

DEC-11-HTCA-D

TC11
DECtape system
engineering drawings

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TC11 ENGINEERING DRAWINGS

Drawing	Sheets	Description	Drawing	Sheets	Description
A-ML-TC11-0	2	DECTape Control Master List	D-BS-TC11-0-18	1	Output Gating 2
D-UA-TC11-0-0	3	DECTape Control	D-BS-TC11-0-19	1	Address Selection & Interrupt Control
A-PL-TC11-0-0	1	DECTape Control (Parts List)	D-IC-TC11-0-20	1	Bus Connectors
D-DI-TC11-0-32	2	Drawing Index List	D-BS-TC11-0-21	1	Bus Address Register (TCBA)
D-AD-7007048-0-0	1	Wired Assembly	D-BS-TC11-0-22	1	Word Count Register (TCWC)
A-PL-7007408-0-0	1	Wired Assembly (Parts List)	D-BS-TC11-0-23	1	TC11 Control Panel
D-MU-TC11-0-0	2	Module Utilization	D-BS-TC11-0-24	1	DECTape Timing
A-PL-TC11-0-01	2	Module Utilization (Parts List)	D-BS-TC11-0-25	1	TC11 Slave Response
			D-BS-TC11-0-26	1	Ready and Error Sequence
D-BS-TC11-0-02	1	DECTape Control Control	D-BS-TC11-0-27	1	NPR Transfer – DATI
D-BS-TC11-0-03	1	DECTape Control Errors	D-TD-TC11-0-28	1	NPR Transfer – DATO
D-BS-TC11-0-04	1	DECTape Control TP, UPS, Motion Control	K-WL-TC11-0-30 (complete)	1	Wire List
D-BS-TC11-0-05	1	DECTape Control			
D-BS-TC11-0-06	1	RWB and LPB	C-CS-M105-0-1	1	Address Selector
D-BS-TC11-0-07	1	Mark Track Decoder	D-CS-M228-0-1	1	Mark Track Decoder
D-BS-TC11-0-08	1	NPR Control	D-CS-M239-0-1	1	Three 4-Bit Counter/Registers
D-BS-TC11-0-09	1	Register Control	D-CS-M7820-0-1	1	Interrupt Control Module
D-BS-TC11-0-10	1	Slave Response & Maintenance Bits	B-CS-M783-0-1	1	Unibus Transmitter
D-BS-TC11-0-11	1	Command Register	D-CS-M795-0-1	1	Word Count & Bus Address Register
D-BS-TC11-0-12	1	TU56 Connections	D-CS-M796-0-1	1	Unibus Master Control
D-BS-TC11-0-13	1	Unibus Drivers and Receivers	C-CS-M798-0-1	1	Unibus Drivers
D-BS-TC11-0-14	1	Data Register 1	B-CS-G879-0-1	1	Transport Detector
D-BS-TC11-0-15	1	Data Register 2	B-CS-G888-0-1	1	Manchester Read/Write Amplifier
D-BS-TC11-0-16	1	Data Register 3	B-CS-854-0-1	1	Power Control
D-BS-TC11-0-17	1	Output Gating 1			

↑

DRA 103

DEC FOR
DRA 103

ADDITIONAL CUSTOMER PRINTS			
Drawing Number		Rev. Let.	Title
D-CS-M796-0-1		A	UNIBUS MASTER CONTROL
D-CS-M795-0-1		A	WC AND CMA MODULE
C-CS-M798-0-1			UNIBUS DRIVERS
B-CS-M783-0-1			UNIBUS DRIVERS
D-CS-M228-0-1			MARK TRACK DECODER
D-CS-M239-0-1			THREE "4" BIT CONVERTER REGISTER
B-CS-854-0-1		RA	POWER CONTROL
B-CS-G879-0-1			TRANSPORT DETECTOR
D-CS-M7821-0-1			INTERRUPT CONTROL

Rev.	Date	Change Number	
L	5-31-72	TC11-00012	Paul E. Janson 11-25-70 Requested by Date Paul E. Janson 11-25-70 Authorized by Date 3 of 3 A-ML-TC11-0 Rev. ☐

2	SIZE 3000	UA TC11-0-0	NUMBER	0-0	REV C
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FIRST USED ON OPTION/MODEL
PDP11

QTY.	DESCRIPTION				PART NO.		ITEM NO.	
PARTS LIST								
DRAWN	DATE		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS					
CHK'D	DATE		TITLE DEC TAPE CONTROL (TC11)					
ENG.	DATE							
PROD. ENG.	DATE							
PROD.	DATE							
NEXT HIGHER ASSY A-M-L TC11 - 0								
SCALE	NONE		SIZE CODE	NUMBER		REV.		
SHEET	1 OF 3		DUAL	TC11-0-0		C		
DIST.								

PDP-11 BLANK LOGO
D-IA-7407936-1

- SEE NOTE 6

NOTES:

