NUMBER	REV.
D	BS	TUIØ-Ø-Ø3	B

DIST.

DEC FORM NO DRD 102A

M9Ø3 A17 / M9Ø3 B17

B1	BWD 2 H
D1	BWD 3 H
E1	BWD 4 H
H1	BWD 5 H
J1	BWD 6 H
L1	BWD 7 H
M1	BWP H
P1	BWD 1 H
S1	BWD Ø H
D2	B REC H
E2	B SEL Ø H
H2	B SEL 1 H
K2	B SEL 2 H
M2	B STOP L
P2	B ALFA H
S2	B LRCC H
T2	B EMD L
V2	B SET L

M9Ø3 A18 / M9Ø3 B18

B1	TU-Ø8 BRD 2 H
D1	TU-Ø8 BRD 3 H
E1	TU-Ø8 BRD 4 H
H1	TU-Ø8 BRD 5 H
J1	TU-Ø8 BRD 6 H
L1	TU-Ø8 BRD 7 H
M1	TU-Ø8 BRD P. H
P1	TU-Ø8 BRD 1 H
S1	TU-Ø8 BRD Ø H
D2	B REV H
E2	TU-Ø7 B BOT H
H2	TU-Ø7 B EOT H
K2	TU-Ø7 B WRL H
M2	TU-Ø7 B RWS H
P2	TU-Ø7 B 7CH H
S2	TU-Ø7 B C556 H
T2	TU-Ø7 B C8ØØ H
V2	TU-Ø7 B SKEW H

M9Ø3 A19 / M9Ø3 B19

B1	
D1	
E1	
H1	
J1	
L1	
M1	
P1	
S1	
D2	
E2	B DEN S H
H2	B DEN 8 H
K2	TU-Ø7 B SDWN H
M2	TU-Ø7 B TUR H
P2	
S2	
T2	
V2	

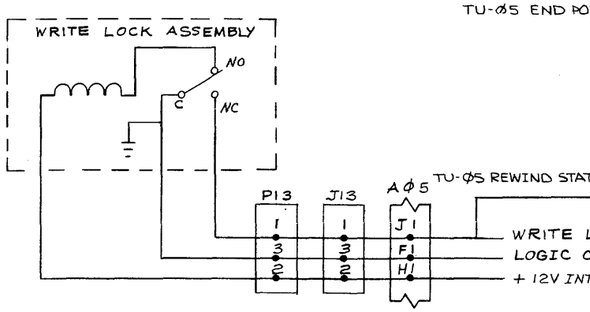
NOTE: UNREFERENCED SIGNALS ON SLOTS 17, 18 & 19 COME FROM BUSS IN TU-1Ø SLAVES AND FROM MASTER (SEE TU42) IN TU-1Ø MASTERS.

M9Ø8 AØ5

A1	TU-Ø6 RELAY ENABLE H
B1	LOGIC COMMON
C1	TU-Ø4 POWER ON L
D1	PWR. COMMON (SOURCE FROM PWR. SUPPLY)
E1	TU-Ø6 MTR PWR RELAY COIL
F1	LOGIC COMMON
H1	TU-Ø3 +12V INT
J1	TU-Ø4 WRITE LOCK L
K1	
L1	
M1	TU-Ø3 SERVO SIGNAL
N1	POWER COMMON
P1	
R1	
S1	
T1	+ CAPSTAN VOLTAGE
C2	
V1	

M9Ø8 AØ5

A2	+5 VOLTS
B2	-15 VOLTS
C2	LOGIC COMMON
D2	LOGIC COMMON (RETURN FROM VACUUM SWITCHES)
E2	UPR MTR UVS
F2	UPR MTR LVS
H2	LWR MTR UVS
J2	LWR MTR LVS
K2	UFS L
L2	LFS H
M2	TU-Ø3 UPPER BRAKE OUT
N2	POWER COMMON
P2	TU-Ø3 LOWER BRAKE OUT
R2	POWER COMMON
S2	POWER COMMON
T2	TU-Ø3 TACH VOLTAGE
U2	
V2	



M922 A22 / P3 / -16V

S2	MØ5Ø A23	S1	V2	V2	PWR BULB H	12
TU-Ø5 LOCAL (1) L B25F2 J2	MØ5Ø A23	J1	J1	J1	OFF LINE BULB H	1
TU-Ø5 FORWARD (1) L B25E2 K2	MØ5Ø A23	K1	N2	N2	FWD BULB H	6
TU-Ø5 WRITE ENABLE (1) L A25S1 N2	MØ5Ø A23	N1	S2	S2	WRITE BULB H	9
TU-Ø5 REVERSE (1) L B25L2 H2	MØ5Ø A23	H1	J2	J2	REV BULB H	5
TU-Ø6 VACUUM ON (1) L B24U1 R2	MØ5Ø A23	R1	U2	U2	LOAD BULB H	11
TU-Ø7 SELECT REMOTE (1) L A21F1 P2	MØ5Ø A23	P1	T2	T2	SEL BULB H	1Ø
TU-Ø6 READY (1) L B24E1 M2	MØ5Ø A23	M1	R2	R2	READY BULB H	8
TU-Ø5 BOT (1) L A25A1 L2	MØ5Ø A23	L1	P2	P2	LD PT BULB H	7
TU-Ø5 END POINT (1) L A25M2 F2	MØ5Ø A23	F1	H2	H2	END POINT BULB H	4
E2	MØ5Ø A23	E1	F2	F2	FILE PROT BULB H	3
TU-Ø5 REWIND STATUS (1) L B25R2 D2	MØ5Ø A23	D1	E2	E2	REW BULB H	2

REVISIONS					
CHK	CHANGE NO.	REV			
K. Fraser 5/19/71	TU10-00036	A			
P. Bardone 5/28/71					
P. Bardone 6-21-71	TU10-00042	B			
J. Hess 6-21-71					
P. Bardone 6/22/71	TU10-CCC50	C			
M. Gagnon 9-10-71					
J. HESS 9-14-71					

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU1Ø		PARTS LIST		

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN.	A. Pappas	DATE 1-26-71
CHK'D.	Bob Emma	DATE 2-17-71
ENG.	S. A. Fraser	DATE 2-17-71
PROJ. ENG.	P. Bardone	DATE 2-17-71
PROD. ENG.	R. E. Gross	DATE 2-17-71

NEXT HIGHER ASSY
A-ML-TU1Ø-Ø

SCALE NONE

SHEET 1 OF 2

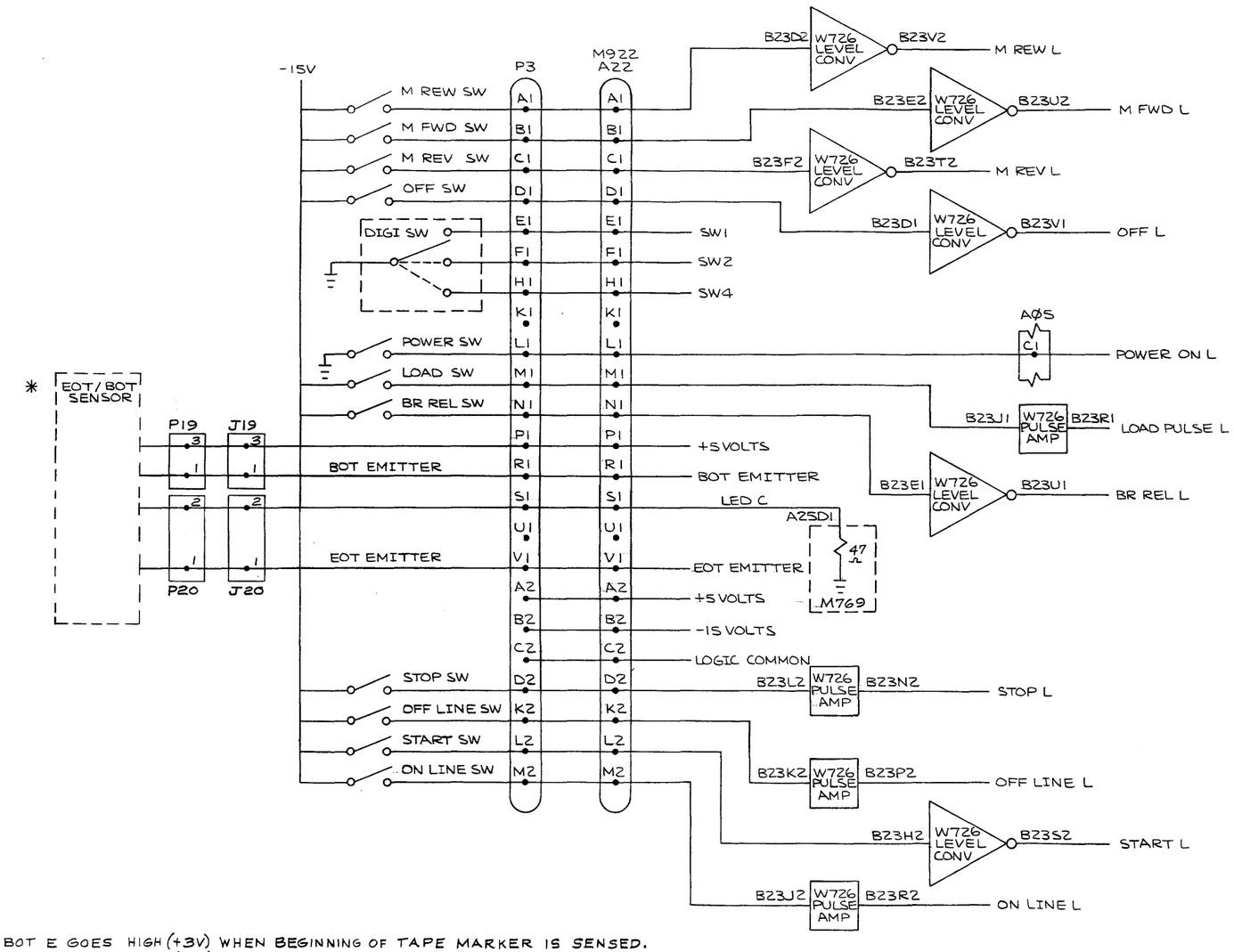
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
TU1Ø
CONNECTORS/INDICATORS
(MASTER/SLAVE) TU-Ø4

SIZE	CODE	NUMBER	REV.
D	BS	TU1Ø-Ø-Ø4	C

DIST.

DEC FORM NO
DRD 102A



NOTE *

1. BOT E GOES HIGH (+3V) WHEN BEGINNING OF TAPE MARKER IS SENSED.
2. EOT E GOES HIGH (+3V) WHEN END OF TAPE MARKER IS SENSED.
3. LIGHT EMITTING DIODE IS IN THE INFRARED RANGE AND IS NOT VISIBLE.

REVISIONS	REV	CHANGE NO	CHK

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES DECIMALS .XXX ± .1 FRACTIONS ± 1/64 ANGLES ± 1°
FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL —
FINISH —

DRN. A. RAMONDI	DATE 1-26-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHK'D	DATE 2-17-71	
ENG	DATE 2-17-71	TITLE TIIØ CONNECTORS/INDICATORS (MASTER/SLAVE) TU-Ø4
PROJ. ENG.	DATE 2-17-71	
PROD.	DATE 2-17-71	
NEXT HIGHER ASSY A-ML-TUIØ-Ø		SIZE D CODE BS NUMBER TUIØ-Ø-Ø4 REV. C
SCALE NONE		
SHEET 2 OF 2		DIST.

DEC FORM NO DRD 102A

SIZE D CODE BS NUMBER TUIØ-Ø-Ø4 REV C

TU-Ø5 LOCAL L
TU-Ø6 VACUUM ON (Ø) H
TU-Ø4 START L
TU-Ø7 CLEAR FUNCTION L
TU-Ø5 REWIND STATUS (Ø) H
TU-Ø7 SET PULSE L
TU-Ø5 END POINT (I) H
TU-Ø5 FORWARD (I) H
TU-Ø5 LINE SW CL L
INIT L (TEST POINT)
LOCAL (I) H
LOCAL (I) L
TU-Ø4 STOP L
STOP PULSE H
TU-Ø4 ON LINE L
TU-Ø4 OFF LINE L
TU-Ø6 PCLR L
TU-Ø5 STATUS REWIND (I) L
TU-Ø5 REVERSE (I) L
TU-Ø7 R REV H
TU-Ø5 MOTION L
TU-Ø5 START PULSE H
TU-Ø5 LOCAL (I) H
TU-Ø4 M REV L
TU-Ø6 RUNNING (Ø) H
WRITE ENABLE (I) H
WRITE ENABLE (I) L
REVERSE (I) H
TU-Ø7 R WRL H
TU-Ø7 R WRE H
TU-Ø4 WRITE LOCK L
TU-Ø7 R REW H
TU-Ø5 INIT L
TU-Ø7 SET PULSE L
TU-Ø5 END POINT (Ø) H
TU-Ø5 EOT H
WRITE LOCK H
TU-Ø5 FORWARD (Ø) H
REWIND STATUS (I) H
TU-Ø5 REVERSE (Ø) L
MOTION H
FORWARD (I) L
TU-Ø7 START L/STOP H
R B CLEAR H
FORWARD (I) H
TU-Ø5 REWIND STATUS (I) L
TU-Ø6 PCLR L
EOT H
TU-Ø4 M REW L
TU-Ø7 R REW H
TU-Ø4 EOT EMIT
TU-Ø4 BOT EMIT
TU-Ø7 R FWD H
TU-Ø4 M FWD L
BOT L
BOT H
TU-Ø4 ON LINE L
TU-Ø4 OFF LINE L
TU-Ø5 REWIND STATUS (Ø) H
TU-Ø5 LINE SW CL L

+5V
680Ω
100 PFD
4.7K
4.7K
220 PFD

NOTE:
M769 MODULE IS IN SLOT AB25

REVISIONS	REV	CHK	CHANGE NO	
	A		TUIØ-00036	5/20/71 BARDONE
	B		TUIØ-00050	9-10-71 J. HESS

FIRST USED ON OPTION/MODEL	TUIØ
UNLESS OTHERWISE SPECIFIED	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	
FINISH	
DRN.	A. Raimondi 1-6-71
CHK'D	Bob Emond 2-17-71
ENG.	R. Hess 2-17-71
PROJ. ENG.	D. Bardone 2-17-71
PROD.	B. E. Cross 2-17-71
NEXT HIGHER ASSY	A-ML-TUIØ-Ø
SCALE	NONE
SHEET	1 OF 1

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: TUIØ COMMAND LOGIC (MASTER/SLAVE) TU-Ø5

SIZE	CODE	NUMBER	REV.
D	BS	TUIØ-Ø-Ø5	B

DIST.

DEC FORM NO DRD 102A

TU-Ø6 CLR RLY ENBL L

M89Ø EØ9 — FORCE BRK ON(1)H (BP2)

TU-Ø4 BRK REL L (BB1) — M89Ø EØ7 — FORCE BRK ON(1)L (BN2)

LFS L (BA1)

M89Ø E11

M89Ø DISCRETE Q5

M89Ø E13 300 MS — REEL MTR ENBL L (BV1); REEL MTR ENBL H (BV2)

M89Ø E14 500 MS — VACUUM ON L (BU1); VACUUM ON H (BF2)

TU-Ø4 LOAD PULSE L (BH1)

M89Ø E12 — BD2

RELAY ENBL H — M9Ø8 AØ5 (A1) — M9Ø8 AØ5 (E1) — +12 B U2 — M89Ø RELAY DRIVER DISCRETE (BS2) — MTR PWR RELAY COIL

BT2 = PWR COM

M9Ø8 ** AØ5 (J2, K2, C2) — LFS H

TU-Ø6 FAIL(Ø) L (BL2)

CLR RLY ENBL L (BJ1 12) — E11 — BD1 — RELAY ENBL L

TU-Ø6 VACUUM ON L (BU1) — M9Ø8 AØ5 (K2, C2) — UFS L (BM2)

M89Ø E12 — FAIL (1) H (BK1)

M89Ø EØ9

LFS H (BC1) — M89Ø EØ7

TU-Ø4 OFF L (BL1) — M89Ø E11 — M89Ø EØ7 — BJ1 CLR RLY ENBL L

M89Ø PWR. TRANSIENT DETECTOR DISCRETES

M89Ø E10 400 MS — AR2 — 3K — +5 — ASI — M89Ø EØ4 — 6 AT2 P CLR L

TU-Ø6 REWIND BRK(1) H (AJ1)

TU-Ø5 REWIND STATUS (Ø) L (AA1)

TRIGGERED ON RISING EDGE 80 MS Ø — ANI — TDL TEST POINT

M89Ø EØ3

TU-Ø5 FORWARD(1) L (AD2)

M89Ø EØ2 — FOR H (AB1)

AM2 — M7670 A16 EØ3

TU-Ø8 CLOCK L (AD2) — M7670 A16 E1,2,4,5 RIPPLE COUNTER — 28 M SEC FORWARD DELAY AT LOAD POINT

PRESET — AP2 — BUF FOR H

M7670 A16 EØ3

TU-Ø5 BOT L (AN2) — M7670 A16 EØ3 — M7670 A16 EØ3 — AL2 — DLY FOR H

TU-Ø5 REWIND STATUS (1) H (AA1)

M89Ø EØ6 — 300 MS Ø — AM — TS L TEST POINT

+3V — M89Ø EØ5 — 300 MS — AL1 — TA H TEST POINT

M89Ø EØ1 — REWIND BRK(1) L

AJ1 — REWIND BRK(1) H

TU-Ø6 TD L (AN1) — M89Ø EØ4 — AP2 REWIND H

M89Ø EØ2 — AH1 REWIND CAP H

TU-Ø6 TD L (AN1 12) — M89Ø EØ4 — TU-Ø6 FOR H — M89Ø EØ2

TU-Ø5 MOTION H (AV2)

TU-06 VACUUM ON L — M89Ø EØ2 — AF1 LD ON LINE H

TU-Ø5 LOCAL(1) H (AU1) — M89Ø EØ7 — M89Ø EØ4 — AR1 TRANSPORT SETTLING DOWN L

M89Ø DISCRETES — M89Ø EØ8 1Ø MS — AP1 RUNNING H — BE2 RUNNING L

TU-Ø6 VACUUM ON H (BF2) — M89Ø E11 — BE1 READY L

* 1. E8, E13, E14 ARE IN "1" STATE WHEN PIN 11 IS AT GND. WHEN PIN 11 IS RELEASED GND THE DEVICE REMAINS IN THE "1" STATE FOR THE PERIOD DETERMINED BY THE TIMING COMPONENTS THEN SWITCHES TO THE "0" STATE.

** 2. LOWER FAILSAFE VACUUM SWITCH IN EACH COL. CLOSED WHEN TAPE UNIT IS OPERATING.

3. ALL M89Ø MODULES WILL BE LOCATED IN SLOT AB24

*** 4. UPPER FAILSAFE VACUUM SWITCHES IN EA. COLUMN OPEN WHEN TAPE UNIT IS OPERATING.

REVISIONS	REV	CHK	DATE
CHANGE NO TU10-0002	A	D. Bardoni	12/9/71
TU10-0004	B	J. HESS	2-7-71
TU10-0005	C	J-HESS	10-71

FIRST USED ON OPT/MOD TU1Ø	QTY	DESCRIPTION	PART NO. / ITEM NO.
		PARTS LIST	
UNLESS OTHERWISE SPECIFIED	DRN	DATE 12-1-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES	CHK'D A Ba	DATE 2-10-71	TITLE TU1Ø MOTION LOGIC (MASTER/SLAVE) TU-Ø6
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	ENG	DATE	
	PROJ ENG D Bardoni	DATE 2-17-71	
MATERIAL	PROD B Cross NEXT HIGHER ASSY	DATE 2-12-71	
FINISH	--ML-TU1Ø	SCALE	SIZE D / CODE BS / NUMBER TU1Ø-Ø-Ø6 / REV C
		SHEET OF	DIST

8 7 6 5 4 3 2 1

M514 AB21 DISCRETES — BS2 C STROBE L

AB17

D2 — BREC H — BN2 — M514 AB21 DISCRETES — BT2 WRITE STROBE H

E2 — B SEL Ø H — BE2 — M514 AB21 DISCRETES — TU-Ø4 SW4 AM1 9 — M514 AB21 E4 pin 10 — ALI MATCH 4 H

H2 — B SEL 1 H — BM2 — M514 AB21 DISCRETES — TU-Ø4 SW2 AS1 2 — M514 AB21 E4 pin 1 — ARI MATCH 2 H

K2 — B SEL 2 H — BK1 — M514 AB21 DISCRETES — TU-Ø4 SW1 AP1 5 — M514 AB21 E4 pin 4 — ANI MATCH 1 H

M2 — B STOP L — BV1 — M514 AB21 DISCRETES — AK1 — M514 AB21 E2 pin 2 — M514 AB21 E4 pin 12 — AJ2 CLEAR FUNCTION H

AH2 CLEAR FUNCTION L

+5V

P2 — BALFA H — BU2 — M768 AB2Ø DISCRETES — BJ2 START L/STOP H

S2 — BLRCC H — BP2 — M514 AB21 DISCRETES — BR2 LRCC STROBE

T2 — BEMD L — BV2 — M768 AB2Ø DISCRETES — AH2 DELAY OUT L

V2 — B SET L — BE1 — M514 AB21 DISCRETES — TU-Ø7 SELECT REMOTE H AK1 5 — M514 AB21 E2 pin 4 — ADI SET FUNCTION L

M514 AB21 E2 pin 13 — AE1 MUX OUT L

+3V

M514 AB21 E3 pin 1 — M514 AB21 E3 pin 2 — M514 AB21 E3 pin 3 — M514 AB21 E3 pin 4 — BV2 SET PULSE H — BU2 SET PULSE L

M514 AB21 DISCRETES — BU1 V CLAMP (+2.2V)

M514 AB21 E1 pin 9 — 8 AK1 SELECT REMOTE H

AH1 5 — M514 AB21 E1 — 6 AF1 SELECT REMOTE L

TU-06 LD ON LINE H

AB18

TU-Ø7 MUX OUT L — AE1 — +5V

TU-Ø5 BOT L — BJ2 — M514 AB21 E5 pin 6 — M514 AB21 DISCRETES — B BOT H — AU1 — E2 — B BOT — AU1 — M514 AB21 DISCRETES — BJ1 R FWD H

TU-Ø5 END POINT L — BH2 — M514 AB21 E5 pin 11 — M514 AB21 DISCRETES — BEOT H — BH1 — H2 — BEOT — BH1 — M514 AB21 DISCRETES — BF1 R REW H

TU-Ø4 WRITE LOCK L — BU1 — M768 AB2Ø E5 pin 9 — M768 AB2Ø DISCRETES — BWRL H — BN1 — K2 — BWRL — AU2 — M7670 A16 DISCRETES — AK2 R WRL H

TU-Ø5 REWIND STATUS L — BF2 — M514 AB21 E5 pin 4 — M514 AB21 DISCRETES — BRWS H — BP1 — M2 — BRWS — BP1 — M514 AB21 DISCRETES — BN1 R WRE H

7 CH H — AJ1 — M514 AB21 E2 pin 9 — M514 AB21 E5 pin 10 — M514 AB21 DISCRETES — B7CH H — AV1 — P2

TU-Ø8 C556 L — BR1 — M768 AB2Ø E5 pin 12 — M768 AB2Ø DISCRETES — BC556 H — BM1 — S2

TU-Ø8 C8ØØ L — BH2 — M768 AB2Ø E4 pin 4 — M768 AB2Ø DISCRETES — BC 8ØØ — BS2 — T2

TU-Ø8 DELAY STROBE L — BH1 — M768 AB2Ø E4 pin 4 — M768 AB2Ø DISCRETES — B SKEW H — BP1 — V2

TU-Ø7 SELECT REMOTE L — AC1 — BUS

D2 — BREV — AE2 — M7670 A16 DISCRETES — AS2 R REV H

* G741

B1, D1, D2, E1, E2, H1, H2, J1, K2, L1, M1, M2, P1, P2, S1, S2, T1, V2

-2.4V; 3K; -15; -.6V

TU-Ø6 TRANSPORT SETTLING DOWN L — BL1 — +5V — M768 AB2Ø E5 pin 7 — M768 AB2Ø DISCRETES — BSDWN H — BS1 — AB19 K2

TU-Ø7 SELECT REMOTE L — AC1 — M768 AB2Ø E5 pin 6 — M768 AB2Ø E4 pin 2 — M768 AB2Ø DISCRETES — BTUR H — BK — AB19 M2 — BUS

TU-Ø6 READY L — BE1 — +5V — M768 AB2Ø E4 pin 7

AB19

E2 — B DEN 5 — BL2 — M514 AB21 DISCRETES — BK2 DEN 5 L

H2 — B DEN 8 — BL1 — M514 AB21 DISCRETES — BM1 DEN 8 L

BUS

* G741 TERMINATOR USED IN B18 & B19 ON DRIVES ON ENDS OF BUS.
G741 YA TERMINATOR USED IN B17 ON DRIVES ON ENDS OF BUS.

REVISIONS	REV	CHK
CHANGE NO TUIØ-00036	A	BARDONE 5/20/71
TUIØ-00050	B	J-HESS 9-10-71

FIRST USED ON OPT/MOD	QTY	DESCRIPTION	PART NO	ITEM NO
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

DRN. B.E. Cross 1-25-71
CHK'D. A. Kowalski 2-12-71
ENG. [illegible] 2-17-71
PROJ. ENG. R. Bardone 2-17-71
PROD. B.E. Cross 2.17.71
NEXT HIGHER ASSY A-ML-TUIØ-Ø
SCALE —
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE
TUIØ
BUS LOGIC
(MASTER/SLAVE) TU-

SIZE D | CODE BS | NUMBER TUIØ-Ø-Ø7 | REV B | DIST.

DEC FORM NO DPD 102A

800 BPI 14.4S
556 BPI 20.4S
200 BPI 56.4S

40.4S

M767 B22 E5 — M767 B22 E6 SKEW DELAY — M767 B22 E4 — M767 B22 E2 — M767 B22 E7 — M767 B22 E3 — M767 B22 E1

BU1 DELAY STROBE H

BV1 C556 H

BR1 C556 L

BL1 STROBE L

BC1 CLOCK H

BF2 Y TEST POINT

BJ2 Z TEST POINT

BS2 TU-1Ø START SKEW DELAY H

BL2 TU-Ø7 DEN 8 L

BK2

BJ1 TU-Ø7 DEN 5 L

BN1 DELAY STROBE L

BN2 SKEW DELAY L

BD1 CLOCK L

TEST POINT BV2

M767 CRYSTAL OSCILLATOR 1152 KHZ

BH2 L CLOCK L

+3V

BH2 C 8ØØ L

CLOCK L BT2

10K

+5V

M767 / M768

READ BUS MI SI PI BI DI EI HI JI LI AB18

BRDP H BJ1 — BRDØ H BR2 — BRD1 H BP2 — BRD2 H BC1 — BRD3 H BD1 — BRD4 H BM2 — BRD5 H BB1 — BRD6 H BF1 — BRD7 H BN2

M768 AB2Ø LEVEL CONV.

M768 AB2Ø E5 MULTIPLEX — M768 AB2Ø E4 — M768 AB2Ø E3 — M768 AB2Ø E2 — M768 AB2Ø E2 — M768 AB2Ø E2 — M768 AB2Ø E3 — M768 AB2Ø E3

A2Ø P1 TU-1Ø RDPL — AS1 TU-1Ø RDØL — AR1 TU-1Ø RD1L — AF1 TU-1Ø RD2L — AH1 TU-1Ø RD3L — AJ1 TU-1Ø RD4L — AK1 TU-1Ø RD5L — AL1 TU-1Ø RD6L — AN1 TU-1Ø RD7L

XP X0 X1 X2 X3 X4 X5 X6 X7

AH2 TU-Ø7 DELAY OUT L

M768 AB2Ø DIODE MATRIX DECODER

M768 A/B20 E1

TU-Ø7 SELECT REMOTE L AC1 2
TU-Ø5 FORWARD L AA1 1
TU-Ø5 WRITE ENABLE L AB1 14
TU-Ø7 START L / STOP H BJ2 15

5 BF2 REV STOP L
10 BD2 FOR RD STOP L
12 BE2 FOR WR STOP L
13 BL2 FOR WR START L
4 AD1 REV START L
11 AE2 FOR RD START L

NOTE:
1. ALL RESISTORS ARE 1.2K 1/4W 5% UNLESS OTHERWISE INDICATED.
2. ALL DIODES ARE D664 UNLESS OTHERWISE INDICATED.

REVISIONS	REV	DESCRIPTION	DATE	APPROVED
CHK	A	TU10-00136	5-19-71	
CHK	B	TU10-00[illegible]	7-9-71	

DEC FORM NO DRD 102A

FIRST USED ON OPT/MOD: TUIØ

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES

FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN. — DATE

CHK'D. A. Kenneally — DATE 2-17-71

ENG. — DATE

PROJ. ENG. D. Barbour — DATE 2-17-71

PROD. B. E. Cross — DATE 2-17-71

NEXT HIGHER ASSY: A-MI-TUIØ-Ø

SCALE

SHEET OF

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: TUIØ
READ WRITE TIMING LOGIC
(MASTER|SLAVE) TU-Ø8

SIZE	CODE	NUMBER	REV.
D	BS	TUIØ-Ø-Ø8	B

DIST.

M763
AB26

TU-Ø5 WRITE ENABLE H AA1 — G35Ø AB27

TU-Ø5 WB CLEAR L BL2

WB SET ENABLE H AP2

TU-Ø8 CLOCK L BK1

TU-Ø7 WRITE STROBE H BP1

TU-Ø7 LRCC STROBE H AP1

TU-Ø7 V CLAMP (+2.2V) AR2

TU-Ø7 C STROBE AU1

TU-Ø7 SELECT REMOTE H BM1

E | C/P | Ø * | 1 * | B/2 | A/3 | 8/4 | 4/5 | 2/1Ø | 1/7

E Ē | P P̄ | Ø Ø̄ | 1 1̄ | 2 2̄ | 3 3̄ | 4 4̄ | 5 5̄ | 6 6̄ | 7 7̄

G35Ø AB27

AF2 AE2 | AL2 AK2 | AN2 AM2 | AT2 AS2 | AV2 AU2 | BF2 BE2 | BK2 BJ2 | BN2 BM2 | BS2 BR2

EØ3 | EØ1 | EØ1 | EØ3 | EØ5 | EØ5 | EØ7 | EØ7 | EØ9

+3V

+5V 22Ø 33Ø Ω

E4 | E2 | E2 | E4 | E6 | E6 | E8 | E8 | E1Ø

E4 E2 E2 E4 E6 E6 E8 E8 E1Ø

E11 E1Ø E13 E12

8 BIT SHIFT REG.

AF1 BWDP H | AH1 BWDØ H | AJ1 BWD1 H | AE1 BWD2 H | AK1 BWD3 H | AD1 BWD4 H | AJ2 BWD5 H | AH2 BWD6 H | AD2 BWD7 H AI7

M1 S1 P1 B1 D1 E1 H1 J1 L1

* 9 TRACK ONLY

REVISIONS	REV	CHK
CHANGE NO TUIØ-00036	A	J. HESS 7-7-71
BARDONE 5/18/71		
L. Edwards 5/21/71	B	J. HESS 7-7-71
TUIØ-CC050		

FIRST USED ON OPTION/MODEL	TUIØ
UNLESS OTHERWISE SPECIFIED	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	
FINISH	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			

DRN	B. Edwards	DATE 2-5-71
CHK'D.	A. Kaminski	DATE 2-10-71
ENG.	R. Hess	DATE 2-17-71
PROJ. ENG.	B. Bardone	DATE 2-17-71
PROD.	B. Edwards	DATE 2-17-71
NEXT HIGHER ASSY	A-VIL-TUIØ-*	
SCALE		
SHEET	OF	

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE TUIØ WRITE CIRCUITRY (MASTER/SLAVE) TU-Ø9

SIZE	CODE	NUMBER	REV.
D	BS	TUIØ-Ø-Ø9	B

DIST.

DEC FORM NO DRD 102A

RDP L RDØ L RD1 L RD2 L RD3 L RD4 L RD5 L RD6 L RD7 L

M765 AB28 E11 · M765 AB28 E11 · M765 AB28 E11 · M765 AB28 E14 · M765 AB28 E14 · M765 AB28 E14 · M765 AB28 E14 · M765 AB28 E14

M765 AB28 E1 · M765 AB28 E5 · M765 AB28 E9 · M765 AB28 E9 · M765 AB28 E13 · M765 AB28 E13 · M765 AB28 E16 · M765 AB28 E16

M765 AB28 E3 → 11 AJ2 START SKEW DELAY H; +5V

TU-Ø8 DELAY STROBE L AV1 → M765 AB28 E1 WINDOW

TU-Ø8 CLOCK L BE2 → M765 AB28 E3; +3V

AV2 BUFFER CLEAR L

TPP AL2 · TPØ AN2 · TP1 AS2 · TP2 BA1 · TP3 BD2 · TP4 BJ2 · TP5 BM2 · TP6 BU1 · TP7 BT2

M765 AB28 E2 8 BIT SHIFT REG (CLR, TEST POINT +3V BV2) · M765 AB28 E4 · E6 · E7 · E8 · E10 · E12 · E15 · E17

DATA BIT INPUT 1 AF2 · RSP H · AM2 RSØ H · AT2 RS1 H · AU2 RS2 H · BF2 RS3 H · BH2 RS4 H · BN2 RS5 H · BP2 RS6 H · BU2 RS7 H

TU-Ø5 RB CLEAR H AH2 → M765 AB28 E3

TU-Ø5 WRITE ENABLE(I) L AD1 → GØ6Ø AB31 → TP AE1

GØ64 AB29 · GØ62 AB3Ø · GØ6Ø AB31 · GØ5Ø AB32

C/P · Ø * · 1 * · B/2 · A/3 · 8/4 · 4/5 · 2/6 · 1/7

* 9 TRACK ONLY

REVISIONS				
SYM	CHANGE NO	CHK		REV
A	TU10-1 0036		5/28/71	A
B	TU10-001		12/9/71	B

DRAWN BARDONE 12/9/71 · CHECKED Gibson 12-9-71 · J-HES: 1/12/71

FIRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED · UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES · TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' · REMOVE BURRS AND BREAK SHARP CORNERS · MATERIAL — · FINISH —

DRN. [illegible] DATE 1-30-71 · CHK'D. A. Bouvier DATE 2-17-71 · ENG. [illegible] DATE 2-17-71 · PROJ. D. Bardone DATE 2/17/71 · PROD. BE Cross DATE 2.17.71

NEXT HIGHER ASSY A-ML-TUIØ-Ø · SCALE — · SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE TUIØ READ CIRCUITRY (MASTER/SLAVE) TU-IØ

SIZE D · CODE BS · NUMBER TUIØ-Ø-IØ · REV. B · DIST.

DEC FORM NO SRD 102A

USAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	G933	G933	G9341	G932	M908											M767Ø	M903	M903	M903	M768	M514	M922
A	REEL MOTOR CKT	REEL MOTOR CKT	BRAKE ACTUATOR	CAPSTAN SERVO PRE AMP	CABLE: RELAY ENABLE LOGIC COMMON POWER ON POWER COMMON MTG PWR RELAY COIL LOGIC COMMON +12V INT WRITE LOCK SERVO SIGNAL POWER COMMON / +5 +15 LOGIC COMMON PWR CON UVSU LVSU UVSL LVSL UFSW LESL UPPER BRAKE OUT PWR COM LOWER BRAKE OUT PWR COM TACH VOLTAGE +11VOLTS										FORWARD BOT TIMER	CABLE: BDW 2 THRU BDW 7 BWP BDW 1 BDW Ø B REC BSEL Ø BSEL 1 BSEL 2 B STOP B ALFA B LRCC B EMD B SET / BREC B SEL Ø B SEL 1 B SEL 2 B STOP BALFA BLRCC BEMD B SET	CABLE: TU-Ø8 BRD 2 THRU TU-Ø8 BRD 7 TU-Ø8 BRD P,1,Ø B REV TU-Ø7 B BOT B EOT B WRL B RWS B 7CH B WRC B BØØ B SKEW / BREV B BOT B EOT BWRL BRWS	CABLE: B DEN 5 B DEN & TU-Ø7 B SDWN TU-Ø7 B TUR / B DEN 5 B DEN 8	DELAY TRANSMITTER	BUS TRANSC.	CABLE: OFF LINE BULB M REW M FWD M REV OFF SW 1,2 4 +5V POWER ON BR REL +5V BOT EMIT-TER LED C +5V EOT EMITTER / +5V -15V LOGIC COMMON STOP L OFF LINE START ON LINE REW BULB FILE PROT BULB END PT BULB REV BULB FWD BULB LD PT BULB READY BULB WRITE BULB SEL BULB LOAD BULB PWR BULB
B					BRAKE LOGIC												M903 * * CABLE: BDW 2 THRU BDW 7 BWP BDW 1 BDW Ø B REC B SEL Ø B SEL 1 B SEL 2 B STOP B ALFA B LRCC B EMD B SET / BREC B SEL Ø B SEL 1 B SEL 2 B STOP BALFA BLRCC BEMD B SET	M903 * CABLE: TU-Ø8 BRD 2 THRU TU-Ø8 BRD 7 TU-Ø8 BRD P,1,Ø B REV TU-Ø7 B BOT B EOT B WRL B RWS B 7CH B WRC B BØØ B SKEW / BREV B BOT B EOT BWRL BRWS	M903 * CABLE: B DEN S B DEN 5 TU-Ø7 B SDWN TU-Ø7 B TUR / B DEN 5 B DEN 8			M767 CLOCK + SKEW DELAY

USAGE	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	M853	M390	M769	M763	G35Ø	G064	~~G067~~ 7C5	~~G060~~ GØ62	G060	G059												
A	REW / FILE PROT / END POINT / REV / OFF LINE / FWD / LD PT / READY / WRITE / SEL / LOAD / PWR																					
B	SWITCH FILTER			W726	MOTION CONTROL	FUNCTION CONTROL	WRITE BUFFER	HEAD DRIVER	READ BUFFER	SLICER	PEAK DET	COMPRESSOR	READ AMP									

* FOR UNITS ON END OF BUS ONLY, USE G741 TERMINATOR
** FOR UNITS ON END OF BUS USE 3741 YA

REVISIONS	CHK	CHANGE NO.	REV.
	01	TUIØ-ØØ3Ø	A
		TUIØ-ØØ5Ø	B
		TUIØ-ØØ66	C

FIRST USED ON OPTION/MODEL: TUIØ

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

		DATE
DRN.		
CHK'D.		
ENG.		2-22-71
PROJ. ENG.		2-22-71
PROD.	BEvans	2-23-71

NEXT HIGHER ASSY: A-ML-TUIØ-Ø
SCALE
SHEET 1 OF 1

digital EQUIPMENT CORPORATION

TITLE: MODULE UTILIZATION

SIZE D | CODE MU | NUMBER TUIØ-Ø-11 | REV. C | DIST.

SIZE FORM NO. DRD 112

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R.J. EMMA	CHECKED A. Eaton Jr.	SECTION
DATE 2/18/71	DATE 2-19-71	1
ENG John Tan	PROD BEGoss	ISSUED SECT.
DATE 2/23/71	DATE 2-23-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
	GØ5Ø	DUAL GAP HEAD READ AMP	1
	GØ6Ø	MAG TAPE COMPRESSOR, 9 TRACK	1
	GØ62	MAG TAPE PEAK DITECTOR, 9 TRACK	1
	GØ64	MAG TAPE SLICER, 9 TRACK	1
	G35Ø	MAG TAPE WRITE DRIVER	1
	G741	NEG CLAMP LOAD	2
	G932	CAPSTAN SERVO PRE AMP	1
	G933	REEL MOTOR AMP	2
	MØ5Ø	INVERTER DRIVER	1
	M514	TU1Ø TRANSCEIVER	1
	W726	SWITCH FILTER	1
	M763	9 TRACK WRITE BUFFER	1
	M765	9 TRACK READ BUFFER	1
	M767	CLOCK & SKEW DELAY	1
	M768	DELAY SELECTOR	1
	M769	FUNCTION CONTROL	1
	M89Ø	MOTION CONTROL	1
	~~G934~~	~~BRAKE ACTUATOR~~	~~1~~
	M767Ø	FORWARD BOT TIMER	1
	G9340	BRAKE LOGIC	1
	G9341	BRAKE ACTUATOR	1
	G741YA	NEG. CLAMP LOAD	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION PL	D-MU-TU1Ø-Ø-11	A	PL	TU1Ø-Ø-11	C	TU1C CC065
	SHEET 1 OF 1	DIST.				

DEC FORM NO.
DRA 110

M929 BØ7

TU15 RDS L — AFI — BAI — AI — C RDS L
TU12 RSDWN L — AEI — BBI — BI — C SWDN L
TU12 RTUR L — ADI — BCI — CI — C TUR L
TU17 XRDØL — AAI — BFI — FI — C RDØ L
TU17 XRD 1L — ABI — BHI — HI — C RD1 L
TU17 XRD 2L — AHI — BJI — JI — C RD2 L
TU17 XRD 3L — AKI — BKI — KI — C RD3 L
TU17 XRD 4L — ALI — BLI — LI — C RD4 L
TU17 XRD 5L — ANI — BMI — MI — C RD5 L
TU17 XRD 6L — ARI — BNI — NI — C RD6 L
TU17 XRD 7L — ASI — BPI — PI — C RD7 L
TU17 XRDPL — AMI — BRI — RI — C RDP L
TU15 FMK L — AVI — BSI — SI — C FMK L
TI
UI
VI

M929 AØ7

AI — C SELØ H
BI — C SEL1 H
CI — C SEL2 H
DI
EI — C DEN8 H
FI — C DEN5 H
HI
JI — C WEXG H
KI — C FOR H
LI — C REW H
MI — C WRE H
NI
PI
RI
SI
TI
UI
VI

M640
ABØ8

MASTER/ INTERFACE BUS DRIVER *

M929 BØ7

TU16 WRS L — AF2 — BD2 — A2 — C WRS L
TU15 CRCS L — AC1 — BE2 — B2 — C CRCS L
TU13 ERWS L — AE2 — BF2 — C2 — C RWS L
TU13 EBOT L — AD2 — BK2 — D2 — C BOT L
TU13 EWRL L — AH2 — BL2 — E2 — C WRL L
TU17 VPE L — AJ2 — BM2 — F2 — C VPE L
TU13 SELR L — AJ1 — BN2 — H2 — C SELR L
TU12 R7CHL — AL2 — BP2 — J2 — C 7CH L
TU13 EEOT L — AR2 — BR2 — K2 — C EOT L
TU24 CRCE L — AP2 — BS2 — L2 — C CRCEL
TU17 LRCE L — AN2 — BT2 — M2 — C LRCE L
TU15 LRCS L — AM2 — BU2 — N2 — C LRCS L
P2
R2
S2
T2
U2
V2

M929 AØ7

A2 — C WDØ H
B2 — C WD1 H
C2 — C WD2 H
D2 — C WD3 H
E2 — C WD4 H
F2 — C WD5 H
H2 — C WD6 H
J2 — C WD7 H
K2 — C REV H
L2 — C INIT H
M2 — C SET H
N2 — C WDR H
P2 — C PEVN H
R2 — C WFMK H
S2
T2
U2
V2

MASTER/ INTERFACE CABLE (DOUBLE HEIGHT MODULE)

INPUT / OUTPUT TRUTH TABLE

* IN	OUT
GND	GND
+3V	+3V

M1ØØ, A15
SLAVE / MASTER BUS DRIVER

TUØ7 BTUR H — AI — CI — B1 — RTUR L
TUØ8 BRDP H — DI — CI — E1 — RRDP L
TUØ8 BRDØ H — FI — CI — H1 — RRDØ L
TUØ8 BRD1 H — JI — CI — K1 — RRD1 L
TUØ8 BRD2 H — LI — CI — M1 — RRD2 L
TUØ8 BRD3 H — NI — CI — P1 — RRD3 L
TUØ8 BRD4 H — RI — CI — S1 — RRD4 L
TUØ8 BRD5 H — VI — CI — U1 — RRD5 L
TUØ8 BRD6 H — E2 — CI — F2 — RRD6 L
TUØ8 BRD7 H — H2 — CI — J2 — RRD7 L
TUØ7 B7CH H — K2 — CI — L2 — R7CH L
TUØ7 BC556 H — M2 — CI — N2 — RC5GG L
TUØ7 BC8ØØ H — P2 — CI — R2 — RC8ØØ L
TUØ7 BSKEW H — S2 — CI — T2 — R5ØØ L
TUØ7 BSDWN H — U2 — CI — V2 — R5DWN L

TRUTH TABLE

IN	OUT
GND	GND
-3V	+3V

REVISIONS	REV
CHANGE NO.	A
CHK	TUIØ-00050
	11-Jan-71
	J HESS
	1-14-71

FIRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

DRN	V Barsotti	DATE 9-24-71
CHK'D	A Belmonti	DATE 11-5-71
ENG	John K Iles	DATE 11-26-71
PROJ ENG	J Baldone	DATE 12/9/71
PROD	C E Lamb	DATE 5-2-71

NEXT HIGHER ASSY A-ML-TUIØ-Ø
SCALE
SHEET 1 OF 2

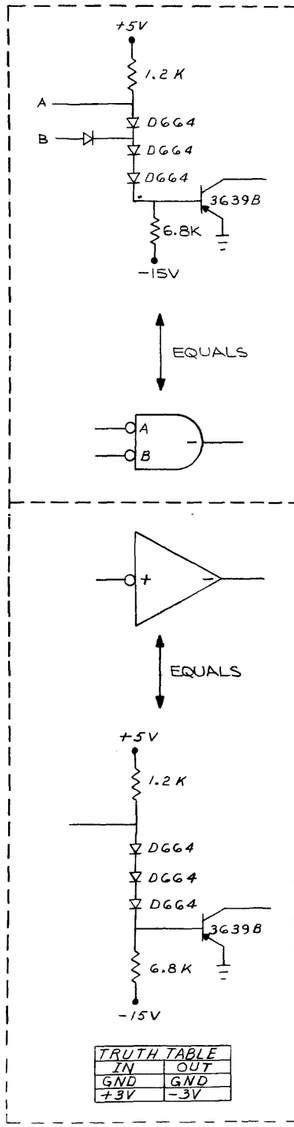
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE
MASTER BUS DRIVERS & INTERCONN
TU-12

SIZE	CODE	NUMBER	REV
D	BS	TUIØ-Ø-12	A

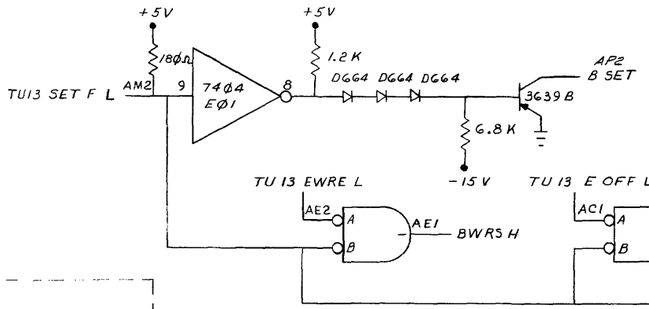
DIST.

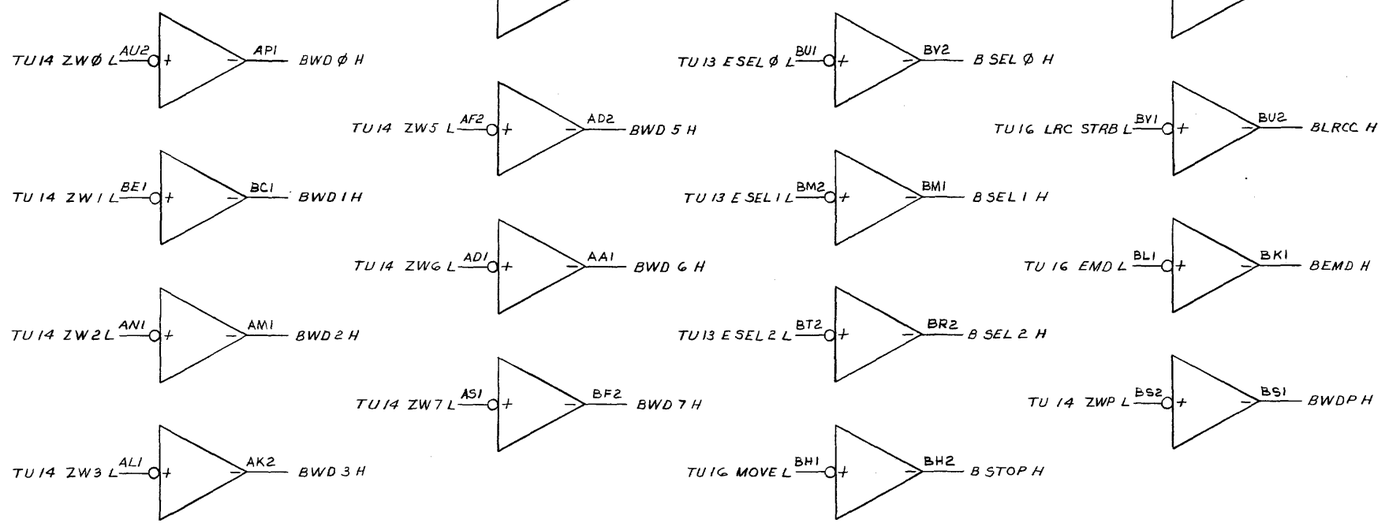
DEC FORM NO DRD 102A



TRUTH TABLE		
IN		OUT
A	B	
GND	GND	GND
GND	+3V	-3V
+3V	GND	-3V
+3V	+3V	-3V

TRUTH TABLE	
IN	OUT
GND	GND
+3V	-3V





NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL GATES ARE M7671 AND LOCATED IN SLOT AB14.

REVISIONS	REV.	CHK
CHANGE NO		

DEC FORM NO SRD 1129 A

FIRST USED ON OPT/MOD	QTY.	DESCRIPTION	PART NO	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED	DRN. T.J. Bessonnette	DATE 4-1-71
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D. A.P. Diamond	DATE 4-6-71
	ENG. Eric R. Fiter	DATE 4-26-71
	PROJ. ENG. D. Baldone	DATE 4/8/71
	PROD. G.E. Gross	DATE 5-7-71
MATERIAL —	NEXT HIGHER ASSY A-ML-TUIØ-Ø	
FINISH —	SCALE —	
	SHEET 2 OF 2	

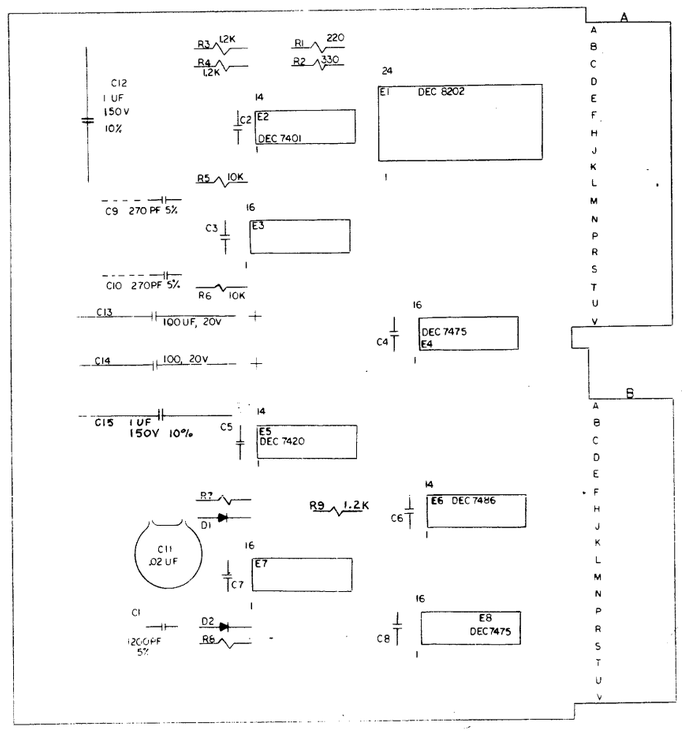
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE MASTER BUS DRIVERS & INTERCONN TU-12

SIZE	CODE	NUMBER	REV.
D	BS	TUIØ-Ø-12	A

DIST.

SIZE D CODE BS NUMBER TUIØ-Ø-12 REV A



QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
		PARTS LIST		
		X-Y COORDINAT DLE ION	K-CO-M7672-0-4	1
		ASSY/DRILLING U.	D-AH-M7672-0-5	2
		MODULE ECC HIS	B-MH-M7672-0-6	3
1		ETCHED CIRCUIT ARD	5009577	4
2	C13, 14	CAP. 100UF 20V 10% TANT	1004815	5
1	C11	CAP. .02UF 100V -0 +20% DISC	1000004	6
2	C9, 10	CAP. 270 100V 5% D.M.	1000022	7
7	C2 - C8	CAP. .01UF 100V 20% DISC	1001610	8
1	C1	CAP. 1200PF 100V 5% D.M.	1002619	9
2	C12, 15	CAP. 1UF 150V 10% FOIL	1000063	10
2	D1, 2	DIODE D664	1100114	11
		GRIPLET	1210244-0	12
1	R1	RES. 220 ¼W 5%	1300271	13
1	R2	RES. 330 ¼W 5%	1300395	14
2	R5, 6	RES. 10K ¼W 5%	1300479	15
3	R3, 4, 9	RES. 1.2K ¼W 5%	1301320	16
2	R7, 8	RES. 8.2K ¼W 5%	1303179	17
1	E5	I.C. DEC 7420	1905577	18
1	E2	I.C. DEC 7401	1905590	19
2	E4, 8	I.C. DEC 7475	1909050	20
1	E6	I.C. DEC 7486	1910011	21
2	E3, 7	I.C. DEC 74123	1910436	22
1	E1	I.C. DEC 8202	1910275	23
4		EYELET, HANDLE	9006732	24
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	25

REVISIONS	CHG NO.	REV
CHG'D	00001	A
ENG.	00002	

DRN Barry Edmunds DATE 2/9/71
CHK'D Walsh DATE 9/25/71
ENG. W.E. McAteer DATE 5-1-71
PROD DATE

TRANSISTOR & DIODE CONVERSION CHART

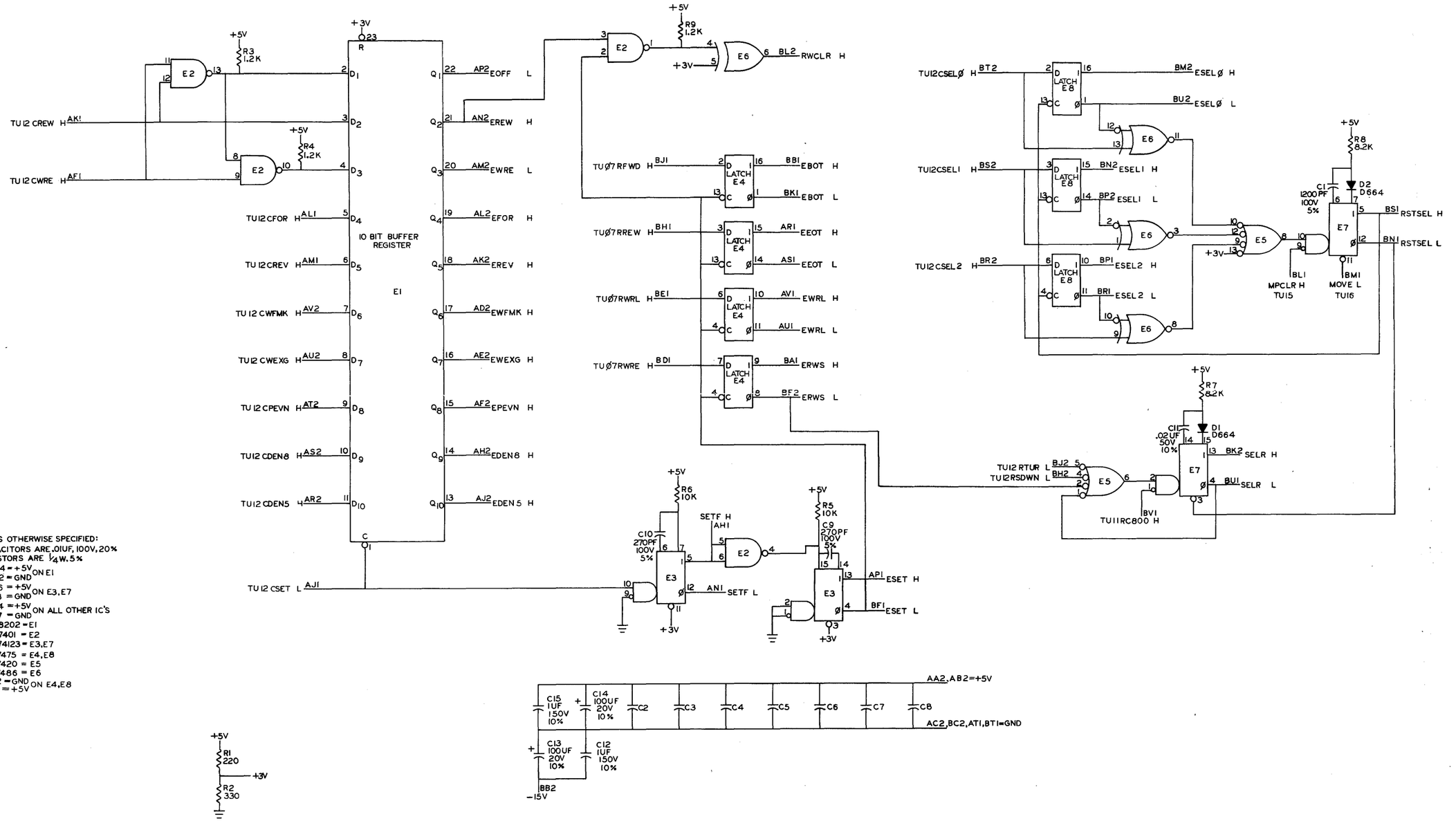
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE TU 1C BL OMMAND FERS TU13
SIZE D | CODE CS | NUMBER M7672-0-1 | REV A
PRINTED CIRCUIT B

SHEE OF 2

DEC FORM NO. DTD 118



UNLESS OTHERWISE SPECIFIED:
CAPACITORS ARE .01UF, 100V, 20%
RESISTORS ARE 1/4W, 5%
PIN 24 = +5V ON E1
PIN 12 = GND
PIN 16 = +5V ON E3, E7
PIN 8 = GND
PIN 14 = +5V ON ALL OTHER IC'S
PIN 7 = GND
DEC 8202 = E1
DEC 7401 = E2
DEC 74123 = E3, E7
DEC 7475 = E4, E8
DEC 7420 = E5
DEC 7486 = E6
PIN 12 = GND
PIN 5 = +5V ON E4, E8

SHEET 2 OF 2

REVISIONS	CHR CHG NO	REV
	00001	A
	00002	

DRN	R.J.DOUCETTE	DATE 2-19-71
CHKD		DATE
ENG.		DATE
PROJ.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

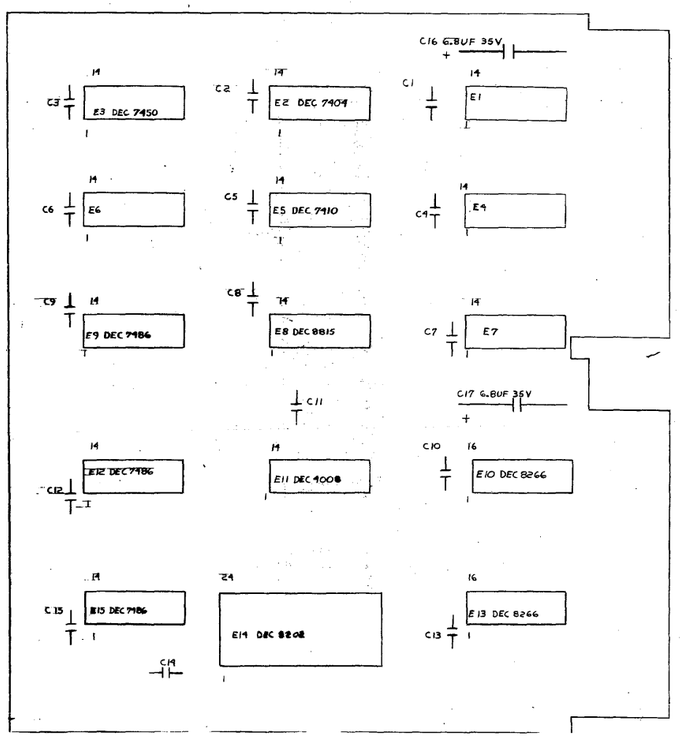
TITLE: TU 10 COMMAND BUFFERS TU13

SIZE	CODE	NUMBER	REV.
D	CS	M7672-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO. DRD 118

SIZE D | CODE CS | NUMBER M7672-0-1 | REV A



QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO
		PART LIST		
		B-CO-M891-0-2 X-Y COORDINATE HOLE LOCATION		1
		D-AH-M891-0-5 ASSY/DRILLING HOLE LAYOUT		2
		B-MH-M891-0-6 ECC MODULE HISTORY		3
1		ETCHED CIRCUIT BOARD	5009536	4
2	C16, 17	CAP. 6.8UF 35V 20%	1000067	5
15	C1 - 15	CAP. .01UF 100V 20%	1001610	6
1	E1, 4, 6, 7	I.C. DEC 7400	1905575	7
1	E5	I.C. DEC 7410	1905576	8
1	E3	I.C. DEC 7450	1905580	9
1	E2	I.C. DEC 7404	1909686	10
1	E8	I.C. DEC 8815	1909713	11
2	E10, 13	I.C. DEC 8266	1909934	12
3	E12, 15, 9	I.C. DEC 7486	1910011	13
1	E11	I.C. DEC 4008	1910270	14
1	E14	I.C. DEC 8202	1910275	15
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	16
4		HANDLE, EYELET	9006732	17
A/R		GRIPLET	1210244-0	18

REVISIONS	CHK	CHG NO	REV

DRN S. COOPER 4-5-71
CHKD C. Y. 5/4/71
ENG [signature] 5/27/71
PROD [signature] 5/27/71