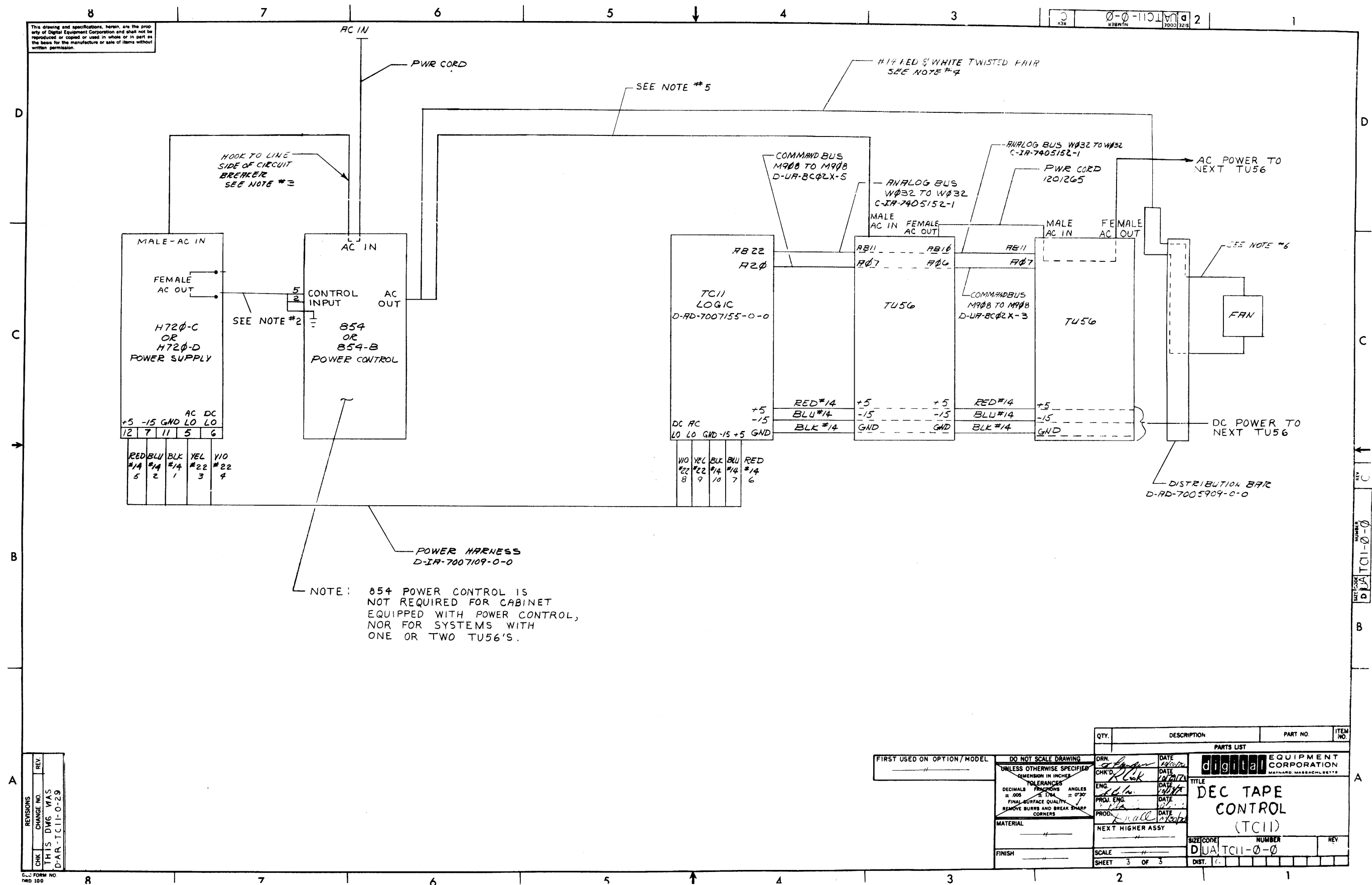
1. FOR SYSTEM WIRING INFORMATION
SEE SHEET #3
2. REMOVE FEMALE PLUG FROM POWER
CORD (#1201265) & ATTACH (2) SOLDERLESS
CONN #50364 ARKLESS (9007928) & (1)
SOLDERLESS CONN #50325 ARKLESS
(9007927) TO GND WIRE. GND WIRE IS
ATTACHED TO TERMINAL STRIP MOUNTING
SCREW.
3. REMOVE MALE PLUG FROM POWER CORD
(1201265) & ATTACH (3) SOLDERLESS CONN
#50368 ARKLESS (9007926).
4. ATTACH 4 #50906 ARKLESS (9007919) TO
RED & WHITE TWISTED PAIR, ONE END IS
ATTACHED TO B54 OUTPUT & THE OTHER
END TO THE DISTRIBUTION BAR.
5. REMOVE MALE PLUG FROM POWER CORD
(1201265) & ATTACH (2) SOLDERLESS CONN
#50906 ARKLESS (9007919), 1 SOLDERLESS
CONN. #56325 ARKLESS (9007927) TO
GND WIRE WHICH IS ATTACHED UNDERNEATH
NEAREST SCREW HEAD.
6. USE ONE FAN FOR 110V SYSTEMS, CONNECT TWO
FANS IN SERIES FOR 240V SYSTEMS.
7. H720 AND 854 ARE BACK-DOOR
MOUNTED.
8. OPTIONALLY CAN BE "SELF -
CONTAINED UNITS" SUCH AS
BAIL OR RC11. INSTALL FIRST IN
LOWEST POSITION AND EXPAND
UP. TU56'S EXPAND DOWN.

4950 CAB.
FRONT

H950 CAB
(SIDE)

REVISIONS		
CHK	CHANGE NO.	REV.
THIS DWG WAS D-AR-TC11-0-29		

FIRST USED ON OPTION / MODEL #	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .000 ± .016 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	MATERIAL #	NEXT HIGHER ASSY #	QTY.	DESCRIPTION	PART NO.	ITEM
				DRN. G. London	DATE 10/23/78	PARTS LIST	
	CHK'D. R. Cook ENG. J. J. Jones PRO'D. G. Call	DATE 10/23/78	DATE 10/23/78	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
				TITLE DEC TAPE CONTROL (TC11)			
FINISH #	SCALE SHEET 2 OF 3	SIZE CODE	NUMBER	REV. C	DILA TC11-0-0		
					DIST. 1		



DIGITAL EQUIPMENT CORPORATION

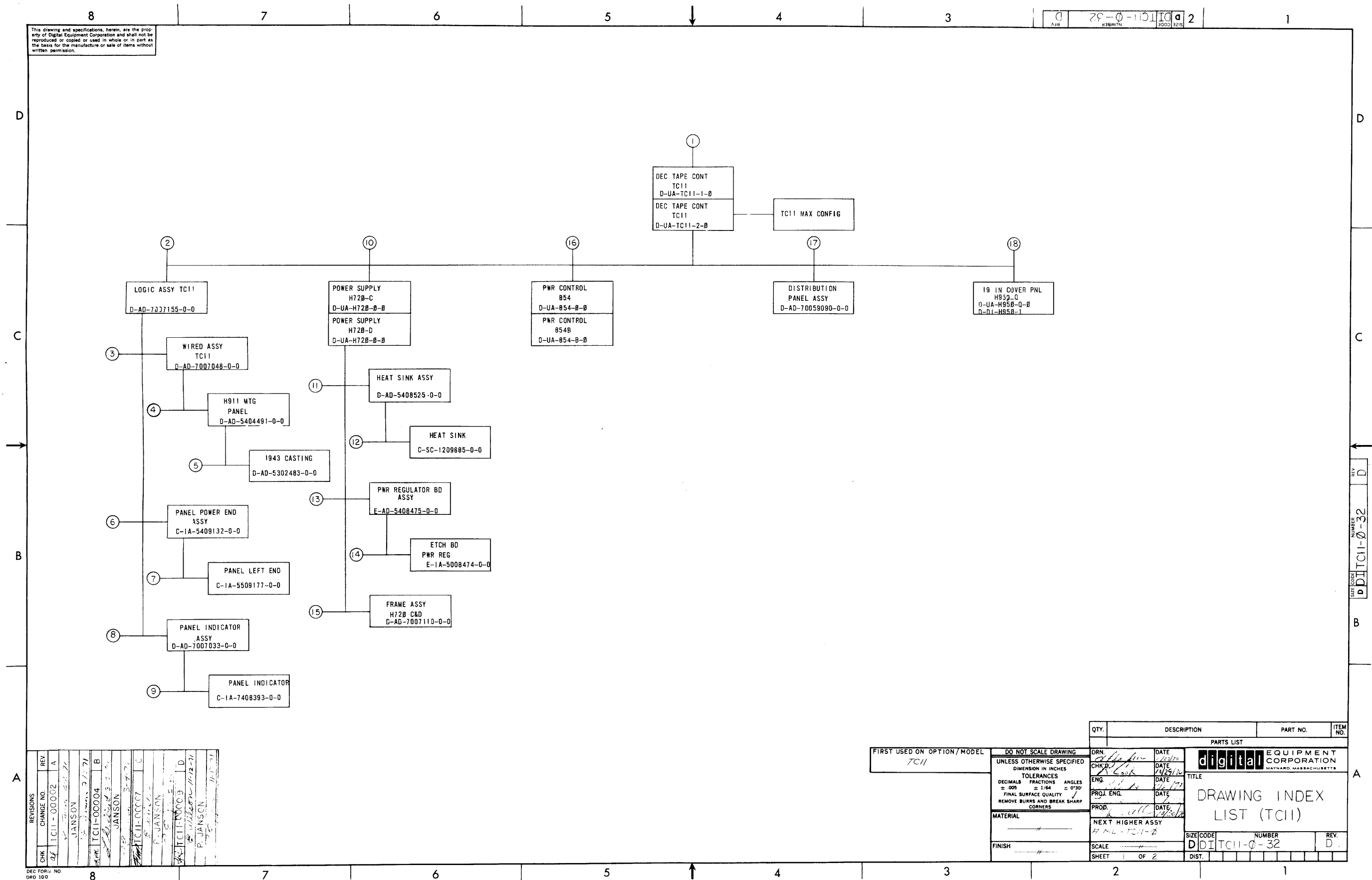
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R. ROBICHAUD	CHECKED J. FLEMING	SECTION
DATE 10-22-70	DATE 10-26-70	1
ENG <i>E. P. Gordon</i>	PROD <i>W. Hall</i>	ISSUED SECT.
DATE <i>10/29/70</i>	DATE <i>10/30/70</i>	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	TCI	TCII
1	D-AD-7007155-0-0	LOGIC ASSY (TC11)	1	1
2	9006073-1	SCR PHL HD PAN #10-32 X ½ SST	20	20
3	9007786	SPEED NUT #C31758-032-27 TINN.	20	20
4	9007651	WASH EXT TOOTH #10	20	20
5	D-IA-7007109-0-0	POWER HARNESS	1	1
6	D-UA-854-Ø-Ø	POWER CONTROL 854 (120V) *	A/R	0
7	D-UA-854-B-Ø	POWER CONTROL 854 B (240V) *	0	A/B
8	D-UA-H72Ø-C-Ø	POWER SUPPLY H720-C (120V)	1	0
9	D-UA-H72Ø-D-Ø	POWER SUPPLY H720-D (240V)	0	1
10	D-AD-7005909-0-0	DISTRIBUTION PANEL ASSY	1	1
11	D-UA-H95Ø-Q-Ø	19 IN COVER PANEL (10½)	1	1
12	D-UA-BC11A-8-Ø	CABLE BC11A	1	1
13	D-MAD-1945-19-1	1945 HOLD DOWN BAR	1	1
14	C-SG1209856-Ø-Ø	MODULE HOLDER	6	6
15	H-850	EXT HANDLE	1	1
16	C-PL-7006501-23-0	BASIC CAB ASSY - 19"	1	1
17	A-PL-H752-C-Ø	FAN	0	1
*	854 IS NOT REQUIRED FOR SYSTEMS WITH 1 OR 2 TU56'S, NOR FOR CABINETS EQUIPPED WITH POWER CONTROLS.			