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE CRC AND WRITE GATING TU14

SIZE	CODE	NUMBER	REV
D	CS	M891-0-1	C

PRINTED CIRCUIT REV. D

DEC FORM NO. DSD 116

SIZE D | CODE CS | NUMBER M891-0-1 | REV C

AHI CRC 2H
AH2 CRC 2L
AL2 CRC 4L
AK2 CRC 4H
BEI CRC3L
BSI CRCIL
BAI CRØL
BKI CRC 5L
CRC7L BBI
BF1 CRC6L
AEMDL BU2
BV2 REC H
AS2 9TR FMK L
AM2 7TR FMK L
API TU15 7TR H
AE1 TU16 CRC STRB L
AM1 TU13 EWFMK H
AF1 CWD OFF H
AA1 CWD OFF L
AD2 ZWPL
AE2 CRCPH
AF2 WRX3 H
AL1 EPEVN H
AD1 WRXP H
AJ1 ZWØL
AJ2 ZW1L
AK1 ZW2L
AN2 ZW3L
AR2 ZW4L
AT2 ZW5L
AV2 ZW6L
AU2 ZW7L
ARI TU12 CWD 1H
BLI TU12 CWD 2H
BHI TU12 CWD 4H
BDI TU12 CWD 6H
BCI TU12 CWD 7H
ASI TU12 CWDØH
BJI TU12 CWD5H
ABI TU12 CWD3H
+5V,AA2,BA2
GND,AC2,AT1, BC2,BT1
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 +C16 6.8UF 35V +C17 6.8UF 35V
E6 E1 E3 E4 E9 E15 E12 E14 E13 E10 E2 E5 E8 E11 E7
10 BIT BUFFER REGISTER
4 BIT MULTIPLEXER

UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01UF, 100V, 20%
DEC7400=E1, E4, E6, E7
DEC7486=E9, E12, E15
DEC8266=E10, E13
DEC7404=E2
DEC7410=E5
DEC7450=E3
DEC 8202=E14
DEC8815=E8
DEC4006=E11
PIN 7=GND
PIN 14=+5V ON ALL IC'S
PIN 8=GND, PIN 16=+5V ON DEC8266
PIN 12=GND
PIN 24=+5V ON DEC8202

REVISIONS | CHN | CHG NO | REV

DRN		DATE
CHK D		DATE 5/14/71
ENG		DATE 6/29/71
PROJ		DATE 7/21/71

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

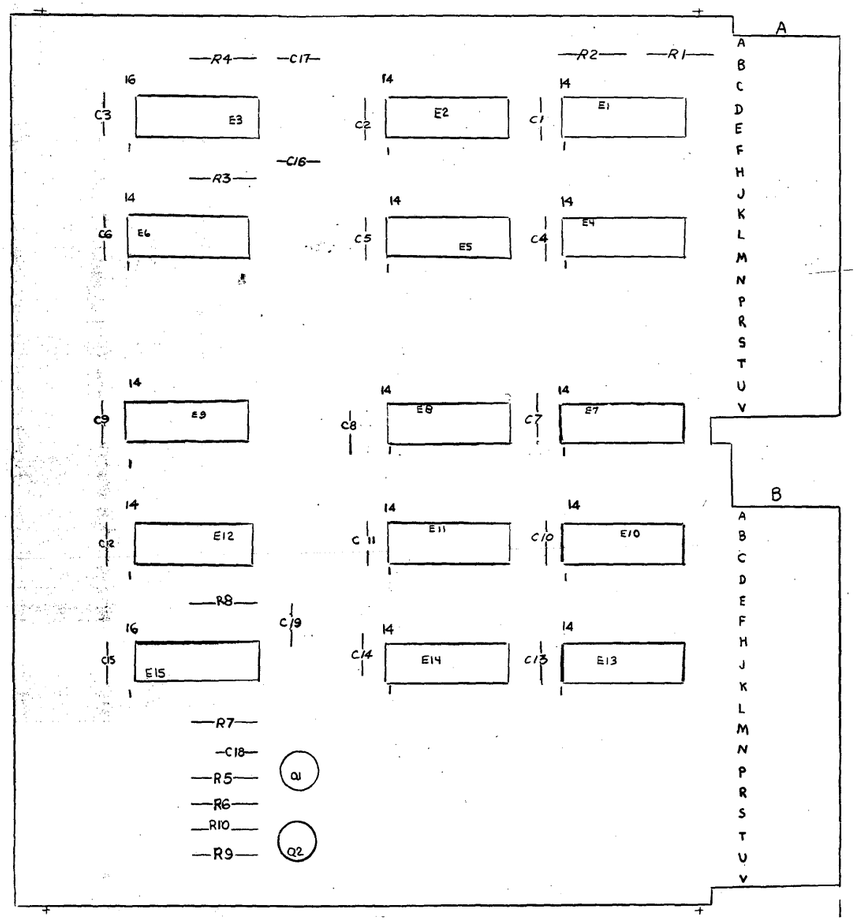
TITLE CRC AND WRITE GATING TU14

SIZE	CODE	NUMBER	REV
D	CS	M891-0-1	C

PRINTED CIRCUIT REV. D

DEC FORM NO. DRD 118

SIZE D | CODE CS | NUMBER M895-0-1 | REV J



QTY.	REF DESIGNATION	DESCRIPTION / PARTS LIST	DEC PART NO.	
				8
15	C1--15	CAP. .01UF 100V 20% DISC	1001610	7
1	C19	CAP. 820PF 100V 5% D.M	1000027	6
3	C16, 17, 18	CAP. 270PF 100V 5% D.M.	1000022	5
1	5009576	ETCHED CIRCUIT BOARD	5009574	4
		MODULE ECO HISTORY	B-MH-M895-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M895-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M895-0-4	1
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	26
4		EYELET #GS4-7	9006732	25
1	E8	I.C. DEC 7473	1905587	24
2	E3, 15	I.C. DEC 74123	1910436	23
2	E9, 12	I.C. DEC 74197	1910035	22
1	E4	I.C. DEC 7404	1909686	21
2	E5, 11	I.C. DEC 7402	1902084	20
1	E2	I.C. DEC 7453	1905582	19
1	E7	I.C. DEC 7410	1905576	18
2	E6, 14	I.C. DEC 7400	1905575	17
3	E1, 10, 13	I.C. DEC 7474	1905547	16
2	Q1, 2	TRANSISTOR DEC 3009B	1503100	15
1	R8	RES. 20K ¼W 5%	1302391	14
3	R5, 6, 9,	RES. 1.2K ¼W 5%	1301320	13
3	R3, 4, 7	RES. 10K ¼W 5%	1300479	12
1	R10	RES. 1K ¼W 5%	1300365	11
1	R2	RES. 330 ¼W 5%	1300295	10
1	R1	RES. 220 ¼W 5%	1300271	9

REVISIONS						
CHR	CHG NO	REV				
	10000	C				
		D				
		E				
		F				
		H				
		J				

DRN S COOPER 2-19-71
CHK'D DATE 4-6-71
ENG DATE
SPEC DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

SHEET 1 OF 2

TITLE: READ TIMING TU 15

SIZE D | CODE CS | NUMBER M895-0-1 | REV J

PRINTED CIRCUIT REV. H

DEC FORM NO. DEC 118

RC800L TU12 AK2 — E4 — AF2 RC800H
EDEN 5H TU13 AJ2
TU12 RC556L AE2 / TU13 EDEN8H AP1
E1, E1, E5, E5, E2, E3
C16 270PF 5% R3 10K
AH2 WRC H
AD2 WRC L
TU12 RSDOL AN1
FME H AV2
AR2 RST FMK L
AU2 RDACTV H
E8, E8, E6, E14
R1 220 / R2 330
TU13 RSTSEL L AU1
TU16 PCLR L AV1
TU12 CINIT H AM2 — E4
E7
BC1 MPCLR H
CWDR H BV1 — E5
E7, E11
AP2 CRCS CLK L
AT2 TRGR RDS L
CRCS CLK H BP2
E14, E14
R10 1K, R9 1.2K, Q2 DEC3009B, C19 820PF 5%, R8 20K
BF2 RD CLR H
BK2 RD CLR L
BM2 CRCS H
BH2 LRCS H
BM2 CRCS L
BJ2 LRCS L
E13, E13, E15, E11
E6, E5, E7
C2 4BIT BIN COUNTER CI SD DA DB DC DD RD E9
C17 270PF 5%, R4 10K, R5 1.2K, R6 1.2K, Q1 DEC3009B, C18 270PF 5%, R7 10K
BV2 RDS H
BB1 RDS L
AR1 ERDS H
BL2 ERDS L
E3, E15, E11
TU12 R7CH L BR2
TU12 C DEN 5H BS2
E14
BD2 7TR H
BD1 7TRL
E10
TU12 C SET H AF1 — E4 — AL1 C SET L
FMK CHR L TU17 BE2
E11, E10, E6
AL2 FMK L
E4
AS2 RSDO H
C2 4BIT BIN COUNTER CI SD DA DB DC DD RD E12
E6

UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 UF, 100V, 20%
RESISTORS ARE 1/4W, 5%
E1, E10 & E13 ARE DEC7474
E2 = DEC7453
E3 & E15 = DEC74123
E4 = DEC7404
E5 & E11 = DEC7402
E6 & E14 = DEC7400
E7 = DEC7410
E8 = DEC7473
E9 & E12 = DEC74197
PIN 7 = GND
PIN 14 = +5V ON E1, E2, E4, E5, E6, E7, E9, E10, E11, E12, E13 & E14
PIN 8 = GND
PIN 16 = +5V ON E3 & E15
PIN 11 = GND
PIN 4 = +5V ON E8

+5V AA2 BA2 — C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 — GND AC2 BC2 BT1 AT1

REVISIONS	CHG NO	REV
CHG		

DRN S. COOPER 2-19-71
CHK'D 4/8/71
ENG 5-1-71
PROD

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC7009B	HONE		

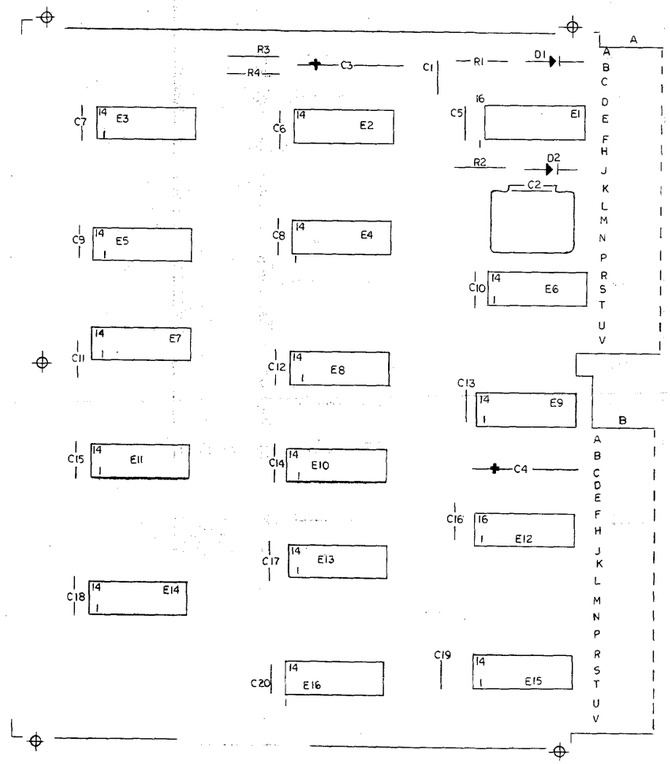
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

SHEET 2 OF 2

TITLE: READ TIMING TU15

SIZE	CODE	NUMBER	REV
D	CS	M895-0-1	J

DEC FORM NO. DRO 118



QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
		PARTS LIST	SHEET 1 OF 2	
		MODULE ECO HISTORY	D-AH-M892-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M892-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M892-0-4	1
1		ETCHED CIRCUIT BOARD	5009304	4
1	C1	CAP. 1200PF 100V 5%	1002424	5
1	C2	CAP. 2700PF 100V 5%	1001637	6
2	C3, 4	CAP. 6.8UF 35V 20% S. TANT	1000067	7
16	C5 thru C20	CAP. .01UF 100V 20% DISC	1001610	8
2	D1, 2	DIODE D664	1100114	9
1	R1	RES. 1.8K ¼W 5%	1300398	10
1	R2	RES. 7.5K ¼W 5%	1301422	11
1	R3	RES. 220 ¼W 5%	1300271	12
1	R4	RES. 330 ¼W 5%	1300295	13
1	E1	I.C. DEC 74123	1916456	14
1	E2	I.C. DEC 7440	1905579	15
5	E3, 5, 7, 11, 14	I.C. DEC 74197	1910035	16
3	E4, 8, 13	I.C. DEC 7402	1909004	17
2	E6, 16	I.C. DEC 7474	1905547	18
3	E9, 10, 15	I.C. DEC 7400	1905575	19
1	E12	I.C. DEC 8266	1909934	20
4		EYELET #G64-7	9006732	21
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	22

REVISIONS				
CHK CHG NO	REV			
CH	C	00001		
CH	D	00025		
CH	E	00065	MORGANSTERN	

DRN Nancy Moore DATE 2-23-71
CHK'D Lindsay DATE 4/29/71
ENG DATE
PROD DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE TU10 WRITE & GAP TIMING TU16

SIZE D | CODE CS | NUMBER M892-0-1 | REV E

PRINTED CIRCUIT REV. E

REV E | NUMBER M892-0-1 | SIZE D | CODE CS

DEC FORM NO. DRD 116

TUI3 SETF L BRI
TUI5 RD CLR L BPI
TUI1 RC 800 H BSI
EMD H AEI
EMD L ACI
MOVE L BU2
TUI3 RWCLR H BH2
TUI5 MPCLR H BN2
TUI7 ERD 2 L BFI
E BOT L BKI
TUI7 ERD 1 L BHI
TUI3 EWRE L BE1
TUI3 EWEXG H BM2
TUI7 ERD 7 L BD2
TUI7 ERD P L BF2
TUI3 EWFMK H BL2
DECL H AT2
BV2 MOVE H
AR2 READING H
BD1 AEMD L
BE2 ACCL H
BP2 ACCL L
AK2 EWFMK L
AJ2 CRC STRB L
W FMK CHR H BR2
W FMK CHR L AV1
TUI2 CWDR H BA1
M WRS H ABI
WRS L BBI
TUI5 WRC H AH2
M WRS L ADI
TUI5 WRC L BJ2
AP2 RST WR CNT L
7 TR H TUI5 AL2
LRC STRB L AA1
WRT RST L BK2
REC H AMI
REC L ASI
BA2, AA2 +5V
BT1, BC2, AT1, AC2

C2 2700PF 5% R2 7.5K
D2 D664
C1 1200PF 5% R1 1.8K
D1 D664

E1 10us
E1 1us
E2 4 BIT MULTIPLEXER
E3, E5, E7, E11, E14 4 BIT BIN COUNTER
E4, E8, E13
E6, E16
E9, E10
E15

C3 6.8UF 35V
C4 6.8UF 35V
C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20
R3 220
R4 330

UNLESS OTHERWISE INDICATED:
RESISTORS = 1/4W, 5%
CAPACITORS = .01UF, 100V, 20%
DEC74123 = E1
DEC7440 = E2
DEC74197 = E3, E5, E7, E11, E14
DEC7402 = E4, E8, E13
DEC7474 = E6, E16
DEC7400 = E9, E10, E15
DEC8266 = E12

PIN 7 = GND ON E2—E11, E13—E16
PIN 14 = +5V
PIN 8 = GND ON E1, E12
PIN 16 = +5V

SHEET 2 OF 2

REVISIONS	CHR	CHG NO	REV
	—		
	—		

DRN NANCY HOOKER DATE 2-23-71
CHK'D DATE 4-2-71
ENG. DATE 5-1-71
PROD DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

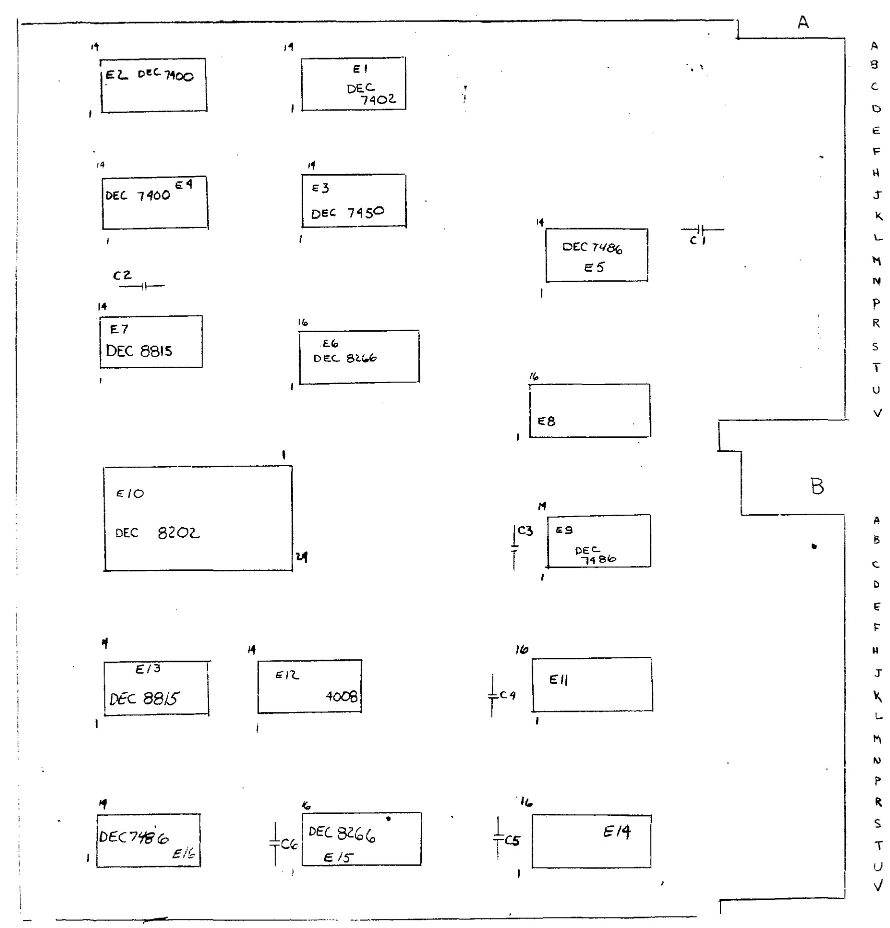
TITLE TUIO WRITE & GAP TIMING TUI6

SIZE	CODE	NUMBER	REV.
D	CS	M892—0—1	E

PRINTED CIRCUIT REV. E

DEC FORM NO. DRD 118

REV E | NUMBER M892-0-1 | SIZE D CODE CS



QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
2		HANDLE, FLIP CHIP - MAGETNA	9008337-06	16
4		EYELET #GS4-7	9006732	15
3	E5, 9, 16	I.C. DEC 7486	1910011	14
1	E10	I.C. DEC 8202	1910275	13
1	E12	I.C. DEC 4008P	1910270	12
2	E6, 15	I.C. DEC 8266	1909934	11
2	E7, 13	I.C. DEC 8815	1909713	10
3	E8, 11, 14	I.C. DEC 7475	1909050	9
1	E1	I.C. DEC 7402	1909004	8
1	E3	I.C. DEC 7450	1905580	7
2	E2, 4	I.C. DEC 7400	1905575	6
6	C1 - C6	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5009569	4
		MODULE ECO HISTORY	B-MH-M7673-0-6	3
		ASSY/DRILLING HOLE LAYOUT	-AH-M7673-0-5	2
		X-Y COORDINATE HOLE LOCATION	CO-M7673-0-4	1

PARTS LIST

SHEET 1 OF 2

REVISIONS		
CHK	CHG NO	REV

DRN.	Roger J. Doucette	DATE 4/1/71
CHK'D	Orduay	DATE 4/28/71
ENG.	H.L. McFarlane	DATE 5-1-71
PROD.	[illegible]	DATE 7/13/71

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE TU D DATA CHECKER TU17

SIZE	CODE	NUMBER	REV.
D	CS	M7673-0-1	A

PRINTED CIRCUIT RE

SIZE D | CODE CS | NUMBER M7673-0-1 | REV A

TU12 RRD0 L — BN1 — E11 — BF2 ERD0 L
TU15 ERDS L — BS2 — E11 — BN2 ERD0 H
TU12 RRD1 L — BM2 — E11 — BH1 ERD1 L
TU12 RRD2 L — BM1 — E11 — BK1 ERD2 L
TU12 RRD3 L — BL2 — E11 — BJ1 ERD1 H
TU12 RRD4 L — BD1 — E8 — BJ2 ERD2 H
TU12 RRD5 L — BD2 — E8 — BK2 ERD3 L
TU12 RRD6 L — AU1 — E8 — BL1 ERD3 H
TU12 RRD7 L — AV1 — E8 — AR1 ERD4 L
TU12 RRDP L — BU1 — E14 — BB1 ERD4 H
E8 — AS1 ERD5 L
E8 — AN2 ERD5 H
E8 — AT2 ERD6 L
E8 — AS2 ERD6 H
E8 — AU2 ERD7 L
E8 — AR2 ERD7 H
E14 — BS1 ERDP L
E14 — BR2 ERDP H

BRI PEVN H TU13

7TR H BE1 TU15

XRD0 L BU2 · XRD1 L BT2 · XRD2 L BV1 · XRD3 L BV2 — E15
XRD4 L AB1 · XRD5 L AH1 · XRD6 L AJ1 · XRD7 L AP1 — E6

E4, E3 → AH2 XRDP L

AK2 READING L TU16

AF2 READING H TU16

AL2 ERDS H TU15

AE1 AEMD L TU16

LRC0 H BP2 · LRC1 H BE2 · LRC2 H BF1 · LRC3 H BA1 · LRC4 H BC1 · LRC5 H AP2 · LRC6 H BH2 · LRC7 H AV2 · LRCP H AJ2 — E10

E9 · E5 · E12 · E16 · E2 · E13

AD1 CRCS H TU15

AA1 LRCS L TU15

AC1 VPE L

AD2 FMKCHR L

+5V AA2, BA2 — C1 — THRU — C6 — GND AT1, BT1, AC2, BC2

EFOR H AF1 — E4 — AE2 LRCE L

UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 UF, 100V, 20%
DEC7400 = E2, E4
DEC7402 = E1
DEC7450 = E3
DEC7486 = E5, E9, E16
DEC8815 = E7, E13
DEC8266 = E6, E15
DEC8202 = E10
DEC400B = E12
DEC7475 = E8, E11, E14
PIN 7 = GND ON E1–E5, E7, E9, E12, E13, E16
PIN 14 = +5V
PIN 12 = GND ON E8, E11, E14
PIN 5 = +5V
PIN 8 = GND ON E6, E15
PIN 16 = +5V
PIN 12 = GND ON E10
PIN 24 = +5V

SHEET 2 OF 2

REVISIONS | CHK | CHG NO | REV

DRN Ryan J. Emmett 9/1/71
CHK'D Ordway 9/28/71
ENG 5-1-71
PROD 12/21/71

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE TU-10 DATA CHECKER TU17

SIZE D | CODE CS | NUMBER M7673-0-1 | REV A

PRINTED CIRCUIT REV. B

REV A | NUMBER M7673-0-1 | SIZE D | CODE CS

DEC FORM NO. DRD 116

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R.J.EMMA	CHECKED [signature]	SECTION
DATE 2/18/71	DATE 4-15-71	1
ENG [signature]	PROD B Ecos	ISSUED SECT.
DATE 4-26-71	DATE 5-7-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
	GØ5Ø	DUAL GAP HEAD READ AMP	1
	GØ6Ø	MAG TAPE COMPRESSOR, 9 TRACK	1
	GØ62	MAG TAPE PEAK DITECTOR, 9TRACK	1
	GØ64	MAG TAPE SLICER, 9TRACK	1
	G35Ø	MAG TAPE WRITE DRIVER	1
	G741	NEG CLAMP LOAD	2
	G932	CAPSTAN SERVO PRE AMP	1
	G933	REEL MOTOR AMP	2
	MØ5Ø	INVERTER DRIVER	1
	M514	TU1Ø TRANSCEIVER	1
	W726	SWITCH FILTER	1
	M763	9 TRACK WRITE BUFFER	1
	M765	9 TRACK READ BUFFER	1
	M767	CLOCK & SKEW DELAY	1
	M768	DELAY SELECTOR	1
	M769	FUNCTION CONTROL	1
	M89Ø	MOTION CONTROL	1
	G9341	BRAKE ACTUATOR	1
	M767Ø	FORWARD BOT TIMER	1
	G9340	BRAKE LOGIC	1
	M640	BUS DRIVER	1
	M891	CRC AND WRITE GATING	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION (PL)	D-MU-TU1Ø-Ø-18	A	PL	TU1Ø-Ø-18	A	TU10-00050
	SHEET 1 OF 2	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R.J. EMMA	CHECKED [signature]	SECTION
DATE 2/18/71	DATE 4-15-71	1
ENG [signature]	PROD B Ecos	ISSUED SECT.
DATE 4-26-71	DATE 5-7-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
	M892	WRITE AND GAP TIMING	1
	M7673	DATA CHECKER	1
	M7672	COMMAND BUFFER	1
	M895	READ TIMING	1
	M7671	BUS DRIVER	1
	M100	BUS RECEIVER	1
	M958	POSITIVE BUS TERMINATOR	1
	G741YA	NEG. CLAMP LOAD	1
	M896	CRC CHECKER	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION (PL)	D-MU-TU1Ø-Ø-18	A	PL	TU1Ø-Ø-18	A	

| | SHEET 2 OF 2 | DIST. | | | | |

USAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	G933	G933	G934	G932	M908	M958	M929	M640	M891	M7673	M7672	M892	M895	M7671	M100	M767Ø	M903 CABLE	M903 CABLE	M903 CABLE	M768	M514	M922 CABLE
A	REEL MOTOR CKT	REEL MOTOR CKT		CAPSTAN SERVO PRE AMP	RELAY ENABLE LOGIC COMMON POWER ON POWER COMMON WTG PWR RELAY COIL LOGIC COMMON +12V UNI WRITE LOCK SERVO SIGNAL POWER COMMON +11 VOLTS	** POSITIVE BUS TERMINATOR	MASTER INTERFACE CABLE	MASTER INTERFACE BUS DRIVER	CRC AND WRITE GATING	DATA CHECKER	COMMAND BUFFER	WRITE AND GAP TIMING	READ TIMING	MASTER SLAVE BUS DRIVER	SLAVE MASTER BUS RCVR	FORWARD BOT TIMER	BDW 2 THRU BDW 7 BMP BDW 1 BDW Ø B REC B SEL Ø B SEL 1 B SEL 2 B STOP B ALFA B LRCC B EMD B SET / BREC B SEL Ø B SEL 1 B SEL 2 B STOP BALFA BLRCC BEMD B SET	TU-Ø8 BRD 2 THRU TU-Ø8 BRD 7 TU-Ø8 BRD P, 1, Ø B REV TU-Ø7 B BOT B EOT B WRL B RWS B 7CH B WRC B B8Ø Ø B SKEW / BREV B BOT B EJT BWRL BRWS	B DEN 5 B DEN 8 TU-Ø7 B SDWN TU-Ø7 B TUR / B DEN 5 B DEN 8	DELAY TRANSMITTER	BUS TRANSC	OFF LINE BULB M REW M FWD M REV OFF SW 1,2 4 +5V POWER ON BR BEL +5V BOT EMITTER FED C +5V EOT EMITER / +5V -15V LOGIC COMMON STOP L OFF LINE START ON LINE REW BULB FILE PROT BULB END PT BULB REV BULB FWD BULB LD PT BULB READY BULB WRITE BULB SEL BULB LOAD BULB PWR BULB
B			BRAKE ACTUATOR		G9340 BRAKE LOGIC										M8ØC CR C CHECKER		M903*** BDW 2 THRU BDW 7 BMP BDW 1 BDW Ø B REC B SEL Ø B SEL 1 B SEL 2 B STOP B ALFA B LRCC B EMD B SET / BREC B SEL Ø B SEL 1 B SEL 2 B STOP B ALFA B LRCC B EMD B SET	M903* TU-Ø8 BRD 2 THRU TU-Ø8 BRD 7 TU-Ø8 BRD P1, Ø B REV TU-Ø7 B BOT B EOT B WRL B RWS B 7CH B WRC B B8Ø Ø B SKEW / BREV B BOT B EOT BWRL BRWS	M903* B DEN'S B DEN 5 TU-Ø7 B SDWN TU-Ø7 B TUR / B DEN 5 B DEN 8			M767 / CLOCK + SKEW DELAY

USAGE	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	M8ØC	M890	M769	M763	G350	M765	G064	G062	G060	G050												
A	REW / FILE PROT / END POINT / REV / OFF LINE / FWD / LD PT / READY / WRITE / SEL / LOAD / PWR																					
B	W726 SWITCH FILTER	MOTION CONTROL	FUNCTION CONTROL	WRITE BUFFER	HEAD DRIVER	READ BUFFER	SLICER	PEAK DET	COMPRESSOR	READ AMP												

* FOR UNITS ON END OF BUS USE G741

** NOT REQUIRED WHEN TM1 CONTROL IS USED.

*** FOR UNITS ON END OF BUS USE G741 Y6

REVISIONS	CHANGE NO.	CHK	DATE
REV. A	TUIØ-CØØ5Ø		9-71

DEC FORM NO. DRD 112

FIRST USED ON OPTION/MODEL: TUIØ

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES

TOLERANCES: DECIMALS ± .005, FRACTIONS ± 1/64, ANGLES ± 0°30'

FINAL SURFACE QUALITY 63

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

FINISH —

		DATE
DRN	[illegible]	8-25-71
CHK	[illegible]	8-25-71
ENG	[illegible]	9-71
PROJ. ENG.	[illegible]	9-71
PROD.	[illegible]	9/11

NEXT HIGHER ASSY: H-ML-TUIØ-EH

SCALE —

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MODULE UTILIZATION

SIZE D | CODE MU | NUMBER TUIØ-Ø-18 | REV. A

DIST.

SIZE D | CODE MU | NUMBER TUIØ-Ø-18 | REV. A

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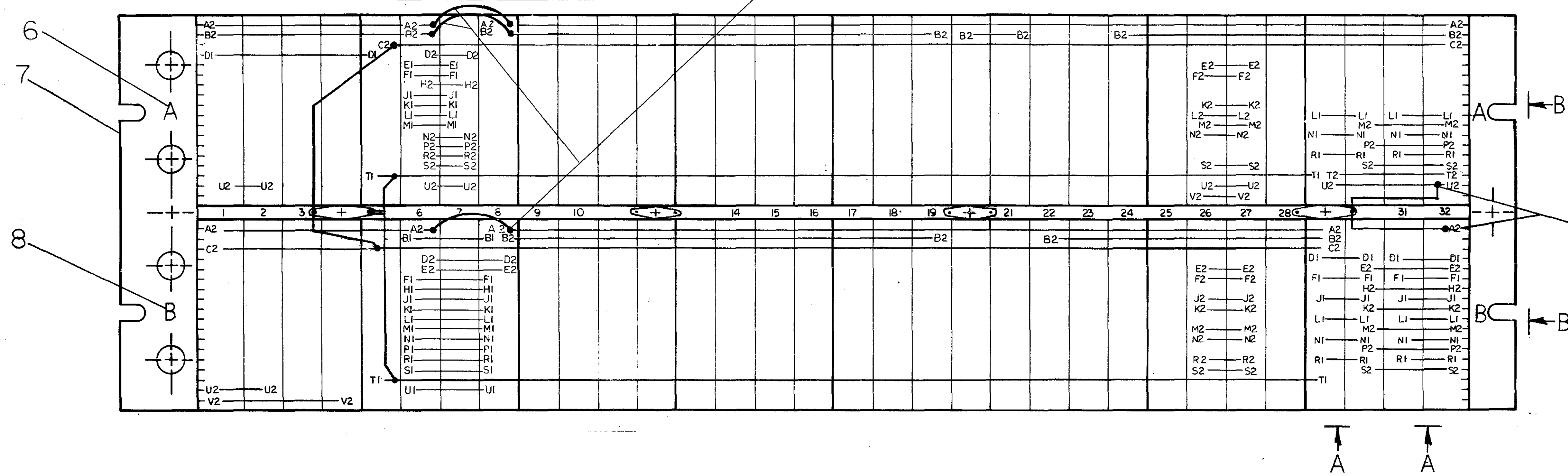
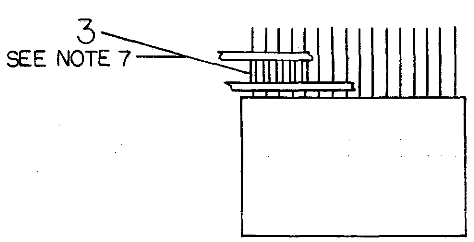
HORIZONTAL BUSSING, 2ND LEVEL					
A SIDE		B SIDE		B SIDE (CONITINUED)	
CONNECTIONS		CONNECTIONS		CONNECTIONS	
FROM	TO	FROM	TO	FROM	TO
A29 L2	A31 L2	B29 D2	B31 D2	BØ6 L2	BØ8 L2
A29 N2	A31 N2	B29 F2	B31 F2	BØ6 M2	BØ8 M2
A29 R2	A31 R2	B29 J2	B31 J2	BØ6 N2	BØ8 N2
A26 T2	A27 T2	B29 L2	B31 L2	BØ6 P2	BØ8 P2
		B29 N2	B31 N2	BØ6 R2	BØ8 R2
		B29 R2	B31 R2	BØ6 S2	BØ8 S2
		BØ6 A1	BØ8 A1	3Ø6 T2	BØ8 T2
		BØ6 C1	BØ8 C1	BØ6 U2	BØ8 U2
		BØ6 F2	BØ8 F2		
		BØ6 K2	BØ8 K2		

VERTICAL BUSSING, 2ND LEVEL			
A SIDE		B SIDE	
CONNECTIONS		CONNECTIONS	
FROM	TO	FROM	TO
A32 M2	A32 P2	B32 A2	B32 C2
A32 P2	A32 S2	B32 C2	B32 E2
A32 S2	A32 U2	B32 E2	B32 H2
		B32 H2	B32 K2
		B32 K2	B32 M2
		B32 [illegible]	B32 P2
		B32 P2	B32 S2

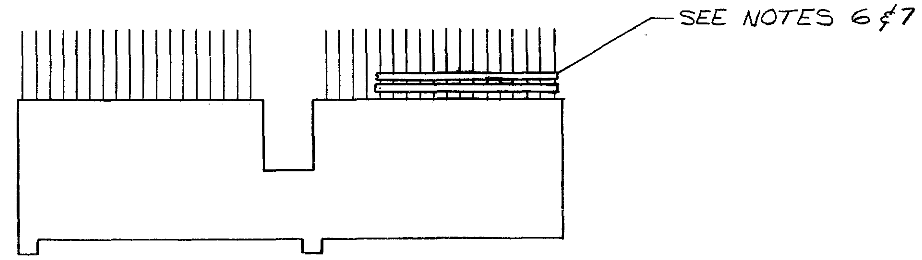
NOTES:

1. CONNECTIONS ON ITEM NUMBER 1 & 2 TO BE LOCATED AND SOLDERED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. ALL CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN,
3. JUMPER GROUND BUSSING AS SHOWN, 8 PLACES.
4. USE YELLOW WIRE (ITEM #4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #5) FOR HAND WRAPPED WIRING.
5. SOLDER GND WIRING AS SHOWN AFTER COMPLETING VERTICAL BUSSING
6. VERTICAL BUS WIRE TO BE SOLDERED AT EVERY PIN.
7. ITEM NO. 3 (NO. 22 TUBING) TO BE CUT .12 LG. AND INSTALLED AS INSULATION BETWEEN HORIZONTAL BUSSING LEVELS. NO INSULATION BETWEEN VERTICAL BUSING LEVEL.

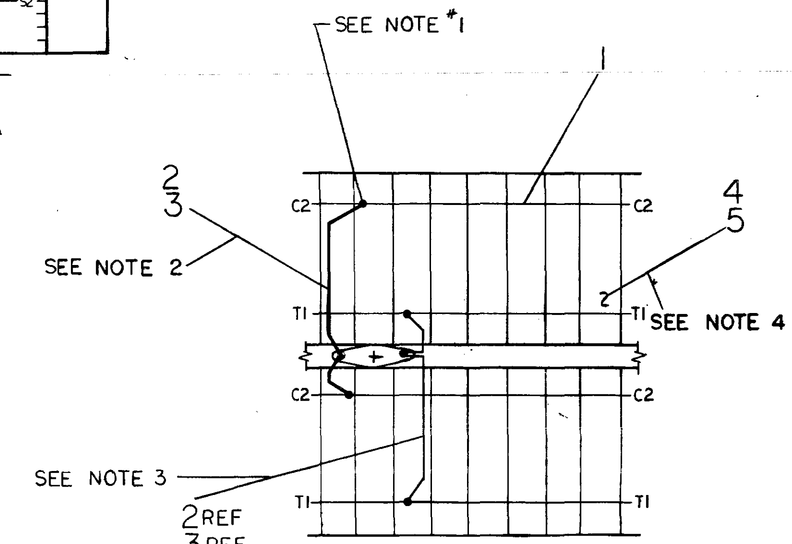




SECOND LEVEL BUSSING (HORIZONTAL)
VIEW A-A



SECOND LEVEL BUSSING (VERTICAL)
VIEW B-B



DETAIL A
3 PLACES
SEE NOTE 2

WIRE TABLE					
ITEM NO.	DESCRIPTION AWG.	COLOR	FROM CONNECTION	TO CONNECTION	SIGNAL NAME
9	24	RED	A22B2	A19B2	-15V
↕	↕	↕	B22B2	B19B2	-15V
↕	↕	↕	A20B2	B20B2	-15V INT
↕	↕	↕	A20B2	A16H2	-15V INT
9	24	RED	A22B2	A25B2	-15V

FIRST USED ON OPTION/MODEL: TUIØ

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —//—

FINISH —//—

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN [signature] DATE 12-15-70
CHK'D [signature] DATE 12-22-70
ENG. [signature] DATE 2-18-71
PROJ. ENG. [signature] DATE 2-18-71
PROD. B E Gors DATE 2-19-71

NEXT HIGHER ASSY C AD-7006754-0-0

SCALE NONE
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: WIRED ASS'Y TUIØ

SIZE D CODE AD NUMBER 7006755-0-0 REV. E

DIST.

REV.	CHANGE NO.	
A	TUIO-00025	BARDONE 3-23-71
B	TUIO-00030	BARDONE 4-21-71
C	TUIO-00042	BARDONE 5/4/71
D	TUIO-0006	BARDONE 6/22/71
E	TUIO-00030	MORGANSTERN / BARDONE

REVISIONS

DEC FORM NO. DRD 116

D AD-7006755-0-0 E

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R. ROBICHAUD	CHECKED J. FLEMING	SECTION
DATE 12-14-70	DATE 12-22-70	1
ENG J Burbank 2-18-71	PROD B E Goss	ISSUED SECT.
DATE	DATE 2-19-71	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	#22 AWG TUBING, TEFLON WHITE	A/R
4	9105740-44	WIRE, #30 AWG SOLID KYNAR INS (YEL)	A/R
5	9105740-66	WIRE, #30 AWG SOLID KYNAR INS (BLU)	A/R
6	B-DC-5308753-2-0	21 POINT DECALS	A/R
7	D-AD-5404491-0-0	H911 MTG PANEL	1
8	B-DC-5308753-4-0	21 POINT DECALS	A/R

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV	ECO NO
WIRED ASSY TU10	D-AD-[illegible]-0-0	A	PL	7006755-0-0	D	[illegible]
	SHEET 1 OF 1	DIST				

DEC FORM NO 1o 1031
DRA 110

DRWG NO
K-WL-TUIØ-Ø-2

REV LTR
H

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	TUIO-00029	3/26/71	DB
B	TUIO-00030	4-26-71	D.B.
C	TUIO-00037	5-24-71	D.B.
D	TUIO-00042	6-21-71	D.B.
E	TUIO-00049	9-10-71	
F	TUIO-00064	8-1-72	mwm
H	TUIO-00072	3-22-73	

DRAWN	A. Ramoudi	DATE 2-17-71
APPROVED	A Hagberg	DATE 3/17/71
ENG		DATE 2/22/71
PROJ ENG	D Bardeen	DATE 2/22/71
ENGR	BE Cross	DATE 2-23-71

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

ASSY NO
D-AD-7006755-0-0

SCALE NONE SHEET 1 OF 1

TITLE
WIRE LIST (TUIØ)

FOR TAPE# FILE#

SIZE	CODE	DWG. NO.	REV LTR
K	WL	TUIØ-Ø-2	H

DIST.

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
+11V		A05S1		1-01 *							1	VAC SW + PWR CONT			1
+11V		A16T2		1-02 *								FORWARD BOT TIMER			1
+11V				1									9-0/8		1
+12V		A01U2		1-01 *	2		R1				2	LOWER REEL MOTOR B			2
+12V		B01U2		1-02 *							1	LOWER REEL MOTOR B			2
+12V		B24U2		1-03 *							2	VAC SW+PWR CONT CO			2
+12V		B02U2		1-04 *							1	UPPER REEL MOTOR B			2
+12V		A02U2		1-05 *			R1				2	UPPER REEL MOTOR B			2
+12V		A16S2		1-06 *							1	FORWARD BOT TIMER			2
+12V		A04U2		1-07 *							2	CAPSTAN SERVO AMP			2
+12V		A01S1		1-08 *			I				1				2
+12V		A01U2		1-09 *			I					LOWER REEL MOTOR B			2
+12V				1									67-2/8		2
+12V INT		A05H1		1-01 *			R1				1	VAC SW+PWR CONT CO			3
+12V INT		B02S2		1-02 *			R1				2	UPPER REEL MOTORAM			3
+12V INT		B01S2		1-03 *			R1					LOWER REEL MOTORAM			3
+12V INT				1									11-4/8		3
+5V		A01A2		1-01 *							2	LOWER REEL MTR AMP			4
+5V		B01A2		1-02 *	H						1	LOWER REEL MOTORAM		HAND WIRE	4
+5V		A04A2		1-03 *							2	CAPSTAN SERVO AMP		TO HERE	4
+5V		B04A2		1-04 *	H						1	CAPSTAN SERVO AMP		HAND WIRE	4
+5V		A17A2		1-05 *							2	I/O BUS CONN 1 IN		TO HERE	4
+5V		B17A2		1-06 *	H						1	I/O BUS CONN 1 OUT		HAND WIRE	4
+5V		A22A2		1-07 *							2	CONTROL PANEL CABL		TO HERE	4
+5V		A22K1		1-08 *							1	TRANS PANEL CABLE			4
+5V		A22P1		1-09 *							2	TRANS PANEL CABLE			4
+5V		A22U1		1-10 *							1	TRANS PANEL CABLE			4
+5V		B22A2		1-11 *	H						2	CLOCK + SKEW DELAY		HAND WIRE	4
+5V		A29A2		1-12 *							1	SLICER		TO HERE	4
+5V		B28A2		1-13 *								READ BUFFER			4
+5V				1									73-2/8		4
-12V		A04V2		1-01 *							1	APSTAN SERVO AMP			5
-12V		B04V2		1-02 *	H						2	CAPSTAN SERVO AMP		HAND WIRE	5
-12V		B01V2		1-03 *				I			1			TO HERE	5
-12V		A23B2		1-04 *				I			2				5
-12V		B02V2		1-05 *				I							5
-12V				1									47-2/8		5

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
-15V		A09B2		1-01 *							2	SLICER			6
-15V		B09B2		1-02 *	H						1	READ BUFFER		HAND WIRE	6
-15V		A13B2		1-03 *							2	HEAD DRIVER		TO HERE	6
-15V		B13B2		1-04 *	H						1	CLOCK + SKEW DELAY		HAND WIRE	6
-15V		A17B2		1-05 *							2	I/O BUS CONN 1 IN		TO HERE	6
-15V		B17B2		1-06 *	H						1	I/O BUS CONN 1 OUT		HAND WIRE	6
-15V		A24B2		1-07 *							2	MOTION CONTROL		TO HERE	6
-15V		B24B2		1-08 *	H						1	MOTION CONTROL		HAND WIRE	6
-15V		A27B2		1-09 *							2	HEAD DRIVER		TO HERE	6
-15V		A27P2		1-10 *							1	HEAD DRIVER			6
-15V		A27R2		1-11 *							2	HEAD DRIVER			6
-15V		B28B2		1-12 *	H						1	WRITE BUFFER		HAND WIRE	6
-15V		A22B2	A19B2	1-13 *					I		2			TO HERE	6
-15V		A19B2		1-14 *	H						1			HAND WIRE	6
-15V		A25B2	B22B2	1-15 *					I		2			TO HERE	6
-15V		B22B2	B19B2	1-16 *	H						1			HAND WIRE	6
-15V		B19B2		1-17 *										TO HERE	6
-15V				1									94-0/8		6
-15V INT		A16H2		1-01 *	H						2			HAND WIRE	7
-15V INT		A20B2		1-02 *	H						1			HAND WIRE	7
-15V INT		B20B2		1-03 *										TO HERE	7
-15V INT				1									11-4/8		7
-2.4V		A16F2		1-01 *							1	FORWARD BOT TIMER			8
-2.4V		B21D2		1-02 *								BUS TRASCEIVER			8
-2.4V				1									6-5/8		8
7 TR	H	A12L2		1-01 *							2	WRITE + GAP TIMING			9
7 TR	H	A09P1		1-02 *							1	CRC + WRITE GATING			9
7 TR	H	B10E1		1-03 *							2	DATA CHECKER			9
7 TR	H	B13D2		1-04 *								READ TIMING			9
7 TR				1									15-4/8		9
ACCL	L	B12P2		1-01 *							1	WRITE + GAP TIMING			10
ACCL	L	B14P1		1-02 *								MASTER SLAVE BD			10
ACCL				1									3-6/8		10
AEMD	L	B15M2		1-01 *					I		1	CRC CHECKER			11
AEMD	L	A10E1		1-02 *					R1		2	DATA CHECKER			11
AEMD	L	B09U2		1-03 *					R1		1	CRC + WRITE GATING			11
AEMD	L	B12D1		1-04 *					R1			WRITE + GAP TIMING			11
AEMD				1									20-7/8		11

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
B ALPHA		A17P2		1-01 *							1	I/O BUS CONN 1 IN			12
B ALPHA		B14N1		1-02 *							2	MASTER SLAVE BD			12
B ALPHA		B17P2		1-03 *							1	I/O BUS CONN 1 OUT			12
B ALPHA		B20U2		1-04 *								DELAY XMTR			12
B ALPHA				1									17-0/8		12
B BOT		A14H1		1-01 *							1	MASTER SLAVE BD			13
B BOT		A18E2		1-02 *							2	I/O BUS CONN 2 IN			13
B BOT		A21U1		1-03 *							1	BUS TRANSCEIVER			13
B BOT		B18E2		1-04 *								I/O BUS CONN 2 OUT			13
B BOT				1									15-3/8		13
B DEN		A19E2		1-01 *							1	I/O BUS CONN 3 IN			14
B DEN		B21L2		1-02 *							2	BUS TRANSCEIVER			14
B DEN		B19E2		1-03 *							1	I/O BUS CONN 3 OUT			14
B DEN		B14F1		1-04 *								MASTER SLAVE BD			14
B DEN				1									17-7/8		14
B DEN		A19H2		1-01 *							1	I/O BUS CONN 3 IN			15
B DEN		B21L1		1-02 *							2	BUS TRANSCEIVER			15
B DEN		B19H2		1-03 *							1	I/O BUS CONN 3 OUT			15
B DEN		B14J1		1-04 *								MASTER SLAVE BD			15
B DEN				1									17-0/8		15
B SEL		A17E2		1-01 *							1	I/O BUS CONN 1 IN			16
B SEL		B21E2		1-02 *							2	BUS TRANSCEIVER			16
B SEL		B17E2		1-03 *							1	I/O BUS CONN 1 OUT			16
B SEL		B14V2		1-04 *								MASTER SLAVE BD			16
B SEL				1									17-3/8		16
B SEL		A17H2		1-01 *							1	I/O BUS CONN 1 IN			17
B SEL		B14M1		1-02 *							2	MASTER SLAVE BD			17
B SEL		B17H2		1-03 *							1	I/O BUS CONN 1 OUT			17
B SEL		B21M2		1-04 *								BUS TRANSCEIVER			17
B SEL				1									18-6/8		17
B SEL		A17K2		1-01 *							1	I/O BUS CONN 1 IN			18
B SEL		B21K1		1-02 *							2	BUS TRANSCEIVER			18
B SEL		B17K2		1-03 *							1	I/O BUS CONN 1 OUT			18
B SEL		B14R2		1-04 *								MASTER SLAVE BD			18
B SEL				1									17-2/8		18
B SELR	L	A19D2		1-01 *							1	BUS CONNECTOR M903			19
B SELR	L	B19D2		1-02 *								BUS CONNECTOR M903			19
B SELR				1									5-6/8		19

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
B SET		A14P2		1-01 *							2	MASTER SLAVE B			20
B SET		A17V2		1-02 *							1	I/O BUS CONN 1 IN			20
B SET		B21E1		1-03 *							2	BUS TRANSCEIVER			20
B SET		B17V2		1-04 *								I/O BUS CONN 1 OUT			20
B SET				1									16-0/8		20
B SKEW		A15S2		1-01 *							2	BUS DATA INTERFACE			21
B SKEW		A18V2		1-02 *							1	I/O BUS CONN 2 IN			21
B SKEW		B20P1		1-03 *							2	DELAY XMTR			21
B SKEW		B18V2		1-04 *								I/O BUS CONN 2 OUT			21
B SKEW				1									14-6/8		21
B STOP		A17M2		1-01 *							1	I/O BUS CONN 1 IN			22
B STOP		B14H2		1-02 *							2	MASTER SLAVE BD			22
B STOP		B17M2		1-03 *							1	I/O BUS CONN 1 OUT			22
B STOP		B21V1		1-04 *								BUS TRANSCEIVER			22
B STOP				1									17-2/8		22
B7CH		A15K2		1-01 *							1	BUS DATA INTERFACE			23
B7CH		A18P2		1-02 *							2	I/O BUS CONN 2 IN			23
B7CH		A21V1		1-03 *							1	BUS TRANSCEIVER			23
B7CH		B18P2		1-04 *								I/O BUS CONN 2 OUT			23
B7CH				1									16-3/8		23
BC 556	H	A15M2		1-01 *			I				2				24
BC 556	H	A18S2		1-02 *			I				1				24
BC 556	H	B18S2		1-03 *			I				2				24
BC 556	H	B20M1		1-04 *			I								24
BC 556				1									14-5/8		24
BC 800		A15P2		1-01 *							2	BUS DATA INTERFACE			25
BC 800		A18T2		1-02 *							1	I/O BUS CONN 2 IN			25
BC 800		B20S2		1-03 *							2	DELAY XMTR			25
BC 800		B18T2		1-04 *								I/O BUS CONN 2 OUT			25
BC 800				1									15-4/8		25
BEMD		A17T2		1-01 *							2	I/O BUS CONN 1 IN			26
BEMD		B14K1		1-02 *							1	MASTER SLAVE BD			26
BEMD		B17T2		1-03 *							2	I/O BUS CONN 1 OUT			26
BEMD		B20V2		1-04 *								DELAY XMTR			26
BEMD				1									16-2/8		26
BECT		A14K1		1-01 *							2	MASTER SLAVE BD			27
BECT		A18H2		1-02 *							1	I/O BUS CONN 2 IN			27
BECT		B18H2		1-03 *							2	I/O BUS CONN 2 OUT			27
BECT		B21H1		1-04 *								BUS TRANSCEIVER			27
BECT				1									15-4/8		27

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
[illegible]		A17S2		1-01 *							1	I/O BUS CONN 1 IN			28
[illegible]		B21P2		1-02 *							2	BUS TRANSCEIVER			28
[illegible]		B17S2		1-03 *							1	I/O BUS CONN 1 OUT			28
[illegible]		B14U2		1-04 *								MASTER SLAVE BD			28
[illegible]				1									16-5/8		28
BOT	L	A16N2		1-01 *							2	FORWARD BOT TIMER			29
BOT	L	B21J2		1-02 *							1	BUS TRANSCEIVER			29
BOT	L	A23L2		1-03 *							2	LAMP DRIVER			29
BOT	L	A25A1		1-04 *								FUNCTION CONTROL			29
BOT				1									17-4/8		29
BOT EMIT		A22R1		1-01 *							1	TRANS PANEL CABLE			30
BOT EMIT		A25C1		1-02 *								FUNCTION CONTROL			30
BOT EMIT				1									5-0/8		30
BR PWR		A16R2		1-01 *	1		R1				2	FORWARD BOT TIMER			31
BR PWR		B03U2		1-02 *			R1				1	BRAKE ACUTATOR			31
BR PWR		A16R2		1-03 *			I					FORWARD BOT TIMER			31
BR PWR				1									25-4/8		31
BR REL	L	B23U1		1-01 *							1	SWITCH FILTER			32
BR REL	L	B24B1		1-02 *								MOTION CONTROL			32
BR REL				1									5-4/8		32
BR REL SW		A22N1		1-01 *							1	TRANS PANEL CABLE			33
BR REL SW		B23E1		1-02 *								SWITCH FILTER			33
BR REL SW				1									5-2/8		33
BRD0		A15F1		1-01 *							2	BUS DATA INTERFACE			34
BRD0		A18S1		1-02 *							1	I/O BUS CONN 2 IN			34
BRD0		B18S1		1-03 *							2	I/O BUS CONN 2 OUT			34
BRD0		B20R2		1-04 *								DELAY XMTR			34
BRD0				1									15-0/8		34
BRD1		A15J1		1-01 *							2	BUS DATA INTERFACE			35
BRD1		A18P1		1-02 *							1	I/O BUS CONN 2 IN			35
BRD1		B18P1		1-03 *							2	I/O BUS CONN 2 OUT			35
BRD1		B20P2		1-04 *								DELAY XMTR			35
BRD1				1									15-0/8		35
BRD2		A18B1		1-01 *							2	I/O BUS CONN 2 IN			36
BRD2		A15L1		1-02 *							1	BUS DATA INTERFACE			36
BRD2		B18B1		1-03 *							2	I/O BUS CONN 2 OUT			36
BRD2		B20C1		1-04 *								DELAY XMTR			36
BRD2				1									14-4/8		36

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BRD3		A18D1		1-01 *							2	I/O BUS CONN 2 IN			37
BRD3		A15N1		1-02 *							1	BUS DATA INTERFACE			37
BRD3		B18D1		1-03 *							2	I/O BUS CONN 2 OUT			37
BRD3		B20D1		1-04 *								DELAY XMTR			37
BRD3				1									14-4/8		37
BRD4		A18E1		1-01 *							2	I/O BUS CONN 2 IN			38
BRD4		A15R1		1-02 *							1	BUS DATA INTERFACE			38
BRD4		B18E1		1-03 *							2	I/O BUS CONN 2 OUT			38
BRD4		B20M2		1-04 *								DELAY XMTR			38
BRD4				1									14-6/8		38
BRD5		A18H1		1-01 *							2	I/O BUS CONN 2 IN			39
BRD5		A15V1		1-02 *							1	BUS DATA INTERFACE			39
BRD5		B18H1		1-03 *							2	I/O BUS CONN 2 OUT			39
BRD5		B20B1		1-04 *								DELAY XMTR			39
BRD5				1									14-5/8		39
BRD6		A15E2		1-01 *							2	BUS DATA INTERFACE			40
BRD6		A18J1		1-02 *							1	I/O BUS CONN 2 IN			40
BRD6		B20F1		1-03 *							2	DELAY XMTR			40
BRD6		B18J1		1-04 *								I/O BUS CONN 2 OUT			40
BRD6				1									15-4/8		40
BRD7		A15H2		1-01 *							2	BUS DATA INTERFACE			41
BRD7		A18L1		1-02 *							1	I/O BUS CONN 2 IN			41
BRD7		B18L1		1-03 *							2	I/O BUS CONN 2 OUT			41
BRD7		B20N2		1-04 *								DELAY XMTR			41
BRD7				1									15-0/8		41
BRDP		A15D1		1-01 *							2	BUS DATA INTERFACE			42
BRDP		A18M1		1-02 *							1	I/O BUS CONN 1 IN			42
BRDP		B20J1		1-03 *							2	DELAY XMTR			42
BRDP		B18M1		1-04 *								I/O BUS CONN 1 OUT			42
BRDP				1									16-0/8		42
BREC		A17D2		1-01 *							1	I/O BUS CONN 1 IN			43
BREC		B14N2		1-02 *							2	MASTER SLAVE BD			43
BREC		B17D2		1-03 *							1	I/O BUS CONN 1 OUT			43
BREC		B21N2		1-04 *								BUS TRANSCEIVER			43
BREC				1									19-4/8		43
BREV		A16E2		1-01 *							2	FORWARD BOT TIMER			44
BREV		A18D2		1-02 *							1	I/O BUS CONN 2 IN			44
BREV		B18D2		1-03 *							2	I/O BUS CONN 2 OUT			44
BREV		B14D1		1-04 *								MASTER SLAVE BD			44
BREV				1									15-2/8		44

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BSDWN		A19K2		1-01 *							2	I/O BUS CONN 3 IN			45
BSDWN		A15U2		1-02 *							1	BUS DATA INTERFACE			45
BSDWN		B19K2		1-03 *							2	I/O BUS CONN 3 OUT			45
BSDWN		B20S1		1-04 *								DELAY XMTR			45
BSDWN				1									15-5/8		45
BTUR		A15A1		1-01 *							1	BUS DATA INTERFACE			46
BTUR		A19M2		1-02 *							2	I/O BUS CONN 3 IN			46
BTUR		B20K1		1-03 *							1	DELAY XMTR			46
BTUR		B19M2		1-04 *								I/O BUS CONN 3 OUT			46
BTUR				1									15-0/8		46
BWD0		A26H1		1-01 *							1	WRITE BUFFER			47
BWD0		A17S1		1-02 *							2	I/O BUS CONN 1 IN			47
BWD0		A14P1		1-03 *							1	MASTER SLAVE BD			47
BWD0		B17S1		1-04 *								I/O BUS CONN 1 OUT			47
BWD0				1									20-6/8		47
BWD1		A26J1		1-01 *							1	WRITE BUFFER			48
BWD1		A17P1		1-02 *							2	I/O BUS CONN 1 IN			48
BWD1		B14C1		1-03 *							1	MASTER SLAVE BD			48
BWD1		B17P1		1-04 *								I/O BUS CONN 1 OUT			48
BWD1				1									18-4/8		48
BWD2		A26E1		1-01 *							1	WRITE BUFFER			49
BWD2		A17B1		1-02 *							2	I/O BUS CONN 1 IN			49
BWD2		A14M1		1-03 *							1	MASTER SLAVE BD			49
BWD2		B17B1		1-04 *								I/O BUS CONN 1 OUT			49
BWD2				1									18-4/8		49
BWD3		A26K1		1-01 *							1	WRITE BUFFER			50
BWD3		A17D1		1-02 *							2	I/O BUS CONN 1 IN			50
BWD3		A14K2		1-03 *							1	MASTER SLAVE BD			50
BWD3		B17D1		1-04 *								I/O BUS CONN 1 OUT			50
BWD3				1									19-3/8		50
BWD4		A26D1		1-01 *							1	WRITE BUFFER			51
BWD4		A17E1		1-02 *							2	I/O BUS CONN 1 IN			51
BWD4		A14F1		1-03 *							1	MASTER SLAVE BD			51
BWD4		B17E1		1-04 *								I/O BUS CONN 1 OUT			51
BWD4				1									19-2/8		51
BWD5		A26J2		1-01 *							1	WRITE BUFFER			52
BWD5		A17H1		1-02 *							2	I/O BUS CONN 1 IN			52
BWD5		A14D2		1-03 *							1	MASTER SLAVE BD			52
BWD5		B17H1		1-04 *								I/O BUS CONN 1 OUT			52
BWD5				1									19-6/8		52

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BWD6		A14A1		1-01 *							1	MASTER SLAVE BD			53
BWD6		A17J1		1-02 *							2	I/O BUS CONN 1 IN			53
BWD6		B17J1		1-03 *							1	I/O BUS CONN 1 OUT			53
BWD6		A26H2		1-04 *								WRITE BUFFER			53
BWD6				1									21-6/8		53
BWD7		A26D2		1-01 *							1	WRITE BUFFER			54
BWD7		A17L1		1-02 *							2	I/O BUS CONN 1 IN			54
BWD7		B14F2		1-03 *							1	MASTER SLAVE BD			54
BWD7		B17L1		1-04 *								I/O BUS CONN 1 OUT			54
BWD7				1									19-6/8		54
BWDP		A26F1		1-01 *							1	WRITE BUFFER			55
BWDP		A17M1		1-02 *							2	I/O BUS CONN 1 IN			55
BWDP		B17M1		1-03 *							1	I/O BUS CONN 1 OUT			55
BWDP		B14S1		1-04 *								MASTER SLAVE BD			55
BWDP				1									19-0/8		55
BWFL		A14B1		1-01 *							1	MASTER SLAVE BD			56
BWFL		A18K2		1-02 *							2	I/O BUS CONN 2 IN			56
BWFL		A16U2		1-03 *							1	FORWARD BOT TIMER			56
BWFL		B18K2		1-04 *							2	I/O BUS CONN 2 OUT			56
BWFL		B20N1		1-05 *								DELAY XMTR			56
BWFL				1									20-4/8		56
BWFS		A14E1		1-01 *							2	MASTER SLAVE BD			57
BWFS		A18M2		1-02 *							1	I/O BUS CONN 2 IN			57
BWFS		B18M2		1-03 *							2	I/O BUS CONN 2 OUT			57
BWFS		B21P1		1-04 *								BUS TRANSCEIVER			57
BWFS				1									16-2/8		57
C 556	L	B20R1		1-01 *					I		1				58
C 556	L	B22V1		1-02 *					I						58
C 556				1									4-4/8		58
C DEN 5	H	A07F1		1-01 *							2	MASTER INT CABLE			59
C DEN 5	H	A11R2		1-02 *							1	COMMAND BUFFER			59
C DEN 5	H	B13S2		1-03 *								READ TIMING			59
C DEN 5				1									13-0/8		59
C DEN 8	H	A07E1		1-01 *							1	MASTER INT CABLE			60
C DEN 8	H	A11S2		1-02 *								COMMAND BUFFER			60
C DEN 8				1									6-4/8		60
C FOR	H	A07K1		1-01 *							1	MASTER INT CABLE			61
C FOR	H	A11L1		1-02 *								COMMAND BUFFER			61
C FOR				1									5-2/8		61

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
C INIT	H	A07P2		1-01 *							1	MASTER INT CABLE			62
C INIT	H	A13M2		1-02 *								READ TIMING			62
C INIT				1									6-2/8		62
C PEVN	H	A06T2		1-01 *							2	MASTER CABLE DUPLE			63
C PEVN	H	A07T2		1-02 *							1	MASTER INT CABLE			63
C PEVN	H	A11T2		1-03 *								COMMAND BUFFER			63
C PEVN				1									8-4/8		63
C REV	H	A07N2		1-01 *							1	MASTER INT CABLE			64
C REV	H	A11M1		1-02 *								COMMAND BUFFER			64
C REV				1									4-6/8		64
C REW	H	A07L1		1-01 *							1	MASTER INT CABLE			65
C REW	H	A11K1		1-02 *								COMMAND BUFFER			65
C REW				1									5-0/8		65
C SEL 0	H	A06A1		1-01 *							2	MASTER CABLE DUPLE			66
C SEL 0	H	A07A1		1-02 *							1	MASTER INT CABLE			66
C SEL 0	H	B11T2		1-03 *								COMMAND BUFFER			66
C SEL 0				1									13-4/8		66
C SEL 1	H	A06B1		1-01 *							2	MASTER CABLE DUPLE			67
C SEL 1	H	A07B1		1-02 *							1	MASTER INT CABLE			67
C SEL 1	H	B11S2		1-03 *								COMMAND BUFFER			67
C SEL 1				1									13-0/8		67
C SEL 2	H	A06C1		1-01 *							2	MASTER CABLE DUPLE			68
C SEL 2	H	A07C1		1-02 *							1	MASTER INT CABLE			68
C SEL 2	H	B11R2		1-03 *								COMMAND BUFFER			68
C SEL 2				1									13-0/8		68
C SET	H	A07R2		1-01 *							1	MASTER INT CABLE			69
C SET	H	A13F1		1-02 *								READ TIMING			69
C SET				1									6-6/8		69
C SET	L	A11J1		1-01 *							1	COMMAND BUFFER			70
C SET	L	A13L1		1-02 *								READ TIMING			70
C SET				1									4-2/8		70
C STROBE		A26U1		1-01 *							1	WRITE BUFFER			71
C STROBE		B21S2		1-02 *								BUS TRANSCEIVER			71
C STROBE				1									6-3/8		71

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
C WDR	H	A07S2		1-01 *							1	MASTER INT CABLE			72
C WDR	H	B12A1	B13V1	1-02 *							2	WRITE + GAP TIMING			72
C WDR	H	B13V1		1-03 *											72
C WDR				1									12-0/8		72
C WEXG	H	A07J1		1-01 *							1	MASTER INT CABLE			73
C WEXG	H	A11U2		1-02 *								COMMAND BUFFER			73
C WEXG				1									6-2/8		73
C WFMK	H	A07U2		1-01 *							1	MASTER INT CABLE			74
C WFMK	H	A11V2		1-02 *								COMMAND BUFFER			74
C WFMK				1									5-2/8		74
C WRE	H	A07M1		1-01 *							1	MASTER INT CABLE			75
C WRE	H	A11F1		1-02 *								COMMAND BUFFER			75
C WRE				1									5-6/8		75
CLEAR FUNCTION	L	A21H2		1-01 *							1	BUS TRANSCEIVER			76
CLEAR FUNCTION	L	B25V2		1-02 *								FUNCTION CONTROL			76
CLEAR FUNCTION				1									9-2/8		76
CLOCK	L	A16D2		1-01 *							1	FORWARD BOT TIMER			77
CLOCK	L	B20T2		1-02 *							2	DELAY XMTR			77
CLOCK	L	B22D1		1-03 *							1	CLOCK + SKEW DELAY			77
CLOCK	L	B26K1		1-04 *							2	WRITE BUFFER			77
CLOCK	L	B28E2		1-05 *								READ BUFFER			77
CLOCK				1									24-6/8		77
CRCE	L	B15S2		1-01 *					I		1	CRC CHECKER			78
CRCE	L	A08P2		1-02 *					I			MASTER INT B			78
CRCE				1									8-0/8		78
CRCS	H	A10D1		1-01 *					R1		1	DATA CHECKER			79
CRCS	H	B13N2		1-02 *					R1		2	READ TIMING			79
CRCS	H	B15U2		1-03 *					I			CRC CHECKER			79
CRCS				1									12-5/8		79
CRCS	L	A08C1		1-01 *							1	MASTER INT BD			80
CRCS	L	B13M2		1-02 *								READ TIMING			80
CRCS				1									8-7/8		80
CRCS CLK	H	A13N2		1-01 *							1	READ TIMING			81
CRCS CLK	H	B13P2		1-02 *								READ TIMING			81
CRCS CLK				1									6-0/8		81

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
CRL STR 3	L	A09E1		1-01 *							1	CRC + WRITE GATING			82
CRL STR 3	L	A12J2		1-02 *								WRITE + GAP TIMING			82
CRL STR 3				1									5-2/8		82
CWD 2	H	A06D2		1-01 *							1	MASTER CABLE DUPLE			83
CWD 2	H	A09S1		1-02 *								CRC + WRITE GATING			83
CWD 2				1									4-6/8		83
CWD 1	H	A06E2		1-01 *							2	MASTER CABLE DUPLE			84
CWD 1	H	A07E2		1-02 *							1	MASTER INT CABLE			84
CWD 1	H	A09R1		1-03 *								CRC + WRITE GATING			84
CWD 1				1									7-7/8		84
CWD 2	H	A06F2		1-01 *							2	MASTER CABLE DUPLE			85
CWD 2	H	A07F2		1-02 *							1	MASTER INT CABLE			85
CWD 2	H	B09L1		1-03 *								CRC + WRITE GATING			85
CWD 2				1									10-4/8		85
CWD 3	H	A07H2		1-01 *							1	MASTER INT CABLE			86
CWD 3	H	A09B1		1-02 *								CRC + WRITE GATING			86
CWD 3				1									4-1/8		86
CWD 4	H	A06J2		1-01 *							2	MASTER CABLE DUPLE			87
CWD 4	H	A07J2		1-02 *							1	MASTER INT CABLE			87
CWD 4	H	B09H1		1-03 *								CRC + WRITE GATING			87
CWD 4				1									9-6/8		87
CWD 5	H	A06K2		1-01 *							2	MASTER CABLE DUPLE			88
CWD 5	H	A07K2		1-02 *							1	MASTER INT CABLE			88
CWD 5	H	B09J1		1-03 *								CRC + WRITE GATING			88
CWD 5				1									10-0/8		88
CWD 6	H	A06L2		1-01 *							2	MASTER CABLE DUPLE			89
CWD 6	H	A07L2		1-02 *							1	MASTER INT CABLE			89
CWD 6	H	B09D1		1-03 *								CRC + WRITE GATING			89
CWD 6				1									9-2/8		89
CWD 7	H	A06M2		1-01 *							2	MASTER CABLE DUPLE			90
CWD 7	H	A07M2		1-02 *							1	MASTER INT CABLE			90
CWD 7	H	B09C1		1-03 *								CRC + WRITE GATING			90
CWD 7				1									9-0/8		90
D LD PULSE	L	B05F1		1-01 *					I		1	BRAKE LOGIC			91
D LD PULSE	L	A03V2		1-02 *					I			BRAKE ACTUATOR			91
D LD PULSE				1									4-7/8		91

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
DELAY STROBE	L	A28V1		1-01 *							1	READ BUFFER			92
DELAY STROBE	L	B22N1		1-02 *							2	CLOCK + SKEW DELAY			92
DELAY STROBE	L	B20H1		1-03 *								DELAY XMTR			92
DELAY STROBE				1									12-4/8		92
DEN 5	L	B21K2		1-01 *							1	BUS TRANSCEIVER			93
DEN 5	L	B22J1		1-02 *								CLOCK + SKEW DELAY			93
DEN 5				1									2-7/8		93
DEN 6	L	B21M1		1-01 *					R1		2	BUS TRANSCEIVER			94
DEN 6	L	B22L2		1-02 *					R1		1	CLOCK + SKEW DELAY			94
DEN 6	L	B22K2		1-03 *					I			CLOCK + SKEW DELAY			94
DEN 6				1									6-3/8		94
DLY FOR	H	A04F2		1-01 *					R1		1	CAPSTAN SERVO AMP			95
DLY FOR	H	A16L2		1-02 *					R1			FORWARD BOT TIMER			95
DLY FOR				1									9-4/8		95
E BOT	L	A08D2		1-01 *							1	MASTER INT BD			96
E BOT	L	B11K1		1-02 *							2	COMMAND BUFFER			96
E BOT	L	B12K1		1-03 *								WRITE + GAP TIMING			96
E BOT				1									11-0/8		96
E DEN 5	H	A11J2		1-01 *							2	COMMAND BUFFER			97
E DEN 5	H	A13J2		1-02 *							1	READ TIMING			97
E DEN 5	H	B14A1		1-03 *								MASTER SLAVE BD			97
E DEN 5				1									9-0/8		97
E DEN 6	H	A11H2		1-01 *							2	COMMAND BUFFER			98
E DEN 6	H	A13P1		1-02 *							1	READ TIMING			98
E DEN 6	H	B14B1		1-03 *								MASTER SLAVE BD			98
E DEN 6				1									9-1/8		98
E EOT	L	A08R2		1-01 *							1	MASTER INT BD			99
E EOT	L	A11S1		1-02 *								COMMAND BUFFER			99
E EOT				1									4-2/8		99
E FOR	H	A10F1		1-01 *					R1		1	DATA CHECKER			100
E FOR	H	A11L2		1-02 *					R1		2	COMMAND BUFFER			100
E FOR	H	A14S2		1-03 *					R1		1	MASTER SLAVE BD			100
E FOR	H	B15T2		1-04 *					I			CRC CHECKER			100
E FOR				1									15-3/8		100
E OFF	L	A11P2		1-01 *							1	COMMAND BUFFER			101
E OFF	L	A14C1		1-02 *								MASTER SLAVE BD			101
E OFF				1									1-7/		101

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
E WFM	H	A11F2		1-01 *							2	COMMAND BUFFER			102
E WFM	H	A09L1		1-02 *							1	CRC * WRITE GATING			102
E WFM	H	B12R1		1-03 *								DATA CHECKER			102
E WFM				1									11-4/8		102
E WFV	H	A11K2		1-01 *							1	COMMAND BUFFER			103
E WFV	H	A14V1		1-02 *								MASTER SLAVE BD			103
E WFV				1									4-6/8		103
E WFP	H	A11N2		1-01 *							1	COMMAND BUFFER			104
E WFP	H	A14R1		1-02 *								MASTER SLAVE BD			104
E WFP				1									4-4/8		104
E WNS	L	A08E2		1-01 *							1	MASTER INT BD			105
E WNS	L	B11F2		1-02 *								COMMAND BUFFER			105
E WNS				1									7-4/8		105
E SEL 0	L	B11U2		1-01 *							1	COMMAND BUFFER			106
E SEL 0	L	B14U1		1-02 *								MASTER SLAVE BD			106
E SEL 0				1									4-2/8		106
E SEL 1	L	B11P2		1-01 *							1	COMMAND BUFFER			107
E SEL 1	L	B14M2		1-02 *								MASTER SLAVE BD			107
E SEL 1				1									4-6/8		107
E SEL 2	L	B11R1		1-01 *							1	COMMAND BUFFER			108
E SEL 2	L	B14T2		1-02 *								MASTER SLAVE BD			108
E SEL 2				1									5-0/8		108
E WEXG	H	A11E2		1-01 *							1	COMMAND BUFFER			109
E WEXG	H	B12M2		1-02 *								WRITE * GAP TIMING			109
E WEXG				1									7-0/8		109
E WFMK	H	A11D2		1-01 *							2	COMMAND BUFFER			110
E WFMK	H	A09M1		1-02 *							1	CRC * WRITE GATING			110
E WFMK	H	B12L2		1-03 *								WRITE * GAP TIMING			110
E WFMK				1									12-0/8		110
E WRE	L	A14E2		1-01 *							2	MASTER SLAVE BD			111
E WRE	L	A11M2		1-02 *							1	COMMAND BUFFER			111
E WRE	L	B12E1		1-03 *								WRITE * GAP TIMING			111
E WRE				1									10-4/8		111
E WRL	L	A08H2		1-01 *							1	MASTER INT BD			112
E WRL	L	A11U1		1-02 *								COMMAND BUFFER			112
E WRL				1									4-7/8		112

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
EMD	H	A12E1		1-01 *							1	WRITE * GAP TIMING			113
EMD	H	B14L1		1-02 *								MASTER SLAVE BD			113
EMD				1									7-4/8		113
END POINT	L	A23F2		1-01 *							2	LAMP DRIVER			114
END POINT	L	A25M2		1-02 *							1	FUNCTION CONTROL			114
END POINT	L	B21H2		1-03 *								BUS TRANSCEIVER			114
END POINT				1									10-1/8		114
END PT BULB	H	A22H2		1-01 *							1	TRANS PANEL CABLE			115
END PT BULB	H	A23F1		1-02 *								LAMP DRIVER			115
END PT BULB				1									2-7/8		115
EOT EMIT		A22V1		1-01 *							1	TRANS PANEL CABLE			116
EOT EMIT		A25B1		1-02 *								FUNCTION CONTROL			116
EOT EMIT				1									5-7/8		116
ERD 1	H	B10N2		1-01 *						I	1	DATA CHECKER			117
ERD 1	H	B15M1		1-02 *						I		CRC CHECKER			117
ERD 1				1									5-2/8		117
ERD 1	H	B10J1		1-01 *						I	1	DATA CHECKER			118
ERD 1	H	B15P1		1-02 *						I		CRC CHECKER			118
ERD 1				1									6-0/8		118
ERD 1	L	B10H1		1-01 *							1	DATA CHECKER			119
ERD 1	L	B12H1		1-02 *								WRITE * GAP TIMING			119
ERD 1				1									4-0/8		119
ERD 2	H	B10J2		1-01 *						I	1	DATA CHECKER			120
ERD 2	H	B15L1		1-02 *						I		CRC CHECKER			120
ERD 2				1									5-4/8		120
ERD 2	L	B10K1		1-01 *							1	DATA CHECKER			121
ERD 2	L	B12F1		1-02 *								WRITE * GAP TIMING			121
ERD 2				1									4-4/8		121
ERD 3	H	B10L1		1-01 *						I	1	DATA CHECKER			122
ERD 3	H	B15H1		1-02 *						I		CRC CHECKER			122
ERD 3				1									5-6/8		122
ERD 3	L	B10K2		1-01 *							1	DATA CHECKER			123
ERD 3	L	B12U1		1-02 *								WRITE * GAP TIMING			123
ERD 3				1									4-2/8		123

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
ERD 4	H	B10B1		1-01 *					I		1	DATA CHECKER			124
ERD 4	H	B15E1		1-02 *					I			CRC CHECKER			124
ERD 4				1									5-6/8		124
ERD 4	L	A10R1		1-01 *							1	DATA CHECKER			125
ERD 4	L	B12V1		1-02 *								WRITE * GAP TIMING			125
ERD 4				1									7-2/8		125
ERD 5	H	A10N2		1-01 *					I		1	DATA CHECKER			126
ERD 5	H	B15C1		1-02 *					I			CRC CHECKER			126
ERD 5				1									6-1/8		126
ERD 5	L	A10S1		1-01 *							1	DATA CHECKER			127
ERD 5	L	A12U2		1-02 *								WRIT * GAP TIMING			127
ERD 5				1									4-4/8		127
ERD 6	H	A10S2		1-01 *					I		1	DATA CHECKER			128
ERD 6	H	B15A1		1-02 *					I			CRC CHECKER			128
ERD 6				1									6-2/8		128
ERD 6	L	A10T2		1-01 *							1	DATA CHECKER			129
ERD 6	L	A12M2		1-02 *								WRITE * GAP TIMING			129
ERD 6				1									4-1/8		129
ERD 7	H	A10R2		1-01 *					I		1	DATA CHECKER			130
ERD 7	H	B15V1		1-02 *					I			CRC CHECKER			130
ERD 7				1									8-1/8		130
ERD 7	L	A10U2		1-01 *							1	DATA CHECKER			131
ERD 7	L	B12D2		1-02 *								WRITE * GAP TIMING			131
ERD 7				1									4-5/8		131
ERDF	H	B10R2		1-01 *					I		1	DATA CHECKER			132
ERDF	H	B15S1		1-02 *					I			CRC CHECKER			132
ERDF				1									5-2/8		132
ERDF	L	B10S1		1-01 *							1	DATA CHECKER			133
ERDF	L	B12F2		1-02 *								WRITE * GAP TIMING			133
ERDF				1									4-6/8		133
ERDS	H	B15L2		1-01 *					I		1	CRC CHECKER			134
ERDS	H	A10L2		1-02 *					R1		2	DATA CHECKER			134
ERDS	H	A13R1		1-03 *					R1			READ TIMING			134
ERDS				1									11-4/8		134

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
ERDS	L	A13S1		1-01 *							1	READ TIMING			135
ERDS	L	B13L2		1-02 *							2	READ TIMING			135
ERDS	L	B10S2		1-03 *								DATA CHECKER			135
ERDS				1									10-6/8		135
FILE PROT BULB	H	A22F2		1-01 *							1	TRANS PANEL CABLE			136
FILE PROT BULB	H	A23E1		1-02 *								LAMP DRIVER			136
FILE PROT BULB				1									2-3/8		136
FME	L	A08V1		1-01 *							1	MASTER INT BD			137
FME	L	A13L2		1-02 *								READ TIMING			137
FME				1									6-6/8		137
FMK CHR	L	A10D2		1-01 *							1	DATA CHECKER			138
FMK CHR	L	B13E2		1-02 *								READ TIMING			138
FMK CHR				1									7-2/8		138
FOR	H	A16M2		1-01 *							1	FORWARD BOT TIMER			139
FOR	H	A24B1		1-02 *								MOTION CONTROL			139
FOR				1									8-0/8		139
FORCE BRK ON	H	A03F2		1-01 *							0	UPPER BRAKE BOARD			140
FORCE BRK ON	H	B24P2		1-02 *								MOTION CONTROL			140
FORCE BRK ON				1									17-0/8		140
FORCE BRK ON	L	B24N2		1-01 *					I		1	MOTION CONTROL			141
FORCE BRK ON	L	B05U2		1-02 *					I			BRAKE LOGIC			141
FORCE BRK ON				1									13-2/8		141
FORWARD	L	A20A1		1-01 *							1	DELAY XMTR			142
FORWARD	L	A24D2		1-02 *							2	MOTION CONTROL			142
FORWARD	L	A23K2		1-03 *							1	LAMP DRIVER			142
FORWARD	L	B25E2		1-04 *								FUNC CONTROL SOURC			142
FORWARD				1									16-0/8		142
FWD BULB	H	A22N2		1-01 *							1	TRANS PANEL CABLE			143
FWD BULB	H	A23K1		1-02 *								LAMP DRIVER			143
FWD BULB				1									2-7/8		143
LD ON LINE	H	A24F1		1-01 *					I		1	MOTION CONTROL			144
LD ON LINE	H	A21H1		1-02 *					I			BUSTRANSCEIVER			144
LD ON LINE				1									4-6/8		144
LD PT BULB	H	A22P2		1-01 *							1	TRANS PANEL CABLE			145
LD PT BULB	H	A23L1		1-02 *								LAMP DRIVER			145
LD PT BULB				1									2-7/8		145

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
LEDC		A22S1		1-01 *							0	TRANSPORT CABLE			146
LEDC		A25D1		1-02 *								FUNCTION CONTROL			146
LEDC				1									5-1/8		146
LFS	H	A05L2		1-01 *					I		1	VAC SW+PWR CONT CO			147
LFS	H	B24C1		1-02 *					I			MOTION CONTROL			147
LFS				1									14-0/8		147
LFS	L	B24A1		1-01 *					R1		1	MOTION CONTROL			148
LFS	L	B05V1		1-02 *					R1			BRAKE LOGIC			148
LFS				1									14-4/8		148
LOAD BULB	H	A22U2		1-01 *							1	TRANS PANEL CABLE			149
LOAD BULB	H	A23R1		1-02 *								LAMP DRIVER			149
LOAD BULB				1									2-7/8		149
LOAD PULSE	L	B23R1		1-01 *							1	SWITCH FILTER			150
LOAD PULSE	L	B24H1		1-02 *								MOTION CONTROL			150
LOAD PULSE				1									4-2/8		150
LOAD SW		A22M1		1-01 *							1	TRANS PANEL CABLE			151
LOAD SW		B23J1		1-02 *								SWITCH FILTER			151
LOAD SW				1									6-0/8		151
LOCAL	H	A24E1		1-01 *							2	MOTION CONTROL			152
LOCAL	H	A24U1		1-02 *							1	MOTION CONTROL			152
LOCAL	H	B25E1		1-03 *								FUNCTION CONTROL			152
LOCAL				1									9-2/8		152
LOCAL	L	A23J2		1-01 *					R1		1	LAMP DIRVER			153
LOCAL	L	B25F2		1-02 *					R1		2	FUNCTION CONTROL			153
LOCAL	L	A25V2		1-03 *					R1			FUNCTION CONTROL			153
LOCAL				1									10-6/8		153
LOGIC COMMON		A05B1		1-01 *							2				154
LOGIC COMMON		A05C2		1-02 *	H						1			HAND WIRE	154
LOGIC COMMON		A05F1		1-03 *							2			TO HERE	154
LOGIC COMMON		A06C2		1-04 *							1				154
LOGIC COMMON		A05D2		1-05 *							2				154
LOGIC COMMON		A05T1		1-06 *	H						1			HAND WIRE	154
LOGIC COMMON		A24C2		1-07 *							2			TO HERE	154
LOGIC COMMON		A23S2		1-08 *											154
LOGIC COMMON				1									35-7/8		154
LOW REW BRK	L	A03U2		1-01 *					I		1	BRAKE ACTUATOR			155
LOW REW BRK	L	B05L1		1-02 *					I			BRAKE LOGIC			155
LOW REW BRK				1									5-6/8		155

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
LOWER BRAKE OUT		A05P2		1-01 *							1	VAC SW+PWR CONT CO			156
LOWER BRAKE OUT		B03R2		1-02 *								LOWER BRAKE BOARD			156
LOWER BRAKE OUT				1									6-6/8		156
LOWER BRK ON	H	A03E2		1-01 *					I		1	BRAKE ACTUATOR			157
LOWER BRK ON	H	B05J1		1-02 *					I			BRAKE LOGIC			157
LOWER BRK ON				1									7-0/8		157
LRC STRB	L	A12A1		1-01 *							1	WRITE + GAP TIMING			158
LRC STRB	L	B14V1		1-02 *								MASTER SLAVE BD			158
LRC STRB				1									9-0/8		158
LRCC STROBE	H	A26P1		1-01 *							1	WRITE BUFFER			159
LRCC STROBE	H	B21R2		1-02 *								BUS TRANSCEIVER			159
LRCC STROBE				1									7-3/8		159
LRCE	L	A08N2		1-01 *							1	MASTER INT BD			160
LRCE	L	A10E2		1-02 *								DATA CHECKER			160
LRCE				1									4-3/8		160
LRCS	L	A10A1		1-01 *							2	DATA CHECKER			161
LRCS	L	A08M2		1-02 *							1	MASTER INT BD			161
LRCS	L	B13J2		1-03 *								READ TIMING			161
LRCS				1									11-3/8		161
LWR MTR LVS		A05J2		1-01 *					R1		1	VAC SW+PWR CONT CO			162
LWR MTR LVS		B03J2		1-02 *					R1		0	LOWER BRAKE BD CO			162
LWR MTR LVS		B05S2		1-03 *					R1			BRAKE LOGIC			162
LWR MTR LVS				1									11-1/8		162
LWR MTR SW OPEN	H	B01F2		1-01 *					I		2	LOWER REEL MOTORAM			163
LWR MTR SW OPEN	H	B03S2		1-02 *					I		1	BRAKE ACTUATOR			163
LWR MTR SW OPEN	H	B05E2		1-03 *					I			BRAKE LOGIC			163
LWR MTR SW OPEN				1									9-0/8		163
LWR MTR UPR SW		B01K2		1-01 *					I		1	LOWER REEL MTR BD			164
LWR MTR UPR SW		B05N1		1-02 *					I			BRAKE LOGIC			164
LWR MTR UPR SW				1									5-2/8		164
LWR MTR UVS		A05H2		1-01 *					R1		1	VAC SW+PWR CONT CO			165
LWR MTR UVS		B03D2		1-02 *					R1		0	LOWER BRAKE BD			165
LWR MTR UVS		B05P1		1-03 *					R1			BRAKE LOGIC			165
LWR MTR UVS				1									10-7/8		165
M FWD	L	B23U2		1-01 *							1	SWITCH FILTER			166
M FWD	L	B25S1		1-02 *								FUNCTION CONTROL			166
M FWD				1									4-0/8		166

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
M FWD S		A22B1		1-01 *							1	TRANS PANEL CABLE			167
M FWD S		B23E2		1-02 *								SWITCH FILTER			167
M FWD S				1									6-6/8		167
M REV	L	B23T2		1-01 *							1	SWITCH FILTER			168
M REV	L	B25T2		1-02 *								FUNCTION CONTROL			168
M REV				1									4-0/8		168
M REV SW		A22C1		1-01 *							1	TRANS PANEL CABLE			169
M REV SW		B23F2		1-02 *								SWITCH FILTER			169
M REV SW				1									7-0/8		169
M REW	L	B23V2		1-01 *							1	SWITCH FILTER			170
M REW	L	B25N1		1-02 *								FUNCTION CONTROL			170
M REW				1									4-1/8		170
M REW SW		A22A1		1-01 *							1	TRANS PANEL CABLE			171
M REW SW		B23D2		1-02 *								SWITCH FILTER			171
M REW SW				1									7-0/8		171
MOTION	H	A24V2		1-01 *							1	MOTION CONTROL			172
MOTION	H	B25B1		1-02 *								FUNCTION CONTROL			172
MOTION				1									4-0/8		172
MOVE	L	B11M1		1-01 *							2	COMMAND BUFFER			173
MOVE	L	B12U2		1-02 *							1	WRITE + GAP TIMING			173
MOVE	L	B14H1		1-03 *								MASTER SLAVE BD			173
MOVE				1									9-0/8		173
MP CLR	H	B11L1		1-01 *							2	COMMAND BUFFER			174
MP CLR	H	B12N2		1-02 *							1	WRITE + GAP TIMING			174
MP CLR	H	B13C1		1-03 *								READ TIMING			174
MP CLR				1									8-2/8		174
MTR PWR RELAY COIL		A05E1		1-01 *							1	VAC SW+PWR CONT CO			175
MTR PWR RELAY COIL		B24S2		1-02 *								MOTION CONTROL			175
MTR PWR RELAY COIL				1									16-6/8		175
MUX OUT	L	A20D2		1-01 *							1	DELAY XMITTER			176
MUX OUT	L	A21E1		1-02 *								BUS TRANSCEIVER			176
MUX OUT				1									2-3/8		176
OFF	L	B23V1		1-01 *							1	SWITCH FILTER			177
OFF	L	B24L1		1-02 *								MOTION CONTROL			177
OFF				1									4-4/8		177

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
OFF LINE	L	B23P2		1-01 *							1	SWITCH FILTER			178
OFF LINE	L	B25C1		1-02 *								FUNCTION CONTROL			178
OFF LINE				1									4-7/8		178
OFF LINE SW		A22K2		1-01 *							1	TRANS PANEL CABLE			179
OFF LINE SW		B23K2		1-02 *								SWITCH FILTER			179
OFF LINE SW				1									6-2/8		179
OFF SW		A22D1		1-01 *							1	TRANS PANEL CABLE			180
OFF SW		B23D1		1-02 *								SWITCH FILTER			180
OFF SW				1									6-2/8		180
ON LINE	L	B23R2		1-01 *							1	SWITCH FILTER			181
ON LINE	L	B25S2		1-02 *								FUNCTION CONTROL			181
ON LINE				1									4-0/8		181
ON LINE BULB	H	A22J1		1-01 *							1	TRANS PANEL CABLE			182
ON LINE BULB	H	A23J1		1-02 *								LAMP DRIVER			182
ON LINE BULB				1									3-4/8		182
ON LINE SW		A22M2		1-01 *							1	TRANS PANEL CABLE			183
ON LINE SW		B23J2		1-02 *								SWITCH FILTER			183
ON LINE SW				1									6-0/8		183
PCLR	L	A25H2		1-01 *							2	FUNCTION CONTROL			184
PCLR	L	A24T2		1-02 *							1	MOTION CONTROL			184
PCLR	L	A13V1		1-03 *								READ TIMING			184
PCLR				1									13-4/8		184
POWER ON	L	A05C1		1-01 *							1	VAC SW+PWR CONT CO			185
POWER ON	L	A22L1		1-02 *								TRANS PANEL CABLE			185
POWER ON				1									12-4/8		185
PWR BULB	H	A22V2		1-01 *							1	TRANS PANEL CABLE			186
PWR BULB	H	A23S1		1-02 *								LAMP BULB			186
PWR BULB				1									2-7/8		186

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
PWR COM		A05N1		1-01 *							2				187
PWR COM		A05D1		1-02 *							1				187
PWR COM		A04C2		1-03 *							2				187
PWR COM		A05S2		1-04 *	H						1			HAND WIRE	187
PWR COM		A04D1		1-05 *							2			TO HERE	187
PWR COM		A05N2		1-06 *							1	VAC SW PWR CONT GO			187
PWR COM		A03D1		1-07 *							2				187
PWR COM		A05R2		1-08 *							1				187
PWR COM		A02D1		1-09 *	H						2			HAND WIRE	187
PWR COM		A01D1		1-10 *							1			TO HERE	187
PWR COM		B24T2		1-11 *								MOTION CONTROL			187
PWR COM				1									58-5/8		187
R 7CH	L	A08L2		1-01 *							2	MASTER INT BD			188
R 7CH	L	A15L2		1-02 *							1	BUS DATA INTERFACE			188
R 7CH	L	B13R2		1-03 *								READ TIMING			188
R 7CH				1									13-6/8		188
R FWD	H	B25V1		1-01 *							2	FUNCTION CONTROL			189
R FWD	H	B21J1		1-02 *							1	BUS TRANSCEIVER			189
R FWD	H	B11J1		1-03 *								COMMAND BUFFER			189
R FWD				1									14-1/8		189
R RD0	L	A15H1		1-01 *							1	BUS DATA INTERFACE			190
R RD0	L	B10N1		1-02 *								DATA CHECKER			190
R RD0				1									8-3/8		190
R RD1	L	A15K1		1-01 *							1	BUS DATA INTERFACE			191
R RD1	L	B10M2		1-02 *								DATA CHECKER			191
R RD1				1									7-5/8		191
R RD2	L	A15M1		1-01 *							1	BUS DATA INTERFACE			192
R RD2	L	B10M1		1-02 *								DATA CHECKER			192
R RD2				1									6-6/8		192
R RD3	L	A15P1		1-01 *							1	BUS DATA INTERFACE			193
R RD3	L	B10L2		1-02 *								DATA CHECKER			193
R RD3				1									6-2/8		193
R RD4	L	A15S1		1-01 *							1	BUS DATA INTERFACE			194
R RD4	L	B10D1		1-02 *								DATA CHECKER			194
R RD4				1									6-6/8		194
R RD5	L	A15U1		1-01 *							1	BUS DATA INTERFACE			195
R RD5	L	B10D2		1-02 *								DATA CHECKER			195
R RD5				1									6-2/8		195

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
R RD6	L	A10U1		1-01 *							1	DATA CHECKER			196
R RD6	L	A15F2		1-02 *								BUS DATA INTERFACE			196
R RD6				1									7-2/8		196
R RD7	L	A10V1		1-01 *							1	DATA CHECKER			197
R RD7	L	A15J2		1-02 *								BUS DATA INTERFACE			197
R RD7				1									7-0/8		197
R RDP	L	A15E1		1-01 *							1	BUS DATA INTERFACE			198
R RDP	L	B10U1		1-02 *								DATA CHECKER			198
R RDP				1									9-6/8		198
R REV	H	A16J2		1-01 *							1	FORWARD BOT TIMER			199
R REV	H	B25U1		1-02 *								FUNCTION CONTROL			199
R REV				1									8-5/8		199
R REW	H	A25J2		1-01 *							2	FUNCTION CONTROL			200
R REW	H	B21F1		1-02 *							1	BUS TRANSCEIVER			200
R REW	H	B11H1		1-03 *								COMMAND BUFFER			200
R REW				1									14-5/8		200
R TUR	L	A15B1		1-01 *							2	BUS DATA INTERFACE			201
R TUR	L	A08D1		1-02 *							1	MASTER INT BD			201
R TUR	L	B11J2		1-03 *								COMMAND BUFFER			201
R TUR				1									14-6/8		201
R WRL		B11E1		1-01 *							2	COMMAND BUFFER			202
R WRL		A16K2		1-02 *							1	FORWARD BOT TIMER			202
R WRL		B25F1		1-03 *								FUNCTION CONTROL			202
R WRL				1									16-6/8		202
RB CLEAR	H	A28H2		1-01 *							1	READ BUFFER			203
RB CLEAR	H	B25D1		1-02 *								FUNCTION CONTROL			203
RB CLEAR				1									6-6/8		203
RC 556	L	A13E2		1-01 *							1	READ TIMING			204
RC 556	L	A15N2		1-02 *								BUS DATA INTERFACE			204
RC 556				1									4-3/8		204
RC 800	H	A13F2		1-01 *							2	READ TIMING			205
RC 800	H	B12S1		1-02 *							1	WRITE + GAP TIMING			205
RC 800	H	B11V1		1-03 *								COMMAND BUFFER			205
RC 800				1									10-5/8		205
RC 800	L	A13K2		1-01 *							1	READ TIMING			206
RC 800	L	A15R2		1-02 *								BUS DATA INTERFACE			206
RC 800				1									4-5/8		206

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
RD CLR	L	B13K2		1-01 *				2	READ TIMING			207
RD CLR	L	B12P1		1-02 *				1	WRITE + GAP TIMING			207
RD CLR	L	B13U2		1-03 *					READ TIMING			207
RD CLR				1						7-6/8		207
RD0		A20S1		1-01 *				1	DELAY XMTR			208
RD0		A28P2		1-02 *					READ BUFFER			208
RD0				1						7-4/8		208
RD1		A20R1		1-01 *				1	DELAY XMTR			209
RD1		A28R2		1-02 *					READ BUFFER			209
RD1				1						7-2/8		209
RD2		A20F1		1-01 *				1	DELAY XMTR			210
RD2		B28B1		1-02 *					READ BUFFER			210
RD2				1						9-2/8		210
RD3		A20H1		1-01 *				1	DELAY XMTR			211
RD3		B28C1		1-02 *					READ BUFFER			211
RD3				1						9-2/8		211
RD4		A20J1		1-01 *				1	DELAY XMTR			212
RD4		B28K2		1-02 *					READ BUFFER			212
RD4				1						8-3/8		212
RD5		A20K1		1-01 *				1	DELAY XMTR			213
RD5		B28L2		1-02 *					READ BUFFER			213
RD5				1						8-5/8		213
RD6		A20L1		1-01 *				1	DELAY XMTR			214
RD6		B28R2		1-02 *					READ BUFFER			214
RD6				1						9-5/8		214
RD7		A20N1		1-01 *				1	DELAY XMTR			215
RD7		B28S2		1-02 *					READ BUFFER			215
RD7				1						9-3/8		215
RDP		A20P1		1-01 *				1	DELAY XMTR			216
RDP		A28K2		1-02 *					READ BUFFER			216
RDP				1						7-6/8		216
RDS	L	A08F1		1-01 *				1	MASTER INT BD			217
RDS	L	B13B1		1-02 *					READ TIMING			217
RDS				1						6-3/8		217

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
RDY BULB	H	A22R2		1-01 *				1	TRANS PANEL CABLE			218
RDY BULB	H	A23M1		1-02 *					LAMP DRIVER			218
RDY BULB				1						2-7/8		218
READ COM		A30M2		1-01 *				1	PEAK DETECTOR			219
READ COM		A30M1		1-02 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		A30P2		1-03 *				1	PEAK DETECTOR		TO HERE	219
READ COM		A30P1		1-04 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		A30S2		1-05 *				1	PEAK DETECTOR		TO HERE	219
READ COM		A30S1		1-06 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		A31T2		1-07 *				1	COMPRESSOR		TO HERE	219
READ COM		A31U2		1-08 *	H			2	COMPRESSOR		HAND WIRE	219
READ COM		A30T2		1-09 *				1	PEAK DETECTOR		TO HERE	219
READ COM		A30T1		1-10 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30E2		1-11 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30E1		1-12 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30H2		1-13 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30H1		1-14 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30K2		1-15 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30K1		1-16 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30M2		1-17 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30M1		1-18 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30P2		1-19 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30P1		1-20 *	H			2	PEAK DETECTOR		HAND WIRE	219
READ COM		B30S2		1-21 *				1	PEAK DETECTOR		TO HERE	219
READ COM		B30S1		1-22 *	H				PEAK DETECTOR		H TO WHERE	219
READ COM				1						60-4/8		219
READING	H	A10F2		1-01 *				1	DATA CHECKER			220
READING	H	A12R2		1-02 *					WRITE + GAP TIMING			220
READING				1						4-4/8		220
READY	L	A23M2		1-01 *				1	LAMP DRIVER			221
READY	L	B24E1		1-02 *				2	MOTION CONTROL			221
READY	L	B20E1		1-03 *					DELAY XMTR			221
READY				1						10-2/8		221
REC	H	A12M1		1-01 *				1	WRITE + GAP TIMING			222
REC	H	B09V2		1-02 *					CRC + WRITE GATING			222
REC				1						7-6/8		222
REC	L	A12S1		1-01 *				1	WRITE + GAP TIMING			223
REC	L	B14R1		1-02 *					MASTER SLAVE BD			223
REC				1						6-6/8		223

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
REEL MTR ENABLE	L	B05M2		1-01 *					I		1	BRAKE LOGIC			224
REEL MTR ENABLE	L	B24V1		1-02 *					R1						224
REEL MTR ENABLE				1									13-2/8		224
REEL MTR ENABLE 00	L	B05N2		1-01 *					R1		1				225
REEL MTR ENABLE 00	L	B03P1		1-02 *					R1						225
REEL MTR ENABLE 00				1									4-4/8		225
REEL MTR ENABLE 01	L	B03R1		1-01 *					R1		1				226
REEL MTR ENABLE 01	L	B02R2		1-02 *					R1		2				226
REEL MTR ENABLE 01	L	B01R2		1-03 *					R1						226
REEL MTR ENABLE 01				1									6-2/8		226
REEL MTR PULSE		B01L2		1-01 *					I		2	LOWER REEL MTRBD			227
REEL MTR PULSE		B02L2		1-02 *					I		1	UPPER REEL MTRBD			227
REEL MTR PULSE		A03S2		1-03 *					I			BRAKE ACTUATOR			227
REEL MTR PULSE				1									9-0/8		227
RELAY ENBL	H	A05A1		1-01 *							1	VAC SW+PWR CONT CO			228
RELAY ENBL	H	B24D2		1-02 *								MOTION CONTROL			228
RELAY ENBL				1									16-0/8		228
RELAY ENBL	L	B24D1		1-01 *					I		1	BRAKE CONTROL			229
RELAY ENBL	L	B05U1		1-02 *					I			BRAKE LOGIC			229
RELAY ENBL				1									14-2/8		229
REV	H	A04E2		1-01 *							1	CAPSTAN SERVO AMP			230
REV	H	B25M2		1-02 *								FUNCTION CONTROL			230
REV				1									17-0/8		230
REV	L	A23H2		1-01 *							1	LAMP DRIVER			231
REV	L	B25L2		1-02 *								FUNCTION CONTROL			231
REV				1									7-2/8		231
REV BULB	H	A22J2		1-01 *							1	TRANS PANEL CABLE			232
REV BULB	H	A23H1		1-02 *								LAMP DRIVER			232
REV BULB				1									2-3/8		232
REW	H	A04D2		1-01 *							1	CAPSTAN SERVO AMP			233
REW	H	A24P2		1-02 *								MOTION CONTROL			233
REW				1									14-0/8		233
REW BULB	H	A22E2		1-01 *							1	TRANS PANEL CABLE			234
REW BULB	H	A23D1		1-02 *								LAMP DRIVER			234
REW BULB				1									2-7/8		234

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
REWIND CAP	H	A03P2		1-01 *							2	BRAKE ACTUATOR			235
REWIND CAP	H	A04H2		1-02 *							1	CAPSTAN SERVO AMP			235
REWIND CAP	H	A24H1		1-03 *							2	MOTION CONTROL			235
REWIND CAP	H	B05E1		1-04 *					I			BRAKE LOGIC			235
REWIND CAP				1									31-5/8		235
REWIND STATUS	H	A24A1		1-01 *							1	MOTION CONTROL			236
REWIND STATUS	H	A25V1		1-02 *								FUNCTION CONTROL			236
REWIND STATUS				1									5-6/8		236
REWIND STATUS	L	A23D2		1-01 *							1	LAMP DRIVER			237
REWIND STATUS	L	B25A1		1-02 *							2	FUNCTION CONTROL			237
REWIND STATUS	L	B25R2		1-03 *							1	FUNCTION CONTROL			237
REWIND STATUS	L	B21F2		1-04 *								BUS TRANSCEIVER			237
REWIND STATUS				1									17-0/8		237
RS DWN	L	A15V2		1-01 *							2	BUS DATA INTERFACE			238
RS DWN	L	B11H2		1-02 *							1	COMMAND BUFFER			238
RS DWN	L	A08E1		1-03 *								MASTER INT BD			238
RS DWN				1									14-1/8		238
RS0	H	A28M2		1-01 *							1	READ BUFFER			239
RS0	H	A29P1		1-02 *								SLICER			239
RS0				1									2-6/8		239
RS1	H	A28T2		1-01 *							1	READ BUFFER			240
RS1	H	A29S1		1-02 *								SLICER			240
RS1				1									2-3/8		240
RS2	H	A28U2		1-01 *							1	READ BUFFER			241
RS2	H	B29E1		1-02 *								SLICER			241
RS2				1									4-4/8		241
RS3	H	B28F2		1-01 *							1	READ BUFFER			242
RS3	H	B29H1		1-02 *								SLICER			242
RS3				1									2-3/8		242
RS4	H	B28H2		1-01 *							1	READ BUFFER			243
RS4	H	B29K1		1-02 *								SLICER			243
RS4				1									2-6/8		243
RS5	H	B28N2		1-01 *							1	READ BUFFER			244
RS5	H	B29M1		1-02 *								SLICER			244
RS5				1									2-3/8		244

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY = ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
RS6	H	B28P2		1-01 *							1	READ BUFFER			245
RS6	H	B29P1		1-02 *								SLICER			245
RS6				1									2-6/8		245
RS7	H	B28U2		1-01 *							1	READ BUFFER			246
RS7	H	B29S1		1-02 *								SLICER			246
RS7				1									2-6/8		246
RSD Ø	H	A13K1		1-01 *							1	READ TIMING			247
RSD Ø	H	A13S2		1-02 *								READ TIMING			247
RSD Ø				1									4-Ø/8		247
RSD Ø	L	A15T2		1-01 *							1	BUS DATA INTERFACE			248
RSD Ø	L	A13N1		1-02 *							2	READ TIMING			248
RSD Ø	L	B13A1		1-03 *								READ TIMING			248
RSD Ø				1									9-2/8		248
RSPH		A28F2		1-01 *							1	READ BUFFER			249
RSPH		A29M1		1-02 *								SLICER			249
RSPH				1									3-6/8		249
RST SEL	L	A13U1		1-01 *							1	READ TIMING			250
RST SEL	L	B11N1		1-02 *								COMMAND BUFFER			250
RST SEL				1									6-Ø/8		250
RUNNING	L	A25R1		1-01 *							1	FUNCTION CONTROL			251
RUNNING	L	B24E2		1-02 *								MOTION CONTROL			251
RUNNING				1									5-Ø/8		251
RWCLR	H	B11L2		1-01 *					I		1	COMMAND BUFFER			252
RWCLR	H	B12H2		1-02 *					I			WRIGHT + GAP TIMIN			252
RWCLR				1									2-7/8		252
RWRE	H	A25K2		1-01 *							2	FUNCTION CONTROL			253
RWRE	H	B21N1		1-02 *							1	BUS TRANSCEIVER			253
RWRE	H	B11D1		1-03 *								COMMAND BUFFER			253
RWRE				1									17-Ø/8		253
SEL BULB	H	A22T2		1-01 *							1	TRANS PANEL CABLE			254
SEL BULB	H	A23P1		1-02 *								LAMP DRIVER			254
SEL BULB				1									2-7/8		254
SEL R	L	A08J1		1-01 *							1	MASTER INT BD			255
SEL R	L	B11U1		1-02 *								COMMAND BUFFER			255
SEL R				1									8-2/8		255

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY = ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
SELECT REMOTE	H	B26M1		1-01 *				R1			2	WRITE BUFFER			256
SELECT REMOTE	H	B20K2		1-02 *				R1			1	DELAY XMTR			256
SELECT REMOTE	H	A21K1		1-03 *				R1				BUS TRANSCEIVER			256
SELECT REMOTE				1									12-Ø/8		256
SELECT REMOTE	L	A20C1		1-01 *							2	DELAY XMTR			257
SELECT REMOTE	L	A21F1		1-02 *							1	BUS TRANSCEIVER			257
SELECT REMOTE	L	A23P2		1-03 *								LAMP DRIVER			257
SELECT REMOTE				1									8-1/8		257
SERVO SIGNAL		A04P2		1-01 *							1	CAPSTAN SERVO AMP			258
SERVO SIGNAL		A05M1		1-02 *								VAC SW+PWR CONT CO			258
SERVO SIGNAL				1									2-6/8		258
SET F	L	A14M2		1-01 *							2	MASTER SLAVE BD			259
SET F	L	A11N1		1-02 *							1	COMMAND BUFFER			259
SET F	L	B12R1		1-03 *								WRITE + GAP TIMING			259
SET F				1									11-2/8		259
SET PULSE	L	A25F1		1-01 *							1	FUNCTION CONTROL			260
SET PULSE	L	B21U2		1-02 *								BUS TRANSCEIVER			260
SET PULSE				1									9-Ø/8		260
START	L	B23S2		1-01 *							1	SWITCH FILTER			261
START	L	B25M1		1-02 *								FUNCTION CONTROL			261
START				1									3-7/8		261
START L/STOP	H	B20J2		1-01 *				R1			1	DELAY XMTR			262
START L/STOP	H	B25R1		1-02 *				R1				FUNCTION CONTROL			262
START L/STOP				1									6-Ø/8		262
START SKEW DELAY	H	A28J2		1-01 *							1	READ BUFFER			263
START SKEW DELAY	H	B22S2		1-02 *								CLOCK + SKEW DELAY			263
START SKEW DELAY				1									8-2/8		263
START SW		A22L2		1-01 *							1	TRANS PANEL CABLE			264
START SW		B23H2		1-02 *								SWITCH FILTER			264
START SW				1									5-6/8		264
STOP	L	B23N2		1-01 *							1	SWITCH FILTER			265
STOP	L	B25H2		1-02 *								FUNCTION CONTROL			265
STOP				1									4-1/8		265
STOP SW		A22D2		1-01 *							1	TRANS PANEL CABEL			266
STOP SW		B23L2		1-02 *								SWITCH FILTER			266
STOP SW				1									7-Ø/8		266

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
SW1		A21P1		1-01 *							1	BUS TRANSCEIVER			267
SW1		A22E1		1-02 *								TRANS PANEL CABLE			267
SW1				1									4-4/8		267
SW2		A21S1		1-01 *							1	BUS TRANSCEIVER			268
SW2		A22F1		1-02 *								TRANS PANEL CABLE			268
SW2				1									4-5/8		268
SW4		A21M1		1-01 *							1	BUS TRANSCEIVER			269
SW4		A22H1		1-02 *								TRANS PANEL CABLE			269
SW4				1									3-6/8		269
TACH VOLTAGE		A04J2		1-01 *							1	CAPSTAN SERVO AMP			270
TACH VOLTAGE		A05T2		1-02 *								VAC SW*PWR CONT CO			270
TACH VOLTAGE				1									4-4/8		270
TRANS SETTLING DOWN	L	A24R1		1-01 *							1	MOTION CONTROL			271
TRANS SETTLING DOWN	L	B20L1		1-02 *								DELAY XMTR			271
TRANS SETTLING DOWN				1									6-0/8		271
UFS	L	A05K2		1-01 *			R1				1	VAC SW*PWR CONT CO			272
UFS	L	B24M2		1-02 *			R1					MOTION CONTROL			272
UFS				1									15-4/8		272
UPPER BRAKE ON	H	B05V2		1-01 *			I				1	BRAKE LOGIC			273
UPPER BRAKE ON	H	B03L2		1-02 *			I					BRAKE ACTUATOR			273
UPPER BRAKE ON				1									4-4/8		273
UPPER BRAKE OUT		A03R2		1-01 *							0	UPPER BRAKE BD			274
UPPER BRAKE OUT		A05M2		1-02 *								VAC SW*PWR CONT CO			274
UPPER BRAKE OUT				1									4-2/8		274
UPR MTR LVS		A03J2		1-01 *			R1				0	UPPER BRAKE BD			275
UPR MTR LVS		A05F2		1-02 *			R1				1	VAC SW*PWR CONT CO			275
UPR MTR LVS		B05K1		1-03 *			R1					BRAKE LOGIC			275
UPR MTR LVS				1									10-6/8		275
UPR MTR SW OPEN	H	A03T2		1-01 *			R1				1	BRAKE ACTUATOR			276
UPR MTR SW OPEN	H	B02F2		1-02 *			R1				0	UPPER MOTOR BOARD			276
UPR MTR SW OPEN	H	B05F2		1-03 *			R1					BRAKE LOGIC			276
UPR MTR SW OPEN				1									9-4/8		276
UPR MTR UPR SW		B02K2		1-01 *			I				1	UPPER REEL MTR BD			277
UPR MTR UPR SW		B05H1		1-02 *			I					BRAKE LOGIC			277
UPR MTR UPR SW				1									4-4/8		277

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
UPR MTR UVS		A05E2		1-01 *			R1				2	VAC SW*PWR CONT CO			278
UPR MTR UVS		A03D2		1-02 *			R1				1	UPPER BRAKEACTUATO			278
UPR MTR UVS		B05R2		1-03 *			R1					BRAKE LOGIC			278
UPR MTR UVS				1									12-0/8		278
V CLAMP		A26R2		1-01 *							1	WRITE BUFFER			279
V CLAMP		B21U1		1-02 *								BUS TRANSCEIVER			279
V CLAMP				1									7-2/8		279
VACUUM ON	H	B24F2		1-01 *							1	MOTION CONTROL			280
VACUUM ON	H	B25D2		1-02 *								FUNCTION CONTROL			280
VACUUM ON				1									3-4/8		280
VACUUM ON	L	A23R2		1-01 *							1	LAMP DRIVER			281
VACUUM ON	L	B24U1		1-02 *								MOTION CONTROL			281
VACUUM ON				1									6-2/8		281
VPE	L	A08J2		1-01 *							1	MASTER INT BD			282
VPE	L	A10C1		1-02 *								DATA CHECKER			282
VPE				1									4-0/8		282
WB CLEAR	L	A25U2		1-01 *							1	FUNCTION CONTROL			283
WB CLEAR	L	B26L1		1-02 *								WRITE BUFFER			283
WB CLEAR				1									5-2/8		283
WRC	H	A12H2		1-01 *							1	WRITE + GAP TIMING			284
WRC	H	A13H2		1-02 *								READ TIMING			284
WRC				1									3-4/8		284
WRC	L	A13D2		1-01 *							1	READ TIMING			285
WRC	L	B12J2		1-02 *								WRITE + GPA TIMING			285
WRC				1									6-6/8		285
WRITE BULB	H	A22S2		1-01 *							1	TRANS PANEL CABEL			286
WRITE BULB	H	A23N1		1-02 *								LAMP DRIVER			286
WRITE BULB				1									2-7/8		286
WRITE ENABLE	H	A25U1		1-01 *							1	FUNCTION CONTROL			287
WRITE ENABLE	H	A27A1		1-02 *								HEAD DRIVER			287
WRITE ENABLE				1									6-0/8		287
WRITE ENABLE	L	A20B1		1-01 *							1	DELAY XMTR			288
WRITE ENABLE	L	A23N2		1-02 *							2	LAMP DRIVER			288
WRITE ENABLE	L	A25S1		1-03 *							1	FUNCTION CONTROL			288
WRITE ENABLE	L	A31D1		1-04 *								COMPRESSOR			288
WRITE ENABLE				1									16-6/8		288

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
WRITE LOCK	L	A25E1		1-01 *							1	FUNCTION CONTROL			289
WRITE LOCK	L	A23E2		1-02 *							2	LAMP DRIVER			289
WRITE LOCK	L	B20U1		1-03 *							1	DELAY XMTR			289
WRITE LOCK	L	A05J1		1-04 *								VAC SW*PWR CONT CO			289
WRITE LOCK				1									27-0/8		289
WRITE STROBE	H	B21T2		1-01 *							1	BUS TRANSCEIVER			290
WRITE STROBE	H	B26P1		1-02 *								WRITE BUFFER			290
WRITE STROBE				1									5-4/8		290
WRS	L	A08F2		1-01 *							1	MASTER INT BD			291
WRS	L	B12B1		1-02 *								WRITE + GAP TIMING			291
WRS				1									6-2/8		291
X RD 0	L	A08A1		1-01 *							1	MASTER INT BD			292
X RD 0	L	B10U2		1-02 *								DATA CHECKER			292
X RD 0				1									9-0/8		292
X RD 1	L	A08B1		1-01 *							1	MASTER INT BD			293
X RD 1	L	B10T2		1-02 *								DATA CHECKER			293
X RD 1				1									8-6/8		293
X RD 2	L	A08H1		1-01 *							1	MASTER INT BD			294
X RD 2	L	B10V1		1-02 *								DATA CHECKER			294
X RD 2				1									8-2/8		294
X RD 3	L	A08K1		1-01 *							1	MASTER INT BD			295
X RD 3	L	B10V2		1-02 *								DATA CHECKER			295
X RD 3				1									8-2/8		295
X RD 4	L	A08L1		1-01 *							1	MASTER IN BD			296
X RD 4	L	A10B1		1-02 *								DATA CHECKER			296
X RD 4				1									4-4/8		296
X RD 5	L	A08N1		1-01 *							1	MASTER INT BD			297
X RD 5	L	A10H1		1-02 *								DATA CHECKER			297
X RD 5				1									4-1/8		297
X RD 6	L	A08R1		1-01 *							1	MASTER INT BD			298
X RD 6	L	A10J1		1-02 *								DATA CHECKER			298
X RD 6				1									4-2/8		298
X RD 7	L	A08S1		1-01 *							1	MASTER INT BD			299
X RD 7	L	A10P1		1-02 *								DATA CHECKER			299
X RD 7				1									4-2/8		299

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
X RD	L	A08M1		1-01 *							1	MASTER INT BD			300
X RD	L	A10H2		1-02 *								DATA CHECKER			300
X RD				1									4-6/8		300
ZWC	L	A09J1		1-01 *							1	CRC + WRITE GATING			301
ZWC	L	A14U2		1-02 *								MASTER SLAVE BD			301
ZWC				1									6-6/8		301
ZWC	L	A09J2		1-01 *							1	CRC + WRITE GATING			302
ZWC	L	B14L1		1-02 *								MASTER SLAVE BD			302
ZWC				1									6-2/8		302
ZWC	L	A09K1		1-01 *							1	CRC + WRITE GATING			303
ZWC	L	A14N1		1-02 *								MASTER SLAVE BD			303
ZWC				1									6-0/8		303
ZWC	L	A09N2		1-01 *							1	CRC + WRITE GATING			304
ZWC	L	A14L1		1-02 *								MASTER SLAVE BD			304
ZWC				1									5-4/8		304
ZWC	L	A09R2		1-01 *							1	CRC + WRITE GATING			305
ZWC	L	A14J1		1-02 *								MASTER SLAVE BD			305
ZWC				1									6-0/8		305
ZWC	L	A09T2		1-01 *							1	CRC + WRITE GATING			306
ZWC	L	A14F2		1-02 *								MASTER SLAVE BD			306
ZWC				1									6-6/8		306
ZWC	L	A09V2		1-01 *							1	CRC + WRITE GATING			307
ZWC	L	A14D1		1-02 *								MASTER SLAVE BD			307
ZWC				1									6-2/8		307
ZWC	L	A09U2		1-01 *							1	CRC + WRITE GATING			308
ZWC	L	A14S1		1-02 *								MASTER SLAVE BD			308
ZWC				1									5-4/8		308
ZWC	L	A09D2		1-01 *							1	CRC + WRITE GATING			309
ZWC	L	B14S2		1-02 *								MASTER SLAVE BD			309
ZWC				1									9-4/8		309

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
WRITE LOCK	L	A25E1		1-01 *							1	FUNCTION CONTROL			289
WRITE LOCK	L	A23E2		1-02 *							2	LAMP DRIVER			289
WRITE LOCK	L	B20U1		1-03 *							1	DELAY XMTR			289
WRITE LOCK	L	A05J1		1-04 *								VAC SW+PWR CONT CO			289
WRITE LOCK				1									27-0/8		289
WRITE STROBE	H	B21T2		1-01 *							1	BUS TRANSCEIVER			290
WRITE STROBE	H	B26P1		1-02 *								WRITE BUFFER			290
WRITE STROBE				1									5-4/8		290
WRS	L	A08F2		1-01 *							1	MASTER INT BD			291
WRS	L	B12B1		1-02 *								WRITE + GAP TIMING			291
WRS				1									6-2/8		291
X RD 0	L	A08A1		1-01 *							1	MASTER INT BD			292
X RD 0	L	B10U2		1-02 *								DATA CHECKER			292
X RD 0				1									9-0/8		292
X RD 1	L	A08B1		1-01 *							1	MASTER INT BD			293
X RD 1	L	B10T2		1-02 *								DATA CHECKER			293
X RD 1				1									8-6/8		293
X RD 2	L	A08H1		1-01 *							1	MASTER INT BD			294
X RD 2	L	B10V1		1-02 *								DATA CHECKER			294
X RD 2				1									8-2/8		294
X RD 3	L	A08K1		1-01 *							1	MASTER INT BD			295
X RD 3	L	B10V2		1-02 *								DATA CHECKER			295
X RD 3				1									8-2/8		295
X RD 4	L	A08L1		1-01 *							1	MASTER IN BD			296
X RD 4	L	A10B1		1-02 *								DATA CHECKER			296
X RD 4				1									4-4/8		296
X RD 5	L	A08N1		1-01 *							1	MASTER INT BD			297
X RD 5	L	A10H1		1-02 *								DATA CHECKER			297
X RD 5				1									4-1/8		297
X RD 6	L	A08R1		1-01 *							1	MASTER INT BD			298
X RD 6	L	A10J1		1-02 *								DATA CHECKER			298
X RD 6				1									4-2/8		298
X RD 7	L	A08S1		1-01 *							1	MASTER INT BD			299
X RD 7	L	A10P1		1-02 *								DATA CHECKER			299
X RD 7				1									4-2/8		299

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
X RD	L	A08M1		1-01 *							1	MASTER INT BD			300
X RD	L	A10H2		1-02 *								DATA CHECKER			300
X RD				1									4-6/8		300
ZWC	L	A09J1		1-01 *							1	CRC + WRITE GATING			301
ZWC	L	A14U2		1-02 *								MASTER SLAVE BD			301
ZWC				1									6-6/8		301
ZWC	L	A09J2		1-01 *							1	CRC + WRITE GATING			302
ZWC	L	B14E1		1-02 *								MASTER SLAVE BD			302
ZWC				1									6-2/8		302
ZWC	L	A09K1		1-01 *							1	CRC + WRITE GATING			303
ZWC	L	A14N1		1-02 *								MASTER SLAVE BD			303
ZWC				1									6-0/8		303
ZWC	L	A09N2		1-01 *							1	CRC + WRITE GATING			304
ZWC	L	A14L1		1-02 *								MASTER SLAVE BD			304
ZWC				1									5-4/8		304
ZWC	L	A09R2		1-01 *							1	CRC + WRITE GATING			305
ZWC	L	A14J1		1-02 *								MASTER SLAVE BD			305
ZWC				1									6-0/8		305
ZWC	L	A09T2		1-01 *							1	CRC + WRITE GATING			306
ZWC	L	A14F2		1-02 *								MASTER SLAVE BD			306
ZWC				1									6-6/8		306
ZWC	L	A09V2		1-01 *							1	CRC + WRITE GATING			307
ZWC	L	A14D1		1-02 *								MASTER SLAVE BD			307
ZWC				1									6-2/8		307
ZWC	L	A09U2		1-01 *							1	CRC + WRITE GATING			308
ZWC	L	A14S1		1-02 *								MASTER SLAVE BD			308
ZWC				1									5-4/8		308
ZWC	L	A09D2		1-01 *							1	CRC + WRITE GATING			309
ZWC	L	B14S2		1-02 *								MASTER SLAVE BD			309
ZWC				1									9-4/8		309

MASTER DRAWING LIST

MAINTENANCE MANUALS NO.	TITLE	UNIT VARIATIONS H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D
H73Ø-Ø	POWER SUPPLY	X	X	X	X

USED ON OPTIONS

REVISIONS REV.	DATE	CHG. NO	APP'D.
A	10/71	H730-7	M.M.
B	4/72	H73Ø-8	
C	4/73	H73Ø-9	
D	9-73	H73Ø-10	

DRN. P. LEBLANC	DATE 12-30-	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. J. FLEMING	DATE 1-8-71	
ENG. J. BARDONE	DATE 2-11-71	TITLE H73Ø POWER SUPPLY
PROJ. ENG. J. BARDONE	DATE 2-11-71	
PROD. B. CROSS	DATE 2-11-71	
FIRST USED ON TU1Ø		SIZE A / CODE ML / NUMBER H73Ø-Ø / REV. D
SCALE		DIST.
SHEET 1 OF 2		

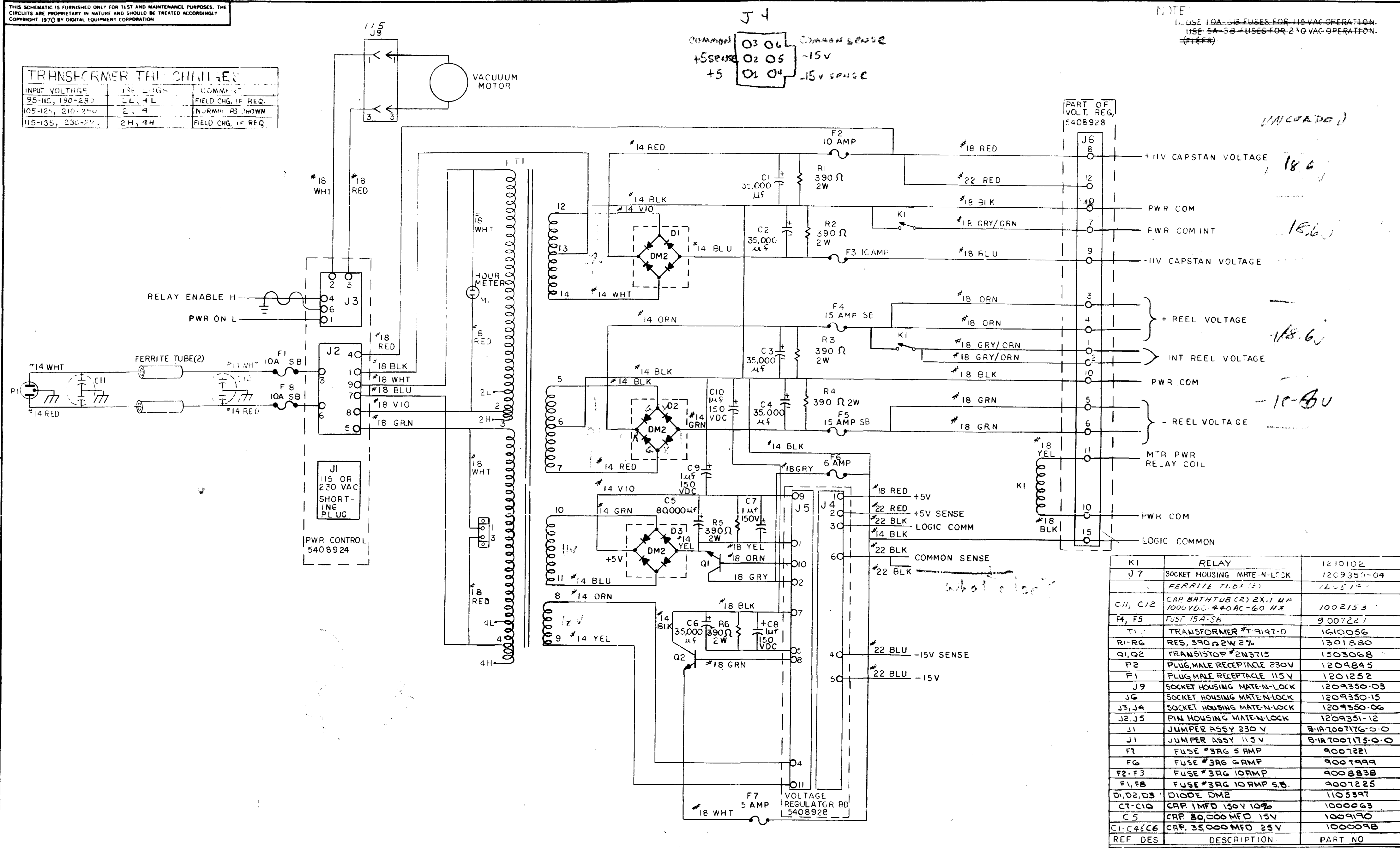
DRA 121

PRINT SET H73Ø	DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE	OPTION NO.
X	D-DI-H73Ø-Ø-2	D	1	DRAWING INDEX	
X	D-UA-H73Ø-Ø-Ø	K	4	H73Ø POWER SUPPLY	
X	A-PL-H73Ø-Ø-Ø	K	4	H73Ø POWER SUPPLY (PL)	
X	D-CS-H73Ø-Ø-1	D	1	H73Ø CIRCUIT SCHEMATIC	
X	D-CS-5408928-Ø-1	※	1	VOLTAGE REGULATOR CIRCUIT SCHEMATIC	
X	C-CS-5408924-Ø-1	※	1	POWER CONTROL CIRCUIT SCHEMATIC	

TITLE			SIZE	CODE	NUMBER	REV.
H73Ø POWER SUPPLY	SHEET 2 OF 2		A	ML	H73Ø-Ø	D

DRA 132

DEC 16 (325) 1048 1 N471



K1	RELAY	1210102
J7	SOCKET HOUSING MATE-N-LOCK	1209350-04
	FERRITE TUBE (2)	[illegible]
C11, C12	CAP BATHTUB (2) 2X.1 µF 1000 VDC 440AC-60 HZ	1002153
F4, F5	FUSE 15A-SB	9007221
T1	TRANSFORMER #T-9147-D	1610056
R1-R6	RES, 390Ω 2W 2%	1301880
Q1, Q2	TRANSISTOR #2N3715	1503068
P2	PLUG, MALE RECEPTACLE 230V	1204845
P1	PLUG, MALE RECEPTACLE 115V	1201252
J9	SOCKET HOUSING MATE-N-LOCK	1209350-03
J6	SOCKET HOUSING MATE-N-LOCK	1209350-15
J3, J4	SOCKET HOUSING MATE-N-LOCK	1209350-06
J2, J5	PIN HOUSING MATE-N-LOCK	1209351-12
J1	JUMPER ASSY 230 V	B-IA-7007176-0-0
J1	JUMPER ASSY 115 V	B-IA-7007175-0-0
F7	FUSE #3AG 5 AMP	9007221
F6	FUSE #3AG 6AMP	9007999
F2-F3	FUSE #3AG 10AMP	9008838
F1, F8	FUSE #3AG 10 AMP S.B.	9007225
D1, D2, D3	DIODE DM2	1105397
C7-C10	CAP. 1MFD 150V 10%	1000063
C5	CAP. 80,000 MFD 15V	1009190
C1-C4 & C6	CAP. 35,000 MFD 25V	1000098
REF DES	DESCRIPTION	PART NO

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE H730 POWER SUPPLY

SIZE D | CODE CS | NUMBER H730-0-1 | REV. E

PRINTED CIRCUIT REV.