TITLE DECTAPE CONTROL (TC11)	ASSY NO. D-UA-TC11-Ø-Ø	SIZE A	CODE PL	NUMBER TC11-Ø-Ø	REV. C	ECONO TC11- 00012
SHEET 1 OF 1		DIST.				

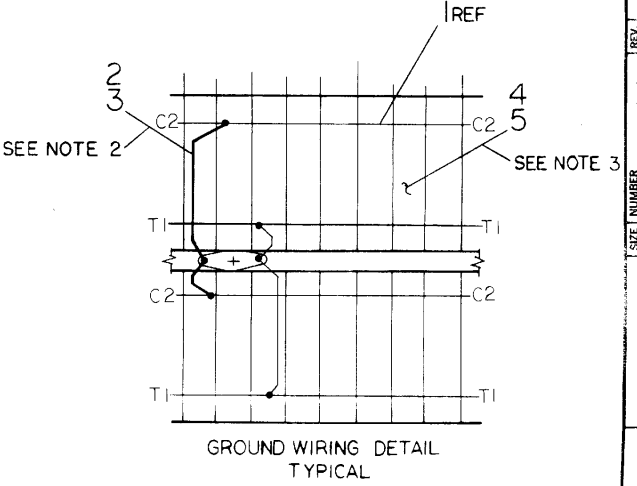
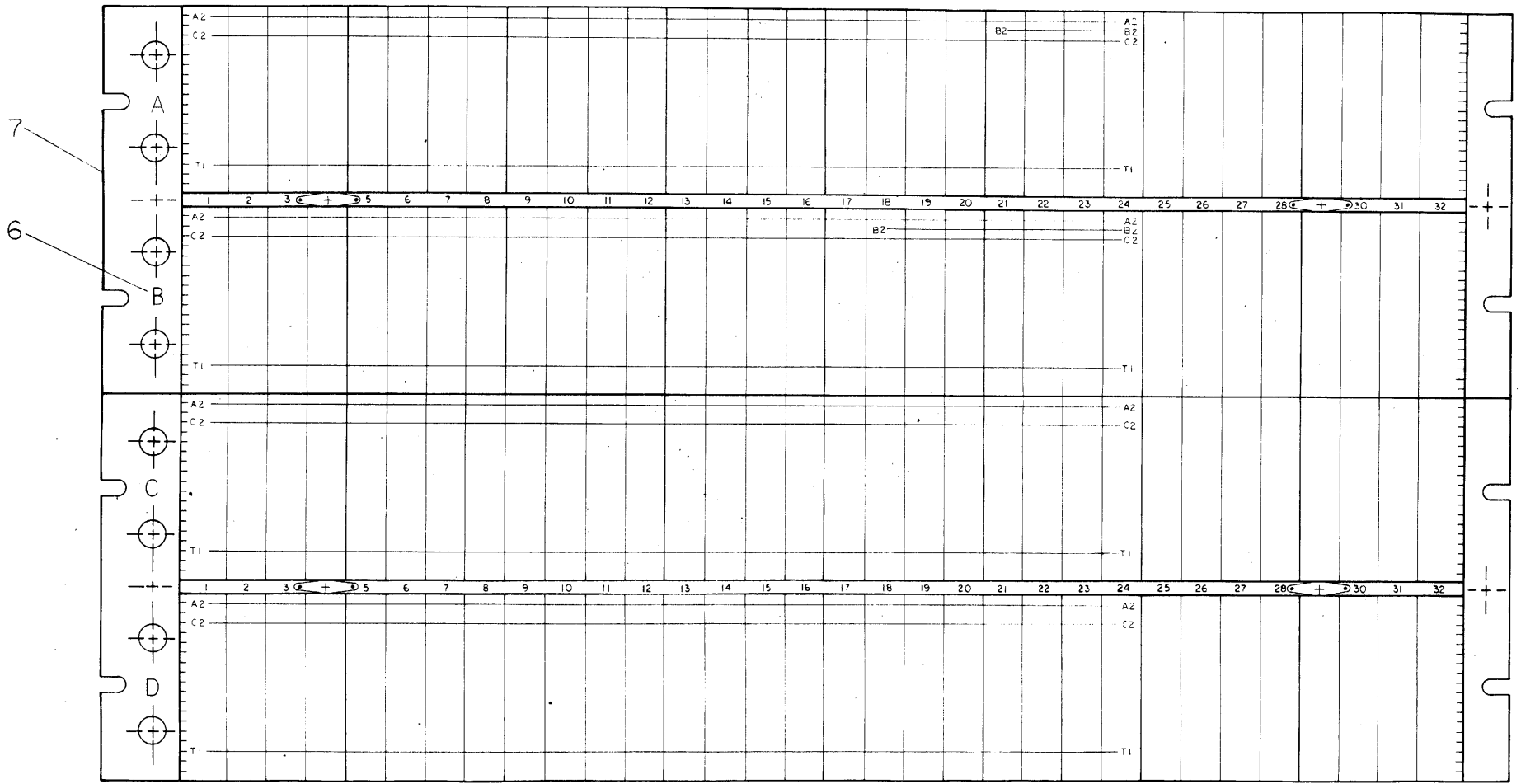


8			7			6			5			4			3			2			1								
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MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE								
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C						
D	1. DEC TAPE CONTROL DEC TAPE CONTROL DEC TAPE CONTROL (P.L.) POWER HARNESS	D-UA-TC11-1-0 D-UA-TC11-2-0 A-PL-TC11-0-0 D-IA-7007109-0-0					16. PWP CONTROL ASSY (854) PWR CONTROL ASSY (P.L.) PWR CONTROL ASSY (854.B) PWR CONTROL ASSY (P.L.) CHASSIS PLEXI GLASS SHEILD DECALS 854 PWR CONT DECALS 854-B PWR CONT	D-UA-854-0-0 A-PL-854-0-0 D-UA-854-0-0 A-PL-854-0-0 C-MD-5308148-0-0 C-MD-5308149-0-0 B-DC-5308425-0-0 B-DC-5308426-0-0				1.	DEC TAPE CONTROL DEC TAPE CONTROL DEC TAPE CONTROL MODULE UTILIZATION MODULE UTILIZATION DECTAPE CONTROL CONTROL DECTAPE CONTROL ERRORS DECTAPE CONT TP, UPS, MOTION CONT DECTAPE CONTROL RWB AND LPB MARK TRACK DECODER NPR CONTROL REGISTER CONTROL SLAVE RESP AND MAINT BITS COMMAND REGISTER TUS6 CONNECTIONS UNIBUS DRIVERS AND RECEIVERS DATA REGISTER 1 DATA REGISTER 2 DATA REGISTER 3 OUTPUT GATING 1 OUTPUT GATING 2 ADDR SEL AND INT CONT BUS CONNECTORS BUS ADDRESS REGISTER (TCBA) WORD COUNT REGISTER (TCWC) TC11 CONTROL PANEL DECTAPE TIMING TC11 SLAVE RESPONSE READY AND ERROR SEQUENCE NPR TRANSFER DATA NPR TRANSFER DATA	A-WL-TC11-0 D-UA-TC11-0-0 A-PL-TC11-0-0 D-MU-TC11-0-01 A-PL-TC11-0-01 D-BS-TC11-0-02 D-BS-TC11-0-03 D-BS-TC11-0-04 D-BS-TC11-0-05 D-BS-TC11-0-06 D-BS-TC11-0-07 D-BS-TC11-0-08 D-BS-TC11-0-09 D-BS-TC11-0-10 D-BS-TC11-0-11 D-BS-TC11-0-12 D-BS-TC11-0-13 D-BS-TC11-0-14 D-BS-TC11-0-15 D-BS-TC11-0-16 D-BS-TC11-0-17 D-BS-TC11-0-18 D-BS-TC11-0-19 D-IC-TC11-0-20 D-BS-TC11-0-21 D-BS-TC11-0-22 D-BS-TC11-0-23 D-TD-TC11-0-24 D-TD-TC11-0-25 D-TD-TC11-0-26 D-TD-TC11-0-27 D-TD-TC11-0-28				D											
	2. LOGIC ASSY TC11 LOGIC ASSY (P.L.) PANEL RIGHT END	D-AD-7007155-0-0 A-PL-7007155-0-0 C-MD-5302485-0-0					17. DISTRIBUTION PANEL ASSY DISTRIBUTION PANEL ASSY (P.L.) PANEL BACK DISTRIBUTION PANEL DISTRIBUTION DECALS DISTRIBUTION PANEL	D-AD-7005909-0-0 A-PL-7005909-0-0 C-MD-7406765-0-0 D-IA-7406764-0-0 A-DC-7406766-0-0																					
	3. WIRED ASSY TC11 WIRED ASSY (P.L.) LOGIC FRAME DECALS	D-AD-7037048-0-0 A-PL-7007048-0-0 A-DC-7406371-0-0																											
	4. H911 MTG PANEL H911 MTG PANEL (P.L.) 288 PIN CONN BLOCK #H803	D-AD-5404491-0-0 A-PL-5404491-0-0 E-SC-1205348-0-0					18. 19 IN COVER PANEL 19 IN COVER PANEL DRAWING INDEX LIST (H950)	D-UA-H950-0-0 A-PL-H950-0-0 D-DI-H950-0-1																					
	5. 1943 CASTING 1943 CASTING (P.L.) 1943 FRAME CASTING	D-AD-5302483-0-0 A-PL-5302483-0-0 E-MJ-1202885-0-0																											
	6. PANEL, POWER END ASSY	C-IA-5409132-0-0																											
C	7. PANEL, LEFT END SILK SCREEN	C-IA-5509177-0-0 A-SS-5509177-0-1																											
	8. PANEL INDICATOR ASSY PANEL INDICATOR (P.L.)	D-AD-7007033-0-0 A-PL-7007033-0-0																											
B	9. PANEL INDICATOR SILK SCREEN	C-IA-7408393-0-0 B-SS-7408393-0-1																											
	10. PWR SUPPLY H720-C PWR SUPPLY H720-D PWR SUPPLY (P.L.) PWR SUPPLY CHASSIS PWR SUPPLY COVER BRKT SUPPORT CAPACITOR BRKT PWR SUPPLY DECALS PWR SUPPLY DECALS (120V) PWR SUPPLY DECALS (240V)	D-UA-H720-C-0 D-UA-H720-D-0 A-PL-H720-0-0 E-IA-5308519-0-0 C-MD-5308518-0-0 C-MD-5308521-0-0 D-MD-5308520-0-0 B-DC-5308524-0-0 A-DC-5308771-0-0 A-DC-5308772-0-0																											
	11. HEAT SINK ASSY HEAT SINK ASSY (P.L.) COIL, TRANSFORMER	D-AD-5408525-0-0 A-PL-5408525-0-0 C-SC-1609762-0-0																											
	12. HEAT SINK HEAT SINK BUSHING	C-SC-1203085-0-0 A-SC-1209475-0-0																											
	13. PWR REGULATOR BD. ASSY PWR REGULATOR BD. ASSY (P.L.) HEAT SINK X-Y COORDINATE HOLE LOCATION ASSY/DRILLING HOLE LAYOUT	E-AD-5408475-0-0 A-PL-5408475-0-0 B-MD-5308733-0-0 K-CO-5408475-0-4 AH-5408475-0-5																											
	14. ETCH BOARD PWR REG. ASSY/DRILLING HOLE LAYOUT PRINTED CIRCUIT LAYOUT	E-IA-5008474-0-0 AH-5408475-0-5 PC-5008474																											
A	15. FRAME ASSY H720 C&D FRAME ASSY H720 C&D (P.L.) CHASSIS PWR SUPPLY SCREEN, FAN	D-AD-7007110-0-0 A-PL-7007110-0-0 D-IA-7408392-0-0 C-MD-7404881-0-0																											
FIRST USED ON OPTION/MODEL TC11																		DRN. <i>[Signature]</i> DATE <i>10/2/76</i> CHK'D. <i>[Signature]</i> DATE <i>10/2/76</i> ENG. <i>[Signature]</i> DATE <i>10/2/76</i> PROJ. ENG. <i>[Signature]</i> DATE <i>10/2/76</i> PROD. <i>[Signature]</i> DATE <i>10/2/76</i> NEXT HIGHER ASSY H-ML-TC11-0 SCALE <i>1</i> OF <i>2</i> SHEET <i>1</i> OF <i>2</i>						digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE DRAWING INDEX LIST (TC11) SIZE CODE D DI NUMBER TC11-0-32 REV D					