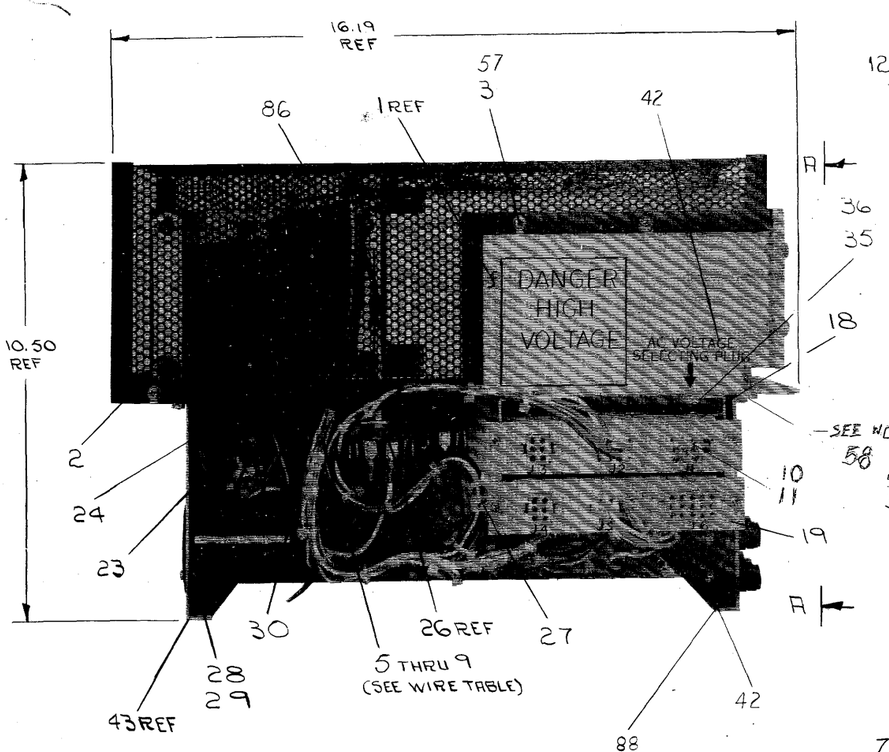
DEC FORM NO. DRD 11B

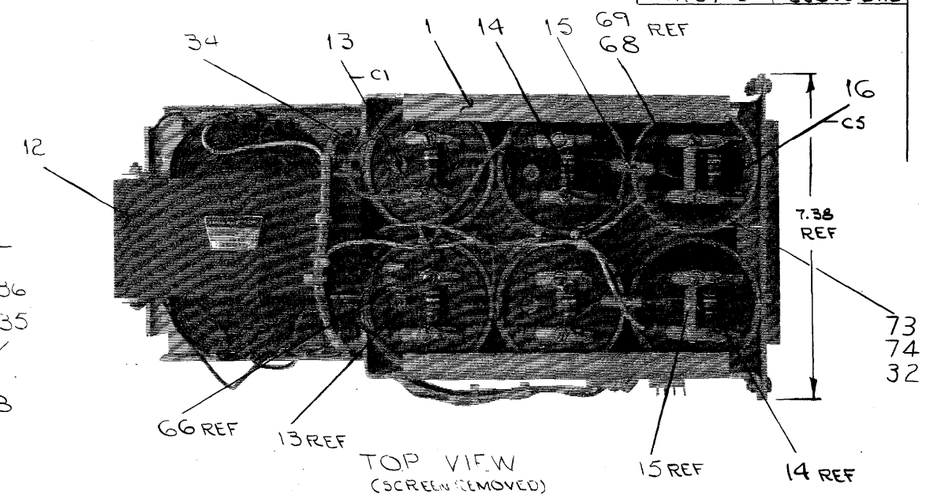
REV.	NUMBER	SIZE	CODE
K	H730-0-0	D	UA

LEGEND	
NUMBER	VARIATION
H730-A	115V 60 HZ
H730-B	230V 60 HZ
H730-C	115V 50 HZ
H730-D	230V 50 HZ

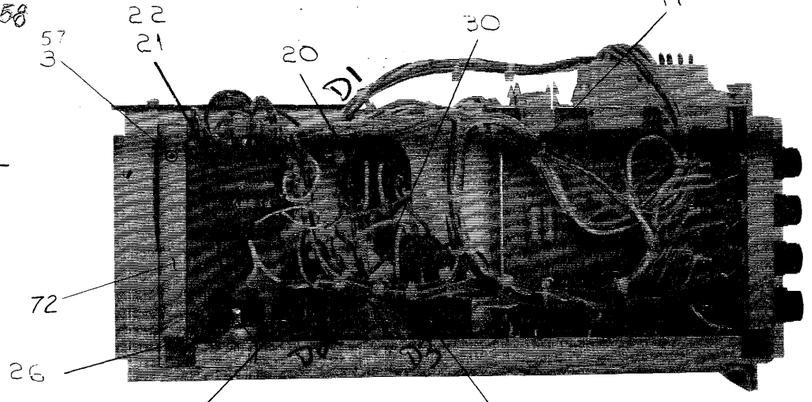
NOTES

1. FOR DRAWING INDEX LIST, REFER TO: D-DI-H730-0-2.
2. BEFORE ASSEMBLY OF ITEM #1 TO ITEM #93 APPLY A FILM OF THERMAL COMPOUND (ITEM #58) TO THE MATING SURFACES.





TOP VIEW (SCREEN REMOVED)



BOTTOM VIEW

REVISIONS			
CHK	CHANGE NO.	REV.	
		A	
J. Baldone 3/15/71	H730-0000	B	
J. Baldone 6/10/71	H730-00004	C	
J. Baldone 6/21/71	H730-00005	D	
		I	
		J	
	H730-00009	J	
	H730-00010	K	

QTY.	DESCRIPTION	PART NO.	ITEM NO.		
	PARTS LIST				

FIRST USED ON OPTION/MODEL: TU10

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'

FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —"—

FINISH —"—

DRN. J. Baldone	DATE 10 DEC 70	
CHK. J. Kenny	DATE 1-8-71	
ENG. J. Baldone	DATE 1-29-71	
PROJ. ENG. J. Baldone	DATE 1-28-71	
PROD. E. Curtis	DATE 1-29-71	

NEXT HIGHER ASSY: D-MD-700675G-C-0

SCALE: NONE

SHEET: 1 OF 4

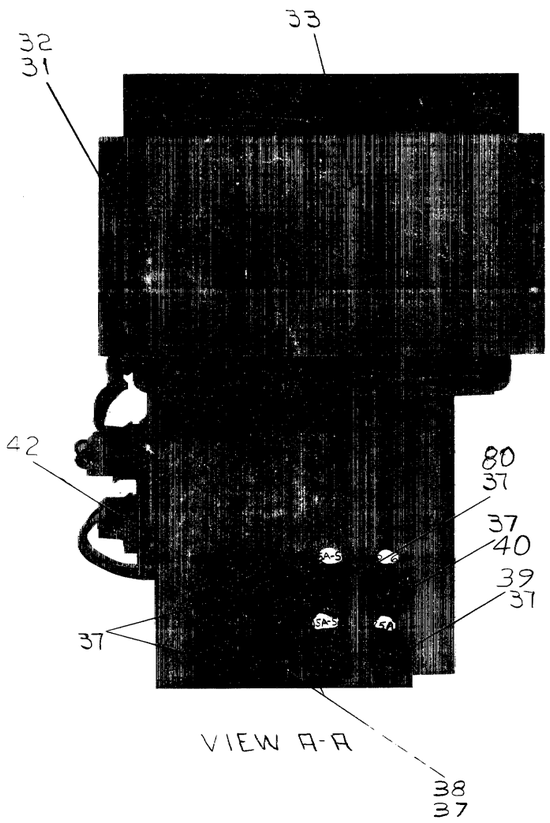
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: H730 POWER SUPPLY

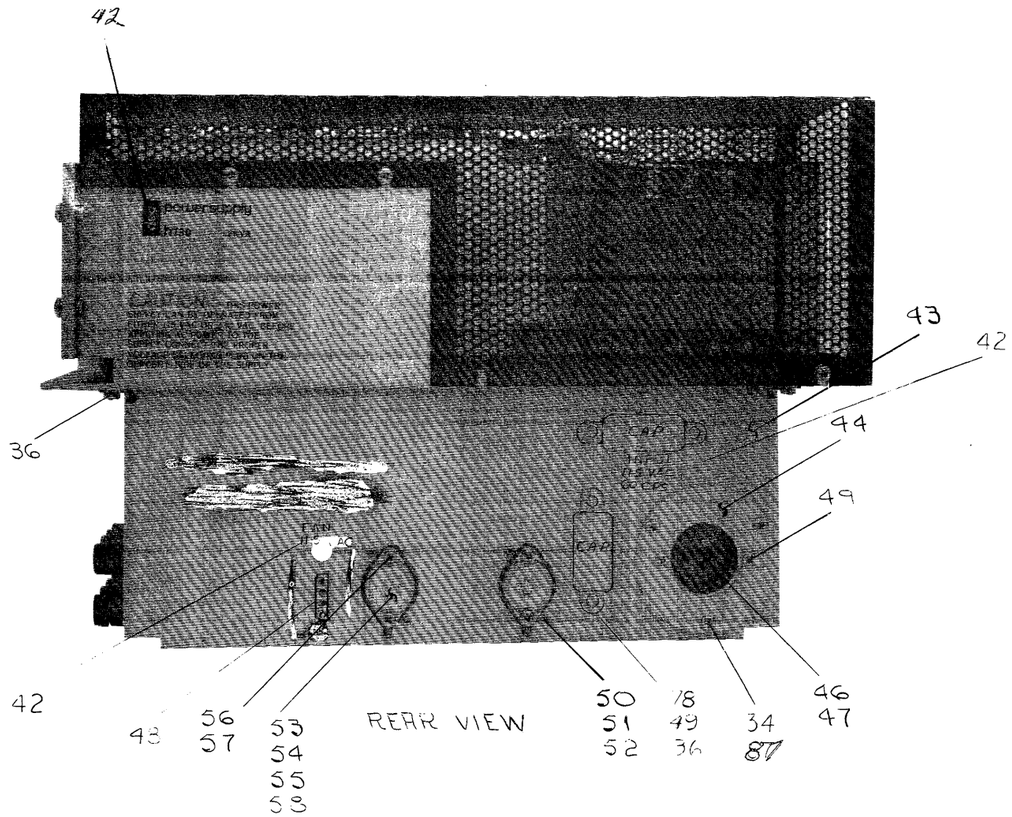
SIZE	CODE	NUMBER	REV.
D	UA	H730-0-0	K

DIST.

DEC FORM NO 100



VIEW A-A



REAR VIEW

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

REVISION	CHANGE #	CHK
REV.		

FIRST USED ON OPTION/MODEL: TU10

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN.	V.E. Blanc	DATE 1-8-71
CHK'D	J.F. Cox	DATE 1-8-71
ENG.	D. Sandone	DATE 1-20-71
PROJ. ENG.	D. Sandone	DATE 1-29-71
PROD.	B. Elms	DATE 1-29-71

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: H730 POWER SUPPLY

NEXT HIGHER ASSY: D-AD-7006756-0-0

SCALE: NONE

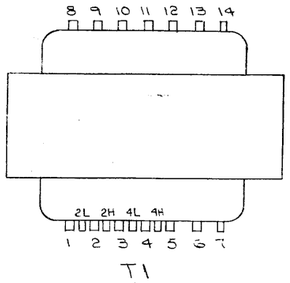
SHEET 2 OF 4

SIZE	CODE	NUMBER	REV.
D	UA	H730-0-0	K

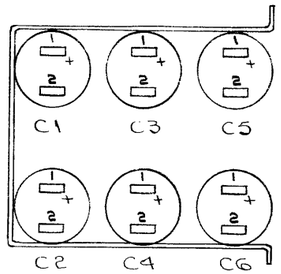
DIST.

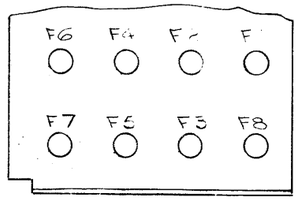
REV. K | NUMBER H730-0-0 | SIZE D | CODE UA

DEC FORM NO 100

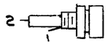


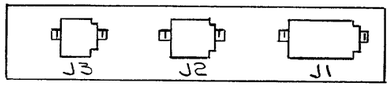
T1



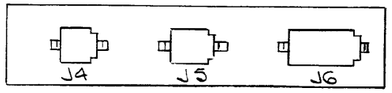


REAR VIEW OF FUSES


F1 THRU F8

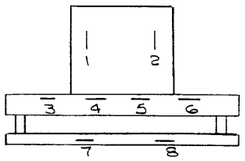


POWER CONTROL BOARD

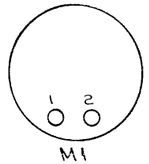


VOLTAGE REGULATOR BOARD

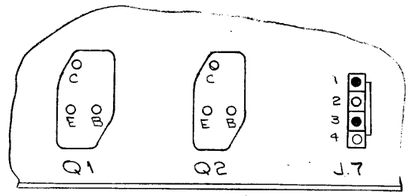
FRONT VIEW OF CONNECTORS



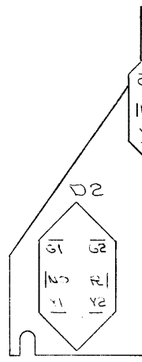
K1
(RELAY)

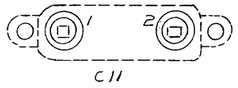


M1
(HOUR METER)

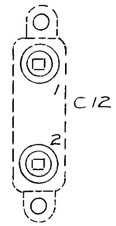


P1
(115 OR 230V INLET)





C11



C12

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

REVISIONS			
CHK	CHANGE NO		REV

FIRST USED ON OPTION/MODEL: TU10

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY √
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —//—

FINISH —//—

DRN.	DATE 22 Dec 70	
CHK'D.	DATE 1-8-71	
ENG.	DATE 1-29-71	
PROJ. ENG.	DATE 1-29-71	
PROD.	DATE 1-29-71	

NEXT HIGHER ASSY: D-AD-7006756-0-0

SCALE: NONE

SHEET 3 OF 4

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
H730
POWER SUPPLY

SIZE	CODE	NUMBER	REV.
D	UA	H730-0-0	K

DIST.

DEC FORM NO DRD 100

SIZE D CODE UA NUMBER H730-0-0 REV K

WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM HARNESS POINT NUMBER	TO POWER SUPPLY LOCATION	REMARKS
5	14	VIO	1	D1-G1	
		WHT	2	D1-G2	
		GRN	3	D3-G2	
		BLU	4	D3-G1	
		RED	5	D2-G2	
		BLK	6	D2-G1	
		BLK	7	T1-5	
		RED	8	T1-7	
		BLU	9	T1-11	
		GRN	10	T1-10	
		WHT	11	T1-14	
5	14	VIO	12	T1-12	
6	18	BLK	1	K1-5	
	18	ORN	2	K1-4	
	14	RED	3	C12-1	
	TWP	WHT	4	C12-2	
	14	GRN	5	D2-NO	
	14	ORN	6	D2-R	
	14	BLU	7	D1-NO	
	14	RED	8	D1-R	
	14	WHT	9	F1-2	
	TWP	RED	10	F8-2	
	14	BLU	11	F3-1	
	14	RED	12	F2-1	
	14	GRN	13	F5-1	
	14	ORN	14	F4-1	
	18	ORN	15	F4-2	
	18	WHT	16	F7-1	
	18	BLK	17	F6-1	
6	18	WHT	18	Q2-E	
7	-	-	J6	J6 SLOT	
	14	BLK	14	K1-1	
	14	BLK	15	K1-5	
	18	GRY/ORN	16	K1-3	
	18	GRY/ORN	17	K1-3	
	18	GRY/GRN	18	K1-6	
	18	YEL	19	K1-2	
	22	RED	20	F2-2	
	18	RED	21	F2-2	
		BLU	22	F3-2	
		GRN	23	F5-2	
		GRN	24	F5-2	
		ORN	25	F4-2	
	18	ORN	26	F4-2	
7	14	BLK	27	F7-2	
8		BLU	1	D1-NO	
		GRN	2	D2-NO	
		BLK	3	Q2-C	
		YEL	4	D3-NO	
8	14	VIO	5	D3-R	

WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM HARNESS POINT NUMBER	TO POWER SUPPLY LOCATION	REMARKS
8	14	ORN	6	D2-R	
		RED	7	D1-R	
		RED	8	C1-1	
		ORN	9	C3-1	
		YEL	10	C5-2	
		VIO	11	C5-1	
		BLK	12	C6-1	
		GRN	13	C4-2	
8	14	BLU	14	C2-2	
9	-	-	J2	J2 SLOT	
	18	RED	9	M1-2	
	TWP	WHT	10	M1-1	
	14	BLK	11	K1-1	
		BLK	12	C2-1	
		WHT	13	C6-2	
		YEL	14	T1-9	
	14	ORN	15	T1-8	
	18	RED	16	T1-2	
	TWP	WHT	17	T1-1	
	18	RED	18	T1-3	
	TWP	WHT	19	T1-4	
	18	GRN	20	T1-3	
		WHT	21	T1-1	
		VIO	22	T1-2	
		BLU	23	T1-4	
		ORN	24	Q1-B	
	18	YEL	25	Q1-E	
	14	VIO	26	D3-R	
	18	GRY	27	Q1-C	
		BLK	28	F6-1	
		GRY	29	F6-2	
		RED	30	F2-2	
	18	GRY	31	F6-2	
	14	WHT	32	F1-1	
	TWP	RED	33	F8-1	
	18	BLK	34	Q2-C	
	18	GRN	35	Q2-B	
	-	-	J7	J7 SLOT	
9	-	-	J5	J5 SLOT	

JUMPER TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM P.S. LOCATION	WITH	TO P.S. LOCATION	WITH
60	14	YEL	D1-Y2		D1-G2	
			D1-Y1		D1-G1	
			D2-Y2		D2-G2	
			D2-Y1		D2-G1	
			D3-Y2		D3-G2	
60			D3-Y1		D3-G1	
61		YEL	D3-NO		Q1-E	
62		BLK	T1-6		C2-1	66
62			T1-13		C1-2	
63			C1-2		C3-2	
63			C3-2		C4-1	
63			C2-1		C4-1	
64			C2-1		CHASSIS GND	
64	14		CHASSIS GND		FRAME GND	
65	18	BLK	F7-2		F6-1	
73	14	WHT	C11-2		P1-1 (SILVER)	
		RED	C11-1		P1-2 (GOLD)	
74	14	WHT	C11-2		C12-2	
75	14	RED	C11-1		C12-1	

EXTERNAL COMPONENTS LIST

ITEM NO	DESCRIPTION	POL	FROM	TO	POL	WITH
14	RES 390Ω 2W 10%		C1-1	C1-2		67,68
			C2-1	C2-2		67,68
			C3-1	C3-2		67,68
			C4-1	C4-2		67,68
			C5-1	C5-2		67,69
14	RES 390Ω 2W 10%		C6-1	C6-2		67,69
15	CAP 1MFD 150V 10%	NEG	C3-2	C5-1	POS	70,68
		POS	C4-1	C6-2	NEG	70,68
		POS	C5-1	C5-2	NEG	70,68
15	CAP 1MFD 150V 10%	POS	C6-1	C6-2	NEG	70,68

REV	REVISION CHANGE	CHK
O		

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

FIRST USED ON OPTION / MODEL: TU10

DO NOT SCALE DRAWING

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

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

		DATE
DRN.		
CHK'D.		12-69-71
ENG.		12-69-71
PROG.		12-69-71
PROD.		12-69-71

NEXT HIGHER ASSY: DAD 7006/50 C 0

SCALE: NONE

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: H730 POWER SUPPLY

SIZE	CODE	NUMBER	REV
D	UA	H730-0-0	K

DIST.

DEC FORM NO. CPD 100

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D
		LOCK WASH #6 EXT TOOTH	12	12	12	12
	-IA-7007102-0-0	HARNESS, DIODES	1	1	1	1
	D-IA-7007101-0-0	HARNESS, FUSE	1	1	1	1
	-IA-7007100-0-0	HARNESS, CONN. PLUG	1	1	1	1
	-IA-7007099-0-0	HARNESS, CAP. TO DIODES	1	1	1	1
	-IA-7007103-0-0	HARNESS, CONNECTOR	1	1	1	1
	-IA-7007175-0-0	115V JUMPER ASSEMBLY	1	Ø	1	Ø
	-IA-7007176-0-0	230V JUMPER ASSEMBLY	Ø	1	Ø	1
12	1610056	TRANSFORMER #T-9147D KAPITOL MAGNETICS	1	1	1	1
13	1000093	CAPACITOR, 35,000 MFD 25V	5	5	5	5
14	1001680	RESISTOR, 39Ø 2W 1Ø%	6	6	6	6
15	1000063	CAPACITOR 1 MFD 15ØV 1Ø%	4	4	4	4
16	1009190	CAPACITOR 80,000 MFD 15V	1	1	1	1
17	D-IA-5308948-0-0	BRACKET, REGULATOR BOARDS	1	1	1	1
18	D-IA-5408924-0-0	POWER CONTROL BOARD	1	1	1	1
19	-IA-5408928-0-0	VOLTAGE REGULATOR BOARD	1	1	1	1
20	1105397	DIODE #DM2	3	3	3	3
21	1201208	HOUR METER 115V 6Ø HZ	1	1	Ø	Ø
22	1202234	HOUR METER 115V 5Ø HZ	Ø	Ø	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
H73Ø POWER SUPPLY	D-UA-H73Ø-Ø-Ø	A	PL	H73Ø-Ø-Ø	K	H730-00010
	SHEET 1 OF 5	DIST. 6				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	P.J. LEBLANC	CHECKED	J. FLEMING	SECTION
DATE	12-18-70	DATE	1-8-71	1
ENG	P. Bayeleure	PROD	B E Cam	ISSUED SECT.
DATE	1-20-71	DATE	1-29-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D
23	1210102	RELAY	1	1	1	1
24	9006803	SPACER ¼ AF X ½ LG X #6 HOLE	3	3	3	3
25	9008185	NUT, KEPS #6-32 (SMALL)	5	5	5	5
26	C-MD-5308870-0-0	PLATE, RECTIFIER	1	1	1	1
27	9007081	CABLE CLAMP NYLON ¼ DIA	1	1	1	1
28	9006012-1	SCR PHL HD PAN #4-40 X 7/16	3	3	3	3
29	9006557	NUT, KEP #4-40	9	9	9	9
30	9007151	SNAP BUSHING BLK NYLON #750-10	2	2	2	2
31	9006073-1	SCR PHL HD PAN #10-32 X ½ LG	4	4	4	4
32	9006635	LOCK WASH #10 INT TOOTH	28	28	28	28
33	C-IA-5308785-0-0	COVER, BRACKET POWER SUPPLY	1	1	1	1
34	9006565	NUT KEPS #10-32	7	7	7	7
35	9006022-2	SCR PHL HD FLAT #6-32 X 3/8	4	4	4	4
36	9006560	NUT, KEPS #6-32 (LARGE)	14	14	14	14
37	9007242	FUSE HOLDER HKP	8	8	8	8
38	9008838	FUSE #3AG 10 AMP	2	2	2	2
39	9007221	FUSE #3AG 5 AMP	1	1	1	1
40	9007999	FUSE #3AG 6 AMP	1	1	1	1
41	9007225	FUSE #3AG 10 AMP SB	2	2	2	2
42	-DC-5309349-0-0	POWER SUPPLY LABEL	1	1	1	1
43	D-IA-5308784-0-0	CHASSIS, POWER SUPPLY SUPPORT	1	1	1	1
44	-MD-5308787-1-0	ADAPTER PLATE 115V	1	0	1	0

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
H73Ø POWER SUPPLY	D-UA-H73Ø-Ø-Ø	A	PL	H73Ø-Ø-Ø	K	
	SHEET 2 OF 5	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P.J. LEBLANC	CHECKED J. FLEMING	SECTION
DATE 12-18-70	DATE 1-8-71	1
ENG J Bardone	PROD B E Gins	ISSUED SECT.
DATE 1-29-71	DATE 1-29-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D
45	900601[illegible]-1	SCR PHL HD PAN #4-40 X 3/4 LG	6	6	6	6
46	120125[illegible]	PLUG, MALE RECEPTACLE 115V	1	Ø	1	Ø
47	9008854	PLUG, MALE RECEPTACLE 23ØV	Ø	1	Ø	1
48	1209350-04	SOCKET HOUSING MATE 'N' LOCK	1	1	1	1
49	900602[illegible]-1	SCR PHL HD PAN #6-32 X 3/8 SST	6	6	6	6
50	9006004-1	SCR PHL HD PAN #2-56 X 7/16 LG	4	4	4	4
51	900655[illegible]	NUT, HEX #2-56	4	4	4	4
52	900663[illegible]	LOCK WASH #2-56 INT TOOTH	4	4	4	4
53	1503068	TRANSISTOR #DEC2N3715	2	2	2	2
54	900672[illegible]	WASHER, INSULATING	2	2	2	2
55	120120[illegible]	TRANSISTOR SOCKET	2	2	2	2
56	9007795-1	SCR PHL PAN #6-32 X 9/16	4	4	4	4
57	900663[illegible]	LOCK WASH #6 INT TOOTH	16	16	16	16
58	900826[illegible]	THERMAL COMPOUND	A/R	A/R	A/R	A/R
~~59~~	~~A-DC-5[illegible]09348-0-0~~	~~VOLTAGE LABEL~~	~~1~~	~~1~~	~~1~~	~~1~~
60	740851[illegible]-0	JUMPER #14 YEL (3"LG)9007919 BOTH ENDS	6	6	6	6
61	740851[illegible]-0	JUMPER #14 YEL (4"LG)9007919 & TIN	1	1	1	1
62	7408518-0	JUMPER #14 BLK (6"LG)9007919 & TIN	2	2	2	2
63	740851[illegible]-0	JUMPER #14 BLK (3"LG)9007919 BOTH ENDS	3	3	3	3
64	740852[illegible]-0m	JUMPER #14 BLK (15"LG)9007928BOTH ENDS	2	2	2	2
65	740852[illegible]-0	JUMPER #18 BLK (3"LG) TIN, BOTH ENDS	1	1	1	1
66	900719[illegible]	TERM ADAPTER #3005[illegible]1B ARKLESS	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
H73Ø POWER SUPPLY	D-UA-H73Ø-Ø-Ø	A	PL	H73Ø-Ø-Ø	K	
	SHEET 3 OF 5	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P.J. LEBLANC	CHECKED J. FLEMING	SECTION
DATE 12-18-70	DATE 1-8-71	1
ENG J Bardone	PROD B E Gins	ISSUED SECT.
DATE 1-29-71	DATE 1-29-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D
~~67~~	9107295-01	TUBING #14 AWG TEF INS BRN	A/R	A/R	A/R	A/R
68	900793[illegible]	CONN. #50360 ARKLESS (RED)	16	16	16	16
69	900791[illegible]	CONN. #50902 ARKLESS (RED)	8	8	8	8
70	9107256-10	TUBING #22 AWG TEF INS CLEAR	A/R	A/R	A/R	A/R
~~71~~	~~900656[illegible]~~	~~NUT KEPS #8-32~~	~~3~~	~~3~~	~~3~~	~~3~~
72	C-PS-1210289-0-0	SHIELD, SUPPORT CHASSIS	1	1	1	1
73	9007619	TAB*3000-C27-IN3 ARK LESS	2	2	2	2
74	9008C07-1	SCR PHL HD PAN #10-32 x 1/4	2	2	2	2
75	7408899-0-0	JUMPER #14 RD/WH TWP 7" LONG WITH (2) 9007919 ON ONE END AND (2) 9008354 ON THE OTHER END	1	1	1	1
76	700832[illegible]-0	FERRITE JUMPER ASSY WHT	1	1	1	1
77	7008326-1	FERRITE JUMPER ASSY RED	1	1	1	1
78	100215[illegible]	CAP. BATHTUB 2X .1uf 1000 VDC 440 AC 60HZ	2	2	2	2
~~79~~	~~B-DC-53[illegible]9460-0-0~~	~~CHASSIS P.S. DECAL (230 VAC)~~	~~0~~	~~1~~	~~0~~	~~1~~
80	9007227	FUSE 15A-SB	2	2	2	2
~~81~~	~~7409090~~	~~TERMINATOR .1 MFD 250V ± 20%~~	~~2~~	~~2~~	~~2~~	~~2~~
~~82~~	~~9007594~~	~~3000-55-1 ARKLESS CONN~~	~~4~~	~~4~~	~~4~~	~~4~~
83	B-MD-530[illegible]8787-2-0	ADAPTER PLATE 230V	0	1	0	1
~~84~~	~~900658[illegible]~~	~~NUT, SPRING, U-SHAPED~~	~~3~~	~~3~~	~~3~~	~~3~~
~~85~~	~~900829[illegible]~~	~~CLIP, TINNERMAN~~	~~2~~	~~2~~	~~2~~	~~2~~

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
H73Ø POWER SUPPLY	D-UA-H73Ø-Ø-Ø	A	PL	H73Ø-Ø-Ø	K	

SHEET 4	OF 5
DIST.	

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

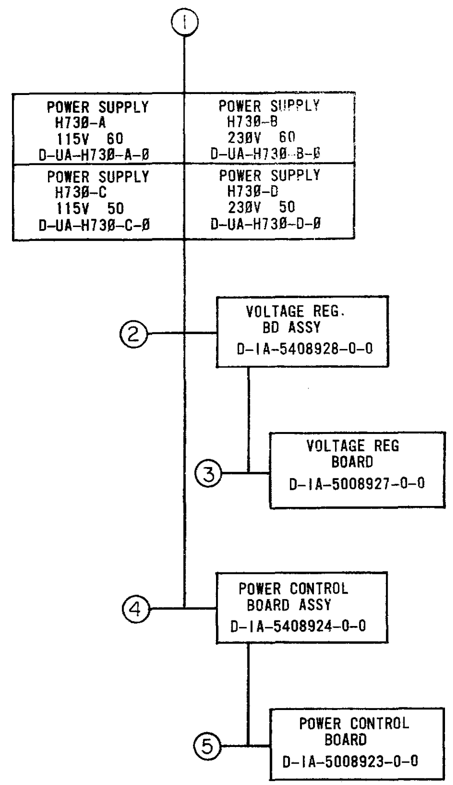
PARTS LIST

MADE BY	P.J. LEBLANC	CHECKED	J. FLEMING	SECTION	
DATE	12/18/70	DATE	1/8/71		1
ENG	J. BARDONE	PROD	B.E. CROSS	ISSUED SECT.	
DATE	1/29/71	DATE	1/29/71		1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION										
			H73Ø-A	H73Ø-B	H73Ø-C	H73Ø-D							
86	A-PS-3Ø1Ø267-Ø-Ø	STICKER "DANGER HIGH VOLTAGE"	2	2	2	2							
87	90-09072-01	SCREWS PHL PAN HD. 10-32 X 7/16 LG.	3	3	3	3							
88	90-08980	Lock Washer Int Tooth	8	8	8	8							

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV	ECO NO.
H73Ø POWER SUPPLY	D-UA-H73Ø-Ø-Ø SHEET 5 OF 5	A	PL	H73Ø-Ø-Ø	K	

DEC FORM DRA 110



MECHANICAL

FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
1.	POWER SUPPLY H73Ø-A 115V 60	D-UA-H73Ø-A-Ø			
	POWER SUPPLY (PL)	A-PL-H73Ø-A-Ø			
	POWER SUPPLY H73Ø-B 23ØV 60	D-UA-H73Ø-B-Ø			
	POWER SUPPLY (PL)	A-PL-H73Ø-B-Ø			
	POWER SUPPLY H73Ø-C 115V 50	D-UA-H73Ø-C-Ø			
	POWER SUPPLY (PL)	A-PL-H73Ø-C-Ø			
	POWER SUPPLY H73Ø-D 230V 50	D-UA-H73Ø-D-Ø			
	POWER SUPPLY (PL)	A-PL-H73Ø-D-Ø			
	CHASSIS SUPPORT	D-IA-5308784-0-0			
	POWER SUPPLY BRACKET	E-IA-5308786-0-0			
	COVER BRACKET	C-IA-5308785-0-0			
	REGULATOR BD. BRKT.	D-IA-5308948-0-0			
	RECTIFIER PLATE	C-MD-5308870-0-0			
	PROTECTIVE SHIELD	D-MD-5309183-0-0			
	ADAPTER PLATE	B-MD-5308787-0-0			
	POWER SUPPLY LABEL	B-DC-5309349-0-0			
	DIODE HARNESS	D-IA-7007102-0-0			
	CONN PLUG HARNESS	D-IA-7007100-0-0			
	CAPACITOR TO DIODE HARNESS	D-IA-7007099-0-0			
	FUSE HARNESS	D-IA-7007101-0-0			
	POWER SUPPLY HARNESS	E-IA-7007103-0-0			
	115V CONNECTOR	C-MD-7007175-0-0			
	23ØV CONNECTOR	C-MD-7007176-0-0			
	SHIELD, SUPPORT CHASSIS	C-PS-1210289-0-0			
	FERRITE JUMPER ASSY	B-IA-7008326-0-0			
	STICKER	A-PS-3610267-0-0			
2.	VOLTAGE REGULATOR BD ASSY	E-IA-5408928-0-0			
	XY COORDINATE HOLE LOC.	K-CO-548928-0-4			
	REGULATOR BD BRKT	C-MD-5509036-0-0			
3.	VOLTAGE REGULATOR BD	E-IA-5008927-0-0			
	PRINTED CIRCUIT	PC-5008927-0-1			
4.	POWER CONTROL BD ASSY	E-IA-5408924-0-0			
	XY COORDINATE HOLE LOCATION	K-CO-5408924-0-4			
	POWER CONTROL BD BRKT	F-MD-5509035-0-0			
5.	POWER CONTROL BOARD	E-IA-5008923-0-0			
	PRINTED CIRCUIT	PC-5008923-0-0			

ELECTRICAL

FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
1.	POWER SUPPLY H73Ø	A-ML-H73Ø-Ø			
	~~POWER SUPPLY H73ØB~~	~~A-ML-H73Ø-B~~			
	~~POWER SUPPLY H73ØC~~	~~A-ML-H73Ø-C~~			
	~~POWER SUPPLY H73Ø D~~	~~A-ML-H73Ø-D~~			
	CIRCUIT SCHEMATIC	D-CS-H73Ø-Ø-1			
	TEST PROCEDURE	A-SP-H73Ø-Ø-3			
2.	CIRCUIT SCHEMATIC	D-CS-5408928-0-1			
4.	CIRCUIT SCHEMATIC	D-CS-5408924-0-1			

REV.	CHANGE NO.
A	H730-0001
B	H730-0003
C	MISC-00036
D	H73Ø-ØØ08

BARDONE · BARDONE · VARTANIAN · MORGANSTERN

FIRST USED ON OPTION/MODEL: H73Ø P/S

NEXT HIGHER ASSY: D-UA-H73Ø-Ø-Ø

SCALE: — SHEET 1 OF 1

digital EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS

TITLE: DRAWING INDEX LIST

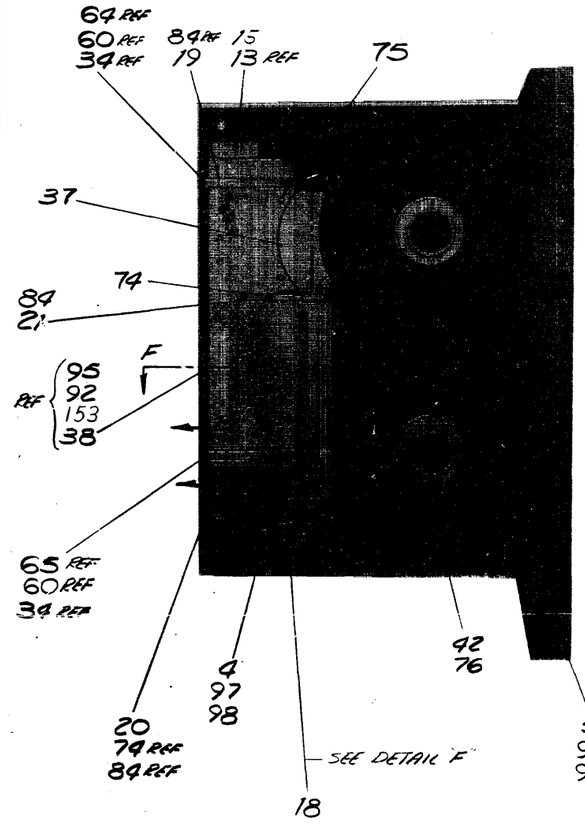
SIZE: D CODE: DI NUMBER: H73Ø-Ø-2 REV: D

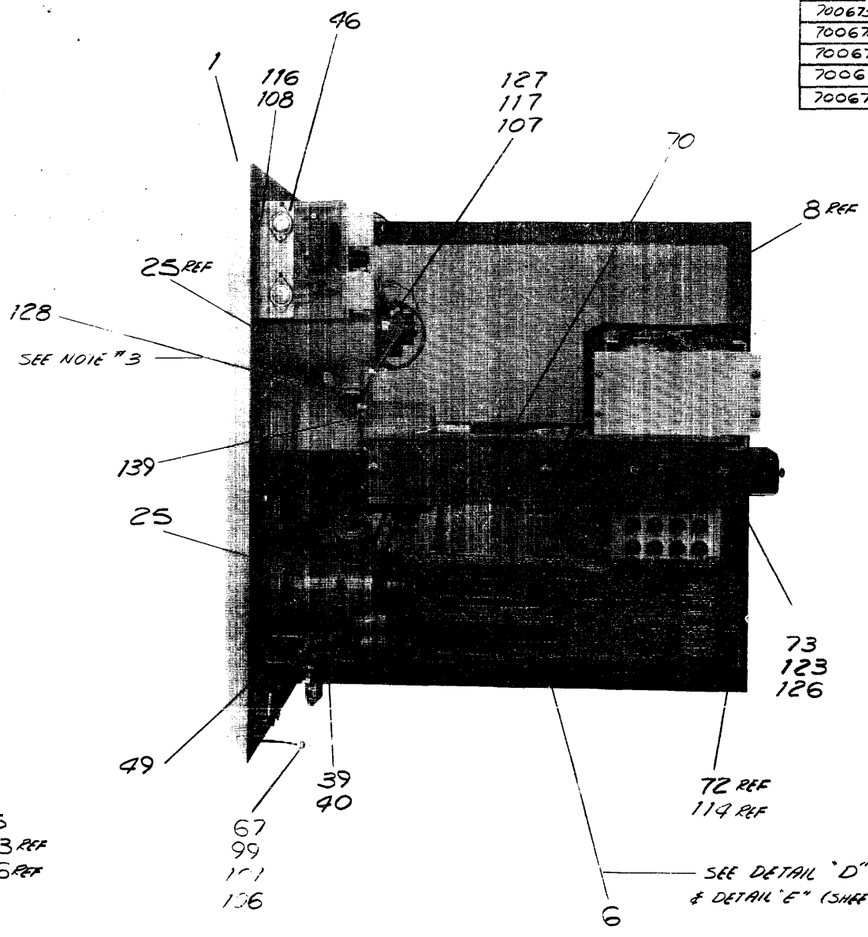
DEC FORM NO. DRD 119

LEGEND	
NUMBER	VARIATION
7006756-1	9 TRACK 115 V 60 ~
7006756-2	9 TRACK 230 V 60 ~
7006756-3	9 TRACK 115 V 50 ~
7006756-4	9 TRACK 230 V 50 ~
7006756-5	7 TRACK 115 V 60 ~
7006756-6	7 TRACK 230 V 60 ~
7006756-7	7 TRACK 115 V 50 ~
7006756-8	7 TRACK 230 V 50 ~

NOTES:

1. FOR HARNESS CONNECTIONS & GENERAL WIRING REFER TO SHEET # 6, 7 & 8.
2. THESE ITEMS TO BE COATED WITH LOCKTITE AT ASSY.
3. THESE ITEMS TO HAVE THREADS COATED WITH TEFLON PLUMBERS TAPE.
4. THESE ITEMS TO BE CEMENTED IN PLACE AT ASSY USING HYBOND ADHESIVE.
5. GAGES REQUIRED
   - A. ROLLER GUIDE GAGE: 9605960
   - B. HUB GAGE: #9605961
   - C. READ WRITE SETUP GAGE: #9605994
   - D. READ WRITE REEL GAGE: #9605993
   - E. CAPSTAN GAGE: #9605606





REVISIONS	CHK	CHANGE NO.	REV
		TUIO-00035	A
		TUIO-00044	B
		TUIO-00050	C
		TUIC-00052	D
		TUIO-00056	E
		TUIC-00057	F

DEC FORM NO. C 100

FIRST USED ON OPTION/MODEL: TUIØ

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES
DECIMALS ONE PLACE ± 0.1 TWO PLACE ± 0.05 ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

FINISH —

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN.		DATE 2-8-71
CHK'D.		DATE 2-16-71
ENG.		DATE 2-18-71
PROJ. ENG.		DATE 2-18-71
PROD.		DATE 2-23-71

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: TAPE TRANSPORT ASSY

NEXT HIGHER ASSY: D-UA-TUIØ-Ø-Ø

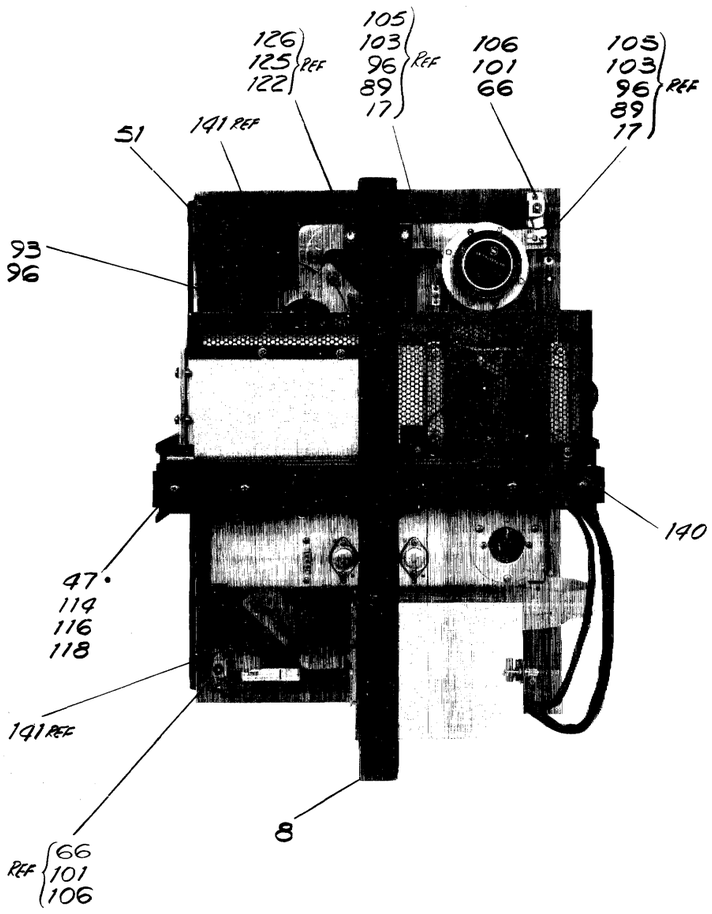
SCALE: NONE

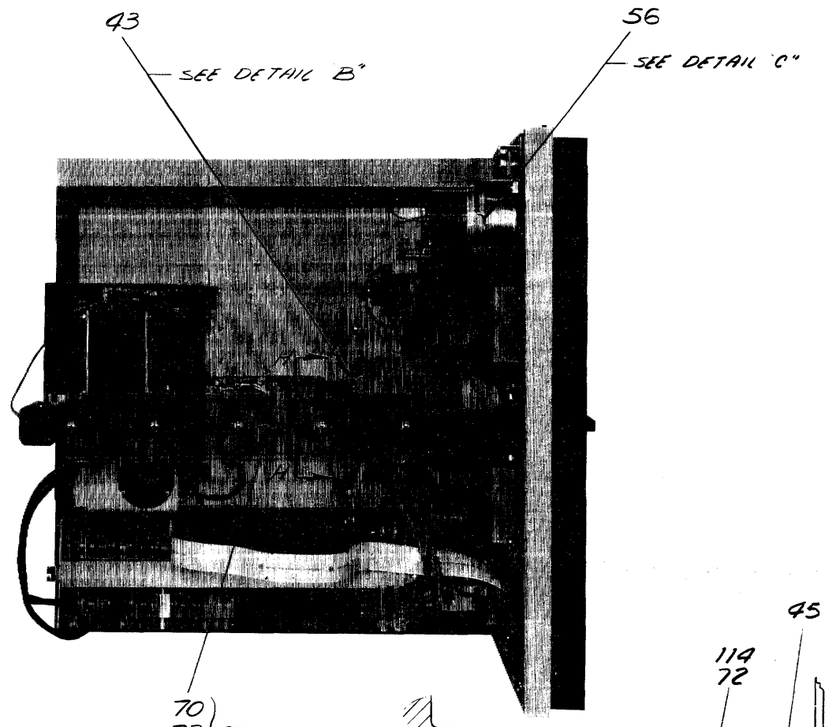
SIZE: D | CODE: AD | NUMBER: 7006756-0-0 | REV: K

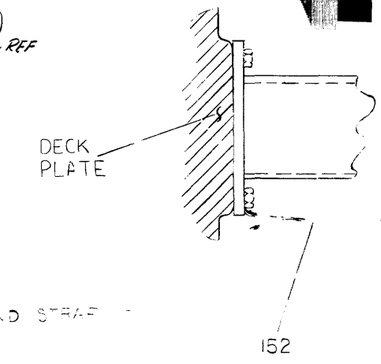
SHEET 1 OF 8

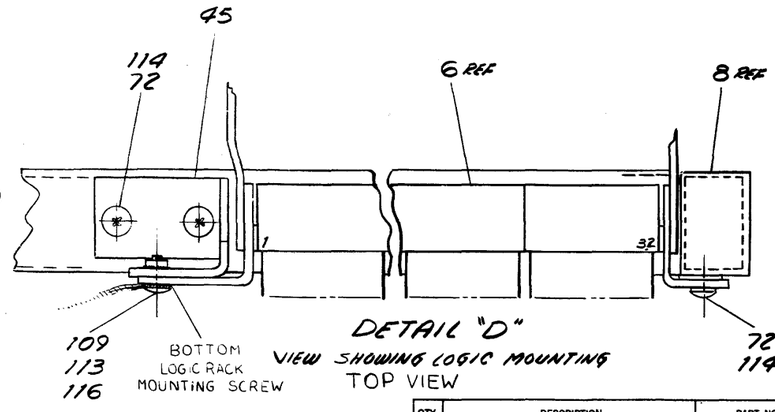
DIST.

FIRST USED D AD 7006756-0-0 K









DETAIL "D"
VIEW SHOWING LOGIC MOUNTING
TOP VIEW

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

FIRST USED ON OPTION/MODEL: TU10

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

DES. Richard DATE 1-11-71
CHK. DATE
ENG. DATE 2-18-71
PROJ. ENG. DATE 2-18-71
PROD. DATE 2-23-71
NEXT HIGHER ASSY 0-0
SCALE NONE
SHEET 2 OF 8

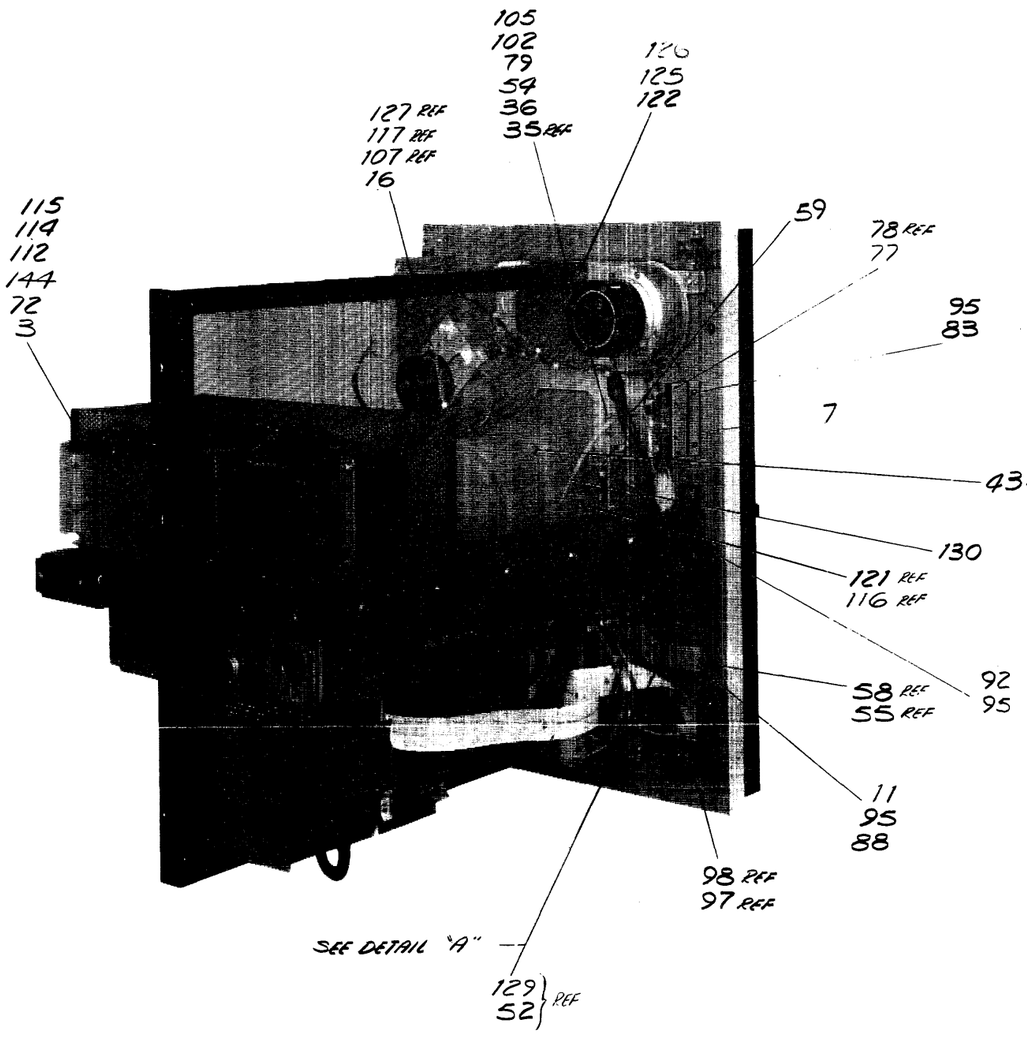
digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

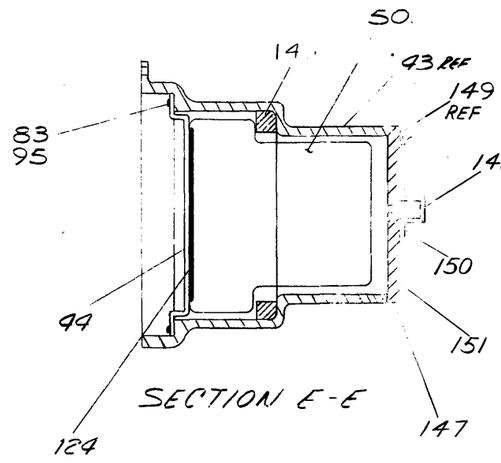
TITLE: TAPE TRANSPORT ASSY

SIZE D | CODE AD | NUMBER 7006756-0-0 | REV. K

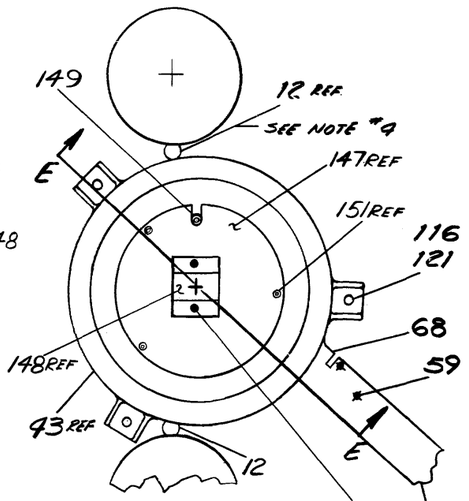
REVISIONS: REV. | CHANGE NO. | CHK

SEE FORM NO. 100

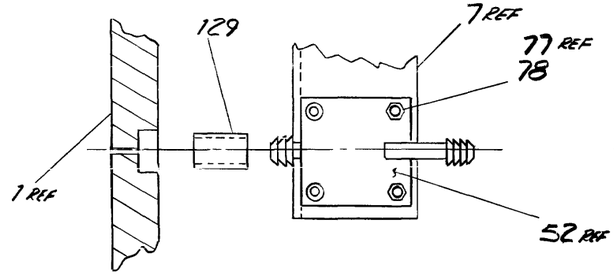




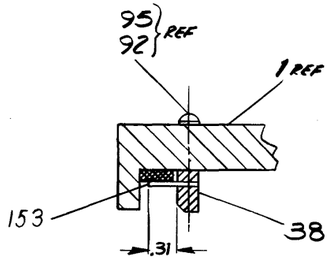
SECTION E-E



DETAIL "B"
SCALE 1/2



DETAIL "A"
EXPLODED VIEW OF SENSOR ASSY



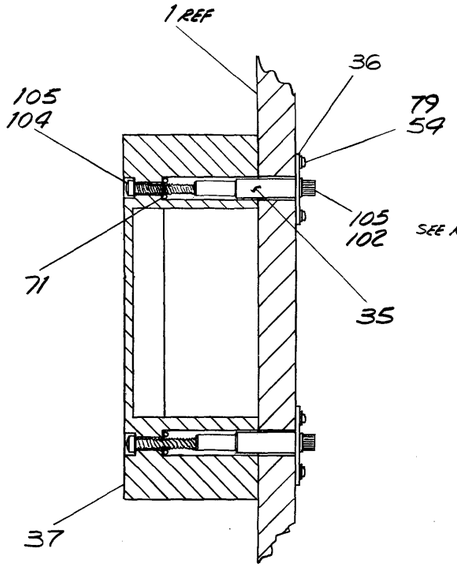
SECTION F-F

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

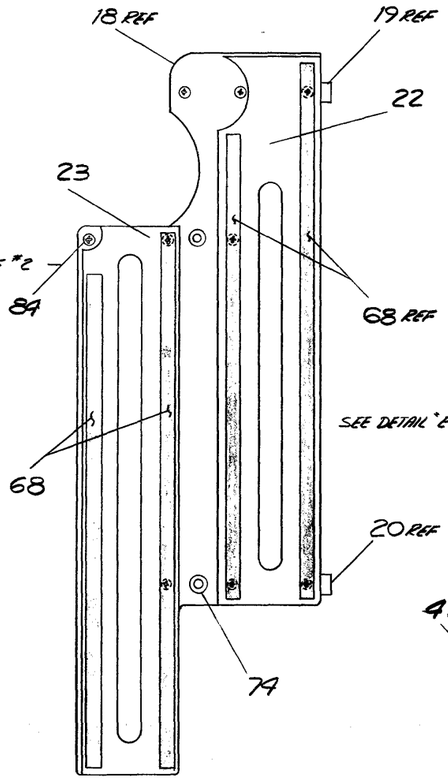
FIRST USED ON OPTION / MODEL: TU10	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES ~~DECIMALS~~ ~~FRACTIONS~~ ANGLES ± .005 ~~± 1/64~~ ± 0°30' FINAL SURFACE QUALITY √ REMOVE BURRS AND BREAK SHARP CORNERS	DRN. [signature] DATE 1-5-70 CHK'D. [signature] DATE 1-4-71 ENG. [signature] DATE 2-18-71 PROJ. ENG. [signature] DATE 2-9-71 PROD. [signature] DATE 2-23-71
MATERIAL —"	NEXT HIGHER ASSY —" 1110-0-0	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
FINISH —"	SCALE NONE SHEET 3 OF 8	TITLE: TAPE TRANSPORT ASSY
		SIZE D | CODE AD | NUMBER 7006756-0-0 | REV. K DIST.