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WIRE TABLE				
ITEM NO	AWG	COLOR	FROM CONNECTION	TO CONNECTION
5	24	BLUE	A21B2	B21B2
5	24	BLUE	B24B2	C24V2
8	24	RED	A01A2	B01A2
8	24	RED	C01A2	D01A2
8	24	RED	B01A2	C01A2
8	24	RED	A A2	B24A2
8	24	RED	C24A2	D24A2
8	24	RED	B24A2	C24A2

- 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, 4 PLACES
 3. USE YELLOW WIRE (ITEM#4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM#5) FOR HAND WRAPPED WIRING.



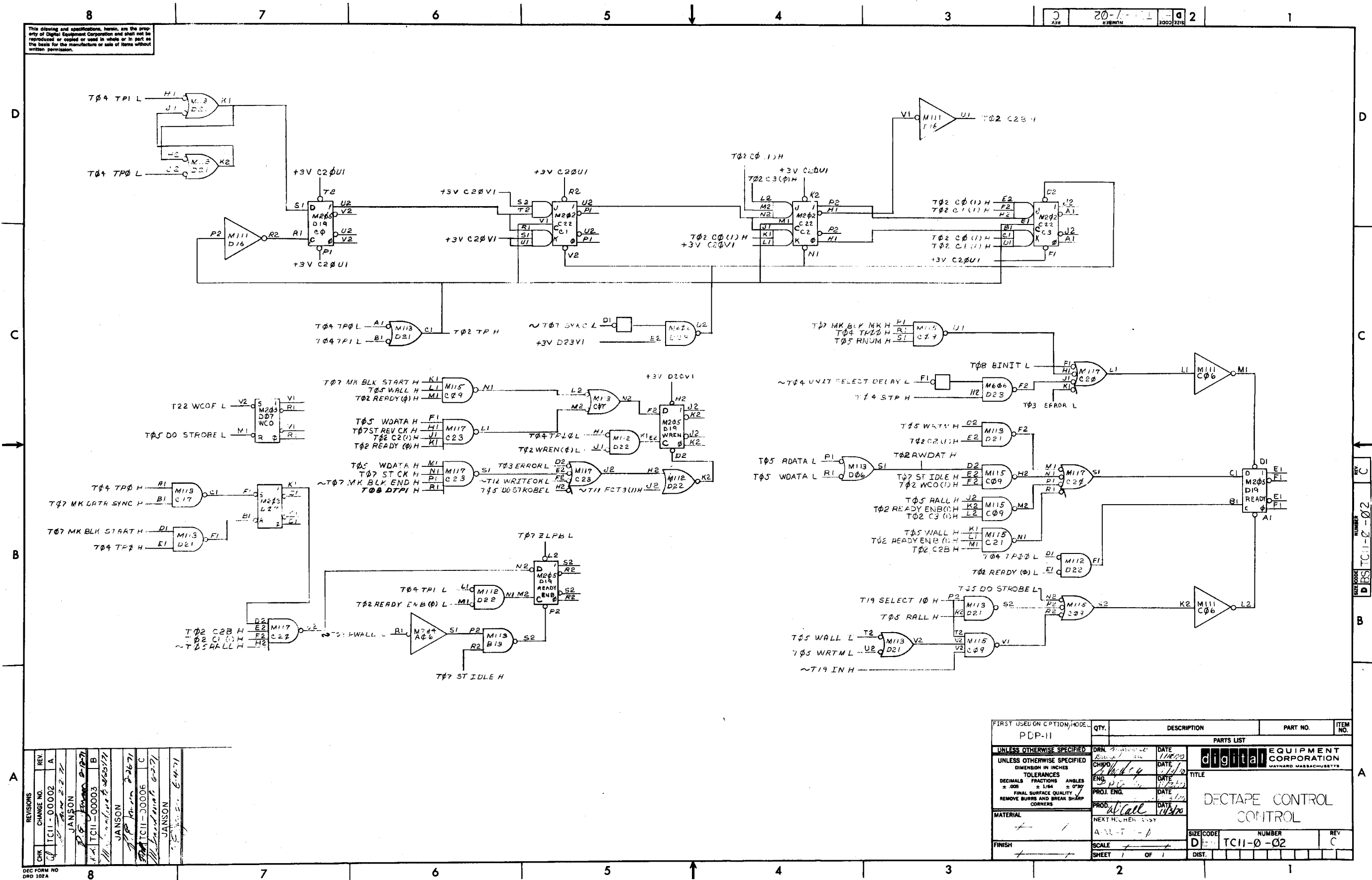
REVISIONS	CHANGE NO.	REV.
CHK	1001-00002	A
CP		
JANSON		
2/12/71		

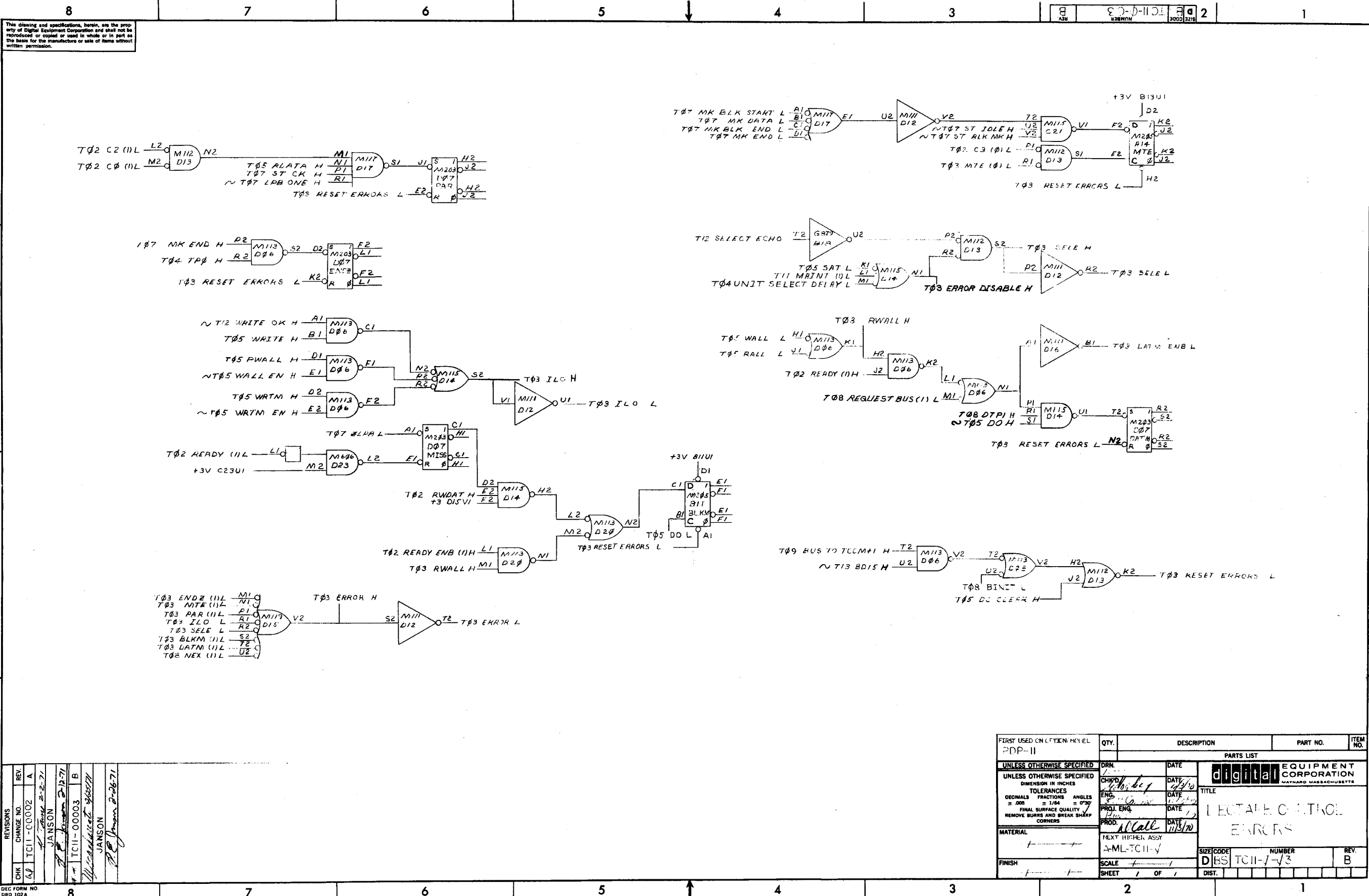
FIRST USED ON OPTION/MODEL PDP-11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± .001 ± .010 FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN 2/1/71 CHK'D 2/1/71 ENG. 2/1/71 PROJ. ENG. 2/1/71 PROD. 2/1/71	DATE 11/3/70 DATE 11/3/70 DATE 11/3/70 DATE 11/3/70 DATE 11/3/70	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE WIRED ASS'Y TCII
MATERIAL +-----+	NEXT HIGHER ASSY C-1-1-1-1-1	SCALE NONE	SIZE/CODE D AD 700704800	REV. A
FINISH +-----+	SHEET OF	SCALE NONE	DIST.	