REVISIONS: REV | CHANGE NO | CHK

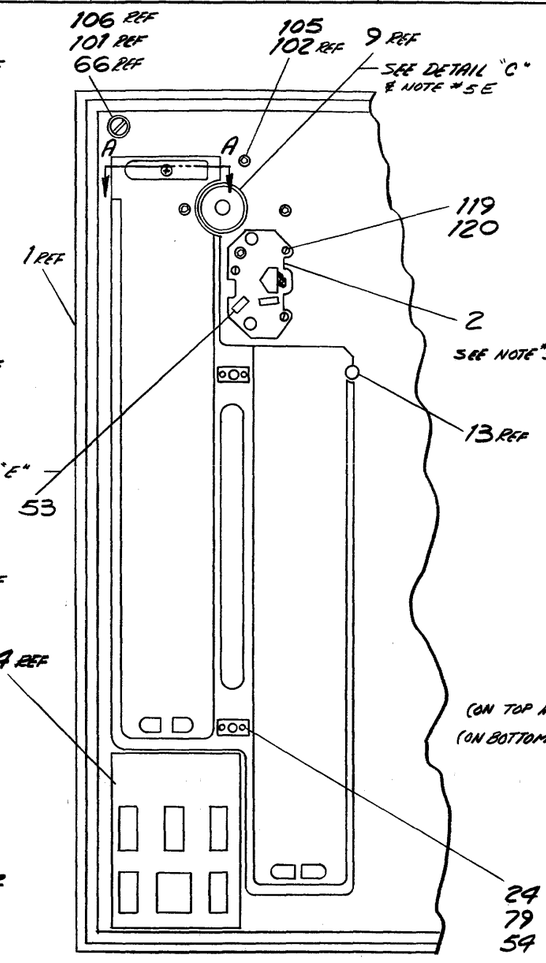
SEE FORM NO. 100



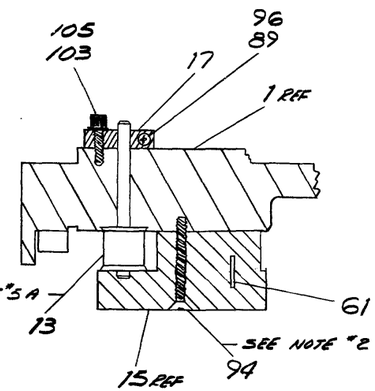
SECTION C-C



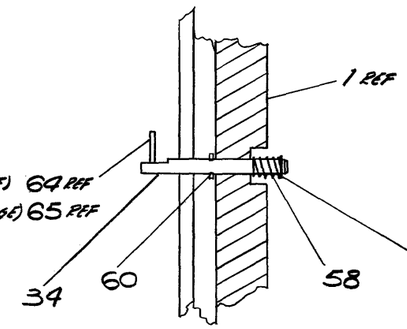
DETAIL "F"
INSIDE VIEW OF BUFFER COLUMN COVER



VIEW OF BUFFER COLUMN AND HEAD PLATE ASSY WITH BUFFER COLUMN COVER (ITEM #18) AND HEAD COVER (ITEM #37) REMOVED.

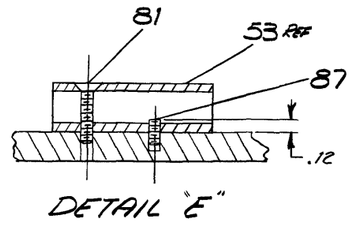


SECTION A-A



SECTION B-B

DETAIL "C"
EXPLODED DETAIL OF CAPSTAN ASSY



DETAIL "E"

FIRST USED ON OPTION/MOD: TUIØ	QTY	DESCRIPTION	PART NO.	ITEM NO.
		PARTS LIST		

UNLESS OTHERWISE SPECIFIED

TOLERANCES: FRACTIONS ±; DECIMALS .XX ±; .XXX ±; ANGLES ±0°30'

FINAL SURFACE QUALITY: REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

FINISH —

DRN		DATE 12-9-70
ENG		DATE 2-16-71
PROJ. ENG		DATE 2-22-71
PROD		DATE 3-23-71

NEXT HIGHER ASSY: D-UA-TUIØ-Ø-Ø

SCALE: NONE

SHEET 4 OF 8

DIGITAL EQUIPMENT CORPORATION

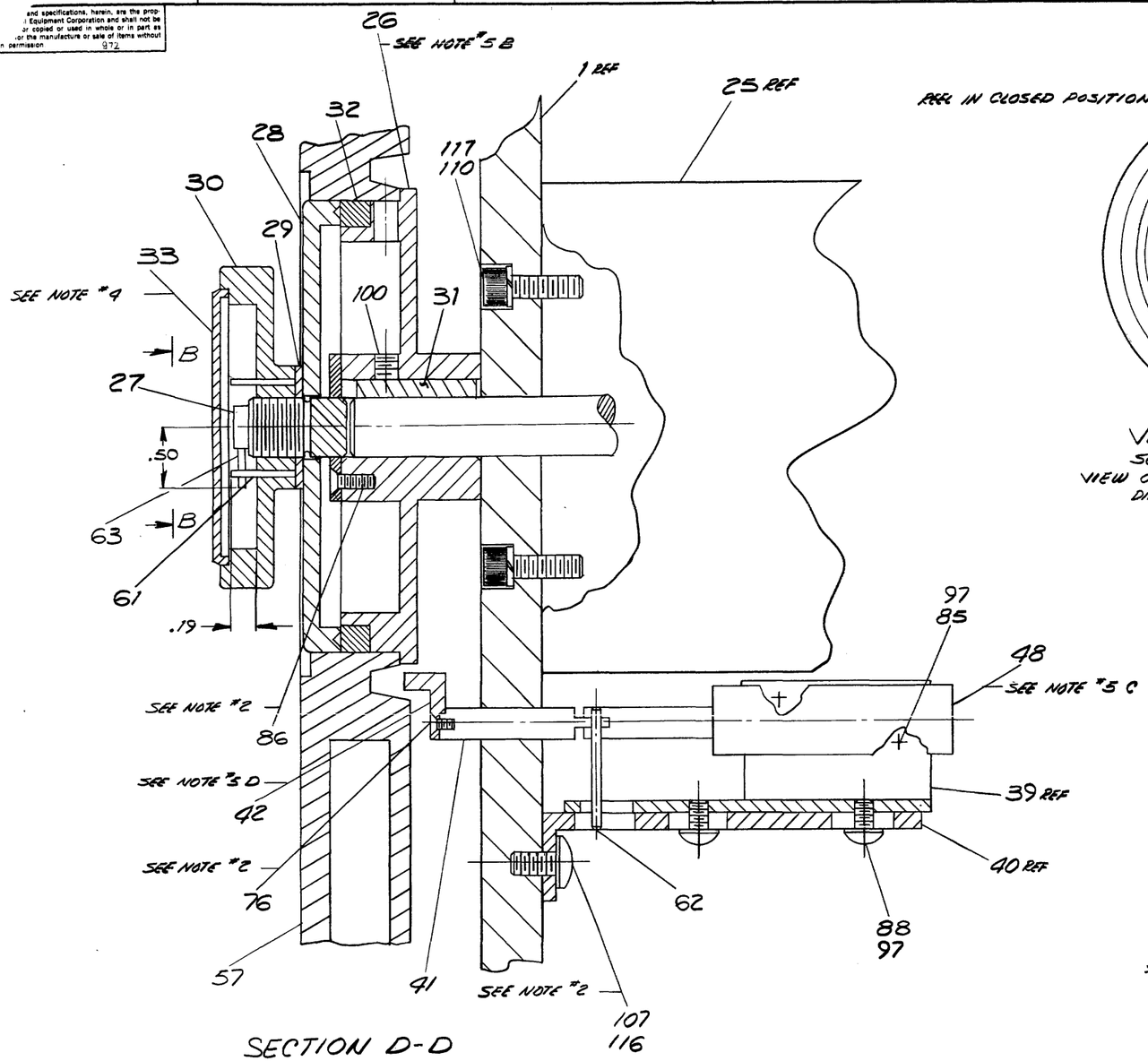
TITLE: TAPE TRANSPORT ASSY

SIZE: D | CODE: AD | NUMBER: 7006756-0-0 | REV: K

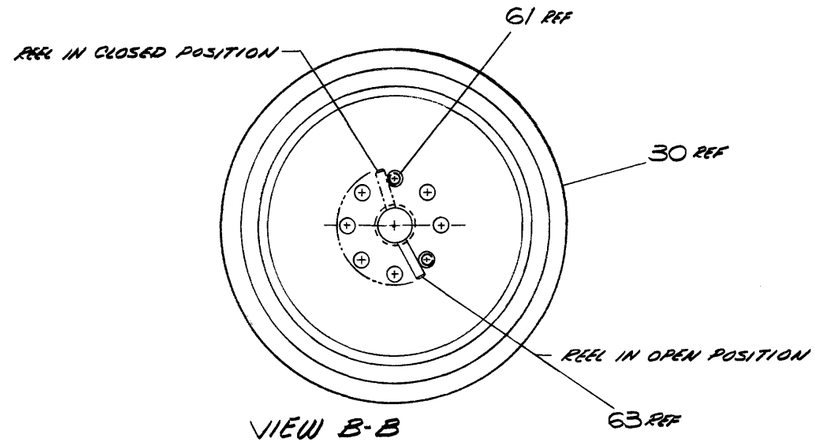
DIST

REVISIONS: REV | CHANGE NO. | CHK

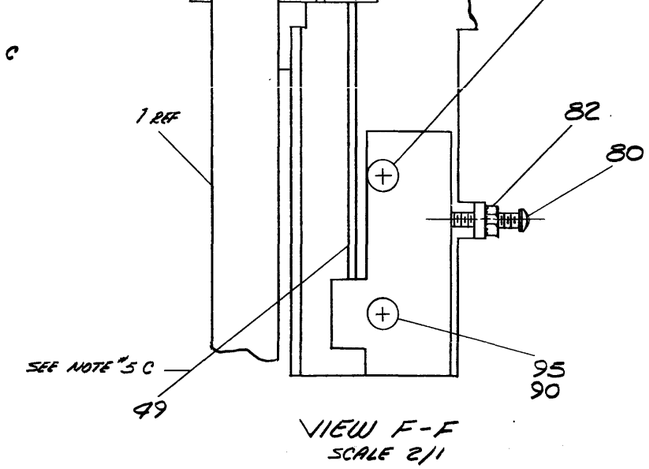
DRAWING NO. D-MD-102A



SECTION D-D
SCALE 2/1



VIEW B-B
SCALE 2/1
VIEW OF KNOB WITH DECORATIVE DISK REMOVED



VIEW F-F
SCALE 2/1

FIRST USED ON OPTION/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØ		PARTS LIST		

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ANGLES ± 0°30'
.XXX ± .005
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —
FINISH —

DRN	[signature]	DATE 1-27-71
CHK'D	[signature]	DATE 2-16-71
ENG	[signature]	DATE 2-18-71
PROJ. ENG.	[signature]	DATE 2-18-71
PROD.	[signature]	DATE 2-23-71

NEXT HIGHER ASSY
D-UA-TUIØ-Ø-Ø

SCALE —
SHEET 5 OF 8

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE
TAPE TRANSPORT ASSY

SIZE	CODE	NUMBER	REV
D	AD	7006756-0-C	K

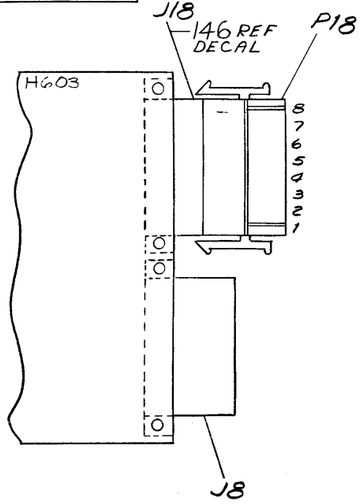
DIST

REVISIONS

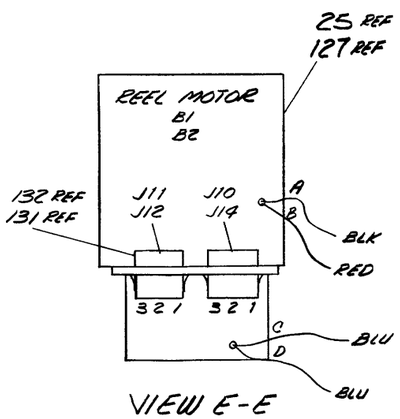
REV	CHANGE NO	CHK

SIZE D CODE AD NUMBER 7006756-0-C REV K

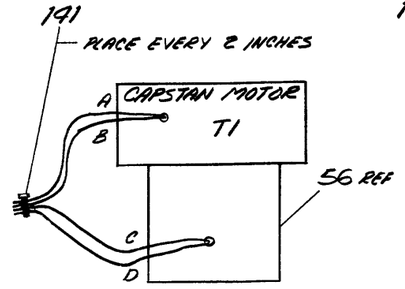
DEC FORM NO 1940 102 A



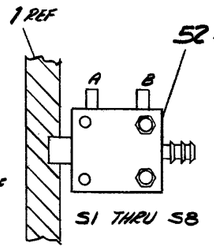
VIEW H-H
SIDE 2



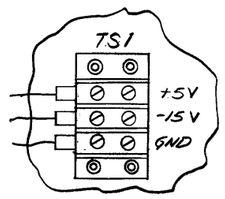
VIEW E-E



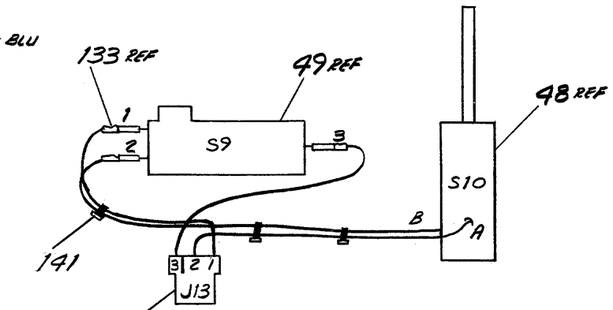
VIEW D-D



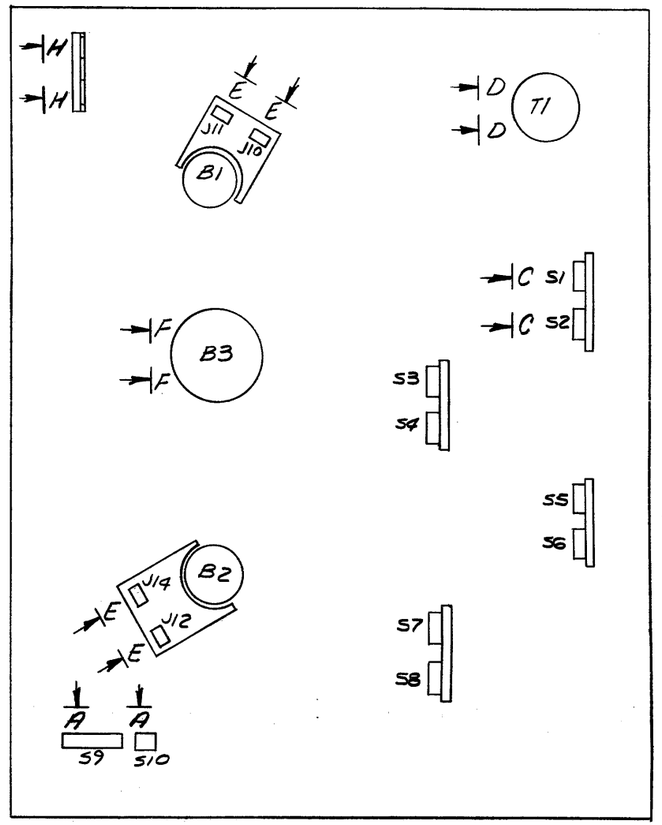
VIEW C-C



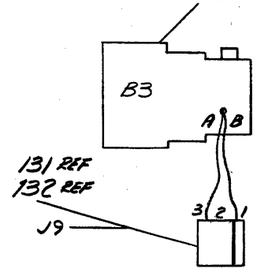
DETAIL "E"



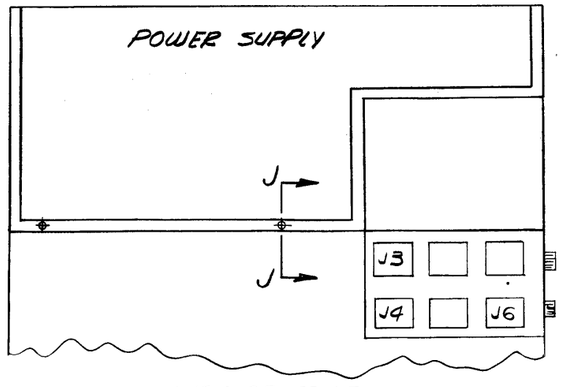
VIEW A-A



REAR VIEW OF DECK



VIEW F-F



VIEW OF FRONT
OF POWER SUPPLY

UNIT DESIGNATIONS. TO BE USED WITH WIRE TABLES SHEET #8.

FIRST USED ON OPTION/MOD	QTY	DESCRIPTION	PART NO.	ITEM NO.
TU10		PARTS LIST		

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES: DECIMALS ± .005, ANGLES ± 0°30'
FINAL SURFACE QUALITY / REMOVE BURNS AND BREAK SHARP CORNERS
MATERIAL —
FINISH —

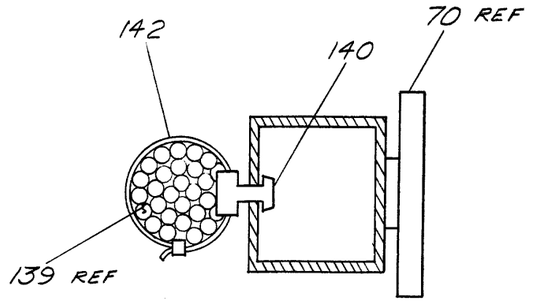
DRN	R. Richard	DATE 1-8-71
CHK'D	[illegible]	DATE 2-16-71
ENG	W. Bardone	DATE 2/18/71
PROJ ENG	W. Bardone	DATE 2/18/71
PROD	B. E. Goss	DATE 2-23-71
NEXT HIGHER ASSY	D-UA-TU10-0-0	
SCALE	NONE	
SHEET	5 OF 8	

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

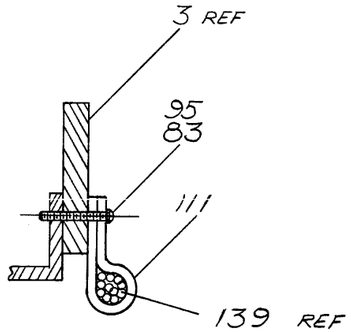
TAPE TRANSPORT ASSY

SIZE D | CODE AD | NUMBER 7006756-0-0 | REV K | DIST

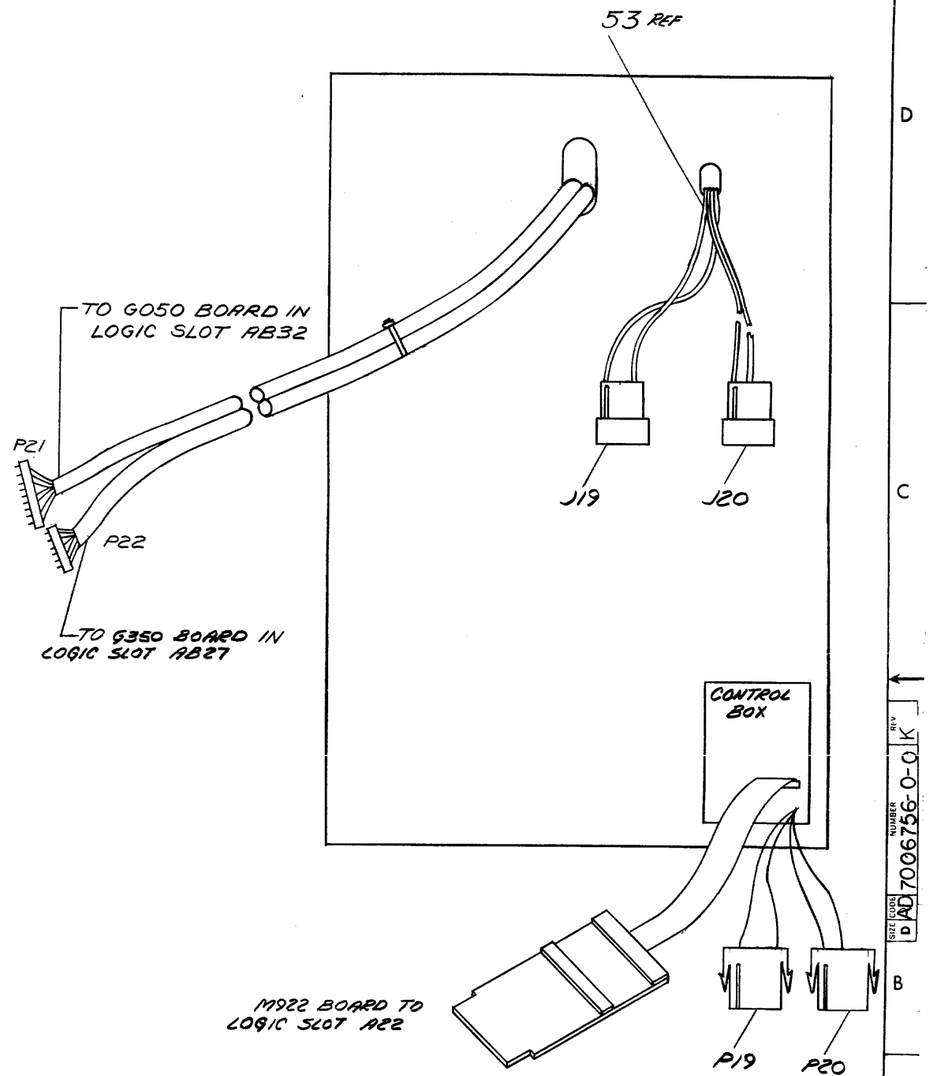
REVISIONS	CHANGE NO	CHK
REV		



SECTION H-H
SHOWING TIE WRAP NTG FOR HARNESS ON FRAME.



SECTION J-J



FIRST USED ON OPTION/MOD: TU10	QTY.	DESCRIPTION	PART NO. / ITEM NO.
UNLESS OTHERWISE SPECIFIED: DIMENSION IN INCHES; TOLERANCES: ANGLES ± 0°30'; FINAL SURFACE QUALITY; REMOVE BURRS AND BREAK SHARP CORNERS	PARTS LIST		
MATERIAL	DRN. R. Richard 1-12-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
FINISH	CHK'D. A. Ross 1-16-71	TITLE: TAPE TRANSPORT ASSY.	
	ENG. J. Bartone 2-18-71		
	PROJ. ENG. G. Blackwell 2-18-71		
	PROD. R. E. Goss 2-23-71		
	NEXT HIGHER ASSY: D-UA-TU10-0-0	SIZE D CODE AD NUMBER 7006756-0-0 REV K	
	SCALE NONE	DIST.	
	SHEET 7 OF 8		

REVISIONS: REV | CHANGE NO | CHK

DEC 10MM NO DPS 1078

SIZE D CODE AD NUMBER 7006756-0-0 REV K

HARNESS WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM HARNESS NUMBER	TO TU10 UNIT LOCATION	REMARKS
139	22 TWP	GRN	P8	J8	VIEW H-H
		BRN			
	22 TWP	GRN			
		BRN			
	18	RED			
	18	BLU			
	18	GRY/GRN			
	18 TWP	RED	P9	J9	VIEW F-F
		WHT			
	18	GRY/ORN	P6	J6	
	18	GRY/ORN			
	18	ORN			
	18	ORN			
	18	GRN			
	18	GRN			
	18	GRY/GRN			
	18	RED			
	18	BLU			
	22	BRN			
	22	YEL			
	22	RED			
	18	BLK			
	22	RED	P3	J3	
	18 TWP	WHT			
		RED			
	22 TWP	WHT			
		BLK			
	18	RED	P4	J4	
	22	RED			
	22	BLK			
	22	BLU			
	22	BLU			
	22	BLK			
	22				
	22	BLK	P17	LOGIC SLOT AØ5	
	22	BRN			
	22	RED			
	22	ORN			
	22	YEL			
	22	GRN			
	22	BLU			
	22	VIO			
	22	GRY			
	22	BRN			
	22	YEL			
	22	BRN			
	22 TWP	BRN			
		GRN			
	22	RED			
	22 TWP	BRN			
139		GRN			

HARNESS WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM HARNESS NUMBER	TO TU10 UNIT LOCATION	REMARKS
139	22	YEL	P17	LOGIC SLOT AØ5	
	22	RED			
	22	BLK			
	22	YEL			
	22	BRN			
	22	RED			
	22 TWP	WHT			
		BLK			
	18	ORN	P16	LOGIC SLOT ABØ2	
	14 TWP	BLK			
		RED			
	18	GRN			
	18	GRY/ORN			
	18	ORN	P15	LOGIC SLOT ABØ1	
	14 TWP	BLK			
		RED			
	18	GRN			
	18	GRY/ORN			
	18	BLK	53	TS1 - GND	DETAIL "E"
	18	RED	54	TS1 - (+5V)	
	22	BLU	55	TS1 - (-15V)	
	22	BLU	56	TS1 - (-15V)	
	22	RED	57	TS1 - (+5V)	
	22	BLK	58	TS1-GND	
	22	BLK			
	22	BLK			
	22	ORN	39	S5-B	VIEW C-C
	22	VIO	40	S6-A	
	22	VIO	41	S6-B	
	22	BRN	42	S7-A	
	22	GRN	43	S7-B	
	22	VIO	44	S8-B	
	22	BRN	45	S8-A	
	14 TWP	BLK	P12	J12	VIEW E-E
		RED			
	22	YEL	P13	J13	VIEW A-A
	22	RED			
	22	BLK			
	22	YEL	P14	J14	VIEW E-E
	22	BRN			
	22	BRN	26	S2-A	VIEW C-C
	22	BRN			
	22	RED	27	S2-B	
	22	BLK	28	S1-A	
	22	BLK			
	22	BLU	29	S1-B	
	22	BLU			
	14 TWP	BLK	P10	J10	VIEW E-E
		RED			
	22	BRN	P11	J11	
	22	GRY			
	22	YEL	34	S4-B	VIEW C-C
	22	BRN	35	S4-A	
139	22	BRN			

HARNESS WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM HARNESS NUMBER	TO TU10 UNIT LOCATION	REMARKS
139	22	BLK	36	S3-A	VIEW C-C
	22	BLK			
139	22	BLU	37	S3-B	J19, J20 PART OF ITEM #53
4	22	ORN	P19	J19	
	22	RED			
4	22	BRN	P20	J20	
	22	YEL			
139	22	BRN	38	S5-A	VIEW C-C
	22	BRN			

NOTES:

1. REFER TO SHEET #6 & 7 FOR DESIGNATIONS & VIEWS SHOWN IN TABLES.

WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM CONNECTION	FROM WITH	TO CONNECTION	TO WITH	REMARKS
48	18	BLK	S10-A	—	J13-2	131 & 132	VIEW A-A
	18	BLK	S10-B	—	S9-2	133	
136	22	YEL	S9-1	133	J13-1	132	
135	22	BLK	S9-3	133	J13-3	132	
56	22	BLK	T1-A	—	P18-1	134 & 137	VIEW D-D & VIEW H-H P18 MATES WITH J18
	22	RED	T1-B	—	P18-2	139	
	22	BLK	T1-C	—	P18-8	139	
	22	RED	T1-D	—	P18-7	139	
127	22	BLU	B1-C	—	J11-2	131 & 132	VIEW E-E
	22	BLU	B1-D	—	J11-1	132	
25	16	BLK	B1-A	—	J10-3	132	
	16	RED	B1-B	—	J10-1	132	
127	22	BLU	B2-C	—	J14-1	131 & 132	
	22	BLU	B2-D	—	J14-2	132	
25	16	BLK	B2-A	—	J12-3	132	
	16	RED	B2-B	—	J12-1	132	
50	—	BLK	B3-A	—	J9-1	131 & 132	VIEW F-F
	—	BLK	B3-B	—	J9-3	132	
3	14	BLK	P/S XMFR MTG	—	CHASSIS GND	—	

FIRST USED ON OPTION/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TU10		PARTS LIST		

UNLESS OTHERWISE SPECIFIED

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

FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —
FINISH —

		DATE
DRN	[signature]	1-8-71
CHK'D	[signature]	2-16-71
ENG	J. Bardone	2-19-71
PROJ. ENG.	J. Bardone	2-19-71
PROD	B. E. Cross	2-23-71

NEXT HIGHER ASSY: D-UA-TU10-0-0

SCALE —

SHEET 8 OF 8

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TAPE TRANSPORT ASSY

SIZE	CODE	NUMBER	REV.
D	AD	7006756-0-0	K

DIST.

DEC FORM NO DRD 102A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY RAY ROBICHAUD | CHECKED KEN RUSS | SECTION
DATE 1-12-71 | DATE | 1

ENG D. Bardone | PROD B.E. Cross | ISSUED SECT.
DATE 2/22/71 | DATE 2-23-71 | 1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
1	E-IA-7407991-0-0	DECK PLATE	1	1	1	1	1	1	1	1
2	D-AD-7006758-1-0	HEAD PLATE ASSY 9 TRACK	1	1	1	1	-	-	-	-
2	D-AD-7006758-2-0	HEAD PLATE ASSY 7 TRACK	-	-	-	-	1	1	1	1
3	D-UA-H730-A-0	POWER SUPPLY 115V 60 HZ	1	-	-	-	1	-	-	-
3	D-UA-H730-B-0	POWER SUPPLY 230V 60 HZ	-	1	-	-	-	1	-	-
3	D-UA-H730-C-0	POWER SUPPLY 115V 50 HZ	-	-	1	-	-	-	1	-
3	D-UA-H730-D-0	POWER SUPPLY 230V 50 HZ	-	-	-	1	-	-	-	1
4	D-AD-7006757-0-0	CONTROL BOX ASSY	1	1	1	1	1	1	1	1
5	D-AD-7006743-0-0	UNIT DOOR ASSY	1	1	1	1	1	1	1	1
6	C-AD-7006754-0-0	LOGIC ASSY	1	1	1	1	1	1	1	1
7	B-MD-7407954-0-0	BRKT, SENSOR	4	4	4	4	4	4	4	4
8	D-IA-7407989-0-0	FRAME DECK	1	1	1	1	1	1	1	1
9	C-MD-7407957-0-0	CAPSTAN	1	1	1	1	1	1	1	1
10	D-MD-7407958-0-0	CLAMP, CAPSTAN	1	1	1	1	1	1	1	1
11	C-MD-7407990-0-0	COVER, VACUUM CHANNEL	1	1	1	1	1	1	1	1
12	B-MD-7407996-0-0	PLUG, AIR	2	2	2	2	2	2	2	2
13	1210145	ROLLER GUIDE ASSY	2	2	2	2	2	2	2	2
14	~~B-MD-7407956-0-0~~	~~RAMP, ROLLER~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~
15	C-PS-1210365-0-0	RAMP COVER ROLLER, CSTG.	1	1	1	1	1	1	1	1
16	B-MD-7408481-0-0	CONN, MTG BRACKET	2	2	2	2	2	2	2	2
17	B-MD-7407960-0-0	CLAMP, ROLLER SHAFT	2	2	2	2	2	2	2	2
18	B-MD-7407969-0-0	COVER, BUFFER COLUMN	1	1	1	1	1	1	1	1

TITLE: TRANSPORT, TAPE ASSY
ASSY NO. D-AD-7006756-0-0 | SHEET 1 OF 8
SIZE A | CODE PL | NUMBER 7006756-0-0 | REV. K | ECO NO. TU0-00076
DIST.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY RAY ROBICHAUD | CHECKED KEN RUSS | SECTION
DATE 1-12-71 | DATE | 1

ENG D. Bardone | PROD B.E. Cross | ISSUED SECT.
DATE 2/22/71 | DATE 2-23-71 | 1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
19	B-MD-7408002-0-0	HINGE, COVER TOP	1	1	1	1	1	1	1	1
20	B-IA-7407993-0-0	HINGE, COVER BOTTOM	1	1	1	1	1	1	1	1
21	B-IA-7407966-0-0	BRACE, COVER	1	1	1	1	1	1	1	1
22	D-SC-1209918-0-0	GLASS, BUFFER COLUMN	1	1	1	1	1	1	1	1
23	D-SC-1209919-0-0	GLASS, BUFFER COLUMN	1	1	1	1	1	1	1	1
24	B-IA-7407939-0-0	HOLD DOWN, COVER	2	2	2	2	2	2	2	2
25	1209677	MOTOR, REEL	2	2	2	2	2	2	2	2
26	C-MD-7407980-0-0	SUPPORT, REEL	2	2	2	2	2	2	2	2
27	B-MD-7407983-0-0	GUIDE, REEL	2	2	2	2	2	2	2	2
28	B-MD-7407982-0-0	PLATE, PRESSURE	2	2	2	2	2	2	2	2
29	1210030-0-0	WASHER, THRUST	2	2	2	2	2	2	2	2
30	C-MD-7407979-0-0	KNOB	2	2	2	2	2	2	2	2
31	A-MD-7407984-0-0	KEY	2	2	2	2	2	2	2	2
32	1210021-0-0	RING, COMPRESSION	2	2	2	2	2	2	2	2
33	C-SC-1209212-0-0	DISK, DECORATIVE	2	2	2	2	2	2	2	2
34	B-MD-7407965-0-0	SHAFT, HINGE PIVOT	2	2	2	2	2	2	2	2
35	A-MD-7407995-0-0	STANDOFF	2	2	2	2	2	2	2	2
36	A-MD-7407994-0-0	PLATE, STANDOFF	2	2	2	2	2	2	2	2
37	C-MD-7407986-0-0	COVER, HEAD	1	1	1	1	1	1	1	1
38	A-MD-7407973-0-0	CATCH, DOOR	1	1	1	1	1	1	1	1
39	B-MD-7407963-0-0	BRACKET, SOLENOID	1	1	1	1	1	1	1	1
40	C-MD-7407967-0-0	BRACKET, ADJUSTING	1	1	1	1	1	1	1	1

TITLE: TRANSPORT, TAPE ASSY
ASSY NO. D-AD-7006756-0-0 | SHEET 2 OF 8
SIZE A | CODE PL | NUMBER 7006756-0-0 | REV. K | ECO NO.
DIST.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY R.A. ROBICHAUD	CHECKED KEN RUSS	SECTION
DATE 1-13-71	DATE	1
ENG D. Barbee	PROD B.E. Gross	ISSUED SECT.
DATE 2/23/71	DATE 2-23-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
63	9006527	ROLL PIN 3/32 DIA X 11/16 LG	2	2	2	2	2	2	2	2
64	9008901	DOWEL PIN 1/8 DIA X 5/8 LG	1	1	1	1	1	1	1	1
65	9008900	DOWEL PIN 1/8 DIA X 3/4 LG	1	1	1	1	1	1	1	1
66	9008328	PAWL FASTENER #44-1-17-0 SOUTHCO	2	2	2	2	2	2	2	2
67	C-MD-7407951-0-0	CLIP DOOR STOP	1	1	1	1	1	1	1	1
68	9007834	STOCK MOUNT TAPE 3M #4032	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
~~69~~	~~9008111~~	~~BUSHING HEYCO~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~
70	1209152	CHASSIS TRACKS	1	1	1	1	1	1	1	1
71	9007616	O RING 9/32 O.D. X 5/32I.D.X 1/16 THK	2	2	2	2	2	2	2	2
72	9008896	WELL-NUT #G-1032	8	8	8	8	8	8	8	8
73	9008897	WELL-NUT #D-1420	10	10	10	10	10	10	10	10
74	9008105	SCR CAPTIVE #10 SOUTHCO(58-26-309-24)	2	2	2	2	2	2	2	2
75	9007031	PLUG BUTTON DOT	2	2	2	2	2	2	2	2
76	9006000-2	SCR PHL HD FLAT #2-56 X 3/16 LG	1	1	1	1	1	1	1	1
77	9008024-1	SCR PHL HD PAN #2-56 X 9/16 LG	16	16	16	16	16	16	16	16
78	9008031	STOP NUT #2-56 ESNA	16	16	16	16	16	16	16	16
79	9008301-1	SCR PHL HD PAN #4-40 X ¼ LG	8	8	8	8	8	8	8	8
80	9006013-1	SCR PHL HD PAN #4-40 X ½ LG	1	1	1	1	1	1	1	1
81	9006019-2	SCR PHL HD FLAT #4-40 X 1¼ LG	1	1	1	1	1	1	1	1
82	9006551	NUT KEPS #4-40	1	1	1	1	1	1	1	1
83	9006021-1	SCR PHL HD PAN #6-32 X 3/8 LG	11	11	11	11	11	11	11	11
84	9006020-2	SCR PHL HD FLAT #6-32 X ¼ LG	9	9	9	9	9	9	9	9

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 4 OF 8	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY RAY ROBICHAUD	CHECKED K. Russ	SECTION
DATE 1-13-71	DATE	1
ENG D. Barbee	PROD B. Ecos	ISSUED SECT.
DATE 2/23/71	DATE 2-23-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
41	B-MD-7407962-0-0	SHAFT, SOLENOID	1	1	1	1	1	1	1	1
42	B-PS-1210372-0-0	ANGLE, SOLENOID SHAFT	1	1	1	1	1	1	1	1
43	E-MD-7407988-0-0	CHAMBER, PLENUM	1	1	1	1	1	1	1	1
44	C-MD-7407987-0-0	CLEAT, MOTOR	1	1	1	1	1	1	1	1
45	C-MD-7407992-0-0	BRACKET, LOGIC	1	1	1	1	1	1	1	1
46	E-UA-R0003-0-0	CAPSTAN, SERVO POWER AMPLIFIER	1	1	1	1	1	1	1	1
47	C-MD-7407997-0-0	BRACKETT, SHIPPING	2	2	2	2	2	2	2	2
48	1209868	SOLENOID DELTROL CONTROLS #D-15	1	1	1	1	1	1	1	1
49	1209870	SWITCH MCGILL #2603-1150	1	1	1	1	1	1	1	1
50	1205944-1	VACUUM PUMP W/RING "LAMB"	1	1	1	1	1	1	1	1
51	1209750	BUMPER	4	4	4	4	4	4	4	4
52	1210477	LOW PRESSURE SENSOR	8	8	8	8	8	8	8	8
53	1210336	EOT-BOT ASSY	1	1	1	1	1	1	1	1
54	9006683	WASHER SPLIT #4	8	8	8	8	8	8	8	8
55	9008137	RETAINING RING 5555-25S	2	2	2	2	2	2	2	2
56	1209756	CAPSTAN MOTOR	1	1	1	1	1	1	1	1
57	1210346	TAPE REEL, TAKE UP	1	1	1	1	1	1	1	1
58	9008898	SPRING #LC-032E-1	2	2	2	2	2	2	2	2
59	1209869	HOSE FITTING #11752-1	2	2	2	2	2	2	2	2
60	9006551	ROLL PIN 1/8 DIA X 3/8 LG	2	2	2	2	2	2	2	2
61	9006526	ROLL PIN 3/32 DIA X ½ LG	5	5	5	5	5	5	5	5
62	9008329	ROLL PIN 1/16 DIA X 1" LG	1	1	1	1	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 3 OF 8	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY R.A. ROBICHAUD	CHECKED KEN RUSS	SECTION
DATE 1-1- 1	DATE	1
ENG D.G	PROD B.E. Gross	ISSUED SECT.
DATE 2,	DATE 2-23-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
63	9006527	ROLL PIN 3/32 DIA X 11/16 LG	2	2	2	2	2	2	2	2
64	9008901	DOWEL PIN 1/8 DIA X 5/8 LG	1	1	1	1	1	1	1	1
65	9008900	DOWEL PIN 1/8 DIA X 3/4 LG	1	1	1	1	1	1	1	1
66	9008328	PAWL FASTENER #44-1-17-0 SOUTHCO	2	2	2	2	2	2	2	2
67	C-MD-74 07951-0-0	CLIP DOOR STOP	1	1	1	1	1	1	1	1
68	9007834	STOCK MOUNT TAPE 3M #4032	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
~~69~~	~~9008111~~	~~BUSHING HEYCO~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~
70	1209152	CHASSIS TRACKS	1	1	1	1	1	1	1	1
71	9007616	O RING 9/32 O.D. X 5/32I.D.X 1/16 THK	2	2	2	2	2	2	2	2
72	9008896	WELL-NUT #G-1032	8	8	8	8	8	8	8	8
73	9008897	WELL-NUT #D-1420	10	10	10	10	10	10	10	10
74	9008105	SCR CAPTIVE #10 SOUTHCO(58-26-309-24)	2	2	2	2	2	2	2	2
75	9007051	PLUG BUTTON DOT	2	2	2	2	2	2	2	2
76	9006000-3	SCR PHL HD FLAT #2-56 X 3/16 LG	1	1	1	1	1	1	1	1
77	9008021-1	SCR PHL HD PAN #2-56 X 9/16 LG	16	16	16	16	16	16	16	16
78	9008033	STOP NUT #2-56 ESNA	16	16	16	16	16	16	16	16
79	9008301-1	SCR PHL HD PAN #4-40 X ¼ LG	8	8	8	8	8	8	8	8
80	9006013-1	SCR PHL HD PAN #4-40 X ½ LG	1	1	1	1	1	1	1	1
81	9006018-2	SCR PHL HD FLAT #4-40 X 1¼ LG	1	1	1	1	1	1	1	1
82	9006557	NUT KEPS #4-40	1	1	1	1	1	1	1	1
83	9006022-1	SCR PHL HD PAN #6-32 X 3/8 LG	11	11	11	11	11	11	11	11
84	9006020-2	SCR PHL HD FLAT #6-32 X ¼ LG	9	9	9	9	9	9	9	9

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 4 OF 8	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY RAY ROBICHAUD	CHECKED K. Ross	SECTION
DATE 1-13-71	DATE	1
ENG D. Barbee	PROD B. Ecos	ISSUED SECT.
DATE 2/23/71	DATE 2-23-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
41	B-MD-7407962-0-0	SHAFT, SOLENOID	1	1	1	1	1	1	1	1
42	B-PS-1210372-0-0	ANGLE, SOLENOID SHAFT	1	1	1	1	1	1	1	1
43	E-MD-7407988-0-0	CHAMBER, PLENUM	1	1	1	1	1	1	1	1
44	C-MD-7407987-0-0	CLEAT, MOTOR	1	1	1	1	1	1	1	1
45	C-MD-7407992-0-0	BRACKET, LOGIC	1	1	1	1	1	1	1	1
46	E-UA-R0003-0-0	CAPSTAN, SERVO POWER AMPLIFIER	1	1	1	1	1	1	1	1
47	C-MD-7407997-0-0	BRACKETT, SHIPPING	2	2	2	2	2	2	2	2
48	1209868	SOLENOID DELTROL CONTROLS #D-15	1	1	1	1	1	1	1	1
49	1209870	SWITCH MCGILL #2603-1150	1	1	1	1	1	1	1	1
50	1205944-1	VACUUM PUMP W/RING "LAMB"	1	1	1	1	1	1	1	1
51	1209750	BUMPER	4	4	4	4	4	4	4	4
52	1210477	LOW PRESSURE SENSOR	8	8	8	8	8	8	8	8
53	1210336	EOT-BOT ASSY	1	1	1	1	1	1	1	1
54	9006683	WASHER SPLIT #4	8	8	8	8	8	8	8	8
55	9008137	RETAINING RING 5555-25S	2	2	2	2	2	2	2	2
56	1209756	CAPSTAN MOTOR	1	1	1	1	1	1	1	1
57	1210346	TAPE REEL, TAKE UP	1	1	1	1	1	1	1	1
58	9008898	SPRING #LC-032E-1	2	2	2	2	2	2	2	2
59	1209869	HOSE FITTING #11752-1	2	2	2	2	2	2	2	2
60	9006551	ROLL PIN 1/8 DIA X 3/8 LG	2	2	2	2	2	2	2	2
61	9006526	ROLL PIN 3/32 DIA X ½ LG	5	5	5	5	5	5	5	5
62	9008329	ROLL PIN 1/16 DIA X 1" LG	1	1	1	1	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 3 OF 8	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY RAY ROBICHAUD | CHECKED KEN RUSS | SECTION
DATE 1-13-71 | DATE | 1

ENG J. Bardone DATE 2/22/71 | PROD B. Egan DATE 2-23-71 | ISSUED SECT. 1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
85	9006020-1	SCR PHL. PAN HD 6-32 X ¼ LG	2	2	2	2	2	2	2	2
86	9006022-2	SCR PHL HD FLAT #6-32 X 3/8 LG	6	6	6	6	6	6	6	6
87	9009049	SCR SET #4-40 X 3/8 LG. NYLON TIP	1	1	1	1	1	1	1	1
88	9006021-3	SCR PHL HD TRUSS 6-32 X 5/16 LG	14	14	14	14	14	14	14	14
89	9003046-8	SCR SOC HD CAP 6-32 X ½ LG	2	2	2	2	2	2	2	2
90	9006026-3	SCR PHL HD TRUSS 6-32 X 3/4 LG	1	1	1	1	1	1	1	1
91	9006027-1	SCR PHL HD PAN 6-32 X 7/8 LG	1	1	1	1	1	1	1	1
92	9006028-3	SCR PHL HD TRUSS 6-32 X 1" LG	2	2	2	2	2	2	2	2
93	9008325-8	SCR SOC HD CAP 6-32 X 1-¼ LG	7	7	7	7	7	7	7	7
94	9008472-2	SCR PHL HD FLAT 6-32 X 1-3/8 LG	1	1	1	1	1	1	1	1
95	9007649	WASHER EXT TOOTH #6	26	26	26	26	26	26	26	26
96	9007301	WASHER #6 SPLIT	9	9	9	9	9	9	9	9
97	9006033	WASHER #6 FLAT	8	8	8	8	8	8	8	8
98	9006030	NUT KEPS 6-32	5	5	5	5	5	5	5	5
99	9006033	NUT STOP 6-32 ESNA	1	1	1	1	1	1	1	1
100	9009174	SCR,CUP POINT SET #10-32X1/4	4	4	4	4	4	4	4	4
101	9006025-1	SCR PHL HD PAN 8-32 X 1/4 LG	5	5	5	5	5	5	5	5
102	9006336-8	SCR SOC HD CAP #8-32 X 5/16 LG	6	6	6	6	6	6	6	6
103	9003338-8	SCR SOC HD CAP #8-32 X ½ LG	2	2	2	2	2	2	2	2
104	9006341-8	SCR SOC HD CAP 8-32 1¼ LG	2	2	2	2	2	2	2	2
105	9006030	WASHER SPLIT #8	10	10	10	10	10	10	10	10
106	9006072	WASHER EXT TOOTH #8	5	5	5	5	5	5	5	5

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 5 OF 8	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY RAY ROBICHAUD | CHECKED KEN RUSS | SECTION
DATE 1-13-71 | DATE | 1

ENG J. Bardone DATE 2/22/71 | PROD B. Egan DATE 2-23-71 | ISSUED SECT. 1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
107	9006071-1	SCR PHL PAN HD 10-32 X 3/8 LG	10	10	10	10	10	10	10	10
108	9006010-3	SCR PHL TRUSS HD 10-32 X 5/16 LG	2	2	2	2	2	2	2	2
109	9006074-3	SCR PHL HD TRUSS 10-32 X 5/8 LG	2	2	2	2	2	2	2	2
110	9006347-8	SCR SOC HD CAP 10-32 X 5/8 LG	8	8	8	8	8	8	8	8
111	9007032	CABLE CLAMP 5/16 I.D	1	1	1	1	1	1	1	1
112	9006075-2	SCR PHL HD FLAT #10-32 X 3/4 LG	1	1	1	1	1	1	1	1
113	9006565	KEPS NUT #10-32	2	2	2	2	2	2	2	2
114	9006077-3	SCR PHL HD TRUSS 10-32 X 1"LG	9	9	9	9	9	9	9	9
115	9006077-2	SCR PHL HD FLAT 10-32 X 1" LG	1	1	1	1	1	1	1	1
116	9007651	WASHER EXT TOOTH #10	13	13	13	13	13	13	13	13
117	9007906	WASHER SPLIT #10	16	16	16	16	16	16	16	16
118	9006664	WASHER FLAT #10 SST	4	4	4	4	4	4	4	4
119	9007774	SCR SHOULDER PIC #4331-0	3	3	3	3	3	3	3	3
120	9006714	WASHER NYLON ¼ I.D X ½ O.D. 1/16 THK	3	3	3	3	3	3	3	3
121	9006073-3	SCR PHL HD TRUSS 10-32 X 1/2 LG	3	3	3	3	3	3	3	3
122	9006241	SCR HEX HD CAP ¼-20 X ½ LG	8	8	8	8	8	8	8	8
123	9006052-3	SCR PHL TRUSS HD ¼-20 3/4 LG	10	10	10	10	10	10	10	10
124	B-MD-7409176-0-0	FOAM, CLEAT	1	1	1	1	1	1	1	1
125	9007792	WASHER FLAT .281 I.D X .625 O.D. X 1/16	8	8	8	8	8	8	8	8
126	9006724	WASHER EXT TOOTH ¼	8	8	8	8	8	8	8	8
127	1210027	BRAKE REEL MOTOR SIMPLATROL	2	2	2	2	2	2	2	2
128	1200026	FILTER ATOMUFFLER	2	2	2	2	2	2	2	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	

SHEET 6 OF 8 | DIST.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY RAY ROBICHAUD	CHECKED KEN RUSS	SECTION 1
DATE 1-22-71	DATE	
ENG J. Bardone	PROD B E Cross	ISSUED SECT. 1
DATE 2/22/71	DATE 2-23-71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
130	910771[illegible]	RUBBER TUBING #192	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
131	910771[illegible]	HOSE VINYL 3814-1	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
132	120936[illegible]-03	SOCKET HOUSING (MATE-N-LOCK)#1-480304-0	6	6	6	6	6	6	6	6
133	120937[illegible]-01	CONTACT FEM (MATE-N LOCK)	13	13	13	13	13	13	13	13
133	900791[illegible]	CONN SOLDERLESS ARKLESS #50902	3	3	3	3	3	3	3	3
134	120937[illegible]-01	CONTACT MALE (MATE-N-LOCK)	4	4	4	4	4	4	4	4
135	910735[illegible]-00	WIRE 22 AWG STRD TEF INS BLK	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
136	910735[illegible]-44	WIRE 22 AWG STRD TEF INS YEL	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
137	120934[illegible]-01	SOCKET HOUSING (MATE-N-LOCK)#1-480460-0	1	1	1	1	1	1	1	1
~~138~~	~~900703[illegible]~~	~~CABLE CLAMP 3/16 I.D.~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~
139	E-IA-700717[illegible]-0-0	TU10 MAIN POWER HARNESS	1	1	1	1	1	1	1	1
140	900703[illegible]	TIE WRAP CLAMP #PM2H25M	5	5	5	5	5	5	5	5
141	900703[illegible]	TIE WRAP #SST1-M PANDUIT	13	13	13	13	13	13	13	13
142	900703[illegible]	TIE WRAP #SST2-M PANDUIT	5	5	5	5	5	5	5	5
143	900703[illegible]	CABLE CLAMP 5/16 I.D.	1	1	1	1	1	1	1	1
144	9006075-3	SCR PHL TRUSS HD 10-32 X 7/8	1	1	1	1	1	1	1	1
145	1210478	RUBBER RING	1	1	1	1	1	1	1	1
146	A-DC-7409210-0-0	DECAL TU10	1	1	1	1	1	1	1	1
147	C-MD-7409603-0-0	COVER, PLENUM	1	1	1	1	1	1	1	1
148	B-MD-7409602-0-0	DEFLECTOR	1	1	1	1	1	1	1	1
149	9007024	GROMMET, RUBBER #91107	1	1	1	1	1	1	1	1
150	9008490	SCR, PAN HD PHL #6-32 x ¼ LG SELF TAPPING	2	2	2	2	2	2	2	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 7 OF 8	DIST.				

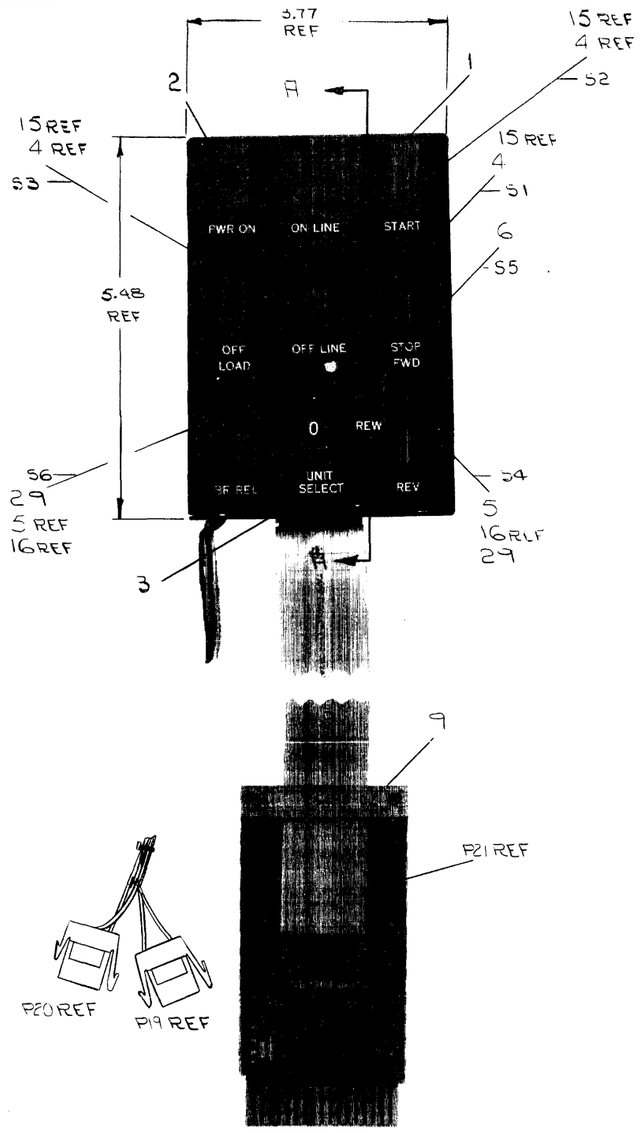
DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

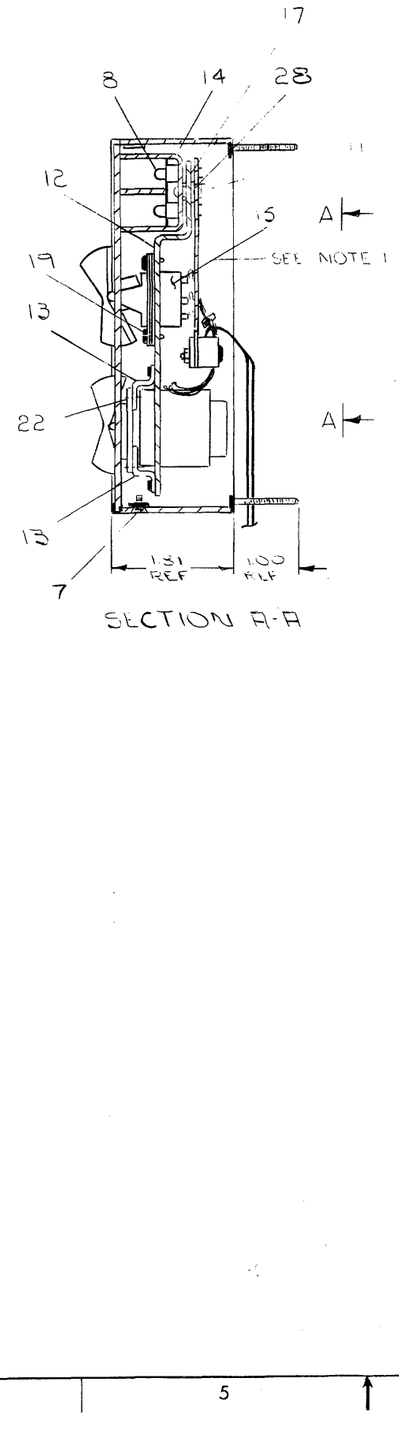
PARTS LIST

MADE BY RAY ROBICHAUD	CHECKED K. RUSS	SECTION 1
DATE 1/13/71	DATE	
ENG J. BARDONE	PROD B. CROSS	ISSUED SECT. 1
DATE 2/22/71	DATE 2/23/71	

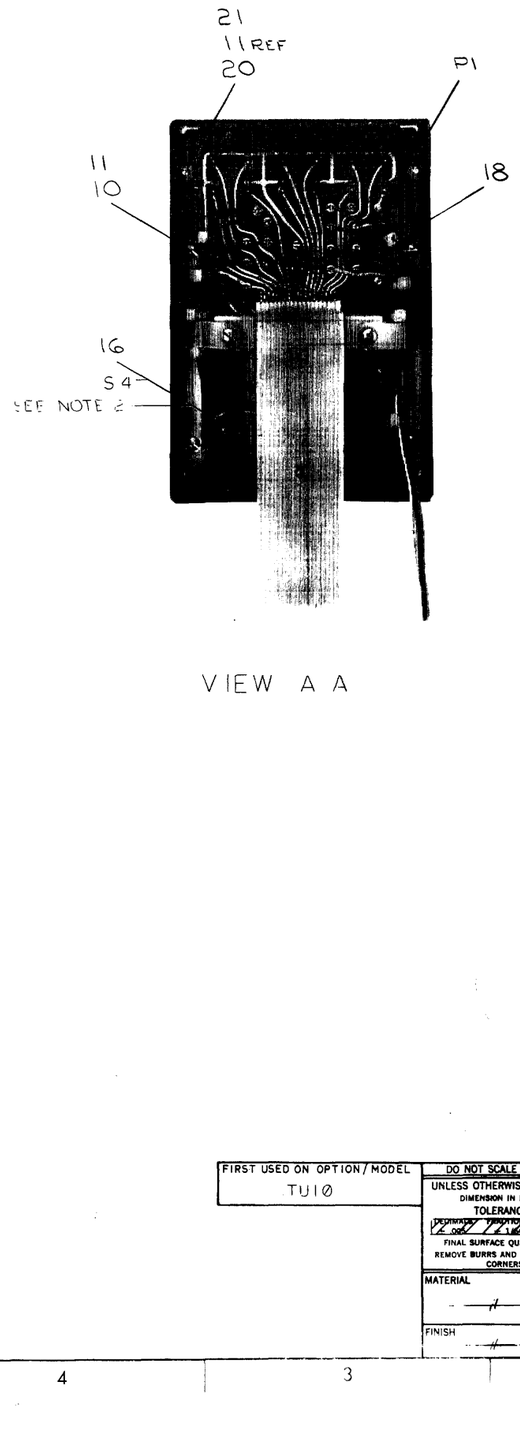
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION 7006756-1	7006756-2	7006756-3	7006756-4	7006756-5	7006756-6	7006756-7	7006756-8
151	9006009-8	SCR, CAP SOCKET HD. #4-40 x ¼ LG.	3	3	3	3	3	3	3	3
152	9008887	BRAID STRAP	1	1	1	1	1	1	1	1
153	9009377	ROLL PIN 3/32 X 5/16 LG.	1	1	1	1	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
TRANSPORT, TAPE ASSY.	D-AD-7006756-0-0	A	PL	7006756-0-0	K	
	SHEET 8 OF 8	DIST.				





SECTION A-A



VIEW A A

NOTES:
1. THE 6 CONTACTS OF THESE 3 SWITCHES SHOULD BE BENT AT 90° AWAY FROM EACH OTHER.
2. THESE 2 SWITCHES SHOULD BE MOUNTED SO THAT THE LONG EARS OF EACH SWITCH ARE FACING THE TOP OF THE CONTROL BOX.

REVISIONS			
CHK	CHANGE NO		REV
			A

FIRST USED ON OPTION/MODEL: TU10

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES
DECIMALS .X ±.06 .XX ±.03 ANGLES ± 0°30'
FINAL SURFACE QUALITY 125
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

FINISH —

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			

DRN. P. LeBlanc	DATE 17 DEC 71	
CHK'D. G. Leary	DATE 12 JAN 72	
ENG. J. Bardone	DATE 4/6/72	
PROJ. ENG. J. Bardone	DATE 2/9/72	
PROD.	DATE 4-7-72	
NEXT HIGHER ASSY D[illegible]756-0-0		
SCALE NONE		
SHEET 1 OF 2		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: CONTROL BOX ASSEMBLY

SIZE D | CODE AD | NUMBER 7006757-0-0 | REV. A

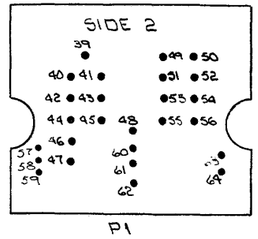
DIST.

DEC FORM NO 1100

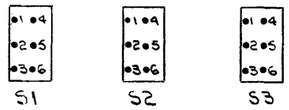
SIZE D | CODE AD | NUMBER 7006757-0-0 | REV A

WIRE TABLE

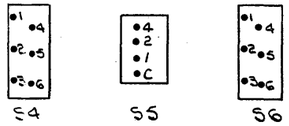
ITEM NO	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONNECTION	WITH	TO CONNECTION	WITH	SIGNAL NAME	REMARKS
27	22	BLU	P1-40	SOLDER	S4-4	SOLDER	M REV	
27	↑	BLU	P1-42	↓	S4-2	↓	M FWD	
27	↑	BLU	P1-44	↓	S4-6	↓	M REW	
27	↑	BLU	P1-46	↓	S4-5	↓	-15 V	
26	↑	BLK	P1-47	↓	S5-C	↓	LOGIC COMMON	
23	↑	VIO	P1-39	↓	S5-4	↓	UNIT SELECT 2	
23	↑	VIO	P1-41	↓	S5-2	↓	UNIT SELECT 1	
23	↑	VIO	P1-43	↓	S5-1	↓	UNIT SELECT 0	
27	↑	BLU	P1-45	↓	S6-3	↓	OFF	
27	↑	BLU	P1-49	↓	S6-5	↓	LOAD	
27	↑	BLU	P1-51	↓	S6-1	↓	BRAKE REL	
24,25	↑	BUS/BLU TEF	S4-1	↓	S4-5	↓	-15V	
24	↑	BUS	S4-5	↓	S4-3	↓	-15V	
24,25	↑	BUS/BLU TEF	S4-3	↓	S6-6	↓	-15V	
24,25	↑	BUS/BLU TEF	S6-6	↓	S6-2	↓	-15V	
24,25	↑	BUS	S6-2	↓	S6-4	↓	-15V	
27	↑	BLU	P1-57	↓	S1-1	↓	STOP	
27	↑	BLU	P1-58	↓	S1-2	↓	-15V	
27	↑	BLU	P1-59	↓	S1-3	↓	START	
27	↑	BLU	P1-60	↓	S2-1	↓	OFF LINE	
27	↑	BLU	P1-61	↓	S2-2	↓	-15V	
27	↑	BLU	P1-62	↓	S2-3	↓	ON LINE	
26	↑	BLK	P1-63	↓	S3-2	↓	LOGIC COMMON	
26	22	BLK	P1-64	SOLDER	S3-3	SOLDER	POWER ON L	



P1



S1 S2 S3



S4 S5 S6

REAR VIEW

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

FIRST USED ON OPTION/MODEL: TU10

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES
DECIMALS .005 ± 1/64 FRACTIONS ANGLES ± 0°30'
FINAL SURFACE QUALITY √
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

FINISH —

		DATE
DRN.	[illegible]	[illegible]
CHK'D	[illegible]	[illegible]
ENG.	M. Bardone	5/10/71
PROJ. ENG.	M. Bardone	5/10/71
PROD.	B. Cross	4-9-71

NEXT HIGHER ASSY: D AD 7006756-0-0

SCALE: NONE

SHEET 2 OF 2

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: CONTROL BOX ASSEMBLY

SIZE	CODE	NUMBER	REV.
D	AD	7006757-0-0	A

DIST.

REVISIONS	REV.	CHANGE NO.	CHK

DEC FORM NO. DRD 100

SIZE D AD NUMBER 7006757-0-0 REV A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	P.J. LEBLANC	CHECKED	J. FLEMING	SECTION	1
DATE	12-17-70	DATE	12-21-70		
ENG DATE	J. Bardoni 1/9/71	PROD DATE	B E Cross 4-9-71	ISSUED SECT.	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
1	D-IA-7407942-0-0	CONTROL BOX	1
2	C-IA-7407945-0-0	CONTROL PANEL	1
3	C-IA-7408000-0-0	PANEL, CLIP	1
4	1205317-13	BUTTON ROCKER SWITCH	3
5	1209711-1	BUTTON ROCKER SWITCH	2
6	1210078	SWITCH, DIGITRAN #8-D-97	1
7	9006009-2	SCR PHL HD FLAT #4-40 X ¼ SST	1
8	1209169	LAMP, OSLINE #2335 "0"	12
9	D-IA-7007057-0-0	CABLE CONTROL BOX	1
10	9006010-4	SCR SLOTTED BND HD #4-40 X 5/16 SST	4
11	9006632	LOCK WASH #4 INT TOOTH	20
12	B-MD-7407941-0-0	PANEL, SUB PLATE	1
13	A-MD-7407938-0-0	BRACKET, DIGISWITCH	2
14	D-MD-7407937-0-0	EGG CRATE	1
15	1205941	SWITCH, ROCKER #RS-50-FB-PC	3
16	1209614	SWTICH, ROCKER	2
17	9007835	"O" RING BUNA-N #006 1/8 I.D. X 1/4 O.D.	2
18	9007031	TIE WRAP #SST1-M PANDUIT	A/R
19	9008327	SCR SELF TAPPING #4-40 X ¼ SST	14
20	9006013-1	SCR PHL HD, PAN #4-40 1/2 SST	2
21	9006556	NUT HEX SST #4-40 X ¼ X 1/16	2
22	9008449	SCR PHL HD FLAT #2-56 X ¼ SST	4

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
CONTROL BOX ASSEMBLY	D-AD-7006757-0-0	A	PL	7006757-0-0	A	TU10 00068
	SHEET 1 OF 2	DIST.	6			

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	P.J. LEBLANC	CHECKED	J. FLEMING	SECTION	1
DATE	12-17-70	DATE	12-21-70		
ENG DATE	J. Bardoni 1/9/71	PROD DATE	B E Cross 4-9-71	ISSUED SECT.	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
23	9107350-77	WIRE #22 AWG STRD TEF INS VIO	A/R
24	9107560-01	WIRE, BUS #22 AWG	A/R
25	9107256-66	TUBING, TEFLON #22 AWG BLUE	A/R
26	9107350-00	WIRE #22 AWG STRD TEF INS BLK	A/R
27	9107350-66	WIRE #22 AWG STRD TEF INS BLUE	A/R
28	9008079	WASHER FIBER #6	2
29	9008842	PIN 1/16 X 5/16 LG	2

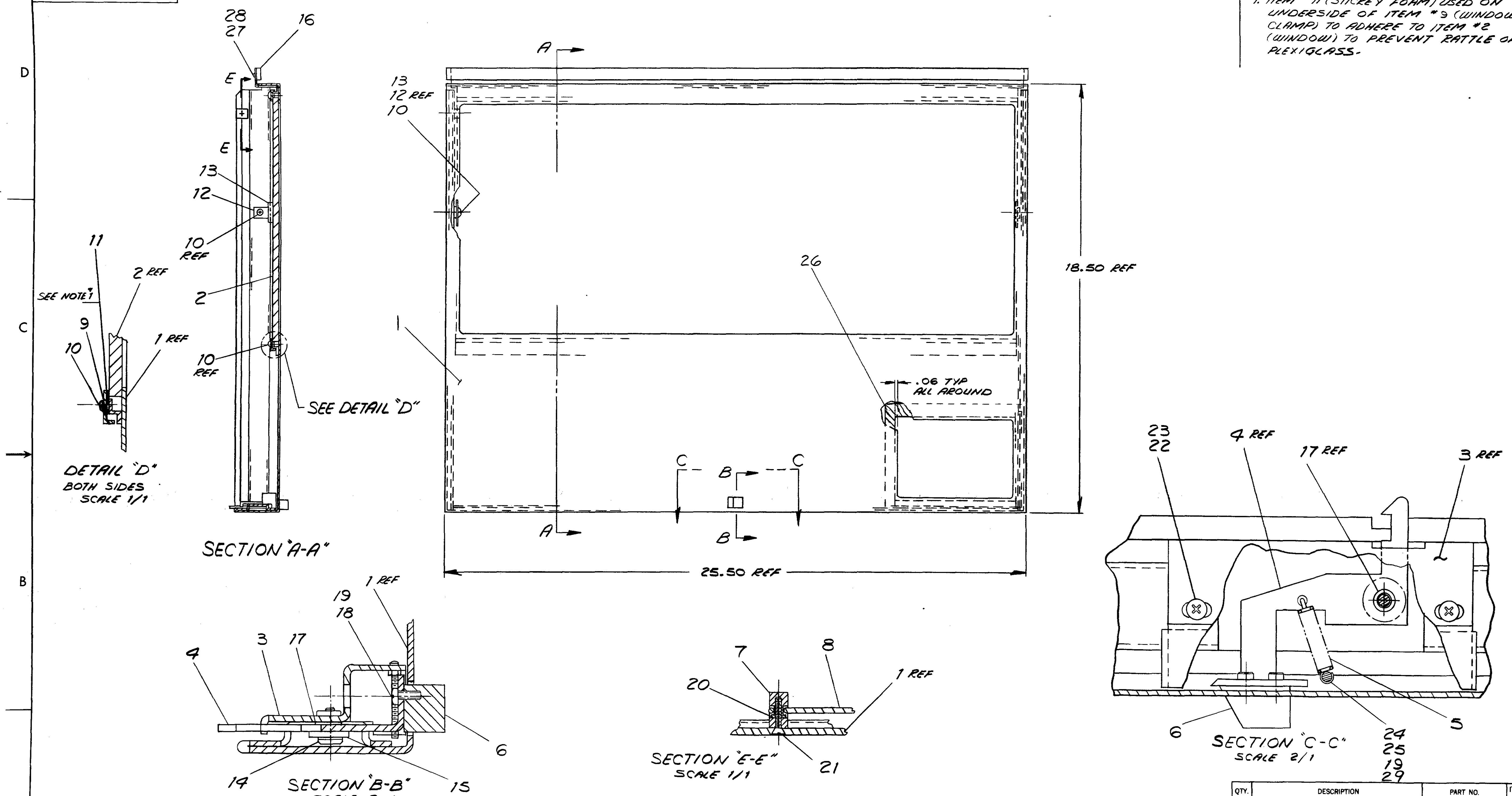
TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
CONTROL BOX ASSEMBLY	D-AD-7006757-0-0	A	PL	7006757-0-0	A	

| | SHEET 2 OF 2 | DIST. | 6 | | | |

D AD 7006743-0-0 A

NOTES

1. ITEM #11 (STICKEY FOAM) USED ON UNDERSIDE OF ITEM #9 (WINDOW CLAMP) TO ADHERE TO ITEM #2 (WINDOW) TO PREVENT RATTLE OF PLEXIGLASS.



QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

FIRST USED ON OPTION/MODEL	TU10
TOLERANCES DECIMALS	.XXX = ±.005 .XX = ±.02 .X = ±.1
DO NOT SCALE DRAWING	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL	—
FINISH	—
DRN.	Roli Chand — DATE 5-7-70
CHK'D.	R. Ayers — DATE 5-20-70
ENG.	J. Bardone — DATE 1/12/71
PROJ. ENG.	J. Bardone — DATE 1-19-71
PROD.	C.E. Cross — DATE 1-19-71
NEXT HIGHER ASSY	D-AD-7006756-0-0
SCALE	1/2
SHEET	1 OF 1

digital EQUIPMENT CORPORATION

TITLE: UNIT DOOR ASSY

SIZE	CODE	NUMBER	REV.
D	AD	7006743-0-0	A

DIST.

REVISIONS

CHK	CHANGE NO.	REV.
	TU10-0003	A
	E. Wilcox 7/13/71	
	RARDONI	
	J. Bardone 7/13/71	

DEC FORM NO. DRD 100

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY D.K. CRABBE	CHECKED K. Russ	SECTION 1
DATE 2/23/70	DATE 5/26/70	
ENG J Barbone	PROD B E Gross	ISSUED SECT. 1
DATE 1-29-71	DATE 1/29/71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
1	D-IA-7408003-0-0	DOOR, UNIT	1
2	B-MD-7407964-0-0	WINDOW, DOOR	1
3	B-IA-7407974-0-0	PLATE, LATCH	1
4	B-MD-7407972-0-0	LATCH, DOOR	1
5	9008895	SPRING #LE-020A-00 LEE	1
6	A-MD-7407970-0-0	BUTTON, DOOR	1
7	A-MD-7407940-0-0	BLOCK, DOOR STOP	1
8	A-MD-7407976-0-0	STOP, DOOR	1
9	A-MD-7407977-0-0	CLAMP, WINDOW	2
10	9008230	SCR PHL HD SELF TAPPING #6-32 X ¼ BLK (PASS)	12
11	9008273-0	TAPE FOAM ADHESIVE BACKED 1/8 X ¼	A/R
12	A-MD-7407975-0-0	CLAMP, SHORT	2
13	9008209	BUMPER RUBBER #X650 ATL INDIA	A/R
14	9008444	SCR BUTTON HD #8-32 X 3/8 LG. NYLOK	1
15	9008232	WASHER #2713-25063-T156	1
16	B-MD-7407971-0-0	SUPPORT, DOOR	1
17	9006708	WASHER FLAT .031 THK NYLON .375 X.187 I.D.	1
18	9006001-1	SCR PHL PAN HD #2-56 X ¼LG	2
19	9006631	WASHER INT. TOOTH #2	3
20	9008253	EYELET #GS6-6 STIMPSON	1
21	9006041-2	SCR PHL FLAT HD #8-32 X 3/4 LG	1
22	9006021-1	SCR PHL HD PAN #6-32 X 5/16 LG	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UNIT DOOR ASSY	D-AD-7006743-0-0	A	PL	7006743-0-0	A	TU10-00035
	SHEET 1 OF 2	DIST. G				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

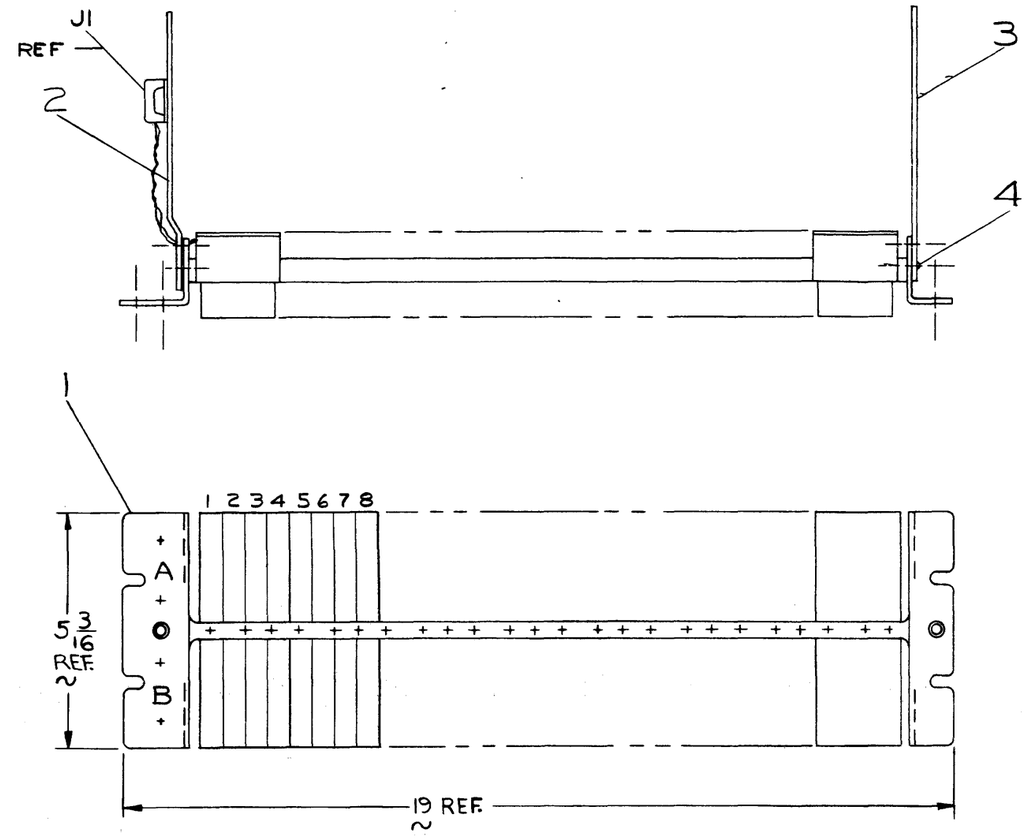
PARTS LIST

MADE BY D.K. CRABBE	CHECKED K. Russ	SECTION 1
DATE 3/23/70	DATE 5/26/70	
ENG J Barbone	PROD B E Gross	ISSUED SECT. 1
DATE 1-29-71	DATE 1/29/71	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
23	9007649	WASHER EXT TOOTH #6	2
24	9006006-1	SCR PHL HD PAN #2-56 X 3/4 LG	1
25	9006555	NUT HEX #2-56	1
26	B-MD-7408879-0-0	FOAM, DOOR	1
27	9008032-1	SCR PHL HD PAN #4-40 X 3/16 LG	8
28	9006655	WASHER FLAT #4 SST	8
29	9008053	NUT 2-56 ESNA	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UNIT DOOR ASSY	D-AD-7006743-0-0	A	PL	7006743-0-0	A	

SHEET 2 OF 2 — DIST. G



EXTERNAL COMPONENT TABLE

	ITEM NO.	DESCRIPTION	FROM CONNECTION	TO CONNECTION
**	13	ELAPSED TIME ASSY	A25 R2	A25 T1
	8	1 µF 25Ø VDC	AØ5 A2	AØ7 C2
	8	↕	AØ4 B2	AØ6 C2
	8		A16 B2	A18 C2
	8		A17 A2	A19 C2
	8		A24 B2	A26 C2
	8		A25 A2	A27 C2
	8		A32 B2	A3Ø C2
	8		A31 A2	A29 C2
	8		B24 B2	B22 C2
	8		B23 A2	B21 C2
	8		B14 B2	B12 C2
	8		B13 A2	B11 C2
	8	↕	BØ2 A2	BØ4 C2
	8	1 µF 25Ø VDC	B29 B2	B27 C2
	9	74Ø7751	A15 A2	A15 C1
	10	74Ø8234	A15 C1	A14 C2
*	11	47 Ω	A15 P2	A18 T2
*	11	47 Ω	A15 M2	A18 S2
*	12	.001 µf.	A15 P2	A15 T1
*	12	.001 µf.	A15 M2	A16 T1

WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM CONNECTION	TO CONNECTION
5	22	RED	J1- +5	AØ1-A2
6	22	BLU	J1- -15	AØ1-B2
7	22	BLK	J1- GND	AØ5-C2
5	22	RED	J1- +5	BØ1-A2
6	22	BLU	J1- -15	BØ1-B2
7	22	BLK	J1- GND	BØ1-C2

NOTES:
* ADD THESE COMPONENTS ON TUIØ MASTERS ONLY ACCORDING TO A-SP-TUIØ-Ø-2Ø
** ITEM 13 COMES WITH ADHESIVE BACKING AND SHOULD BE PLACED ON THE CRUCIFORM, BELOW THE LOGIC ASSY.

REVISION: CHK	CHANGE NO.	REV.
K. Gilbert	TUIO-00029	A
EARDONI 3-23-71		
J. Bardoni 3/24/71	TUIO-00050	B
M-Gaines 7-9-71		
J-HESS		
A. Ater 9-17-71	TUIO-00052	C
M-Gaines 10-18-71		
M. MORGANSTERN		
M. Morganstern		

TOLERANCE DECIMALS
XXX = ±.005
XX = ±.02
X = ±.1

FIRST USED ON OPTION/MODEL: TUIØ

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
. TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: SEE PARTS LIST
FINISH: --

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			

DRN. W.F. McCarthy	DATE 12/28/70	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D R Cook	DATE 12-30-70	
ENG. J. Bardoni	DATE 1-19-71	
PROJ. ENG. J. Bardoni	DATE 1-19-71	
PROD. B E Goss	DATE 1-19-71	
NEXT HIGHER ASSY D-AD-7006756-0-0		
SCALE NONE		
SHEET 1 OF 1		

TITLE: LOGIC ASS'Y (TUIØ)

SIZE	CODE	NUMBER	REV.
C	AD	7006754-0-0	C

DIST. G

REV. C | NUMBER 7006754-0-0 | SIZE CODE C AD

DEC FORM NO. DRC 105

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY W.F. McCARTHY	CHECKED R. COOK	SECTION
DATE 12-28-70	DATE 12-30-70	1
ENG J. Bardone	PROD BEGoss	ISSUED SECT.
DATE 1-19-71	DATE 1-19-71	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
1	D-AD-7006755-0-0	WIRED ASSY (TU10)	1
2	C-IA-5404490-0-0	LEFT END PANEL ASSY H911	1
3	C-MD-5302486-0-0	RIGHT END PANEL	1
4	9006509	POP RIVET AD43 BS USMC	8
5	9107350-22	WIRE #22 AWG STRD.TEF. INS. RED	A/R
6	9107350-66	WIRE #22 AWG STRD,TEF. INS. BLU	A/R
7	9107350-00	WIRE #22 AWG STRD.TEF. INS. BLK	A/R
8	74-08934	1 uf 250 VDC CAP, 30 AWG TERMINATOR	14
9	74-07751	1.5K, ¼W, 5%, 30 AWG TERMINATOR	1
10	74-08234	.01uf 30 AWG TERMINATOR	1
11	74-09262	47 OHM ¼W 5% 30 AWG TERMINATOR	2
12	74-08598	.001 µf 30 AWG TERMINATOR	2
13	12-10721	ELAPSED TIME INDICATOR ASSY.	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
LOGIC ASSY (TU10)	C-AD-7006754-0-0	A	PL	7006754-0-0	C	TU10-00052
	SHEET 1 OF 1	DIST.	G			

DEC FORM NO.16-1031
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 3/23/71

TITLE TU1Ø Acceptance Criteria, Seven and Nine Track Slave

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	CHANGE PER ECO	TU10-00052	M.MORGAN-STERN	10-18-71	M. Morgenstern	10/19/71
B	CHANGE PER ECO	TU10-00078	H. DRAB	11-16-73	H. Drab	11/21/73

Scope: To define the criteria necessary to accept for shipment the TU1Ø Tape Transports.

Test Software:

D9AA	MainDEC-08-D9AA-D
D9BA	MainDEC-08-D9BA-D
D9CA	MainDEC-08-D9CA-D
D9XA	MainDEC-08-D9XA-D

1 new reel magnetic Tape

Test Hardware:

Computer — DEC P.D.P.-8 w/TC58 and 3-cycle Data break facility.

Magnetic tape cleaning kit

Procedure:

Note: The following times are for 1 transport, for 2 transports times double, for 3 times triple, etc.

1. Complete the standard option checklist form for prints, cables etc. See note 5.
2. Run the following mainDECs for 10 minutes without error.
   Note #1 - gives TU1Ø 7 track timing
   Note #2 - gives TU1Ø 9 track timing
   a) Instruction test - D9XA
   b) Drive Function timer - D9BA
3. Run D9AA data reliability test, one pass per test sequence
   a) Test 4, Pattern 6, Density 800 B.P.I., Odd Parity
   b) Test 5, Pattern 7, Density 800 B.P.I., Odd Parity
   c) Repeat 3-B
   d) See Note 3

ENGINEERING SPECIFICATION — CONTINUATION SHEET

TITLE TU1Ø Acceptance Criteria, Seven and Nine Track Slave

4. Run D9CA random exercise for 2 hrs.

   a) See Note #3

   A unit is accepted for shipment to a customer when the above has been completed.

Shipping Software:

Manual	
Manual	TU1Ø Instruction Manual
Prints	A-ML-TU1Ø- See #
Programs	
D9AA	Maindec-08-D9AA-D
D9BA	Maindec-08-D9BA-D
D9CA	Maindec-08-D9CA-D
D9XA	Maindec-08-D9XA-D

One new reel magnetic tape. (Used for acceptance).

Shipping Hardware:

1. I/O cables 15 feet unless otherwise specified number of cables according to system configurations.
2. 1 cleaning kit.

Note #1: TU1Ø 7 track
PDP-8 delay tolerances in milliseconds.

Drive X

182.9	Write Load Point Delay	±10
.9	Write Shutdown	-.5, +1.5
12.5	Write Start	-.5, +1.5
12.0	Settle Down	±4
010.5	Write to erase head	±3
13.5	Write Nonstop gap	±1
05.20	BKSP Shutdown	±0.5
.9	Read Shutdown	±0.5

Drive X Gap Consistency

20.8	Gap 1	ACCUMULATIVE ↓
19.8	Gap 2	
19.8	Gap 3	
27.8	Gap 4	
35.0	Gap 5	

Drive X Gap Consistency

42.3	Gap 6	± 1
48.9	Gap 7	
56.3	Gap 8	

Gaps 8>7>6>5>4>1>

Gap 2 = GAP 3 +1.1
-0.2

Drive X

12.5	Write start	-.5, +1.5
096.4	Write X IRG	±5.0
087.	Read from BOT delays	±5.0
00.89	Last charctr. to MTF	± 0.2
105.8	Write EOF	±5.0
106.2	EOR to EOF sp time status=4101	±5.0
.9	Space shutdown	± 0.5

Drive X functions at 556 bpi

182.9	Write start	± 10
022.1	1" data time	± 1
.9	Write shutdown	-0.5, +1.5
05.20	BKSP shutdown	± 0.5
00.90	Last charctr. to MTF	± 0.2
.9	Read shutdown	± 0.5

Drive X functions at 200 bpi

12.5	Write load point delay	-.5, +1.5
022.1	1" Data time	± 1
.9	Write shutdown	- .5, +1.5
5.20	BKSP shutdown	± 0.5
1.05	Last charctr. to MTF	± 0.2
.9	Read shutdown	± 0.5

Drive X

2.33	Forward acceleration	< 3.5
75.	Forward deceleration	N.A. to TU10
1.33	Forward deceleration (calculated)	< 3.0
.83	BKW deceleration	N.A. to TU10
40.90	BKW deceleration (calculated)	N.A. to TU10

End of Timing

Note No.2: TU10, nine track
PDP8 delay tolerances in milliseconds

Drive X

180.0	Write load point delay	+ 10
0.9	Write shutdown	-5, +1.5
9.0	Write start	± 1.0
12.0	Settle down	± 4
10.0	Write to erase head	+ 5, -2.5
10.0	Write non-stop gap	-1.0, +2.0
0.9	BKSP shutdown	.8 to 1.0
0.9	Read shutdown	.8 to 1.0

Drive X gap consistency

14.0	Gap 1	Normal range 10.0 to 16.0
13.3	Gap 2	Less than gap 1
13.2	Gap 3	Approx. equal to gap 2
18.0	Gap 4	
21.9	Gap 5	
26.2	Gap 6	
30.0	Gap 7	
34.3	Gap 8	

Gaps 8>7>6>5>4>1 , Gap 1 - Gap 2 <1.7

Gap 2 = Gap 3 +1.1
-.2

Drive X

9.0	Write start	± 0.5
95.	Write X IRG	±5
.	Read from BOT delays	±5
.9	Last char. input to MTF	+ 0.2
100	Write EOF times	±5
100	EOR to EOF SP time status=4101	±5
.9	Space shutdown	± 0.5
2.8	Forward acceleration	3.5 max.
78.	Forward deceleration	N.A. TU10
2.0	Forward deceleration (calculated	3. max.
.85	BKW deceleration	N.A.
41.0	BKW deceleration (calculated)	N.A.

Note No. 3:

(a) Tape must be of known condition and unit must be clean.

(b) Permanent write error is a function of tape condition.

(c) Maximum temporary write error = +7 TOTAL

(d) Maximum temporary read error = 20% of line C.

(e) Permanent read error = 0, see (a) of Note No.3.

(f) No logic, data (without parity or error flag), or control errors are allowed.

Note No. 4: PDP11 Systems

Due to program differences, the shutdown times (write shutdown, space shutdown, read shutdown) printed out on PDP11 systems will be 0.9 msec longer than published here. The actual drive performance is the same.

Note No. 5: Unit Cleanliness

Before final acceptance test is run, clean both TU10 reel motor brakes. Follow the procedure for cleaning and adjusting the brakes outlined in the TU10 Maintenance Manual, DEC-TU10S-D.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY J. Ingledue DATE 5/31/72	CHECKED [illegible] DATE 6-6-72	SECTION
ENG DATE	PROD DATE	ISSUED SECT.

LEGEND

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

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY VARIATION: MASTER DRIVE	SLAVE DRIVE		TM11 (ALL SLAVES)	TC58 or 59 (FIRST SLAVE) TYPE OF CONTROL	TC58 or 59 (all except first slave)		KIT CHECK BY ____ DATE ____	INSTALLATION CHECK BY ____ DATE ____
1	TU10-0	Complete print set (see A-ML-TU10-0)	1	1							
2	DEC-00-TU10S-D	Dec Magtape Maintenance Manual (Slave)	1	1							
3	DEC-00-TU10M-D	Master Systems Manual (Master)	1	Ø							
4	1210346	Tape Reel, Take up	1	1							
5	1203499	Tape Reel, Magtape 2400'	1	1							
6	TUC-01	Head Cleaning Kit	1	1							
7	DEC TU10-IPB-1	ILLUSTRATED PARTS BREAKDOWN	1								
		THE FOLLOWING ITEMS MUST BE SUPPLIED BY THE SHIPPING PLANT TO THE END CUSTOMER.									
Note: For system mounted cabinets, use the following:											
	BC08A-10	I/O Cable (mylar) 10'				3	1	3			
	BC08C-10	I/O Cable (mylar) 10'				Ø	2	Ø			
Note: For free standing cabinets, use the following:											
	BC08N-10	I/O Cable (round coax) 10'				Ø	2	Ø			
	BC08P-10	I/O Cable (round coax) 10'				3	1	3			

TITLE	ASSY. NO.	SIZE	CODE	NUMBER	REV.	ECO NO
DEC MAGTAPE TRANSPORT	SHEET OF	A	AL	TU10-0-21	B	TU10-00074
		DIST.				

+5V, AA2
-15V, AB2
GND
AM2
AP2
AS2
AT2
AU2
BE2
BH2
BK2
BM2
BP2
BS2

C32 39uf 10V 10%
C33 6.8uf 35V 20%
C34 6.8uf 35V 20%
C28 .01uf 20%
C29 .01uf 20%
C30 .01uf 20%
C31 .01uf 20%
R100 820
R101 1.5K
R102 1.47K 1/8W 1% MF
R103 2K 1/8W 1% MF
R104 4.7K
R105
Q1
Q2
Q3 DEC2904
Q4
D19
D20
D21
D22

P/O CONN2 — R1 825 1/8W 1% MF — R10 825 1/8W 1% MF — R46 — R55 — R82 — R64 470K — C1 — R28 — C19 47uf 25V 20% — D1 — D2 — E1 — R73 470K — R91 — R37 — R19 4.7K — ALI

C35 6.8uf 35V 20%

P/O CONN2 — R2 825 1/8W 1% MF — R11 825 1/8W 1% MF — R47 — R56 — R83 — R65 470K — C3 — R25 — C20 47uf 25V 20% — D3 — D4 — E2 — R74 470K — R92 — R38 — R20 4.7K — ANI

P/O CONN2 — R3 825 1/8W 1% MF — R12 825 1/8W 1% MF — R48 — R57 — R84 — R66 470K — C5 — R30 — C21 47uf 25V 20% — D5 — D6 — E3 — R75 470K — R93 — R39 — R21 4.7K — ARI

+5V
-7V
-15V

P/O CONN2
GND
GND
GND
GND

P/O CONN2 — R4 825 1/8W 1% MF — R13 825 1/8W 1% MF — R49 — R58 — R85 — R67 470K — C7 — R31 — C22 47uf 25V 20% — D7 — D8 — E4 — R76 470K — R94 — R40 — R22 4.7K — BDI

C36 6.8uf 35V 20%

P/O CONN2 — R5 825 1/8W 1% MF — R14 825 1/8W 1% MF — R50 — R59 — R86 — R68 470K — C9 — R32 — C23 47uf 25V 20% — D9 — D10 — E5 — R77 470K — R95 — R41 — R23 4.7K — BFI

P/O CONN2 — R6 825 1/8W 1% MF — R15 825 1/8W 1% MF — R51 — R60 — R87 — R69 470K — C11 — R33 — C24 47uf 25V 20% — D11 — D12 — E6 — R78 470K — R96 — R42 — R24 4.7K — BJI

+5V
-7V
-15V

P/O CONN2 — R7 825 1/8W 1% MF — R16 825 1/8W 1% MF — R52 — R61 — R88 — R70 470K — C13 — R34 — C25 47uf 25V 20% — D13 — D14 — E7 — R79 470K — R97 — R43 — R25 4.7K — BLI

C37 6.8uf 35V 20%

P/O CONN2 — R8 825 1/8W 1% MF — R17 825 1/8W 1% MF — R53 — R62 — R89 — R71 470K — C15 — R35 — C26 47uf 25V 20% — D15 — D16 — E8 — R80 470K — R98 — R44 — R26 4.7K — BNI

P/O CONN2 — R9 825 1/8W 1% MF — R18 825 1/8W 1% MF — R54 — R63 — R90 — R72 470K — C17 — R36 — C27 47uf 25V 20% — D17 — D18 — E9 — R81 470K — R99 — R45 — R27 4.7K — BRI

+5V
-7V

UNLESS OTHERWISE INDICATED:
RESISTORS ARE 10K, 1/4W, 5%
CAPICATORS ARE 10pf, 100V, 5%
DIODES ARE D664
TRANSISTORS ARE DEC6534B
IC'S ARE DEC1520

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
DEC6534B	NONE		
DEC2904	2N1132		

REVISIONS: REV | CHG NO | CHK

DRN [illegible] DATE 12-10-69
CHK'D DATE
ENG. DATE
PROD DATE

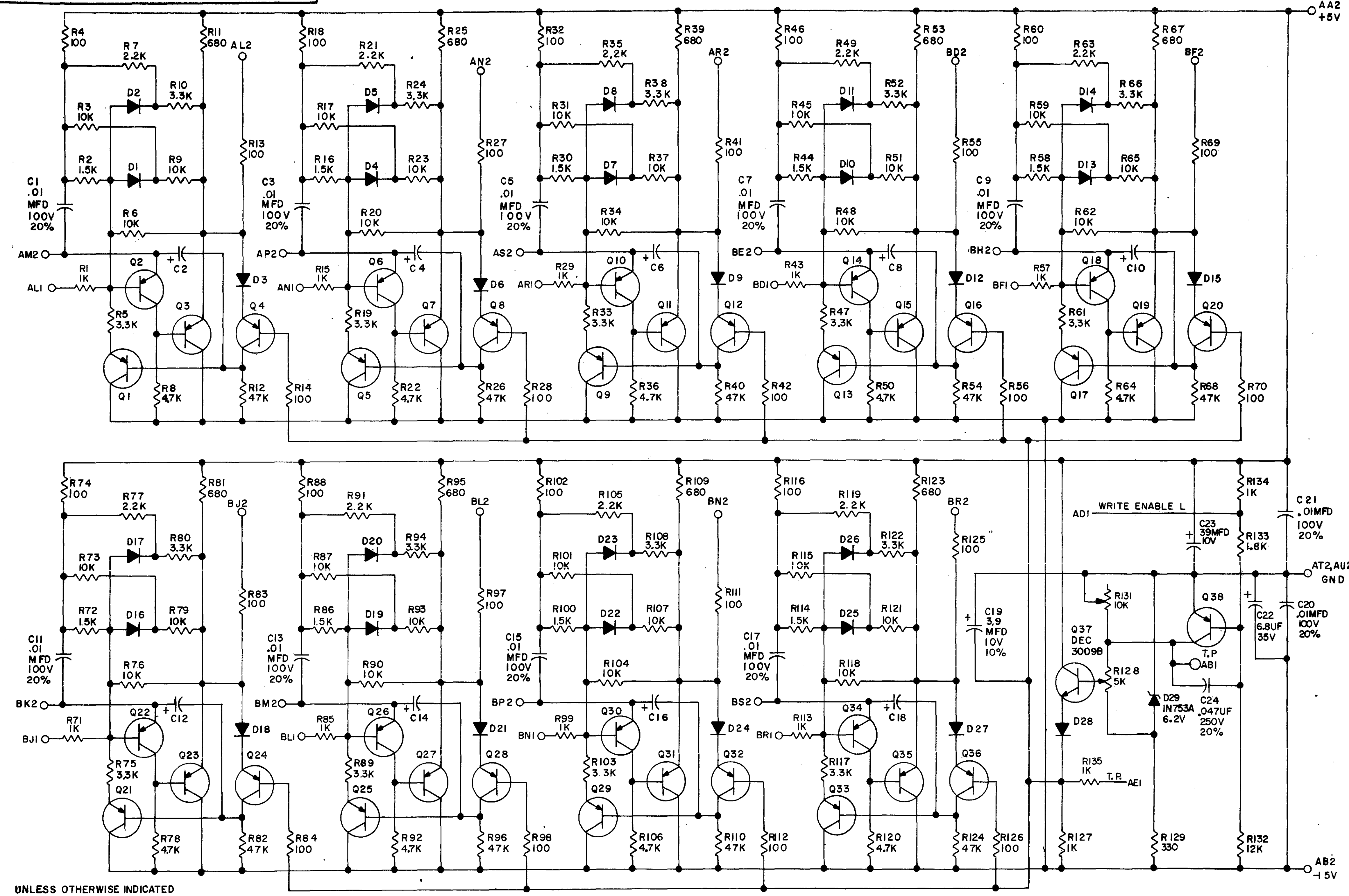
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE READ AMPLIFIER G050

SIZE D | CODE CS | NUMBER G050-0-1 | REV. C

PRINTED CIRCUIT REV. D

DEC FORM NO. DRD 118



UNLESS OTHERWISE INDICATED
CAPACITORS ARE .47MFD, 35V, 10%
DIODES ARE D664
RESISTORS ARE 1/4W 5%
TRANSISTORS ARE DEC 6534B

REV.	CHG NO.	CHK	REVISIONS

DRN.	*[signature]*	DATE 10-16-69
CHK'D	*[signature]*	DATE 2-17-71
ENG.	*[signature]* /RVD	DATE 3-11-71
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606	IN753A	SAME
D662	IN645		
IN745A	SAME		
DEC6534B	MPS6534		
DEC3009B	2N3009		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

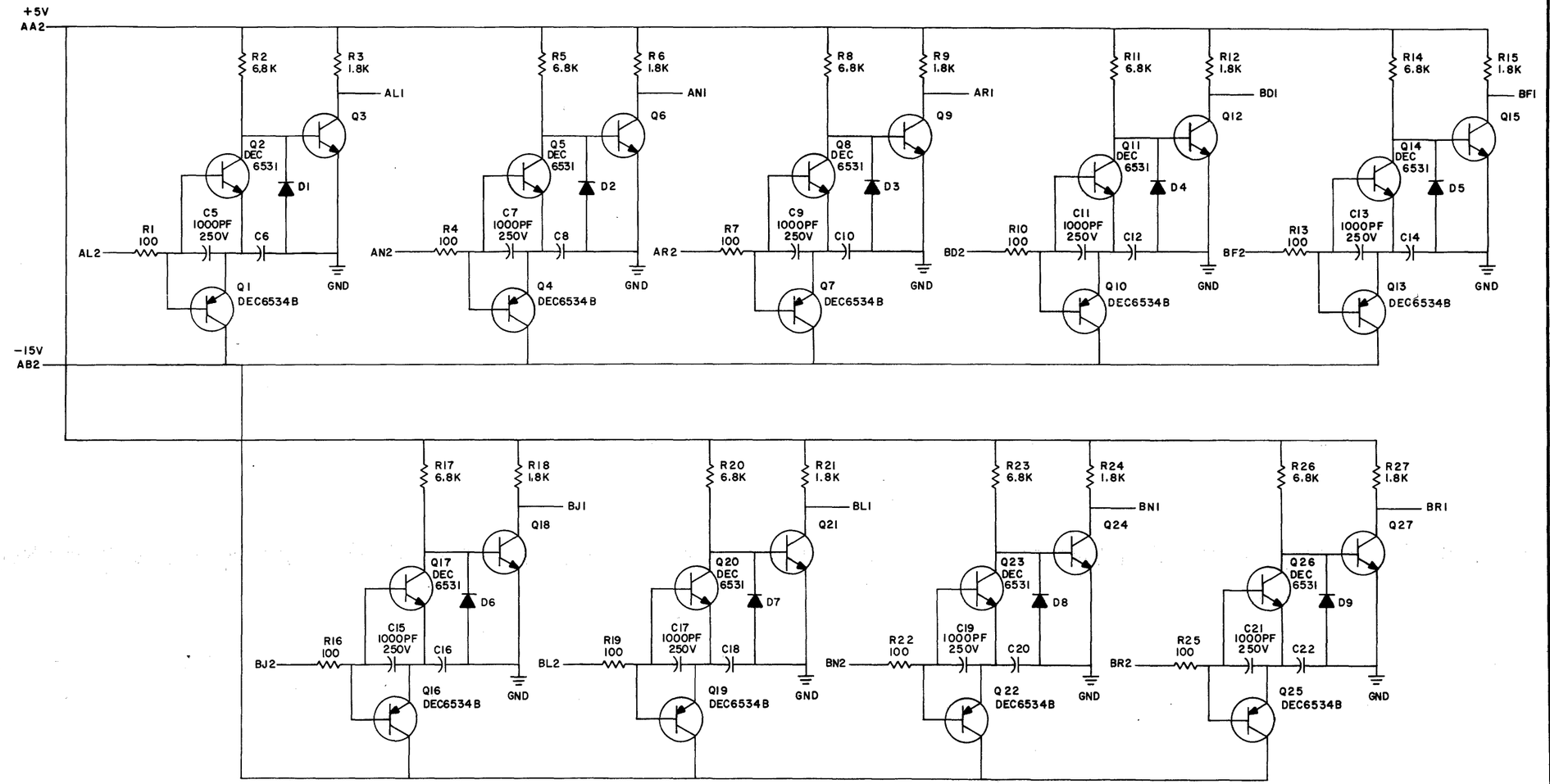
TITLE TUIO COMPRESSOR G060

SIZE	CODE	NUMBER	REV.
C	CS	G060-0-1	C

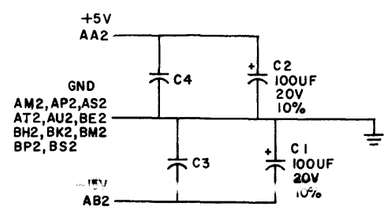
PRINTED CIRCUIT REV. D

DEC FORM NO. DRC 102

4 Dist. 324,434,4352



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01UF, 100V, 20%
TRANSISTORS ARE DEC3009B
DIODES ARE D664



REVISIONS	CHK	CHG NO.	REV
		00001	B
		00002	C

DRN. A. Cooper	DATE	11/6/70
CHK'D. M. Vitale	DATE	11/6/70
ENG. M. Maynard	DATE	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6534B	MPS6534	D664	IN3606
DEC6531	MPS6531		
DEC3009B	2N3009B		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: PEAK DETECTOR G062

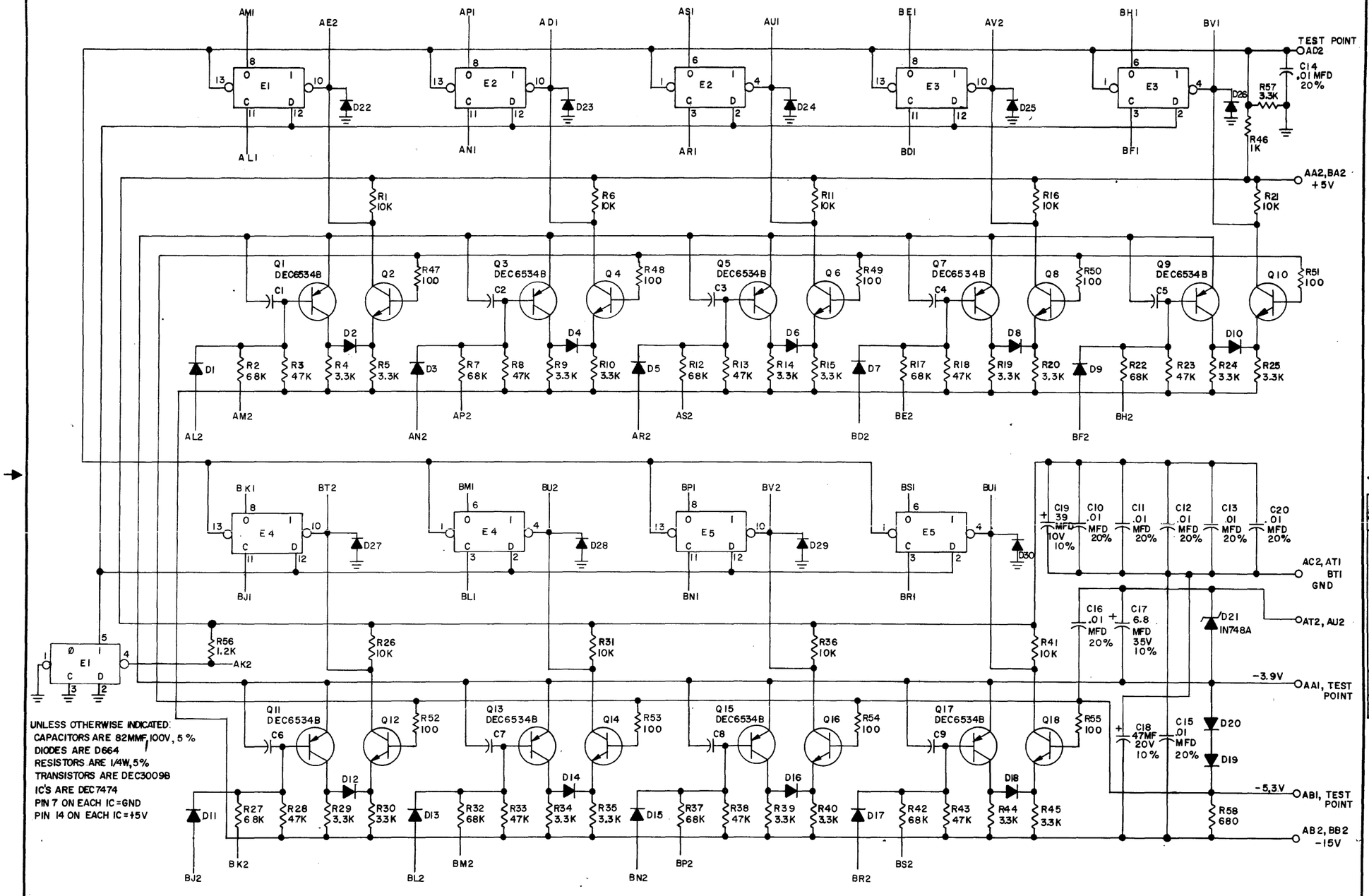
SIZE	CODE	NUMBER	REV.
C	CS	G062-0-1	C
PRINTED CIRCUIT REV.			D

SIZE C | CODE CS | NUMBER G062-0-1 | REV. C

DEC FORM NO. DRC 102

DIST 324, 434, 435 3

5 PINK



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 82MMF, 100V, 5%
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC3009B
IC'S ARE DEC7474
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REVISIONS	CHK	CHG NO.	REV.
		00001	B
		00002	C

DRN.		DATE 3SEP69
CHK'D		DATE 3SEP70
ENG.		DATE 8 14 70
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
DEC6534B	MPS6534		
DEC3009B	2N3009B		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: SLICER G064

SIZE	CODE	NUMBER	REV
C	CS	G064-0-1	C

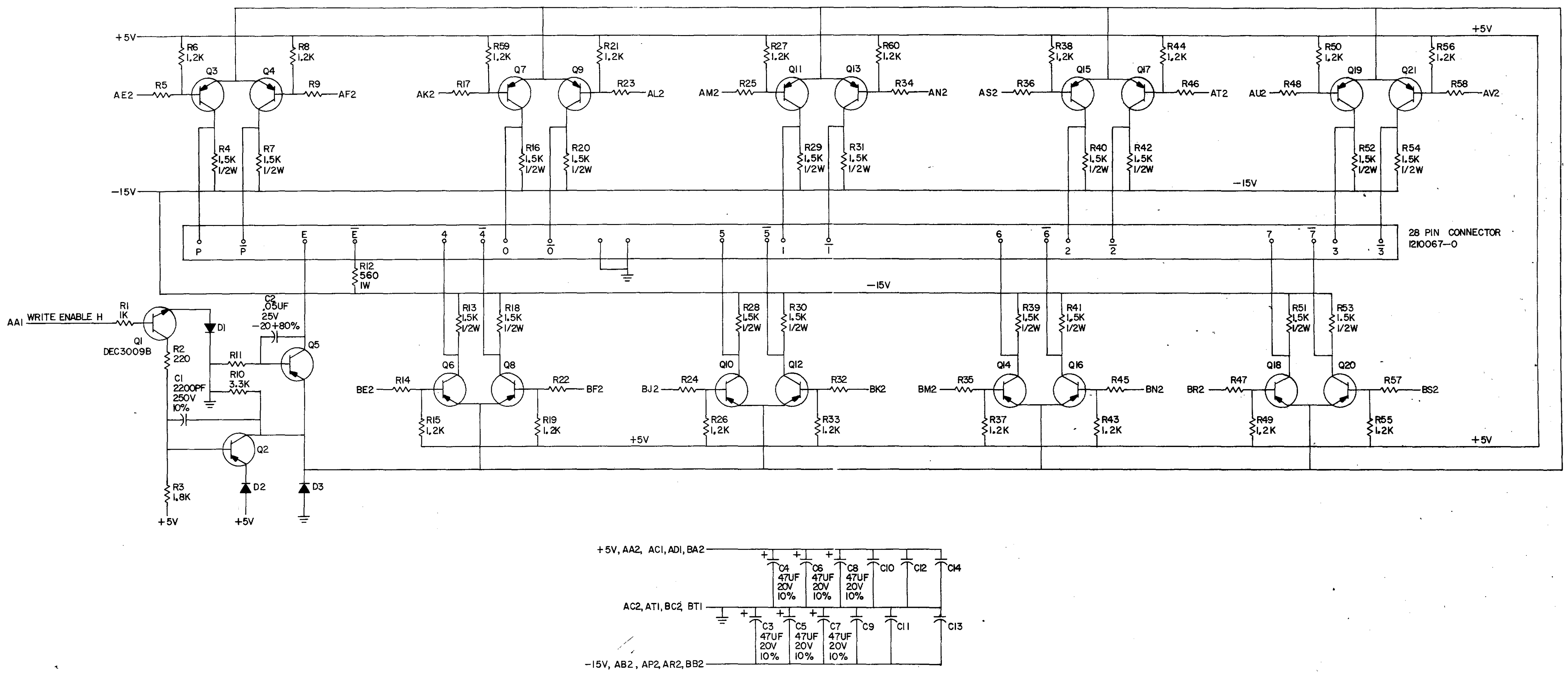
PRINTED CIRCUIT REV. D

REV. C | NUMBER G064-0-1 | SIZE C | CODE CS

DEC FORM NO. DRC 102

DIST. 324,434,435

4 PINK



UNLESS OTHERWISE INDICATED:

RESISTORS = 680, 1/4W, 5%
CAPACITORS = .01UF, 100V, 20%
TRANSISTORS = 2N2904A
DIODES = D672

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606	2N2904	SAME
DEC3009B	2N3009B		

DRN HARRY MOORE 1/12/70
CHK'D 12/12/70
ENG. 12/16/70

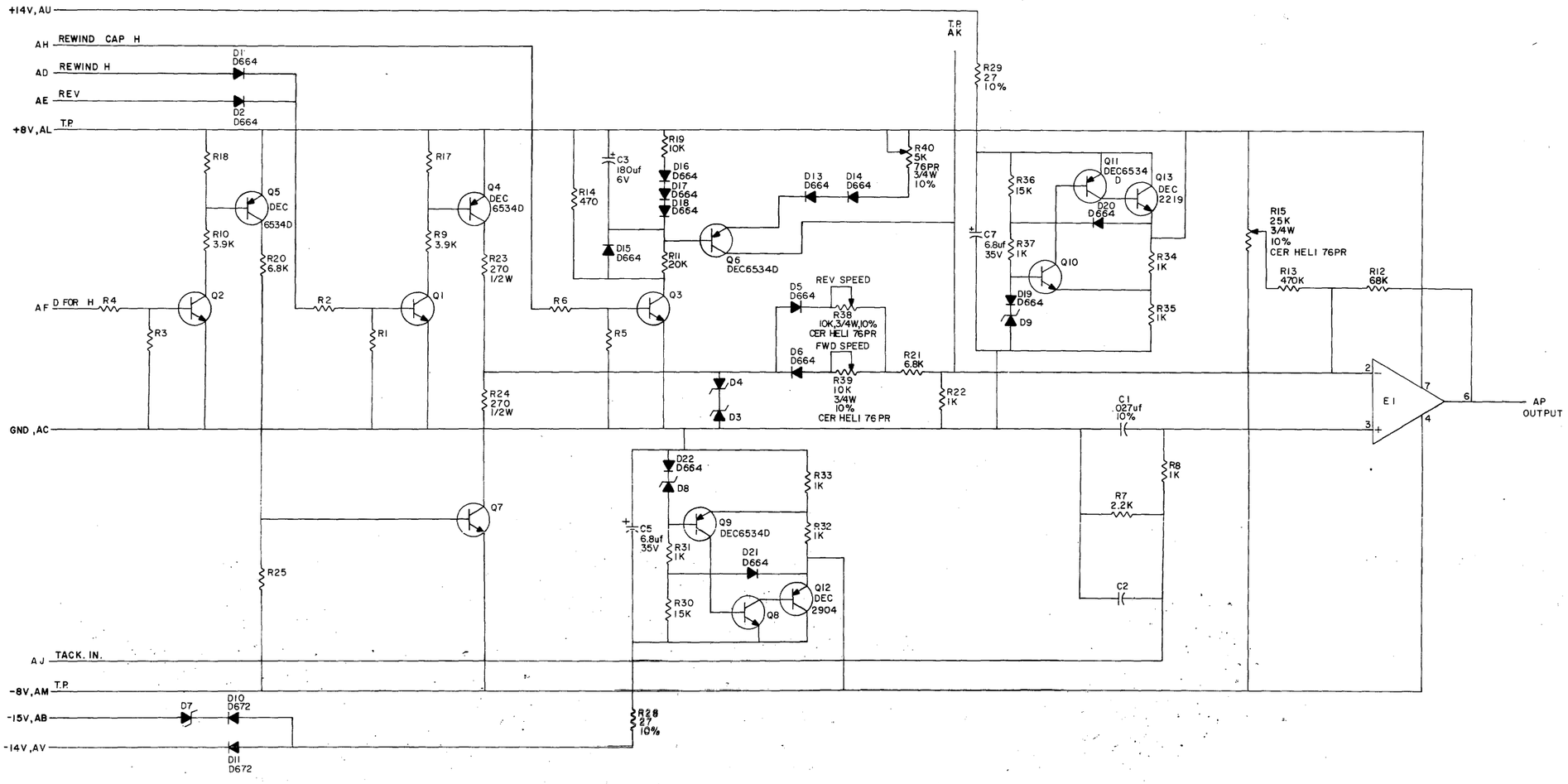
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE HEAD DRIVER G350

SIZE D CODE CS NUMBER G350-0-1 REV. D

PRINTED CIRCUIT REV. D

DEC FORM NO. DRD 116



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1.5K, 1/4W, 5%
CAPACITORS ARE .01uf, 100V, 20%
DIODES ARE IN750A
TRANSISTORS ARE DEC6531
E1 IS DEC307

REVISIONS				
CHK	CHG NO	REV		
Zuhn	00001	E		
Zuhn	00002	F		
Zuhn	00004	H		
[illegible]	[illegible]			
MORGANSTERN				

DRN	S. COOPER	DATE 8-20-70
CHK'D		DATE
ENG		DATE
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6531	MPS6531	IN750A	SAME
DEC2219	2N2219	D664	IN3606
DEC6534D	MPS6534	D672	IN3653

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE TU-10 CAPSTAN - SERVO PREAMPLIFIER G932

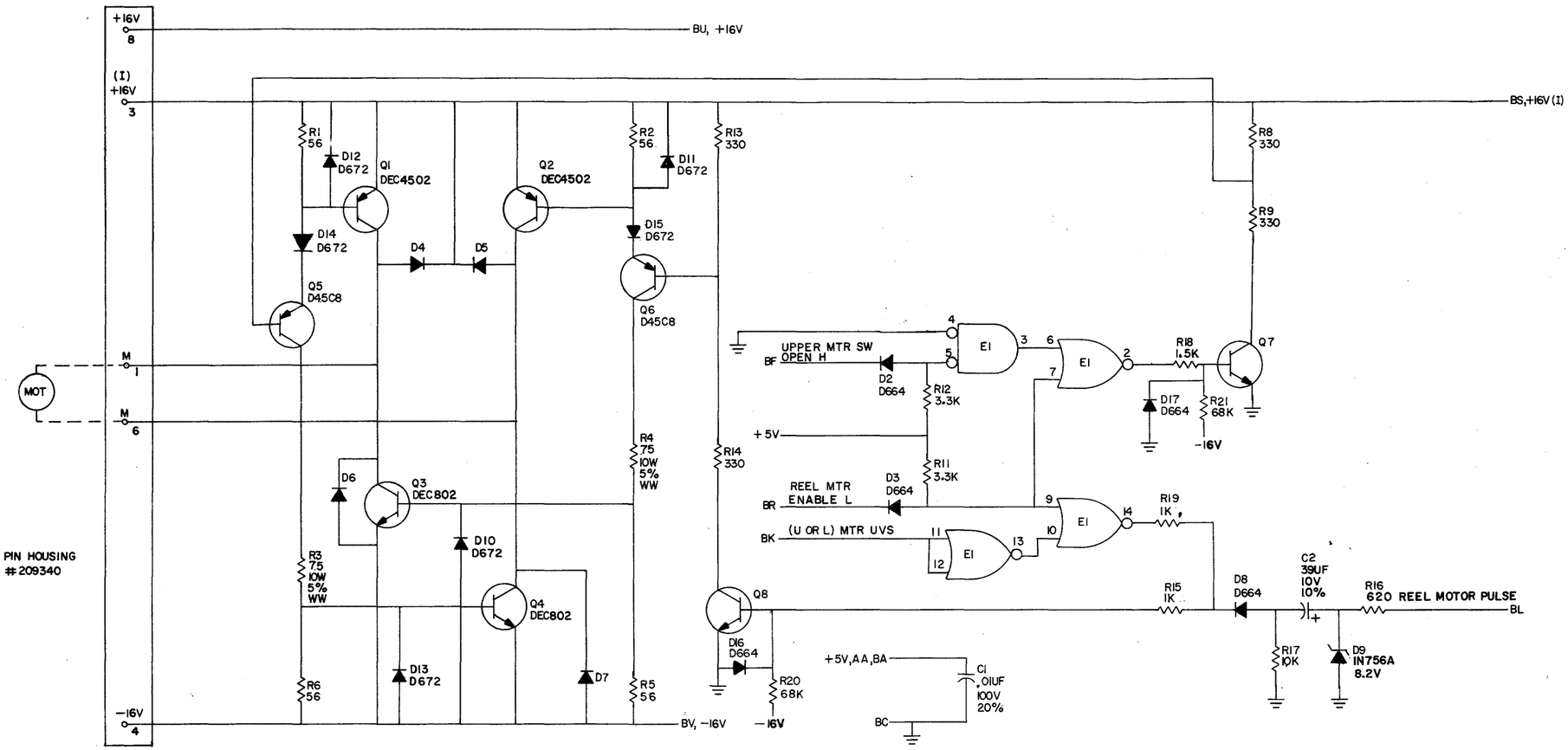
SIZE	CODE	NUMBER	REV
D	CS	G932-0-1	H

PRINTED CIRCUIT REV. D

DEC FORM NO. DRD 118

1_ PINK

SIZE	CODE	NUMBER	REV
D	CS	G932A-0-1	H



UNLESS OTHERWISE INDICATED:

RESISTORS = 1K, 1/4W, 5%
DIODES = GE A15B
TRANSISTORS = DEC6531
E1 = DEC380
PIN 1 = GND
PIN 8 = +5V ON E1

REVISIONS

REV.	CHG NO.	CHK
C	00001	
D	00002	
E	00003	
F	00004	
H	00005	
J	00006	
K	00007	

DRN. NANCY MOORE DATE 11/5/70
CHK'D DATE 11/5/70
ENG. DATE 11/12/70
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606	D45C8	
IN756A	SAME	DEC3790	2N3790
A15B		DEC3715	2N3715
DEC6531	MPS6531	DEC4502	
DEC802		D672	IN3653

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE REEL MOTOR AMPLIFIER G933

SIZE	CODE	NUMBER	REV.
C	CS	G933-0-1	K

PRINTED CIRCUIT REV. E

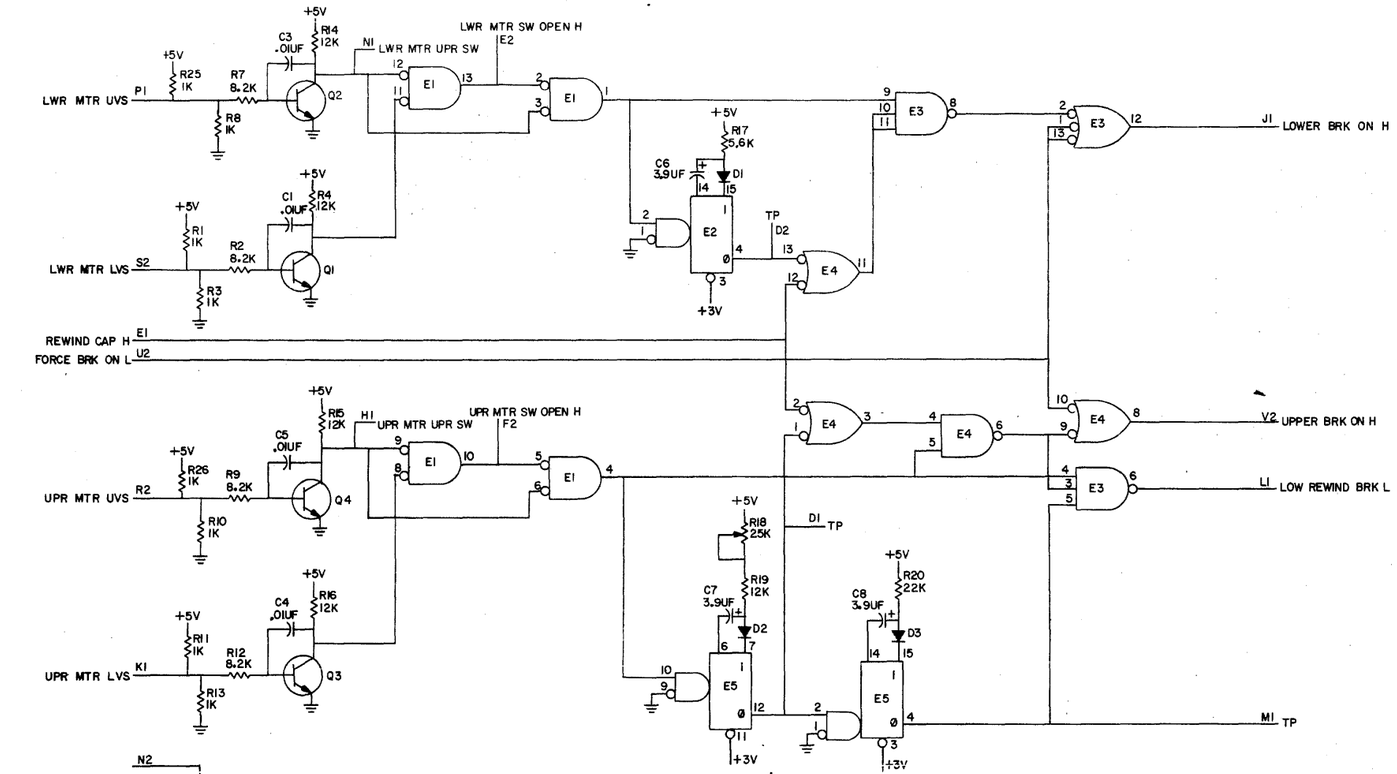
SIZE CODE C CS | NUMBER G933-0-1 | REV. K

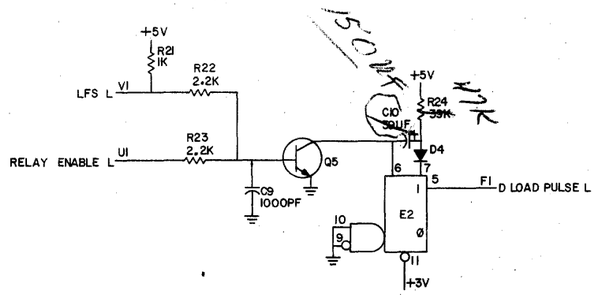
DEC FORM NO. DRC 102

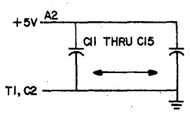
MS 699

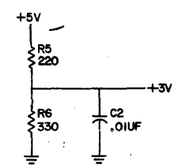
DIST. 324,434,435

4 P.W.



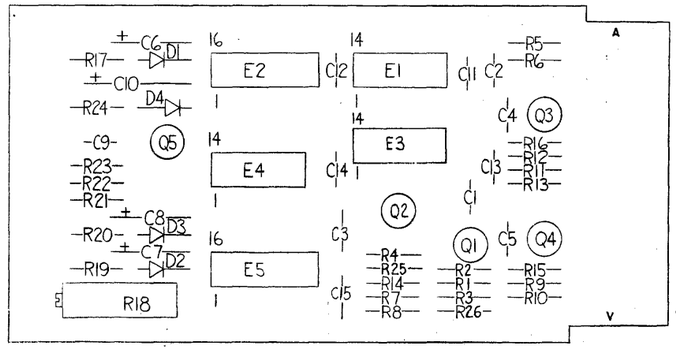






REEL MTR ENABLE L — N2 / M2 / L2 / K2 / J2 / H2

PIN 7 = GND ON E1, E3, E4
PIN 14 = +5V
PIN 8 = GND ON E2, E5
PIN 16 = +5V



QTY.	REF DESIGN	DESCRIPTION	VEN PART NO.	ITEM NO.
1		HANDLE, FLIP CHIP - GREEN	9006337-01	BP
2		EYELET #Oal-7	9006732	BA
1	R17	RES. 5.6K ¼W 5%	1301874	27
A/R		GRIPLET	121@244-0	26
2	B2, 5	I.C. DEC 74123	1910476	25
1	B1	I.C. DEC 7402	1909004	24
1	B3	I.C. DEC 7410	1905576	23
1	B4	I.C. DEC 7400	1905575	22
4	Q1, 2, 3, 4	TRANSISTOR DEC 6531	1509338	21
1	Q5	TRANSISTOR DEC 3009B	1503100	20
1	R18	RES. 25K POT HELITRIM 76PR 3/4W 10%	1309143-12	19
4	R2, 7, 9, 12	RES. 8.2K ¼W 5%	1303179	18
1	R24	RES. 39K ¼W 5%	1302514	17
1	R20	RES. 22K ¼W 5%	1301808	16
5	R4, 14, 15, 16, 19	RES. 12K ¼W 5%	1300488	15
2	R22, 23	RES. 2.2K ¼W 5%	1300417	14
9	R1,3,8,10,11,13,21,25,26	RES. 1K ¼W 5%	1300365	13
1	R6	RES. 330 ¼W 5%	1300295	12
1	R5	RES. 220 ¼W 5%	1300271	11
4	D1 – D4	DIODE D664	1100114	10
10	C1 – C5, C11 – C15	CAP. .01UF 100V 20% DISC	1001610	9
1	C10	CAP. 1900 10V 10% TANT	1000076	8
3	C6, 7, 8	CAP. 3.9UF 10V 10% TANT	1000064	7
1	C9	CAP. 1000PF 300V 5% MICA	1000042	6
1		ETCHED CIRCUIT BOARD	5009548	5
		ASSEMB ECO HISTORY	G-ECO-9340-0-6	4
		ASSY/DRILLING HOLE LAYOUT	G-ASM-9340-0-5	3
		X-Y COORDINATE HOLE LOCATION	X-Y-CR-9340-0-4	2
		PARTS LIST		1

REVISIONS			
CHK	CHG NO.	REV.	
[illegible]	00001	A	
[illegible]	00002	B	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
DEC6531	MPS6531		

DRN Nancy Hunter 4-23-71
CHK'D [illegible] DATE 4
ENG [illegible] DATE 4-23-71
PROD DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

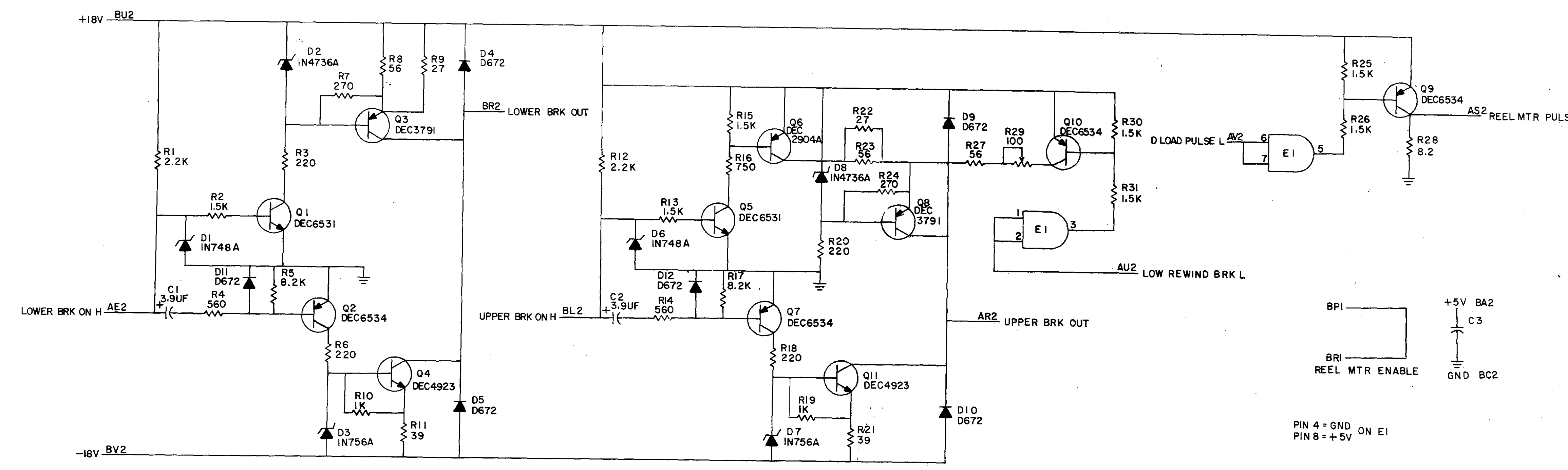
TITLE BRAKE ACTUATOR

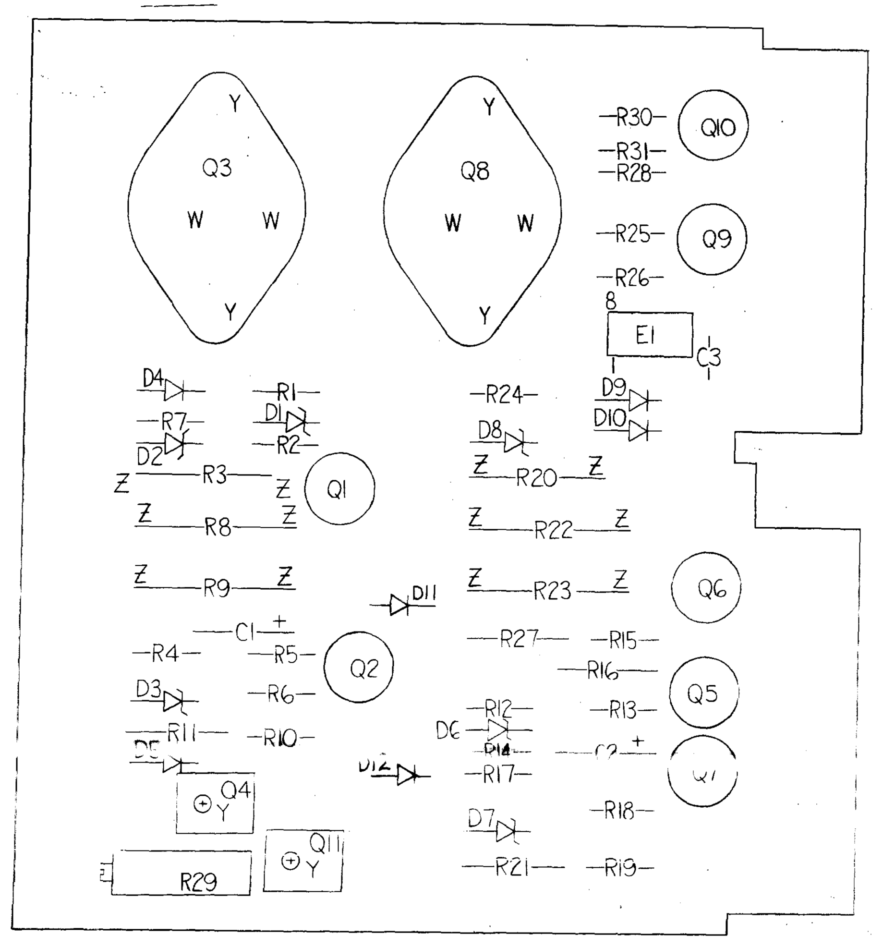
SIZE D | CODE CS | NUMBER G9340-0-1 | REV. B

PRINTED CIRCUIT REV. B

DEC FORM NO. DRD 115

SIZE CODE		NUMBER	REV
D	CS	G9341-0-1	A





QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
2	R10, R19	RES. 1K ¼W 5%	1300365	35
2		HANDLE, FLIP CHIP - GREEN	9008337-01	34
4		EYELET	9006732	33
6		#4 KEP NUT	9006557	32
6		SCREW #4 x 5/16LG	9006010-1	31
1	E1	I.C. DEC 75451	1910406	30
2	Q4, 11	TRANSISTOR 2N4923	1509604	29
2	Q3, 8	TRANSISTOR 2N3791	1509581	28
2	Q1, 5	TRANSISTOR DEC 6531	1509338	27
4	Q2, 9, 10, 7	TRANSISTOR DEC 6534D	1503409	26
1	Q6	TRANSISTOR 2N2904A	1501913	25
1	R29	POT 100 3/4W 10% 76PR	1309143-04	24
2	R9, 22	RES. 27 2W 10%	1305624	23
3	R5, 17, 28	RES. 8.2K ¼W 5%	1302856	[illegible]
2	R23, 8	RES. 56 2W 5%	1302836	21
2	R11, 21	RES. 39 ½W 5%	1302336	20
2	R7, 24	RES. 270 ¼W 5%	1301972	19
2	R14, 4	RES. 560 ¼W 5%	1301890	18
2	R1, R12	RES. 2.2K ¼W 5%	1300417	17
7	R2, 13, 15, 25, 26, 30, 31	RES. 1.5K ¼W 5%	1300391	16
1	R16	RES. 750 ½W 5%	1300354	15
2	R3, 20	RES. 220 1W 10%	1300277	14
2	R18, 6	RES. 220 ¼W 5%	1300271	13
1	R27	RES. 56 ½W 10%	1300215	12
6	D4, 5, 9, 10, 11, 12	DIODE D672	1105275	11
2	D1, 6	DIODE 1N748A	1100122	10
2	D3, 7	DIODE 1N756A	1103441	9
2	D2, 8	DIODE 1N4736A	1103340	8
1	C3	CAP. .01UF 100V 20% DISC	1001610	7
2	C1, 2	CAP. [illegible] 10V 10% S. TANT	1000064	6
1		ETCHED CIRCUIT BOARD	5009549	5
		MODULE ECO HISTORY	B-MH-G9341-0-6	4
		ASSY/DRILLING HOLE LAYOUT	[illegible]	3
		X-Y COORDINATE HOLE LOCATION	K-CC-G9341-0-4	2
		PARTS LIST		

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D672	1N3653	DEC6531	MPS6531
1N746A		DEC6534	MPS6534
1N756A		DEC3791	
1N4736A		DEC2904	

REVISIONS: CHG NO. 00001, REV A

DRN S. Cooper DATE 4-20-71
CHK'D DATE 4-23-71
ENG DATE 4-29-71
PROD DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE TU-10 BRAKE ACTUATOR

SIZE	CODE	NUMBER	REV.
D	CS	G9341-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO. DRD 11B

SIZE D | CODE CS | NUMBER M514-0-1 | REV K

+5V, AA2, BA2

BE1 B SET R1 — Q2

R2, R3 330

E2 (5, 4, 6) — E2 (13, 12, 11) — SET FUNCTION L ADI

R8 680Ω — R58 5.6K — C7 10 pf

E3 DEC9601 (1, 2, 3, 4, 11, 13) — 8 SET PULSE H BV2 — 6 SET PULSE L BU2

R73 10K +5V

D2

BE2 B SEL Ø R10Ø — Q3, Q4 — R11, R12 1.2K, R13 10K — C4

BM2 B SEL 1 R14 — Q30, Q5 — R15, R16 1.2K, R17 10K — C5

BK1 B SEL 2 R18 — Q6, Q7 — R19, R20 1.2K, R21 10K — C6

E4 (10, 9, 8) — E1 (1, 5, 2, 4, 6) — E2 (9, 10, 8)

MATCH 4 H ALI — LOCAL L AHI — SW 4 AMI — 7 CH H AJI — MATCH 2 H ARI — SW 2 ASI — MATCH 1 H ANI — SW 1 API

R26 560 — R27 560 — R25 10K — R30 — BK2

E1 (10, 12, 13, 9, 8) — SELECT REMØTE L AFI — E5 (9, 10, 14)

R37 330 — BVI B STOP R36 — Q12

R31 330 — BL2 B DENS R32 — Q11

D4

R34 — DEN 8L BMI

R35 330 — BL1 B DEN 5 R33 — Q10

D3

D8

BJ2 BOT L D5 — R40 3K

BH2 END POINT L D6 — R41 3K

BF2 REWIND STATUS L D7 — R42 3K

E5 (6, 7, 2) — E5 (11, 12, 13) — E5 (4, 5, 3)

R43 1.8K — R44 8.2K — R48 1.8K — R49 8.2K — R53 1.8K — R54 8.2K — R28 8.2K — R29 1.8K

Q15 DEC6534B — B BOT AUI

Q18 DEC6534B — B EOT BHI

Q21 DEC6534B — B RWS BPI

Q13 DEC6534B — B 7 CH AVI

R38

E2 (1, 2, 3) — CLEAR FUNCTION L AH2

SELECT REMOTE H AKI

MUX OUT L AEI

R45 — Q16 — C15 56 PF, 5% — R46

R50 — Q19 — C17 56PF, 5% — R51

R55 — Q22 — C19 56PF, 5% — R56

R39 10K

E4 (13, 12, 11) — CLEAR FUNCTION H AJ2

R47 1.2K — Q17 — C16 56 PF, 5% — R52 1.2K — R57 1.2K — R FWD H BJI

Q20 — C18 56PF 5% — R REW H BFI

Q23 — C20 56PF 5% — R WRE H BNI

R59 390 — R60 56 — Q24 — V CLAMP BUI

R61 560 — R62 100 — C9 1uf 35V

R63 1.2K — R64 1.2K — WRITE STROBE H BT2

Q26

R65 10Ø

BN2 BREC R66 2.2K — Q25

D9 — D10 D662 — R68 1K — C STROBE BS2

Q27

R70 1.2K — R71 220 — LRCC STROBE H BR2

Q29

BF2 BLR CC R69 2.2K — Q28

R67 12K

C1 39uf 10V 10% — D1 IN746A — Q31 DEC1008 — R4 220 — C2 39uf 10V 10%

Q1 DEC2904

R5 2W 120 — R72 680 — R6 2W 68

UNLESS OTHERWISE INDICATED:
RESISTORS ARE 2.7K, 1/4W, 5%
CAPACITORS ARE .01uf, 100V, 20%
TRANSISTORS ARE DEC3Ø09B
DIODES ARE D003
E1 IS A DEC7440
E2 IS A DEC7400
E3 IS A DEC9601
E4 IS A DEC7486
E5 IS A DEC384
ON E5 PIN 1 = GND, PIN 8 = +5V
ON ALL OTHER IC'S PIN 7 = GND, PIN 14 = +5V

−2.4V, BD2
GND, AC2, AT1, BC2, BT1
−3.3V, BR1
−15V, AB2, BB2

+5V — C10 — C11 — C12 — C13 — C14 — GND

REVISIONS	CHG NO	REV
	00001	F
	00002	H
	00003	J
	00004	K

DRN. Jeanne French DATE 8/11/70
CHK'D DATE
ENG DATE
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC2904	2N1132		
DEC6534B	MP36534		
DEC3Ø98	2N3099		
D003	IN994		
IN746A	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE BUS TRANSCIEVER M514

SIZE D | CODE CS | NUMBER M514-0-1 | REV K

PRINTED CIRCUIT REV. H

DEC FORM NO. DBD 116

AH1 BWD0 — R1 4.7K 10% — C14 220PF 5% — D1 D5
−15V BB2 — R27 1K — D20 — C24 1UF 35V 10% — C23 — D19 IN746A
AJ1 BWD1 — R2 4.7K 10% — C15 220PF 5% — D2 D6
AF1 BWDP — R3 4.7K 10% — C16 220PF 5% — D3 D7
AP1 LRCC STROBE H — R8 1K
AE1 BWD2 — R4 4.7K 10% — C17 220PF 5% — D4 D8
AR2 V CLAMP
AU1 C STROBE

E2 R5 1K
E2 R6 1K
E4 R7 1K
E4 R8 1K

E10

E13 CLEAR

E1 WB0H AK2 / WB0L AL2
E1 WB1H AM2 / WB1L AN2
E3 WBPH AE2 / WBPL AF2
E3 WB2H AS2 / WB2L AT2

SW0 SW1 SW2 SW3 SW4 SW5 SW6 SW7

R9 R10 R11 R12 R13 R14 R15 R16 +5V

BV2 CLR4H — BRI CLR3H — BSI CLR2H — BU1 CLR1H
CLR5H BN1 / CLR6H BU2 / CLR7H BD1 / CLR8H BJ1

AU2 WB3H — AV2 WB3L — E5
BE2 WB4H — BF2 WB4H — E5
BJ2 WB5H — BK2 WB5L — E7
BM2 WB6H — BN2 WB6L — E7
BR2 WB7H — BS2 WB7L — E9

R17 1K — E6
R18 1K — E6
R19 1K — E8
R20 1K — E8
R21 1K — E10

C18 220PF 5% — D9 D14 — R22 4.7K 10% — BWD3 AK1
C19 220PF 5% — D10 D15 — R23 4.7K 10% — BWD4 AD1
C20 220PF 5% — D11 D16 — R24 4.7K 10% — BWD5 AJ2
C21 220PF 5% — D12 D17 — R25 4.7K 10% — WRITE STROBE H BP1 — BWD6 AH2
C22 220PF 5% — D13 D18 — R26 4.7K 10% — BWD7 AD2

WB CLEAR L — BL1
SELECT REMOTE H — BM1
E11 E11 E12 E12 E10 E11 E11

CLOCK L BK1

E9 WB SET ENBL H AP2

+5V — AA2, BA2
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 — AC2, AT1, BC2, BT1

UNLESS OTHERWISE INDICATED;
RESISTORS ARE 680,1/4W,5%
CAPACITORS ARE .01UF, 100V, 20%
DIODES ARE D664
SWITCHES ARE 1210042
DEC 7473 = E1, E3, E5, E7, E9
DEC 6380 = E2, E4, E6, E8, E10
DEC 7474 = E12
DEC 74164 = E13
DEC 7400 = E11

PIN 4 = +5V
PIN 11 = GND ON DEC 7473

PIN 1 = GND
PIN 8 = +5V ON DEC 6380

PIN 7 = GND
PIN 14 = +5V ON DEC 7474, DEC74164, DEC 7400

REVISIONS	CHK	CHG NO	REV
		000001	E
		000002	D

DRN L. Watts 8/31/70
CHK'D J. Hess 11/30/70
ENG. [illegible] 12/1/70
PROG. P. Sivera 12/15/70

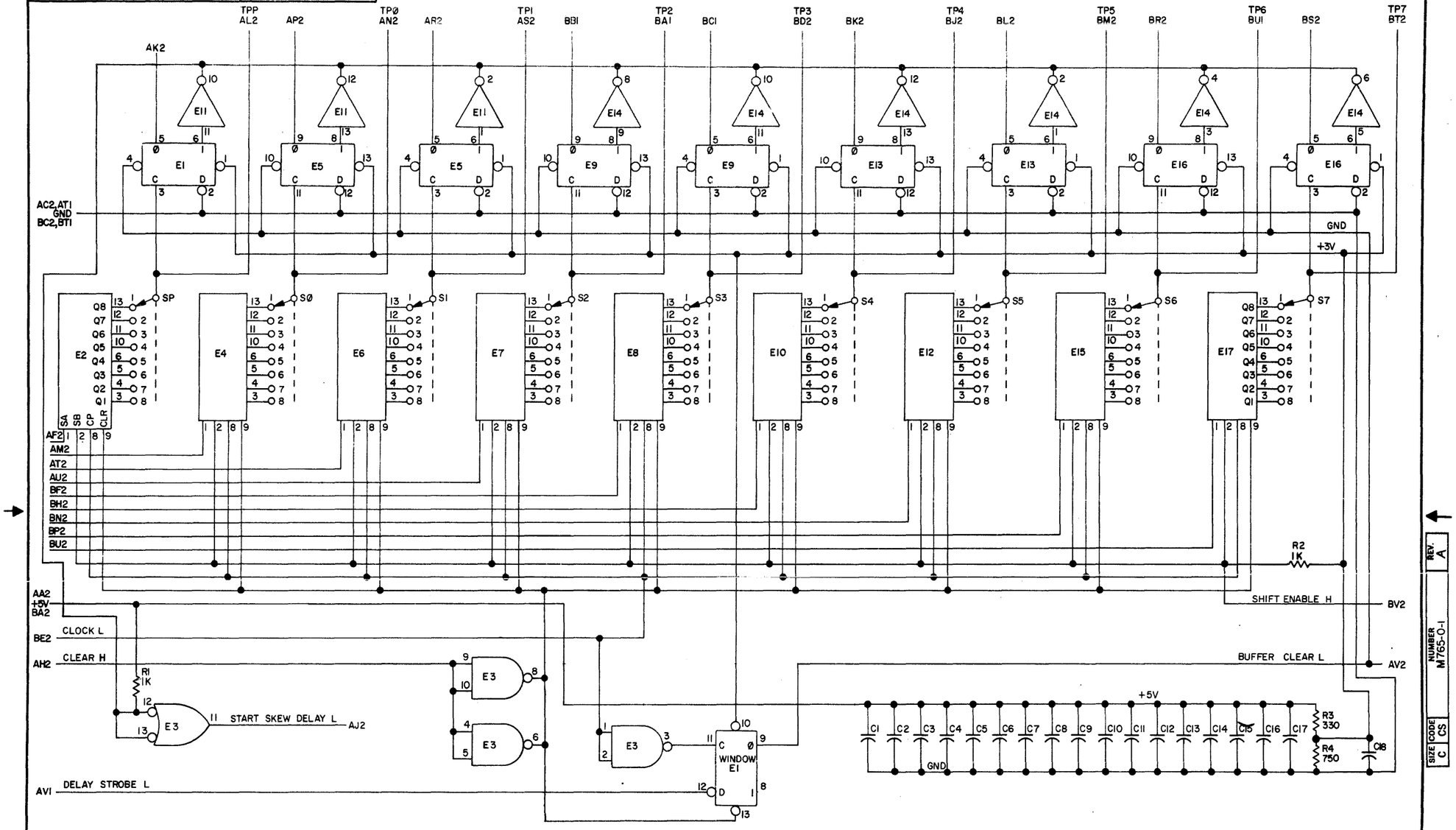
TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3605		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: WRITE BUFFER M763
SIZE D | CODE CS | NUMBER M763-0-1 | REV. E
PRINTED CIRCUIT REV. D

DEC FORM NO. DRD 118.



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W,5%
CAPACITORS ARE .01MFD,100V,20%
E1,E5,E9,E13, E16 ARE DEC7474N
E2,E4,E6,E7,E8,E10,E12,E15, E17 ARE DM8570
E3 IS DEC7400N
E11, E14 ARE DEC7405N
PIN 7 ON EACH IC=GND
PIN 14 ON EACH IC=+5V
SWITCHES ARE SPECTROL 1210042-0

REVISIONS

REV.	CHG NO.	CHK
A	00001	

DRN	B. Fleger	DATE 12-3-69
CHK'D	C. Wilson	DATE 5/8/70
ENG.	K. McFarland	DATE 7/15/70
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

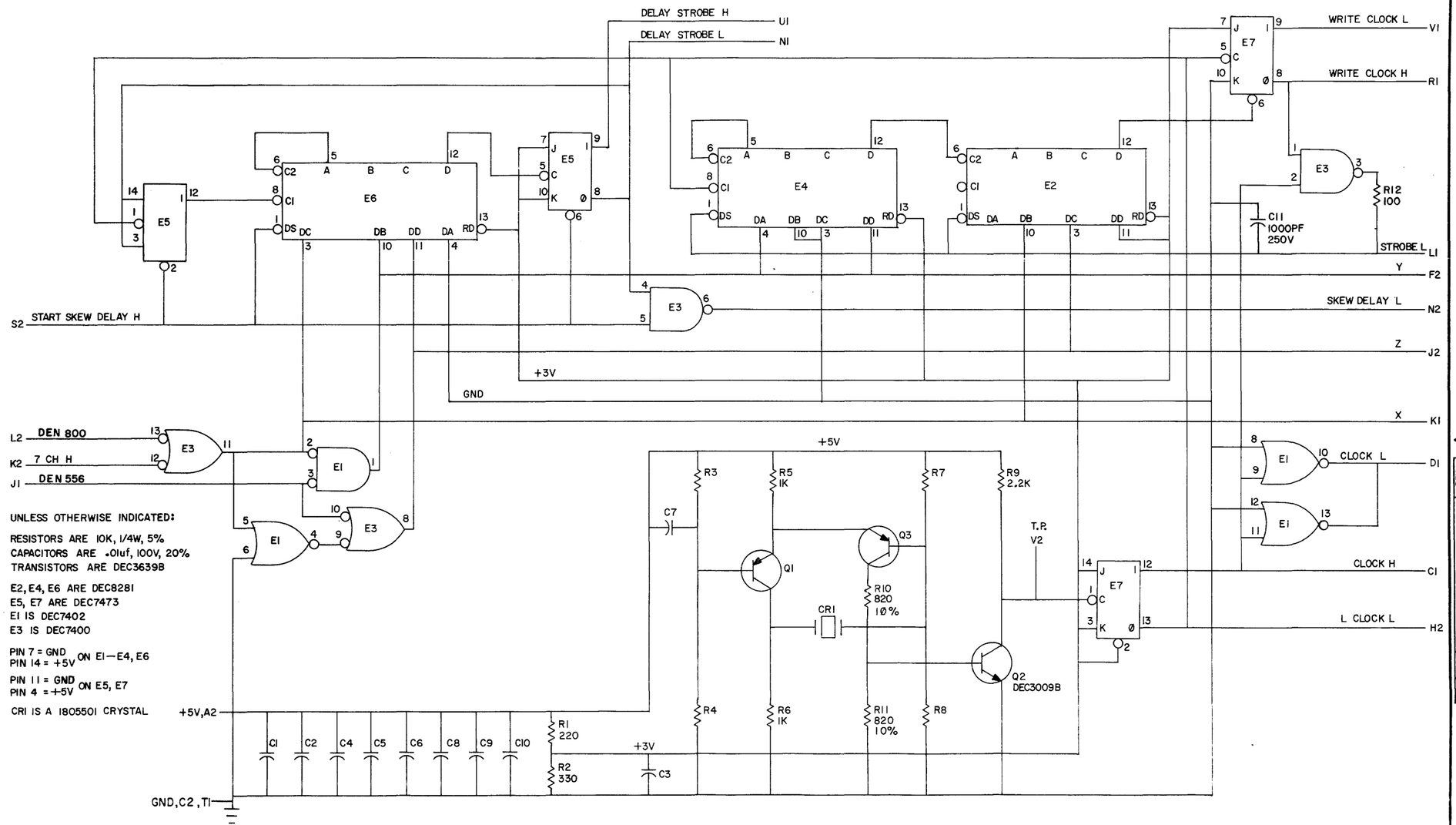
TITLE: READ BUFFER M765

SIZE	CODE	NUMBER	REV.
C	CS	M765-0-1	A

PRINTED CIRCUIT REV. A B

REV. A
NUMBER M765-0-1
SIZE C CODE CS

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:

RESISTORS ARE 10K, 1/4W, 5%
CAPACITORS ARE .01uf, 100V, 20%
TRANSISTORS ARE DEC3639B

E2, E4, E6 ARE DEC8281
E5, E7 ARE DEC7473
E1 IS DEC7402
E3 IS DEC7400

PIN 7 = GND
PIN 14 = +5V ON E1—E4, E6

PIN 11 = GND
PIN 4 = +5V ON E5, E7

CR1 IS A 1805501 CRYSTAL

REVISIONS			
CHK	CHG NO.	REV	
DP	00001	A	
JM	00002	B	
BW	00003	C	

DRN. NANCY MOORE	DATE	7/23/70
CHK'D. R Waldie	DATE	7-9-70
ENG. W McFarland	DATE	9-15-70
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009B		
DEC3639B	2N3639B		

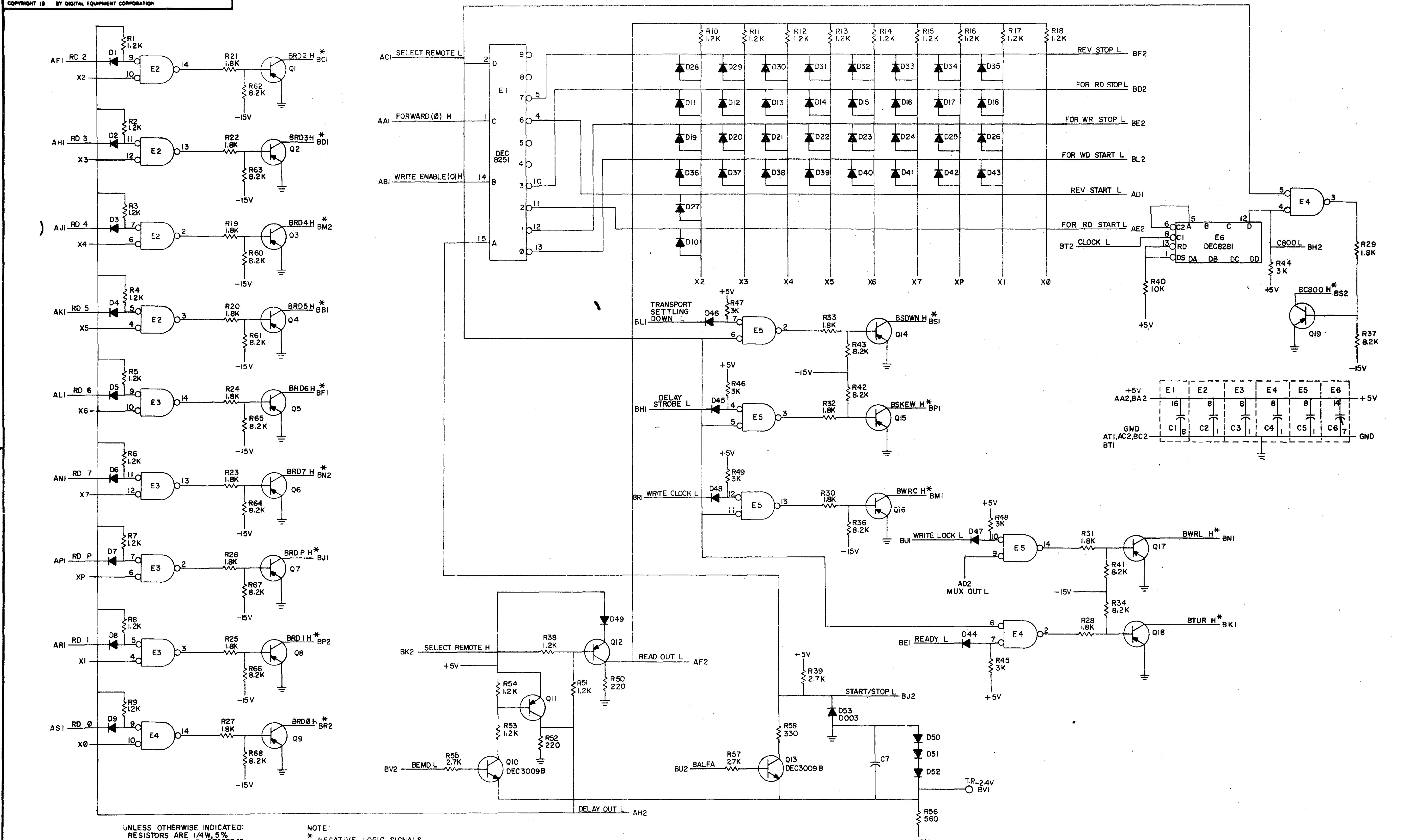
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: CLOCK AND SKEW DELAY M767

SIZE	CODE	NUMBER	REV.
C	CS	M767 -0-1	C

PRINTED CIRCUIT REV. A C

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC6534B
DIODES ARE D664
CAPACITORS ARE .01 UF, 100V, 20%
IC'S ARE SP 384

NOTE:
* NEGATIVE LOGIC SIGNALS
EG. L = -3V
H = 0V

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606	DEC3639B	NONE
D003	1N994	DEC3009B	2N3009 B
DEC6534B	MPS6534		

DRN A. Cooper DATE 12/2/70
CHK'D
ENG. M. Morganstern DATE 12/16/70
PROD.

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE DELAY TRANSMITTER M768

SIZE D CODE CS NUMBER M768-0-1 REV. F

PRINTED CIRCUIT REV. E

DEC FORM NO. DRB 11B

SIZE D | CODE CS | NUMBER M769-0-1 | REV H

RB CLEAR H BDI
REWIND STATUS L BR2
INIT L BJI
FORWARD H AR2
START L BMI
STOP PULSE H BJ2
START PULSE H BN2
FORWARD L BE2
MOTION H BBI
REVERSE L BL2
LOCAL H BEI
LOCAL L BF2
LINE SW CL L BP2
LED C ADI
W B CLEAR L AU2
EOT L API
REVERSE H BM2
BOT H BK2
REWIND STATUS H AVI
BOT L AAI
WRITE LOCK H AN2
EOT H AL2

R1 47 1/2W 5%
R2 1.2K
R3 1.2K
R4 10K
R5 390
R6 1.2K
R7 1.2K
R8 1.2K
R9 1.8K
R10 56K 5%
R11 1.2K
R12 1.8K
R13 56K 5%
R14 10K
R15 6.8K
R16 6.8K
R17 4.7K
R18 4.7K
R19 680
R20 10K
C17 3.9UF 10V 10%
C18 3.9UF 10V 10%
C19 3.9UF 10V 10%
C20 3.9UF 10V 10%
C21 220PF 5%
C22 100PF 5%
C23 .005UF
C24 .005UF
D1
D2
D3
D4
D5
Q1
Q2
+5V
-15V
AB2 -15V

BRI START/STOP L
BV2 CLEAR FUNCTION
BD2 L VACUUM ON H
AP2 END POINT H
AV2 SELECT REMOTE H
BH2 STOP L
BCI OFF LINE L
BS2 ON LINE L
ARI RUNNING L
AUI WRITE ENABLE H
AH2 PCLR L
ASI WRITE ENABLE L
AM2 END POINT L
BUI R REV H
BT2 M REV L
BVI R FWD H
BSI M FWD L
AFI SET PULSE L
BNI M REW L
BFI R WRL H
AJ2 R REW H
AK2 R WRE H
AEI WRITE LOCK L
ACI BOT EMIT;
ABI EOT EMIT;

UNLESS OTHERWISE INDICATED:
RESISTORS = 1/4W, 10%
CAPACITORS = .01UF, 100V, 20%
DIODES = D003
TRANSISTORS = DEC3639B
DEC 7474 = E6, E12, E13
DEC 7400 = E4, E7, E14
DEC 7410 = E8, E10
DEC 7420 = E1, E9
DEC 7450 = E16
DEC 7402 = E2, E11
DEC 384 = E3
DEC 7404 = E5, E15

PIN 7 = GND
PIN 14 = +5V ON ALL IC'S

PIN 1 = GND ON E3
PIN 8 = +5V

+5V, AA2, BA2 — C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 — AC2, AT1, BC2, BT1

REVISIONS	CHK	CHG NO.	REV.
1		00001	F
2	CHG	00002	H
3	MORGENSTERN		

DRN MANCY MOORE DATE 1/19/71
CHK'D L. Wilcox DATE 1/5/71
ENG [illegible] DATE 1/14/71
PROD DATE

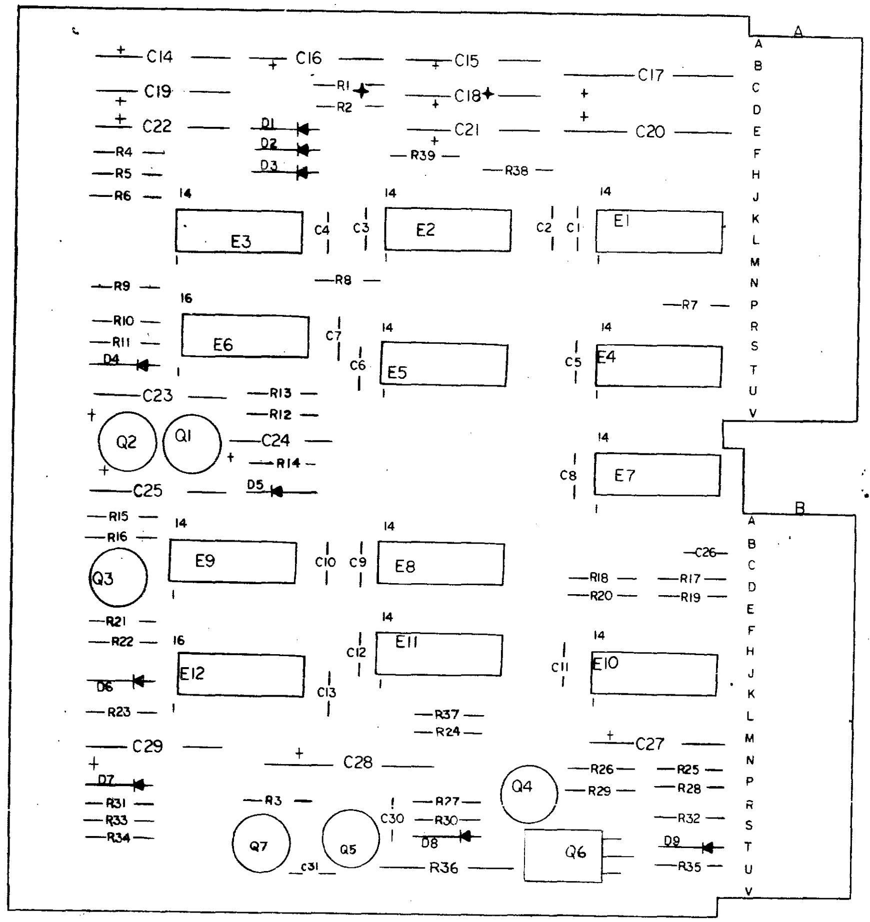
TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D003	IN994		
DEC3639B	NONE		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE FUNCTION CONTROL M769
SIZE D | CODE CS | NUMBER M769-0-1 | REV. H
PRINTED CIRCUIT REV. J

DEC FORM NO. DBD 118



1		[illegible]	[illegible]	[illegible]
1		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]
4		EYELET	9006732	[illegible]
2	E6, 12	I.C. DEC 74123	[illegible]	[illegible]
3	E3, 5, 9	I.C. DEC 9601	[illegible]	[illegible]
2	E2, 7	I.C. DEC 7402	[illegible]	[illegible]
1	E11	I.C. DEC 7450	[illegible]	[illegible]
2	E4, 10	I.C. DEC 7400	[illegible]	[illegible]
2	E1, 8	I.C. DEC 7474	1905547	[illegible]
1	Q6	TRANSISTOR DEC [illegible]	[illegible]	[illegible]
1	Q4	TRANSISTOR [illegible] 6531	[illegible]	[illegible]
5	Q1, 2, 3, 5, 7	TRANSISTOR DEC 3009B	1503100	[illegible]
1	R31	RES. 39K ¼W 5%	[illegible]	[illegible]
1	R11	RES. 30K ¼W 5%	[illegible]	[illegible]
1	R36	RES. 390 1W 5%	[illegible]	[illegible]
1	R5	RES. 22K ¼W 5%	[illegible]	[illegible]
1	R30	RES. 820 ¼W 5%	[illegible]	[illegible]
5	R8, 19, 20, 38, 39	RES. 680 ¼W 5%	[illegible]	[illegible]
1	R2	RES. 180 ¼W 5%	[illegible]	[illegible]
8	R21,28,29,32,33,34,35,37	RES. 1.2K ¼W 5%	[illegible]	[illegible]
3	R6, 7, 22	RES. 12K ¼W 5%	[illegible]	[illegible]
4	R10, 13, 14, 23	RES. 10K ¼W 5%	1300479	[illegible]
3	R3, 18, 26	RES. 3.9K ¼W 5%	[illegible]	[illegible]
1	R12	RES. 3K ¼W 5%	1300412	17
1	R9	RES. 2.2K ¼W 5%	1300417	[illegible]
4	R15, 16, 24, 27	RES. 1.8K ¼W 5%	[illegible]	15
1	R4	RES. 27K ¼W 5%	[illegible]	14
3	R1, 17, 25	RES. 220 ¼W 5%	1300271	13
1	D9	DIODE 1N4001	1102942	12
8	D1 thru D8	DIODE D664	1100114	11
1	C28	CAP. 100UF 20V 10% TANT	1004815	10
2	C17, 20	CAP. 47UF 20V 10% TANT	1004814	9
1	C26	CAP. .05UF 25V -20% +80% DISC	1001774	8
15	C1 thru C13, 30, 31	CAP. .01UF 100V 20% DISC	1001610	7
11	C14, 15, 16, 18, 19, 21-23 27, 29, 25	CAP. 39UF 10V 10% TANT	1000076	6
1	C24	CAP. 3.9UF 10V 10% TANT	1000064	5
1		ETCHED CIRCUIT BOARD	5009129	4
		MODULE ECO HISTORY	B-MH-M890-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M890-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M890-0-4	1
QTY.	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
		PARTS LIST		

SHEET 1 OF 2

REVISIONS		
CHK	CHG NO	REV
	00003	H
	00004	J

DRN Roger Doucette DATE 5/13/71
CHK'D [illegible] DATE 5/25/71
ENG [illegible] DATE [illegible]
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE MOTION CONTROL

SIZE D | CODE CS | NUMBER M890-0-1 | REV. J

PRINTED CIRCUIT REV H

DIST. 324, 434, 435

REWIND STATUS H AA1
REWIND BRK H AJ1
FORWARD L AD2
TA H AL1
REWIND BRK L AK1
MOTION H AV2
LOCAL H AU1
OFF L BL1
LOAD PULSE L BH1
BRK REL L BB1
UFS L BM2
LFS H BC1
R8 680
R9 2.2K
R10 10K
R11 30K
R12 3K
R13 10K
R2 180
R1 220
C1 .01UF THRU C13
C14 39UF
C19 39UF
C22 39UF
C23 39UF
C25 39UF
C17 47UF
C20 47UF
C24 3.9UF
C26 .05UF
C27 39UF
C28 100UF
C29 39UF
C30
C31
R4 27K
R5 22K
R6 12K
R7 12K
R14 10K
R15 1.8K
R16 1.8K
R17 220
R18 3.9K
R19 680
R20 680
R21
R22 12K
R23 10K
R24 1.8K
R25 220
R26 3.9K
R27 1.8K
R28
R29
R30 820
R31 39K
R32
R33
R34
R35
R36 390
R37
R38 680
R39 680
D1 D2 D3 D4 D5 D6 D7 D8 D9 IN4001
Q1 Q2 Q3 Q4 DEC 6531B Q5 Q6 DEC 4920 Q7 R3 3.9K
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12
+5V +3V +18V -15V GND
AA1 REWIND STATUS H
AJ1 REWIND BRK H
AD2 FORWARD L
AL1 TA H
AK1 REWIND BRK L
AV2 MOTION H
AU1 LOCAL H
BL1 OFF L
BH1 LOAD PULSE L
BB1 BRK REL L
BM2 UFS L
BC1 LFS H
AM1 TSL
AN1 TDL
AH1 REWIND CAP H
AP2 REWIND H
AT2 PCLR L
AS1 PCLR H
AR2 B PCLR
AF1 LD ON LINE
AR1 TRANS SETTLING DOWN
API RUNNING H
BE2 RUNNING L
BE1 READY L
BD2 RELAY ENABLE H
BD1 RELAY ENBL L
BJ1 CLR RLY ENBL L
BP2 FORCE BRK ON H
BN2 FORCE BRK ON L
BU1 VACUUM ON L
BF2 VACUUM ON H
BV1 REEL MTR ENBL L
BV2 REEL MTR ENBL H
BU2 +18V
BS2 MTR PWR RELAY COIL
BT2 PWR COM
BL2 FAIL H
BK1 FAIL L
BA1 LFS L
+5V, AA2, BA2
GND, AC2, AT1, BC2, BT1
-15V, AB2, BB2

UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01UF
DIODES ARE D664
RESISTORS ARE 1.2K
TRANSISTORS ARE DEC 3009B
DEC 7400 = E4, E10 PIN 7 = GND, PIN 14 = +5V
DEC 7402 = E2, E7 " "
DEC 7450 = E11 " "
DEC 7474 = E1, E8 " "
DEC 9601 = E3, E5, E9 " "
DEC 74123 = E6, E12 PIN 8 = GND, PIN 16 = +5V

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 4920		IN4001	SAME
DEC 3009B	2N3009	664	IN3606
DEC 6531	MPS6531		

REVISIONS: CHM 000003 H, SUB 000004 J

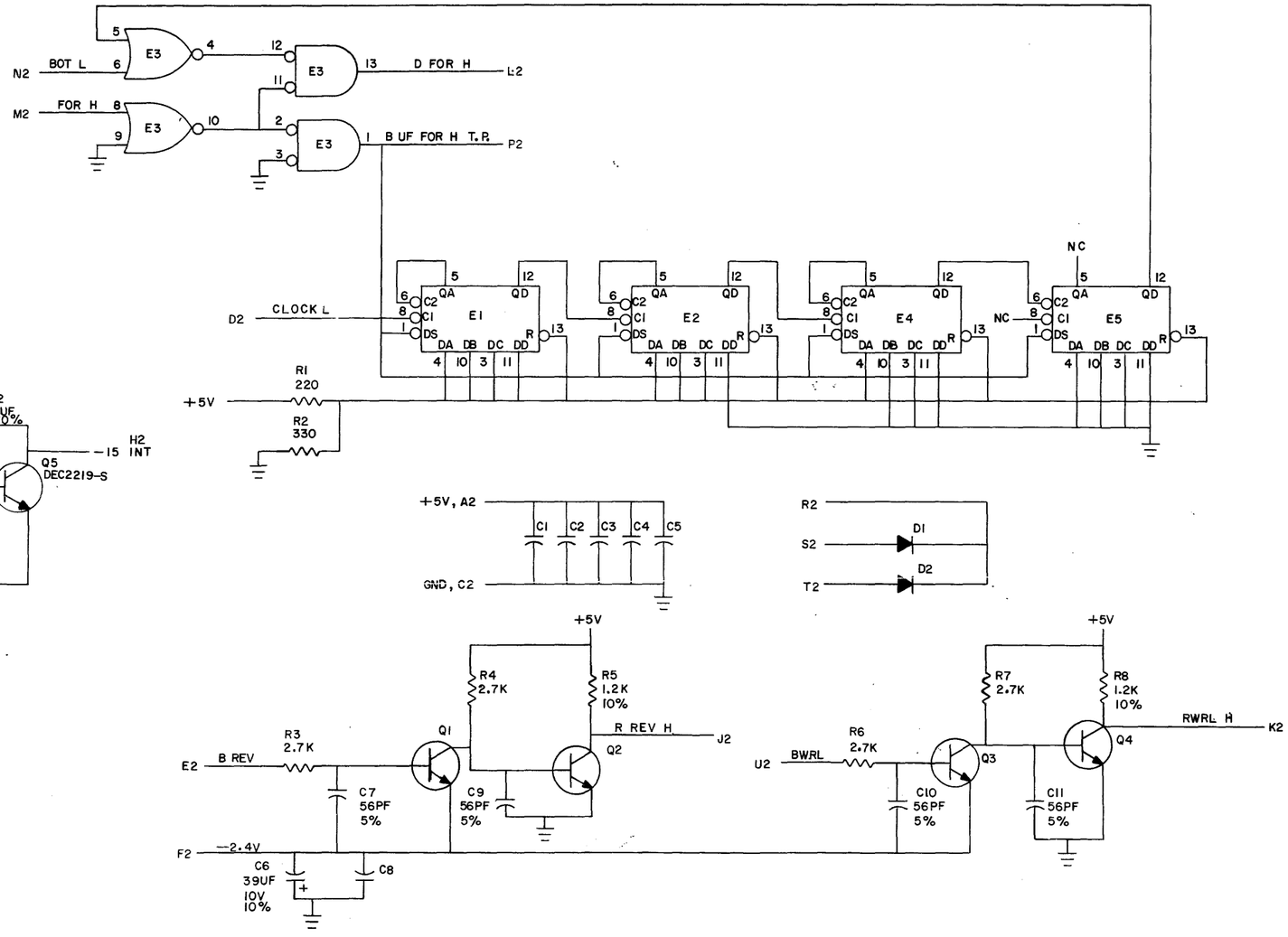
DRN Roger Doucette 8/3/71
CHK'D [illegible] 8/5/71
ENG [illegible] 8/5/71
PROD

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MOTION CONTROL
SIZE D | CODE CS | NUMBER M890-0-1 | REV. J
PRINTED CIRCUIT REV H

SHEET 2 OF 2

DEC FORM NO. CRD 116



UNLESS OTHERWISE INDICATED:
- RESISTORS ARE 1/4W, 5%
- CAPACITORS ARE .01UF, 100V, 20%
- DIODES ARE IN4001
- TRANSISTORS ARE DEC3009B
- DEC7402 = E3
- DEC74197 = E1, E2, E4, E5
- PIN 7=GND ON ALL IC'S
- PIN 14 = +5V

REVISIONS			
REV	CHG NO	CHK	
B	00001		
C	00002		

DRN. George Wyatt	DATE	1-12-71
CHK'D	DATE	1-12-71
ENG	DATE	
PROD	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
IN4001	SAME	IN747A 3.6V	SAME
DEC2219	2N2219		
DEC6534D	MPS6534		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: FORWARD B.O.T. TIMER M7670

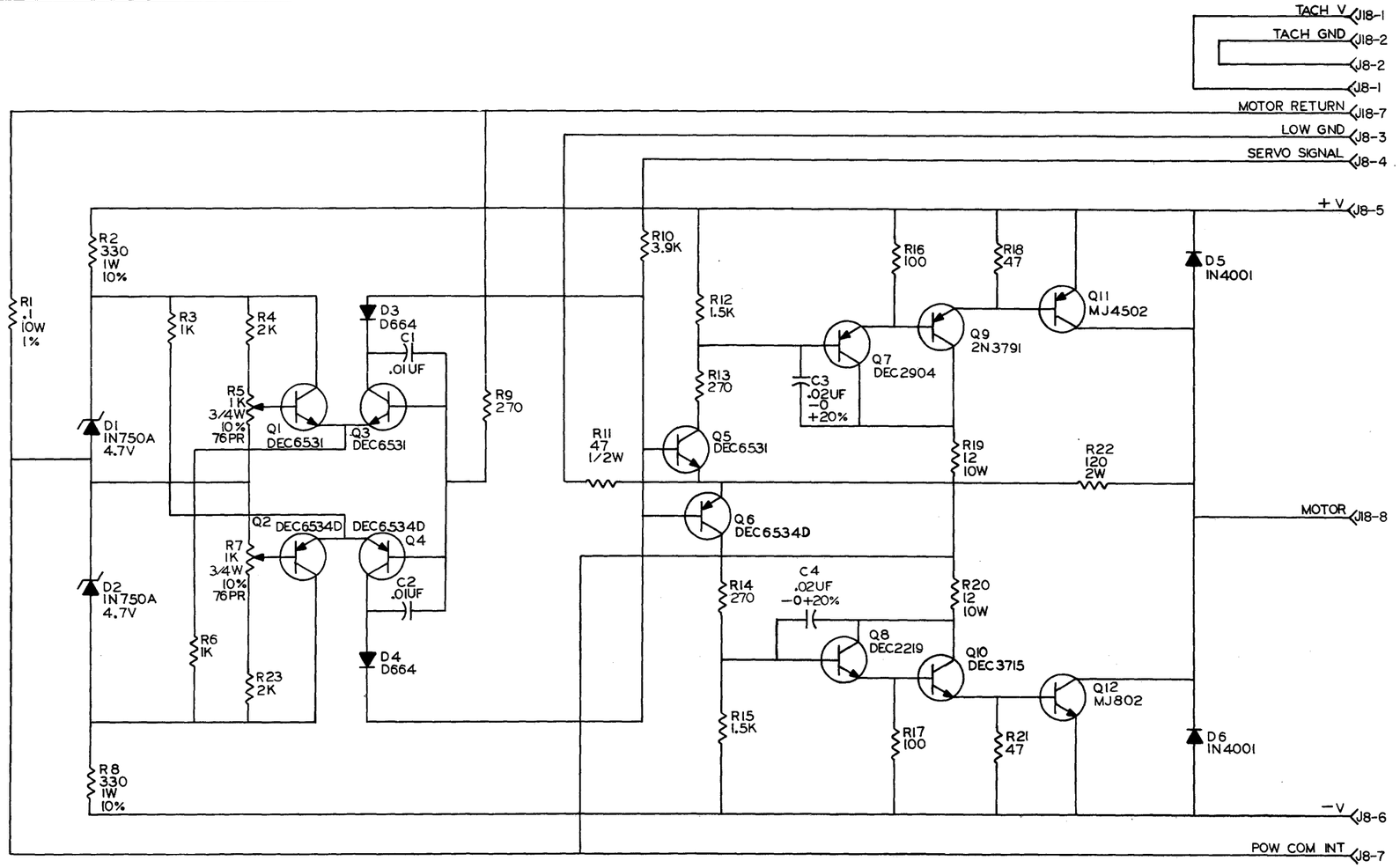
SIZE	CODE	NUMBER	REV.
C	CS	M7670-0-1	C

PRINTED CIRCUIT REV. C

DEC FORM NO. DRC 105

DIST, 324, 434, 435²

4 PINK



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 100V, 20%
RESISTORS ARE 1/4W, 5%
J13 AND J14 = MATE AND LOCK CONNECTORS 1209340

REVISIONS			
CHK	CHG NO	REV	
REV H	00002	H	
REV J	00003	J	

DRN	Roger Doucette	DATE 4/26/71
CHK'D	Nancy Morse	DATE 9.29.71
ENG	[illegible]	DATE 9/6/71
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA
MJ4502	
MJ 802	
2N3791	
DEC6531	MPS6531
DEC6534D	MPS6534

DEC	EIA
DEC3715	2N3715
DEC2219	2N2219
DEC2904	2N1132
1N4001	SAME
1N750A	SAME
D664	1N3606

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

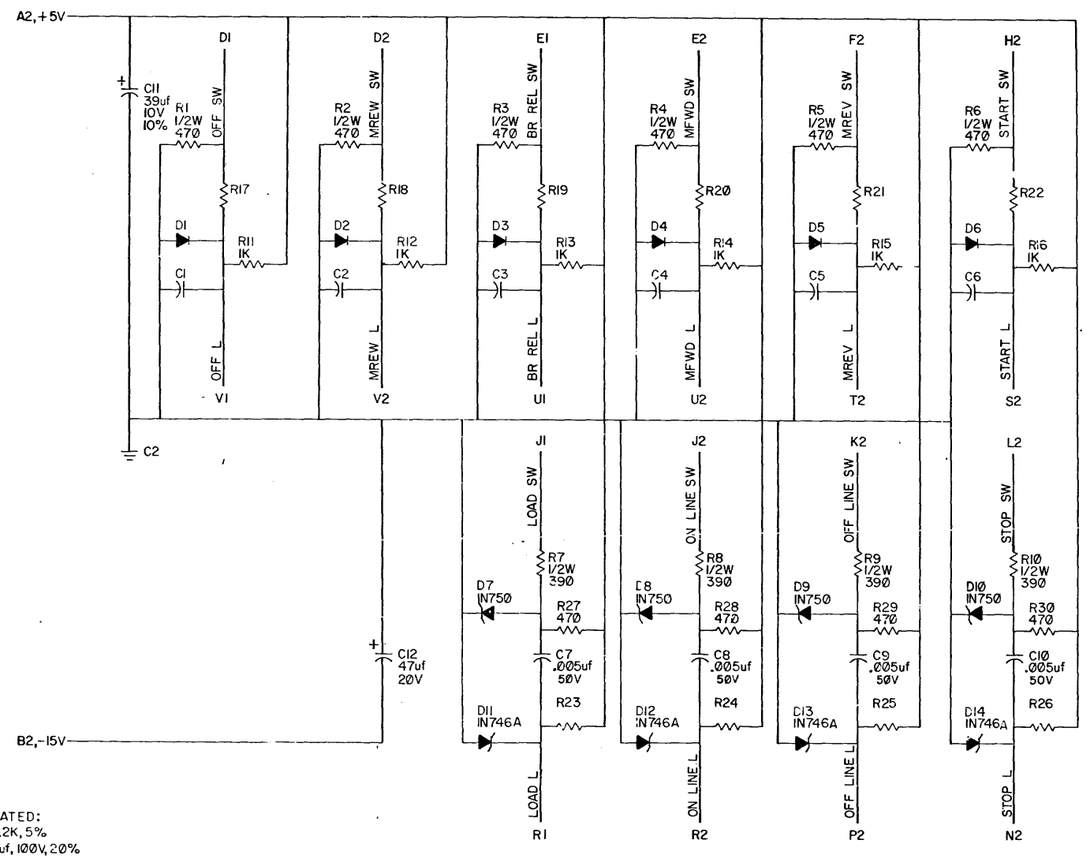
TITLE CAPSTAN POWER AMP

SIZE	CODE	NUMBER	REV
C	CS	H603-0-1	J

PRINTED CIRCUIT REV. H

SIZE C CODE CS NUMBER H603-0-1 REV J

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:
- RESISTORS ARE 1/4W, 1.2K, 5%
- CAPACITORS ARE .01uf, 100V, 20%
- DIODES ARE D003
- DIODES WHICH ARE IN750 ARE 4.7V
- DIODES WHICH ARE IN746 ARE 3.3V

REVISIONS			
CHK	CHG NO	REV	

DRN	jeanne french	DATE 7/28/70
CHK'D		DATE
ENG		DATE
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

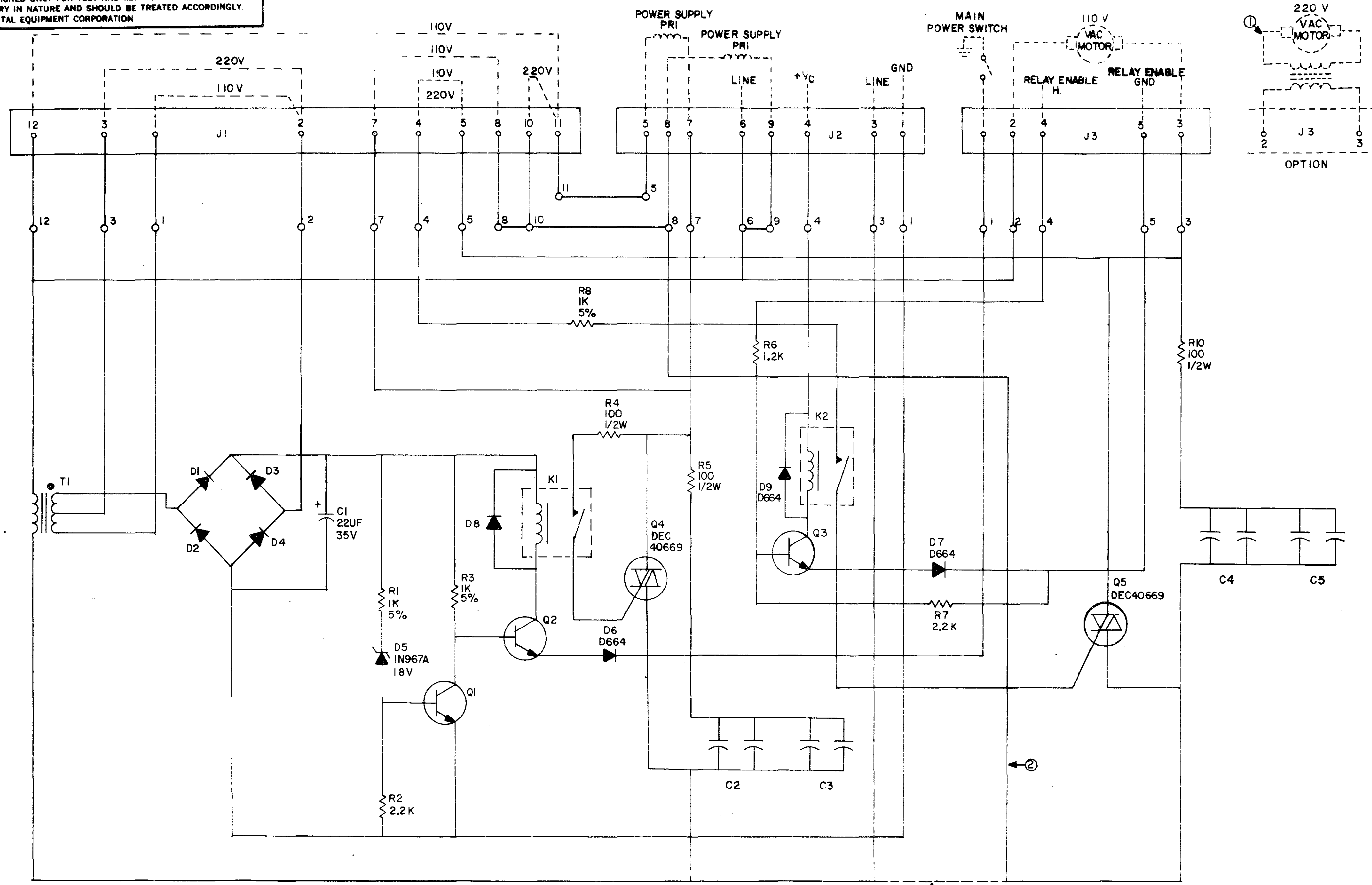
DEC	EIA	DEC	EIA
1N23	1N994		
746A	SAME		
750	SAME		

EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

SWITCH FILTER
W726

SIZE	CODE	NUMBER	REV
C	CS	W726-0-1	A

SIZE C | CODE CS | W726-0-NUMBER | REV A



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .02UF, DUAL, 1000V, 20%
RESISTORS ARE 1/4W, 10%
DIODES ARE D670
TRANSISTORS ARE MPS6531
K1, K2 ARE A COTO-COIL 40034 RELAY
T1 IS A TRA 1236 220V PRI-24V C.T. SEC
J1 IS A 15 PIN MATENLOCK SOCKET HOUSING 1209350—15
J2 IS A 12 PIN MATENLOCK SOCKET HOUSING 1209350—12
J3 IS A 6 PIN MATENLOCK SOCKET HOUSING 1209350—6
---- INDICATES EXTERNAL CONNECTIONS

NOTES:
① OPTION GOOD FOR 230V AND H730 TRANS, T9147-B ONLY.
② DELETE WIRE WHEN USING H730 WITH T9147-B TRANS.
③ ADD WIRE WHEN USED WITH T9147-B TRANS.

REV	ECO NO	CHK
C	00002	
D	00004	
E	00005	
F	00006	MORGANSTERN
H	00007	MORGANSTERN
J	00008	MORGANSTERN

DRN Nancy Moore	DATE 10/15/70	
CHK'D	DATE	
ENG. M. Morganstern/RPD	DATE 12/71/70	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	1N3606	MPS6531	MPS6531
D670	1N3653		
1N967	SAME		

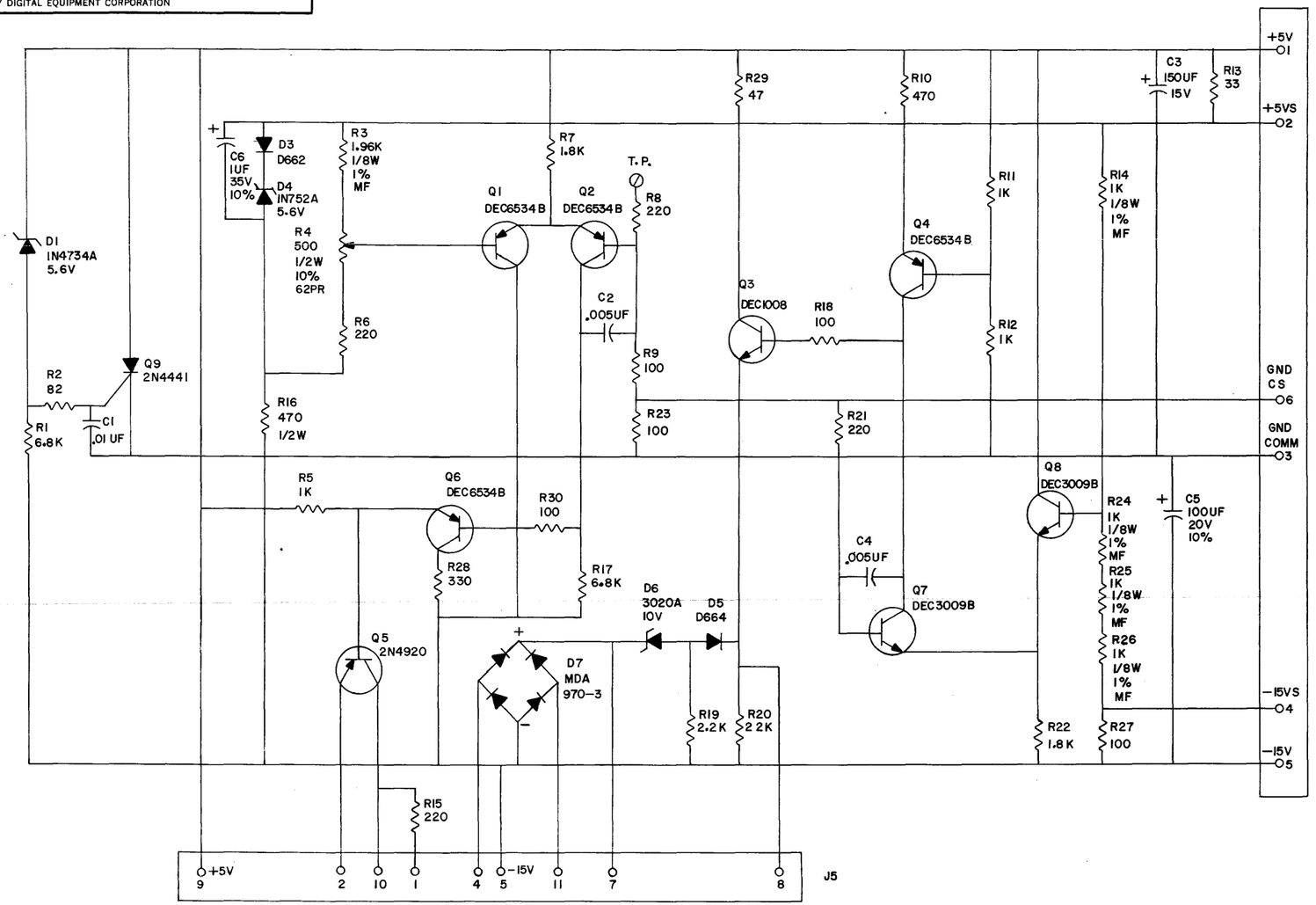
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE TU 10 POWER CONTROL 5408924

SIZE	CODE	NUMBER	REV
C	CS	5408924-0-1	J

PRINTED CIRCUIT REV. D

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE 100V, 20%
J1 = 6PIN MATE-N-LOCK CONNECTOR, 1209350-06
J2 = 12PIN MATE-N-LOCK CONNECTOR, 1209350-06
⊘ = SPLIT LUG

REVISIONS	CHK	CHG NO	REV
		00001	D
		00002	
		00003	E
		00004	F

DRN.	N.C. MOORE	DATE 1-18-71
CHK'D	K. Watson	DATE 2/19/71
ENG.	M. Weymouth	DATE 2/17/71
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC 1008	NONE	DEC3009B	2N3009
DEC6534B	MPS6534	IN4734A	SAME
D662	IN645	IN752A	SAME
D664	IN3606	2N4920	
3020A			

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: VOLTAGE REGULATOR 5408928

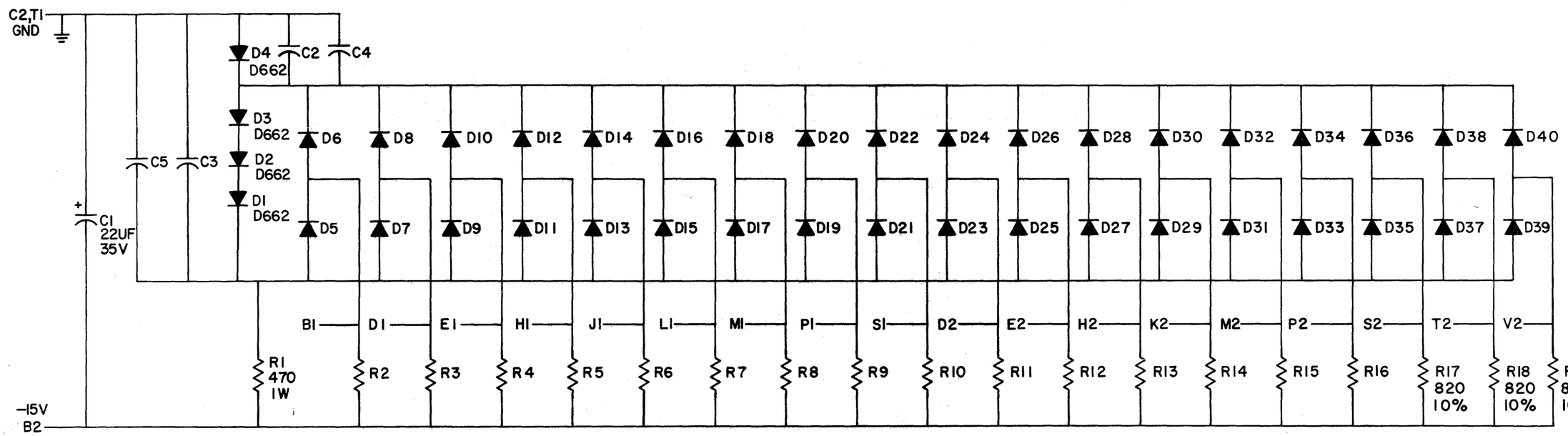
SIZE	CODE	NUMBER	REV.
C	CS	5408928-0-1	F

PRINTED CIRCUIT REV. D

REV. F | NUMBER 5408928 | SIZE C | CODE CS

DEC FORM NO. DRC 102

SIZE	CODE	NUMBER	REV.
B	CS	G741-0-1	B



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 3K, 1/2W, 5%
CAPACITORS ARE .01UF, 100V, 20%
DIODES ARE D664

G741-YA	820 ½W 10%	3K ½W 10%
VARIATION	R11	R17, R18

REVISIONS	CHK	CHG NO	REV
	WH	00001	B

		DATE
DRN	S. Cooper	11/4/70
CHK'D	R. Wahlin	11/25/70
ENG.	Jm Morgan	12/8/70
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
D662	IN645		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE TU10 NEGATIVE BUS TERMINATOR G741

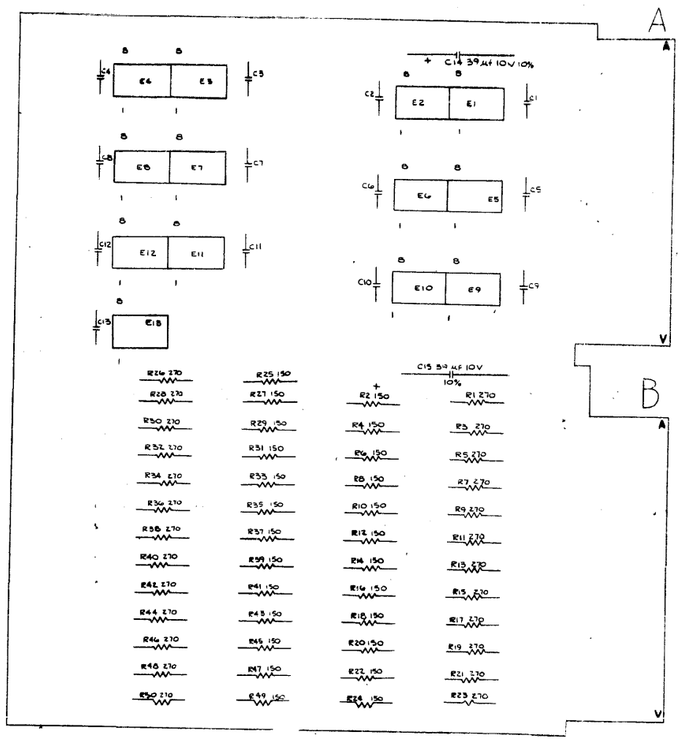
SIZE	CODE	NUMBER	REV.
B	CS	G741-0-1	B

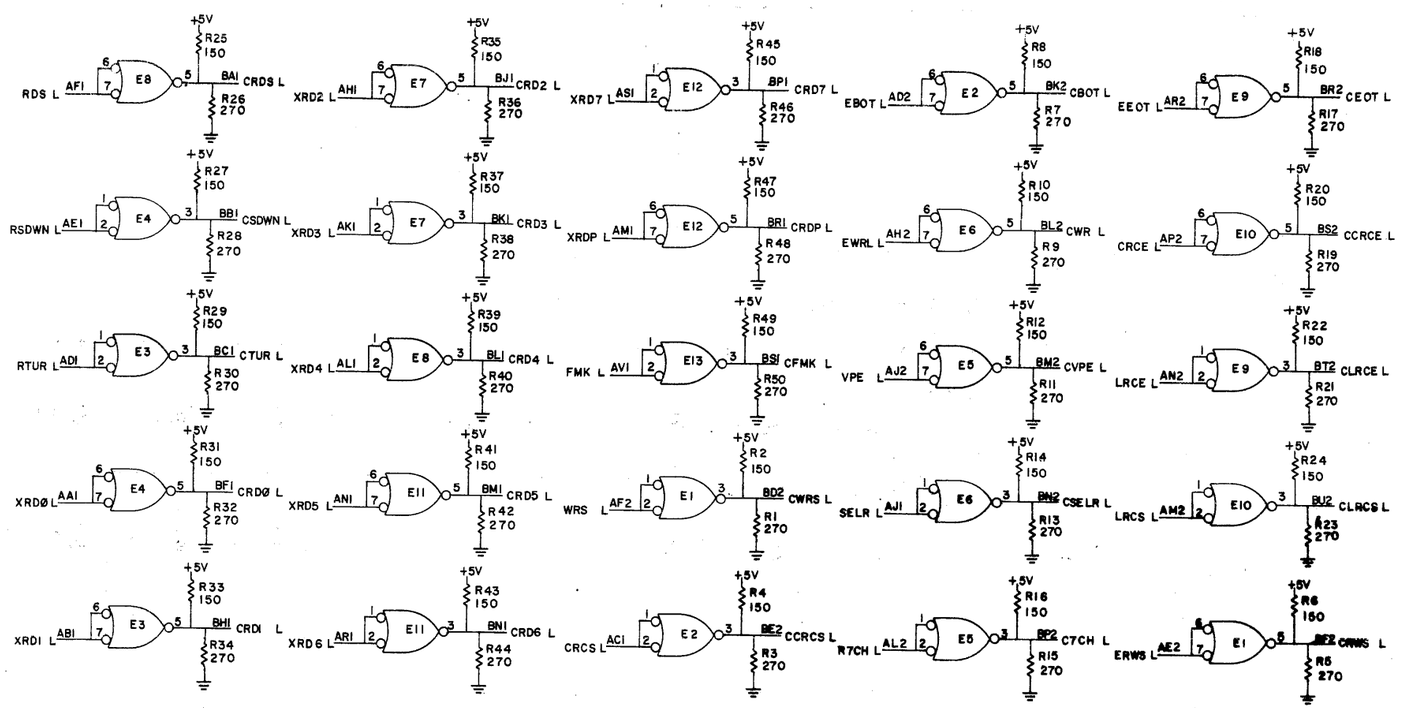
PRINTED CIRCUIT REV. C

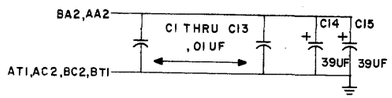
DEC FORM NO.
DRB 102

PDP-324-334-338-2

4 Pages







PIN 8= +5V
PIN 4= GND ON ALL IC'S

QTY	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM
		PARTS LIST		
		GRIPLET	1210244-0	12
13	E1 - E13	I.C. DEC 75451	1910406	11
4		EYELET #GS4-7	9006732	10
2		HANDLE, FLIP CHIP - MAGENTA	9008337-06	9
25	R1,3,5,7,9,11,13,15,17,19,21,23, [illegible]	RES. 270 ½W 5%	1301972	8
25	R2,4,6,8,10,12,14,16,18,20,22,24, [illegible]	RES. 150 ½W 5%	1300250	7
13	C1 - C13	CAP. .01UF 100V 20% DISC	1001610	6
2	C14, 15	CAP. 39UF 10V 10%	1000076	5
1		ETCHED CIRCUIT BOARD	5009575	4
		MODULE ECO HISTORY	B-MH-M640-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M640-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M640-0-4	1

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

REVISIONS

CHR	CHG NO	REV

DRN B. Hale DATE 4/23/71
CHK'D Maury Monet DATE 5-20-71
ENG. [illegible] DATE 5-24-71
PROJ. [illegible] DATE 7/15/71

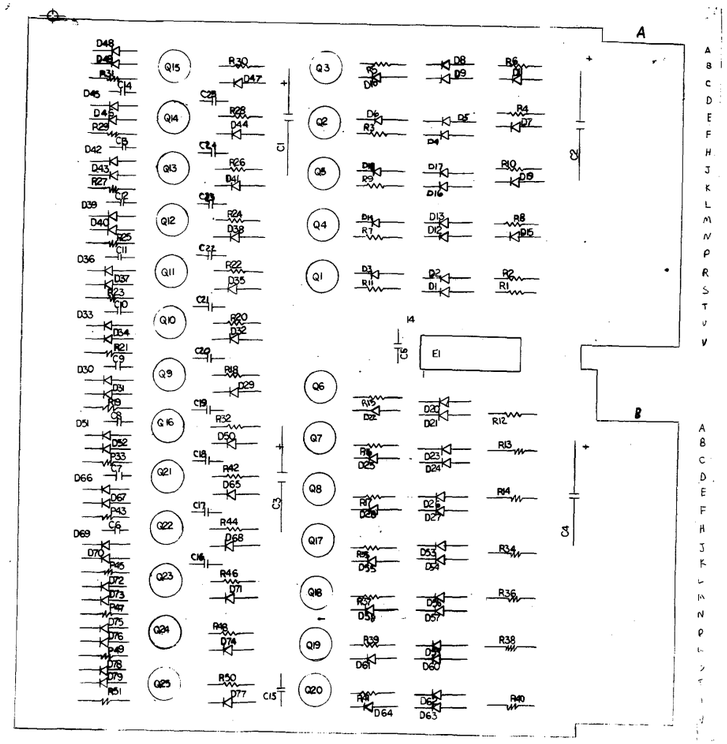
[redacted] EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE MASTER/INTERFACE BUS DRIVER
SIZE D | CODE CS | NUMBER M640-0-1 | REV. B
PRINTED CIRCUIT REV. C

DEC FORM NO. DAD 118

DIST. 324, 134, 488

B | M640-0-1 | CS | D



QTY	REF DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
		PARTS LIST		
		BOARD, FLIP CHIP - MAGENTA	9008337-06	17
4		EYELET #GS4-7	9006732	16
		GRIPLET	1210244-0	15
1	E1	I.C. DEC 7404	1909686	14
25	Q1 - Q25	TRANSISTOR DEC 3639B	1902762	13
25	R3,5,7,9,11,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51	RES. 6.8K ¼W 5%	1301423	12
1	R1	RES. 180 ¼W 5%	1301322	11
25	R2,4,6,8,10,12,14,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50	RES. 1.2K ¼W 5%	1301320	10
79	D1 - D79	DIODE D664	1100114	9
21	C5 - C25	CAP. .01UF 100V 20% DISC	1001610	8
4	C1 - C4	CAP. 39UF 20V 10% S. TANT	1005335	7
1		ETCHED CIRCUIT BOARD	5009568	6
		MODULE ECO HISTORY	B-MH-M7671-0-6	5
		ASSY/DRILLING HOLE LAYOUT	D-AH-M7671-0-5	4
		X-Y COORDINATE HOLE LOCATION	X-CO-M7671-0-4	3

PAGE 1 OF 2

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

REVISIONS

DRN.	DATE
J. Crofut	7/29/71
CHK'D	DATE
ENG.	DATE
	8/29/71
PROJ.	DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MASTER/SLAVE BUS DRIVER

SIZE	CODE	NUMBER	REV.
D	CS	M7671-0-1	A

PRINTED CIRCUIT REV. B

SIZE D | CODE CS | NUMBER M7671-0-1 | REV A

DEC FORM NO. DBD 118

+5V R20 — ZW0 L AU2 — D32 D33 D34 — AP1 BWD0 — Q10 — R21 6.8K — −15V

+5V R26 — ZW4 L AJ1 — D41 D42 D43 — AF1 BWD4 — Q13 — R27 6.8K — −15V

+5V R18 — ZW1 L BE1 — D29 D30 D31 — BC1 BWD 1 — Q9 — R19 6.8K — −15V

+5V R28 — ZW5 L AF2 — D44 D45 D46 — AD2 BWD5 — Q14 — R29 6.8K — −15V

+5V R22 — ZW2 L AN1 — D35 D36 D37 — AM1 BWD 2 — Q11 — R23 6.8K — −15V

+5V R30 — ZW6 L AD1 — D47 D48 D49 — AA1 BWD6 — Q15 — R31 6.8K — −15V

+5V R24 — ZW3 L AL1 — D38 D39 D40 — AK2 BWD3 — Q12 — R25 6.8K — −15V

+5V R32 — ZW7 L AS1 — D50 D51 D52 — BF2 BWD7 — Q16 — R33 6.8K — −15V

UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 UF, 100V, 20%
RESISTORS ARE 1.2K, 1/4W, 5%
DIODES ARE D664
IC IS DEC7404
PIN 7 = GND
PIN 14 = +5V
TRANSISTORS ARE DEC3639B

+5V AA2, BA2 — GND AC2, AT1, BC2 BT1 — −15V AB2 BB2

C5 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C2 30UF 20V 10% C3 30UF 20V 10%
C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C1 39UF 20V 10% C4 39UF 20V 10%

+5V R1 180 — SET F L AM2 — 9 E1 8 — EWRE L AE2 — D1 D2 D3 — AP2 B SET FL — Q1 — R11 6.8K — −15V

+5V R2 — EOFF L AC1 — D7 D4 D5 D6 — AE1 BWRS — Q2 — R3 6.8K — −15V

+5V R4 — EREW H AR1 — 11 E1 10 — D11 D8 D9 D10 — AB1 BWRL — Q3 — R5 6.8K — −15V

+5V R6 — EFOR H AS2 — 13 E1 12 — D15 D12 D13 D14 — AK1 BEOT — Q4 — R7 6.8K — −15V

+5V R8 — D19 D16 D17 D18 — AH1 B BOT — Q5 — R9 6.8K — −15V

+5V R10

+5V R46 — REL L BR1 — D71 D72 D73 — BN2 BRE L — Q23 — R47 6.8K — −15V

+5V R48 — ESEL2 L BT2 — D74 D75 D76 — BR2 BSEL2L — Q24 — R49 6.8K — −15V

+5V R50 — LRC STRB L BV1 — D77 D78 D79 — BU2 BLRCC — Q25 — R51 6.8K — −15V

+5V R40 — ESEL Ø L BU1 — D62 D63 D64 — BV2 BSELØ — Q20 — R41 6.8K — −15V

+5V R42 — MOVE L BH1 — D65 D66 D67 — BH2 B STOP — Q21 — R43 6.8K — −15V

+5V R44 — EMD H BL1 — D68 D69 D70 — BK1 BEMD — Q22 — R45 6.8K — −15V

+5V R34 — ESEL 1 L BM2 — D53 D54 D55 — BM1 BSEL1 — Q17 — R35 6.8K — −15V

+5V R36 — ACCL L BP1 — D56 D57 D58 — BN1 BALFA — Q18 — R37 6.8K — −15V

+5V R12 — E REV H AV1 — 1 E1 2 — D20 D21 D22 — BD1 BREV — Q6 — R15 6.8K — −15V

+5V R13 — EDEN 5H BA1 — 3 E1 4 — D23 D24 D25 — BF1 BDEN5 — Q7 — R16 6.8K — −15V

+5V R14 — EDEN 8 BB1 — 5 E1 6 — D26 D27 D28 — BJ1 BDEN 8 — Q8 — R17 6.8K — −15V

+5V R38 — ZWP L BS2 — D59 D60 D61 — BS1 BWDP — Q19 — R39 6.8K — −15V

REVISIONS | REV | CHN | CHG NO

DRN S. Cooper	DATE 2-12-71	
CHK'D	DATE	
ENG	DATE	
PROJ	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606	DEC3639B	NONE

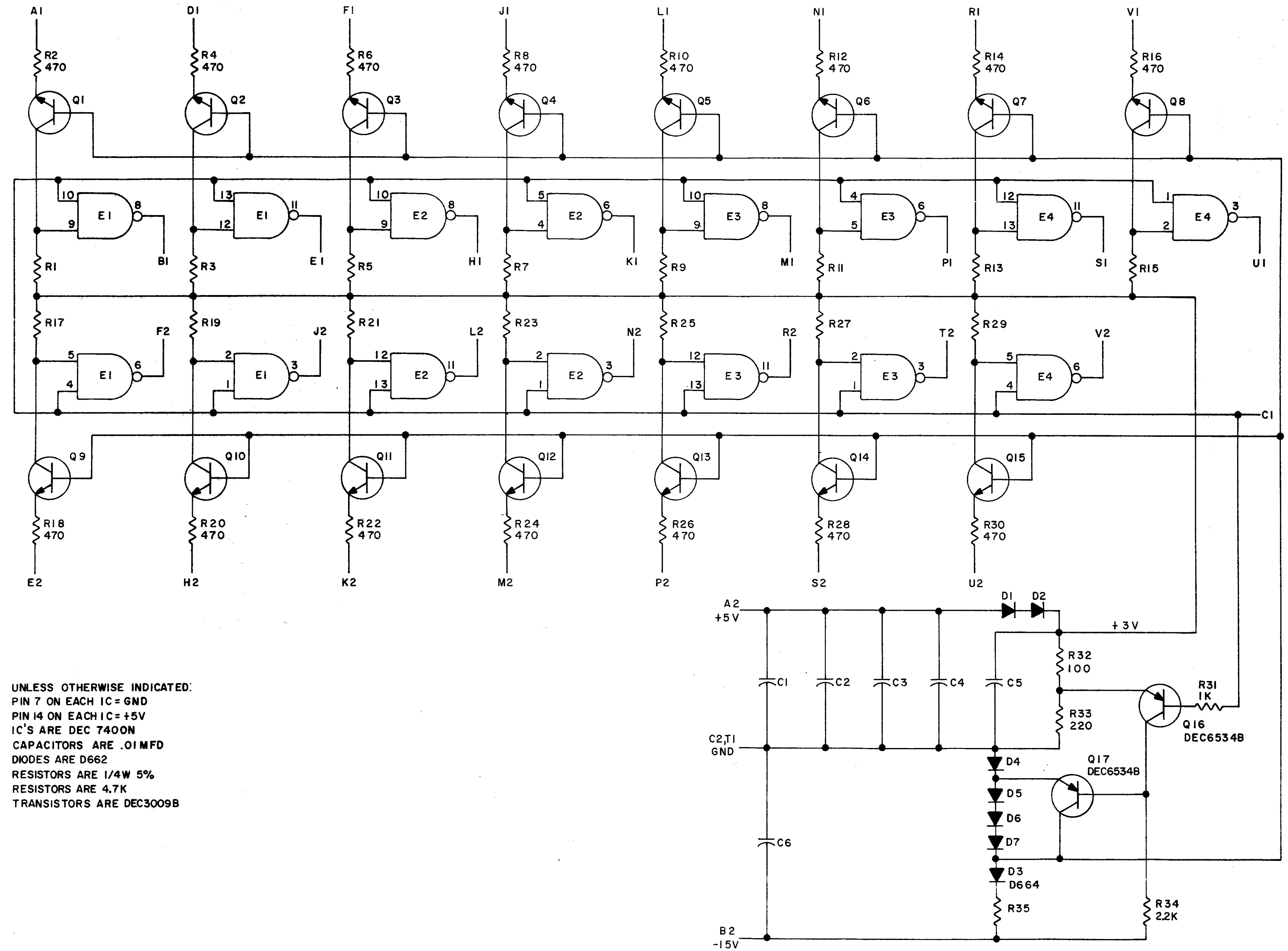
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: MASTER/SLAVE BUS DRIVER

SIZE	CODE	NUMBER	REV.
D	CS	M7671-0-1	A

PRINTED CIRCUIT REV B

DEC FORM NO. DBS 118



UNLESS OTHERWISE INDICATED:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
IC'S ARE DEC 7400N
CAPACITORS ARE .01 MFD
DIODES ARE D662
RESISTORS ARE 1/4W 5%
RESISTORS ARE 4.7K
TRANSISTORS ARE DEC3009B

REVISIONS		
REV	CHG NO.	CHK
B	10001	

DRN.		DATE 3-25-69
CHK'D M. Mo...		DATE 3/25/69
ENG.		DATE
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D662	IN645		
D664	IN3606		
DEC3009B	2N3009		
DEC6534B	MPS6534		

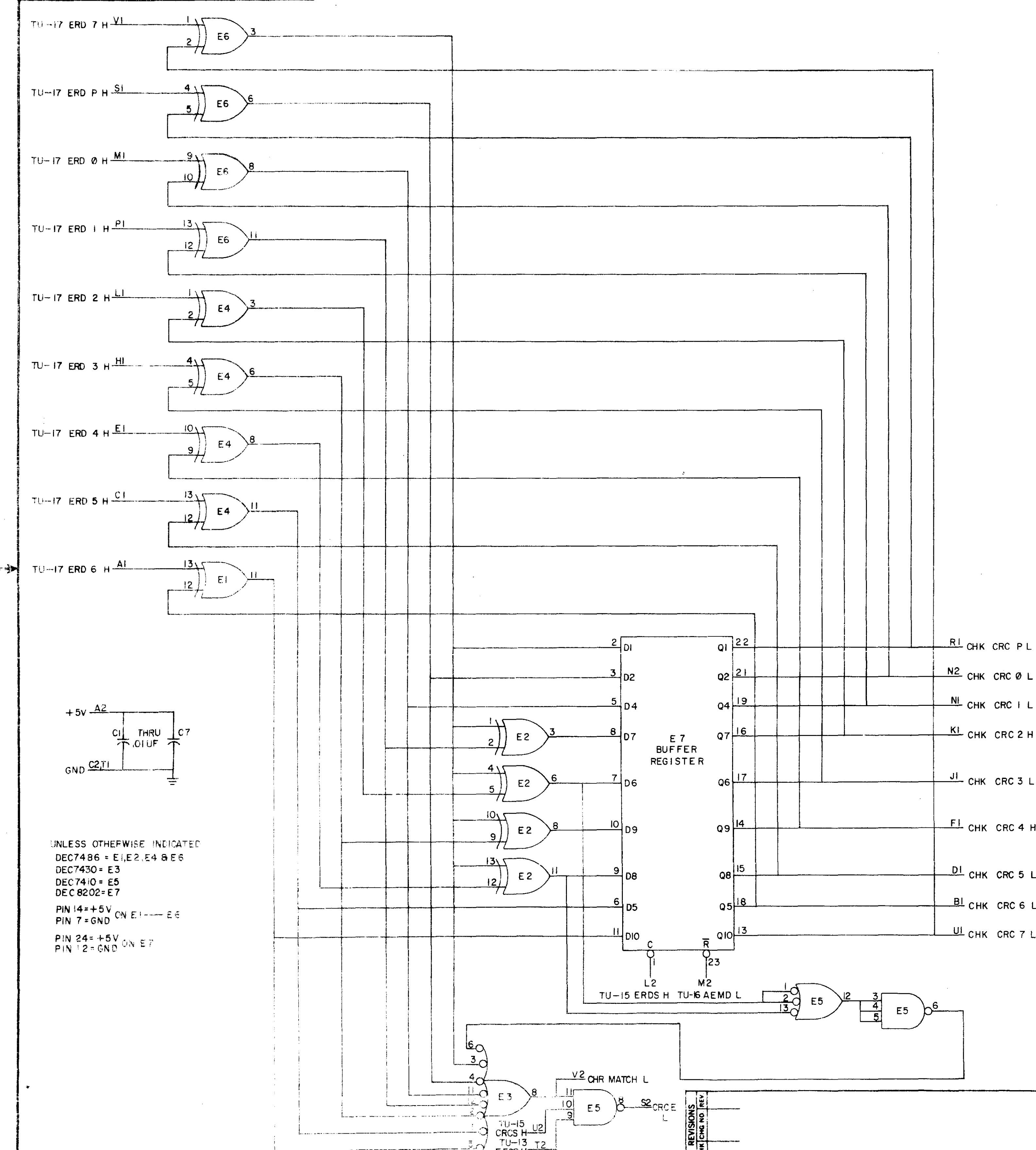
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE BUS DATA INTERFACE M100

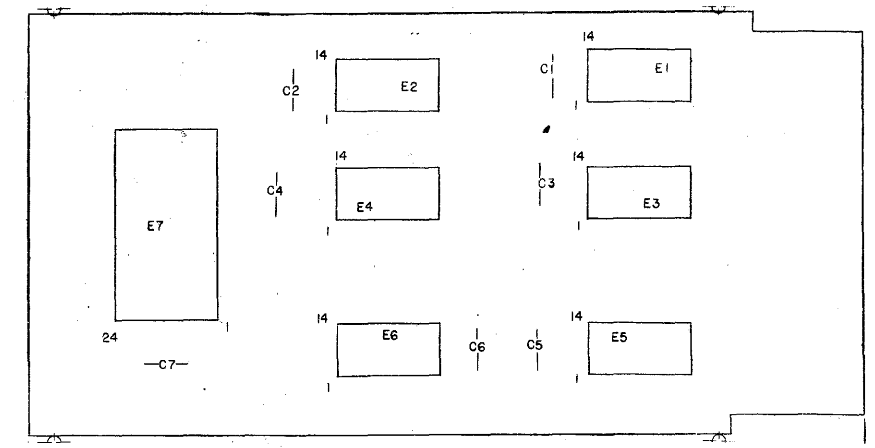
SIZE	CODE	NUMBER	REV
C	CS	M100-0-1	B

PRINTED CIRCUIT REV. A

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED
DEC7486 = E1,E2,E4 & E6
DEC7430 = E3
DEC7410 = E5
DEC8202 = E7
PIN 14 = +5V, PIN 7 = GND ON E1 ---- E6
PIN 24 = +5V, PIN 12 = GND ON E7



QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.	ITEM NO.
1		HANDLE, FLIP CHIP - MAGENTA	9008337-06	11
2		EYELET	9006732	10
1	E7	I.C. DEC 8202	1910275	9
4	E1, 2, 4, 6	I.C. DEC 7486	1910011	8
1	E3	I.C. DEC 7430	1905578	7
1	E5	I.C. DEC 7410	1905576	6
7	C1 - C7	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5009696	4
		MODULE ECO HISTORY	B-MH-M896-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-M896-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-M896-0-4	1

PARTS LIST

DRN	S. Cooper	DATE 8-20-71
CHK'D		DATE 8-25-71
ENG		DATE 9/1/71
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE CRC CHECKER

SIZE	CODE	NUMBER	REV.
D	CS	M896-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO.

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
TUIØA		PARTS LIST		

DRN.	DATE 5-3-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D.	DATE 5/3/72	
ENG.	DATE 5-3-72	TITLE WIRE LIST (TUIØA)
PROJ. ENG.	DATE 5-3-72	
PROD.	DATE 5-3-72	
NEXT HIGHER ASSEMBLY D-AD-7008795-0-0		SIZE K CODE WL NUMBER TUIØA-Ø-5 REV.
SCALE 1/1		DIST.
SHEET 1 OF 1		

REVISIONS	REV.	CHANGE NO.	CHK

DEC FORM NO.

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	E	C C	LOADING HIGH	LOW	AC	EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
556 CLK	H	A25N1		1-01	H	QKLT S	QKLAT	2	1					6-2/8	1
556 CLK	H	A14N1		1-02	H	QKLT S	QKLAT	2	2					5	1
556 CLK	H	B08A2		1-03	C	QKLT S	M904 C								1
556 CLK	H			1						Ø	Ø	Ø	Ø	11-2/8	1
800 CLK	H	A25N2		1-01	H	QKLT S	QKLAT	2	1					6-2/8	2
800 CLK	H	A14N2		1-02	H	QKLT S	QKLAT	2	2					5-2/8	2
800 CLK	H	B08B2		1-03	C	QKLT S	M904 C								2
800 CLK	H			1						Ø	Ø	Ø	Ø	11-4/8	2
GND A07K1	G	A07K1			G	QKLT S	M904 G								3
GND A07M1	G	A07M1			G	QKLT S	M904 G								4
GND A07M2	G	A07M2			G	QKLT S	M904 G								5
GND A07R1	G	A07R1			G	QKLT S	M904 G								6
GND A07R2	G	A07R2			G	QKLT S	M904 G								7
GND A07T2	G	A07T2			G	QKLT S	M904 G								8
GND A07U1	G	A07U1			G	QKLT S	M904 G								9
GND A07V2	G	A07V2			G	QKLT S	M904 G								10
GND A07X1	G	A07X1			G	QKLT S	M904 G								11
GND A07X2	G	A07X2			G	QKLT S	M904 G								12
GND A07Z1	G	A07Z1			G	QKLT S	M904 G								13
GND A07Z2	G	A07Z2			G	QKLT S	M904 G								14
GND A08K1	G	A08K1			G	QKLT S	M904 G								15
GND A08M1	G	A08M1			G	QKLT S	M904 G								16
GND A08M2	G	A08M2			G	QKLT S	M904 G								17
GND A08R1	G	A08R1			G	QKLT S	M904 G								18
GND A08R2	G	A08R2			G	QKLT S	M904 G								19
GND A08T2	G	A08T2			G	QKLT S	M904 G								20
GND A08U1	G	A08U1			G	QKLT S	M904 G								21
GND A08V2	G	A08V2			G	QKLT S	M904 G								22
GND A08X1	G	A08X1			G	QKLT S	M904 G								23
GND A08X2	G	A08X2			G	QKLT S	M904 G								24
GND A08Z1	G	A08Z1			G	QKLT S	M904 G								25

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	E	C C	LOADING HIGH	LOW	AC EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
GND A08Z	G	A08Z2			G	QKLT	S M904 G							26
GND A09K	G	A09K1			G	QKLT	S M904 G							27
GND A09M	G	A09M1			G	QKLT	S M904 G							28
GND A09M	G	A09M2			G	QKLT	S M904 G							29
GND A09R	G	A09R1			G	QKLT	S M904 G							30
GND A09R	G	A09R2			G	QKLT	S M904 G							31
GND A09T	G	A09T2			G	QKLT	S M904 G							32
GND A09U	G	A09U1			G	QKLT	S M904 G							33
GND A09V	G	A09V2			G	QKLT	S M904 G							34
GND A09X	G	A09X1			G	QKLT	S M904 G							35
GND A09X	G	A09X2			G	QKLT	S M904 G							36
GND A09Z	G	A09Z1			G	QKLT	S M904 G							37
GND A09Z	G	A09Z2			G	QKLT	S M904 G							38
GND A12L	G	A12L1			G	QKLT	S QKLAT G I8							39
GND A12N	G	A12N1			G	QKLT	S QKLAT G I8							40
GND A12R	G	A12R1			G	QKLT	S QKLAT G I8							41
GND A12T	G	A12T1			G	QKLT	S QKLAT G I8							42
GND A12V	G	A12V1			G	QKLT	S QKLAT G I8							43
GND A12X	G	A12X1			G	QKLT	S QKLAT G I8							44
GND A12Z	G	A12Z1			G	QKLT	S QKLAT G I8							45
GND A13K	G	A13K1			G	QKLT	S QKLAT G I8							46
GND A13L	G	A13L2			G	QKLT	S QKLAT G I8							47
GND A13M	G	A13M1			G	QKLT	S QKLAT G I8							48
GND A13N	G	A13N2			G	QKLT	S QKLAT G I8							49
GND A13P	G	A13P1			G	QKLT	S QKLAT G I8							50
GND A13R	G	A13R2			G	QKLT	S QKLAT G I8							51
GND A13S	G	A13S1			G	QKLT	S QKLAT G I8							52
GND A13T	G	A13T2			G	QKLT	S QKLAT G I8							53

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	E	C C	LOADING HIGH	LOW	AC EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
GND A13U	G	A13U1			G	QKLT	S QKLAT G I8							54
GND A13V	G	A13V2			G	QKLT	S QKLAT G I8							55
GND A13W	G	A13W1			G	QKLT	S QKLAT G I8							56
GND A13X	G	A13X2			G	QKLT	S QKLAT G I8							57
GND A13Y	G	A13Y1			G	QKLT	S QKLAT G I8							58
GND A13Z	G	A13Z2			G	QKLT	S QKLAT G I8							59
GND A14K	G	A14K2			G	QKLT	S QKLAT G I8							60
GND A14M	G	A14M2			G	QKLT	S QKLAT G I8							61
GND A14P	G	A14P2			G	QKLT	S QKLAT G I8							62
GND A14S	G	A14S2			G	QKLT	S QKLAT G I8							63
GND A14U	G	A14U2			G	QKLT	S QKLAT G I8							64
GND A14W	G	A14W2			G	QKLT	S QKLAT G I8							65
GND A14Y	G	A14Y2			G	QKLT	S QKLAT G I8							66
GND A15L	G	A15L1			G	QKLT	S QKLAT G I8							67
GND A15R	G	A15R1			G	QKLT	S QKLAT G I8							68
GND A15V	G	A15V1			G	QKLT	S QKLAT G I8							69
GND A15Z	G	A15Z1			G	QKLT	S QKLAT G I8							70
GND A23L	G	A23L1			G	QKLT	S QKLAT G I8							71
GND A23N	G	A23N1			G	QKLT	S QKLAT G I8							72
GND A23R	G	A23R1			G	QKLT	S QKLAT G I8							73
GND A23T	G	A23T1			G	QKLT	S QKLAT G I8							74
GND A23V	G	A23V1			G	QKLT	S QKLAT G I8							75
GND A23X	G	A23X1			G	QKLT	S QKLAT G I8							76
GND A23Z	G	A23Z1			G	QKLT	S QKLAT G I8							77
GND A24K	G	A24K1			G	QKLT	S QKLAT G I8							78
GND A24L	G	A24L2			G	QKLT	S QKLAT G I8							79
GND A24M	G	A24M1			G	QKLT	S QKLAT G I8							82
GND A24N	G	A24N2			G	QKLT	S QKLAT G I8							83

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE	FLAG	E	C	LOADING C HIGH	LOW	AC EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
GND A24P1	G	A24P1			G	QKLT	S QKLAT	G I8							82
GND A24R2	G	A24R2			G	QKLT	S QKLAT	G I8							83
GND A24S1	G	A24S1			G	QKLT	S QKLAT	G I8							84
GND A24T2	G	A24T2			G	QKLT	S QKLAT	G I8							85
GND A24U1	G	A24U1			G	QKLT	S QKLAT	G I8							86
GND A24V2	G	A24V2			G	QKLT	S QKLAT	G I8							87
GND A24W1	G	A24W1			G	QKLT	S QKLAT	G I8							88
GND A24X2	G	A24X2			G	QKLT	S QKLAT	G I8							89
GND A24Y1	G	A24Y1			G	QKLT	S QKLAT	G I8							90
GND A24Z2	G	A24Z2			G	QKLT	S QKLAT	G I8							91
GND A25K2	G	A25K2			G	QKLT	S QKLAT	G I8							92
GND A25M2	G	A25M2			G	QKLT	S QKLAT	G I8							93
GND A25P2	G	A25P2			G	QKLT	S QKLAT	G I8							94
GND A25S2	G	A25S2			G	QKLT	S QKLAT	G I8							95
GND A25U2	G	A25U2			G	QKLT	S QKLAT	G I8							96
GND A25W2	G	A25W2			G	QKLT	S QKLAT	G I8							97
GND A25Y2	G	A25Y2			G	QKLT	S QKLAT	G I8							98
GND A26L1	G	A26L1			G	QKLT	S QKLAT	G I8							99
GND A26R1	G	A26R1			G	QKLT	S QKLAT	G I8							100
GND A26V1	G	A26V1			G	QKLT	S QKLAT	G I8							101
GND A26Z1	G	A26Z1			G	QKLT	S QKLAT	G I8							102
GND B07C2	G	B07B1		1-01		QKLT	S M904	I						0-1/8	103
GND B07C2	G	B07C2		1-02	G	QKLT	S M904	G							103
GND B07C2	G			1							0	0	0 0	0-1/8	103
GND B08C2	G	B08B1		1-01		QKLT	S M904	I						0-1/8	104
GND B08C2	G	B08C2		1-02	G	QKLT	S M904	G							104
GND B08C2	G			1							0	0	0 0	0-1/8	104
GND B09C2	G	B09B1		1-01		QKLT	S M904	I						0-1/8	105
GND B09C2	G	B09C2		1-02	G	QKLT	S M904	G							105
GND B09C2	G			1							0	0	0 0	0-1/8	105
GND B12B1	G	B12B1			G	QKLT	S QKLAT	G I8							106

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE	FLAG	E	C	LOADING C HIGH	LOW	AC EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
GND B13A1	G	B13A1			G	QKLT	S QKLAT	G I8							107
GND B13B2	G	B13B2			G	QKLT	S QKLAT	G I8							108
GND B14A2	G	B14A2			G	QKLT	S QKLAT	G I8							109
GND B23B1	G	B23B1			G	QKLT	S QKLAT	G I8							110
GND B24A1	G	B24A1			G	QKLT	S QKLAT	G I8							111
GND B24B2	G	B24B2			G	QKLT	S QKLAT	G I8							112
GND B25A2	G	B25A2			G	QKLT	S QKLAT	G I8							113
SPARE 1		A25V1		1-01	H	QKLT	S QKLAT		2	I				6-2/8	114
SPARE 1		A14V1		1-02	H	QKLT	S QKLAT		2	2				3-6/8	114
SPARE 1		B09A2		1-03	C	QKLT	S M904	C							114
SPARE 1				1							0	0	0 0	10-0/8	114
SPARE 2		A25V2		1-01	H	QKLT	S QKLAT		2	I				6-2/8	115
SPARE 2		A14V2		1-02	H	QKLT	S QKLAT		2	2				4	115
SPARE 2		B09B2		1-03	C	QKLT	S M904	C							115
SPARE 2				1							0	0	0 0	10-2/8	115
SPARE 3		A26U1		1-01	H	QKLT	S QKLAT		2	I				6-2/8	116
SPARE 3		A12U1		1-02	H	QKLT	S QKLAT		2	2				4-4/8	116
SPARE 3		B09D2		1-03	C	QKLT	S M904	C							116
SPARE 3				1							0	0	0 0	10-6/8	116
[illegible]	1H	A23P1		1-01	H	QKLT	S QKLAT		2	I				6-2/8	117
[illegible]	1H	A12P1		1-02	H	QKLT	S QKLAT		2	2				3	117
[illegible]	1H	A07N2		1-03	C	QKLT	S M904	C							117
[illegible]	1H			1							0	0	0 0	9-2/8	117
[illegible]	L	A26P1		1-01	H	QKLT	S QKLAT		2	I				6-2/8	118
[illegible]	L	A15P1		1-02	H	QKLT	S QKLAT		2	2				6	118
[illegible]	L	B07D2		1-03	C	QKLT	S M904	C							118
[illegible]	L			1							0	0	0 0	12-2/8	118
TH 23B	H	A23U2		1-01	H	QKLT	S QKLAT		2	I				6-2/8	119
TH 23B	H	A12U2		1-02	H	QKLT	S QKLAT		2	2				2-3/8	119
TH 23B	H	A09N2		1-03	C	QKLT	S M904	C							119
TH 23B	H			1							0	0	0 0	8-5/8	119
TH 55B	H	A23U2		1-01	H	QKLT	S QKLAT		2	I				6-2/8	120
TH 55B	H	A12U2		1-02	H	QKLT	S QKLAT		2	2				2-6/8	120
TH 55B	H	A09P2		1-03	C	QKLT	S M904	C							120
TH 55B	H			1							0	0	0 0	9-0/8	120
TH 70H	H	A25M1		1-01	H	QKLT	S QKLAT		2	I				6-2/8	121
TH 70H	H	A14M1		1-02	H	QKLT	S QKLAT		2	2				4-6/8	121
TH 70H	H	A08Y2		1-03	C	QKLT	S M904	C							121
TH 70H	H			1							0	0	0 0	11-0/8	121

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	E	C C	LOADING HIGH	LOW	AC	EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
TB 800	H	A23V2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	122
TB 800	H	A12V2		1-02	H	QKLT	S QKLAT	2	2					2-6/8	122
TB 800	H	A09S2		1-03	C	QKLT	S M904 C								122
TB 800	H			1						0	0	0	0	9-0/8	122
TB EN MOTION DLY (B)	L	A25R2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	123
TB EN MOTION DLY (B)	L	A14R2		1-02	H	QKLT	S QKLAT	2	2					5-4/8	123
TB EN MOTION DLY (B)	L	B07B2		1-03	C	QKLT	S M904 C								123
TB EN MOTION DLY (B)	L			1						0	0	0	0	11-6/8	123
TB FWD/80*	H	A23M2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	124
TB FWD/80*	H	A12M2		1-02	H	QKLT	S QKLAT	2	2					3	124
TB FWD/80*	H	A08P2		1-03	C	QKLT	S M904 C								124
TB FWD/80*	H			1						0	0	0	0	9-2/8	124
TB MOVE (B)	H	A24P2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	125
TB MOVE (B)	H	A13P2		1-02	H	QKLT	S QKLAT	2	2					4-4/8	125
TB MOVE (B)	H	A07W2		1-03	C	QKLT	S M904 C								125
TB MOVE (B)	H			1						0	0	0	0	10-6/8	125
TB R 0/0	1H	A26S1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	126
TB R 0/0	1H	A15S1		1-02	H	QKLT	S QKLAT	2	2					5-2/8	126
TB R 0/0	1H	B08A1		1-03	C	QKLT	S M904 C								126
TB R 0/0	1H			1						0	0	0	0	11-4/8	126
TB R 0/1	1H	A25T2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	127
TB R 0/1	1H	A14T2		1-02	H	QKLT	S QKLAT	2	2					4-6/8	127
TB R 0/1	1H	A08Y1		1-03	C	QKLT	S M904 C								127
TB R 0/1	1H			1						0	0	0	0	11-0/8	127
TB R 1/7	1H	A25S1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	128
TB R 1/7	1H	A14S1		1-02	H	QKLT	S QKLAT	2	2					4	128
TB R 1/7	1H	A08V1		1-03	C	QKLT	S M904 C								128
TB R 1/7	1H			1						0	0	0	0	10-2/8	128
TB R 2/6	1H	A24S2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	129
TB R 2/6	1H	A13S2		1-02	H	QKLT	S QKLAT	2	2					3-4/8	129
TB R 2/6	1H	A08T1		1-03	C	QKLT	S M904 C								129
TB R 2/6	1H			1						0	0	0	0	9-6/8	129
TB R 4/5	1H	A24T1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	130
TB R 4/5	1H	A13T1		1-02	H	QKLT	S QKLAT	2	2					3-4/8	130
TB R 4/5	1H	A08S1		1-03	C	QKLT	S M904 C								130
TB R 4/5	1H			1						0	0	0	0	9-6/8	130
TB R 8/4	1H	A23T2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	131
TB R 8/4	1H	A12T2		1-02	H	QKLT	S QKLAT	2	2					3-4/8	131
TB R 8/4	1H	A08P1		1-03	C	QKLT	S M904 C								131
TB R 8/4	1H			1						0	0	0	0	9-6/8	131
TB R A/3	1H	A23S2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	132
TB R A/3	1H	A12S2		1-02	H	QKLT	S QKLAT	2	2					3-2/8	132
TB R A/3	1H	A08N1		1-03	C	QKLT	S M904 C								132
TB R A/3	1H			1						0	0	0	0	9-4/8	132

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	E	C C	LOADING HIGH	LOW	AC	EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
TB R B/2	1H	A23S1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	133
TB R B/2	1H	A12S1		1-02	H	QKLT	S QKLAT	2	2					3-2/8	133
TB R B/2	1H	A08L1		1-03	C	QKLT	S M904 C								133
TB R B/2	1H			1						0	0	0	0	9-4/8	133
TB R PARITY	1H	A25T1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	134
TB R PARITY	1H	A14T1		1-02	H	QKLT	S QKLAT	2	2					4-2/8	134
TB R PARITY	1H	A08W1		1-03	C	QKLT	S M904 C								134
TB R PARITY	1H			1						0	0	0	0	10-4/8	134
TB READ SKEW OVER	H	A26M1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	135
TB READ SKEW OVER	H	A15M1		1-02	H	QKLT	S QKLAT	2	2					5-6/8	135
TB READ SKEW OVER	H	B08D2		1-03	C	QKLT	S M904 C								135
TB READ SKEW OVER	H			1						0	0	0	0	12-0/8	135
TB REWIND/EOT	H	A23N2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	136
TB REWIND/EOT	H	A12N2		1-02	H	QKLT	S QKLAT	2	2					3-2/8	136
TB REWIND/EOT	H	A08S2		1-03	C	QKLT	S M904 C								136
TB REWIND/EOT	H			1						0	0	0	0	9-4/8	136
TB SEL 0 (B)	H	A23P2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	137
TB SEL 0 (B)	H	A12P2		1-02	H	QKLT	S QKLAT	2	2					3-2/8	137
TB SEL 0 (B)	H	A07P2		1-03	C	QKLT	S M904 C								137
TB SEL 0 (B)	H			1						0	0	0	0	9-4/8	137
TB SEL 1 (B)	H	A23R2		1-01	H	QKLT	S QKLAT	2	1					6-2/8	138
TB SEL 1 (B)	H	A12R2		1-02	H	QKLT	S QKLAT	2	2					3-4/8	138
TB SEL 1 (B)	H	A07S2		1-03	C	QKLT	S M904 C								138
TB SEL 1 (B)	H			1						0	0	0	0	9-6/8	138
TB SEL 2 (B)	H	A24R1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	139
TB SEL 2 (B)	H	A13R1		1-02	H	QKLT	S QKLAT	2	2					4	139
TB SEL 2 (B)	H	A07U2		1-03	C	QKLT	S M904 C								139
TB SEL 2 (B)	H			1						0	0	0	0	10-2/8	139
TB SET DWN (B)	H	A24V1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	140
TB SET DWN (B)	H	A13V1		1-02	H	QKLT	S QKLAT	2	2					2-6/8	140
TB SET DWN (B)	H	A09U2		1-03	C	QKLT	S M904 C								140
TB SET DWN (B)	H			1						0	0	0	0	9-0/8	140
TB SP REV	H	A23M1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	141
TB SP REV	H	A12M1		1-02	H	QKLT	S QKLAT	2	2					2-4/8	141
TB SP REV	H	A08N2		1-03	C	QKLT	S M904 C								141
TB SP REV	H			1						0	0	0	0	8-6/8	141
TB START (B)	H	A25P1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	142
TB START (B)	H	A14P1		1-02	H	QKLT	S QKLAT	2	2					5	142
TB START (B)	H	A07Y2		1-03	C	QKLT	S M904 C								142
TB START (B)	H			1						0	0	0	0	11-2/8	142
TB START DLY	L	A25U1		1-01	H	QKLT	S QKLAT	2	1					6-2/8	143
TB START DLY	L	A14U1		1-02	H	QKLT	S QKLAT	2	2					3-4/8	143
TB START DLY	L	A09Y2		1-03	C	QKLT	S M904 C								143
TB START DLY	L			1						0	0	0	0	9-6/8	143

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG		E	C C	LOADING HIGH	LOW	AC	EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
TB TUR (B)	H	A24U2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	144
TB TUR (B)	H	A13U2		1-02	H	QKLT	S QKLAT	2	2						3	144
TB TUR (B)	H	A09W2		1-03	C	QKLT	S M904 C									144
TB TUR (B)	H			1							0	0	0	0	9-2/8	144
TB UNLOAD/WRL	H	A24N1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	145
TB UNLOAD/WRL	H	A13N1		1-02	H	QKLT	S QKLAT	2	2						3-6/8	145
TB UNLOAD/WRL	H	A08U2		1-03	C	QKLT	S M904 C									145
TB UNLOAD/WRL	H			1							0	0	0	0	10-0/8	145
TB WRITE LPCC (B)	H	A25R1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	146
TB WRITE LPCC (B)	H	A14R1		1-02	H	QKLT	S QKLAT	2	2						5-2/8	146
TB WRITE LPCC (B)	H	B07A2		1-03	C	QKLT	S M904 C									146
TB WRITE LPCC (B)	H			1							0	0	0	0	11-4/8	146
TB WRITING/RWS	H	A24M2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	147
TB WRITING/RWS	H	A13M2		1-02	H	QKLT	S QKLAT	2	2						4-2/8	147
TB WRITING/RWS	H	A08W2		1-03	C	QKLT	S M904 C									147
TB WRITING/RWS	H			1							0	0	0	0	10-4/8	147
WD 0/0	1H	A26K1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	148
WD 0/0	1H	A15K1		1-02	H	QKLT	S QKLAT	2	2						6-4/8	148
WD 0/0	1H	B07A1		1-03	C	QKLT	S M904 C									148
WD 0/0	1H			1							0	0	0	0	12-6/8	148
WD 0/1	1H	A25L2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	149
WD 0/1	1H	A14L2		1-02	H	QKLT	S QKLAT	2	2						6	149
WD 0/1	1H	A07Y1		1-03	C	QKLT	S M904 C									149
WD 0/1	1H			1							0	0	0	0	12-2/8	149
WD 1/7	1H	A25K1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	150
WD 1/7	1H	A14K1		1-02	H	QKLT	S QKLAT	2	2						5-2/8	150
WD 1/7	1H	A07V1		1-03	C	QKLT	S M904 C									150
WD 1/7	1H			1							0	0	0	0	11-4/8	150
WD 2/6	1H	A24K2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	151
WD 2/6	1H	A13K2		1-02	H	QKLT	S QKLAT	2	2						4-6/8	151
WD 2/6	1H	A07T1		1-03	C	QKLT	S M904 C									151
WD 2/6	1H			1							0	0	0	0	11-0/8	151
WD 4/5	1H	A24L1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	152
WD 4/5	1H	A13L1		1-02	H	QKLT	S QKLAT	2	2						4-4/8	152
WD 4/5	1H	A07S1		1-03	C	QKLT	S M904 C									152
WD 4/5	1H			1							0	0	0	0	10-6/8	152
WD 8/4	1H	A23L2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	153
WD 8/4	1H	A12L2		1-02	H	QKLT	S QKLAT	2	2						4	153
WD 8/4	1H	A07P1		1-03	C	QKLT	S M904 C									153
WD 8/4	1H			1							0	0	0	0	10-2/8	153
WD A/3	1H	A23K2		1-01	H	QKLT	S QKLAT	2	1						6-2/8	154
WD A/3	1H	A12K2		1-02	H	QKLT	S QKLAT	2	2						3-6/8	154
WD A/3	1H	A07N1		1-03	C	QKLT	S M904 C									154
WD A/3	1H			1							0	0	0	0	10-0/8	154

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG		E	C C	LOADING HIGH	LOW	AC	EXTRA	LENGTH EXCEPTIONS	RUN NUMBER
WD B/2	1H	A23K1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	155
WD B/2	1H	A12K1		1-02	H	QKLT	S QKLAT	2	2						3-2/8	155
WD B/2	1H	A07L1		1-03	C	QKLT	S M904 C									155
WD B/2	1H			1							0	0	0	0	9-4/8	155
WD PARITY	1H	A25L1		1-01	H	QKLT	S QKLAT	2	1						6-2/8	156
WD PARITY	1H	A14L1		1-02	H	QKLT	S QKLAT	2	2						5-4/8	156
WD PARITY	1H	A07W1		1-03	C	QKLT	S M904 C									156
WD PARITY	1H			1							0	0	0	0	11-6/8	156