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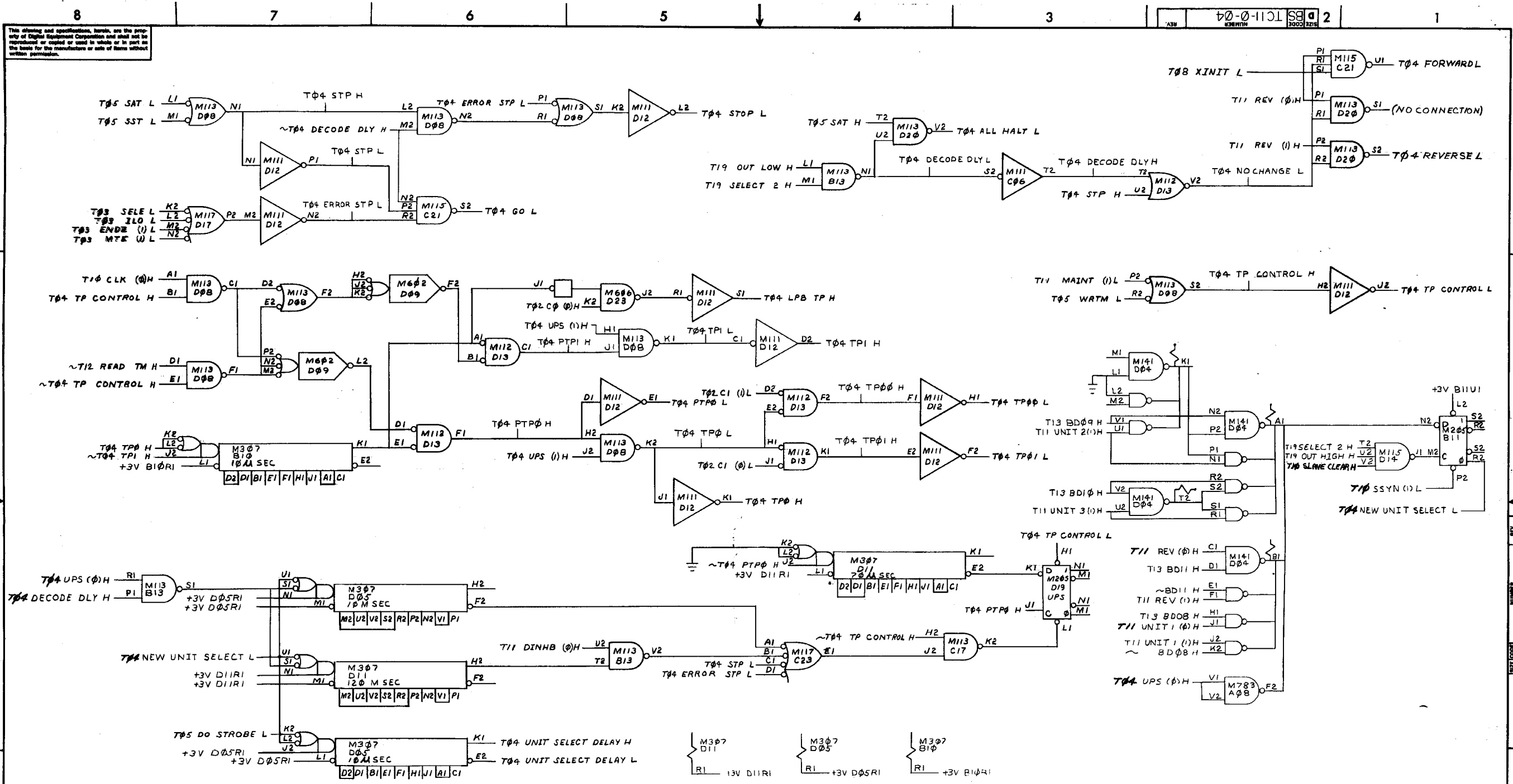
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY KAREN KRYSIAK		CHECKED M. MACKENZIE		SECTION					
DATE 9-17-70		DATE 10-19-70		1					
ENG <i>K. P. Anderson</i>		PROD <i>D. Call</i>		ISSUED SECT.					
DATE 11/3/70		DATE 11/3/70		1					
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				QUANTITY / VARIATION			
	G736	JUMPER MODULE				1			
	G879	TRANSPORT DETECTOR				1			
	G888	MANCHESTER READER/WRITER				5			
	M050	50MA INDICATOR DRIVER				1			
	M105	ADDRESS SELECTOR MODULE (REV "C"BEYOND)				1			
	M111	INVERTER				3			
	M112	NOR GATE				3			
	M113	TEN 2-INPUT NAND GATES				8			
	M115	EIGHT 3-INPUT NAND GATES				5			
	M117	SIX 4-INPUT NAND GATES				3			
	M119	THREE 8-INPUT NAND GATES				1			
	M121	AND/NOR GATE				5			
	M127	2-2-2-3 AND/NOR GATE				1			
	M149	9 x 2 NAND WIRED OR MATRIX				2			
	M161	BINARY TO OCTAL/DECIMAL DECODER				2			
	M202	J-K FLIP-FLOP				1			
	M203	8 R/S FLIP-FLOP				1			
	M205	5 "D" FLIP-FLOP				6			
	M206	GENERAL PURPOSE FLIP-FLOP				2			
	M207	GENERAL PURPOSE FLIP-FLOP				1			
	M228	MARK TRACK DECODER				1			
	M239	THREE 4-BIT COUNTER/REGISTER				1			
TITLE		MODULE UTILIZATION		ASSY NO. D-MU-TC11-0-01		SIZE CODE A PL		NUMBER TC11-0-01	
				SHEET 1 OF 2		DIST.		REV. ECO NO. E 00011	

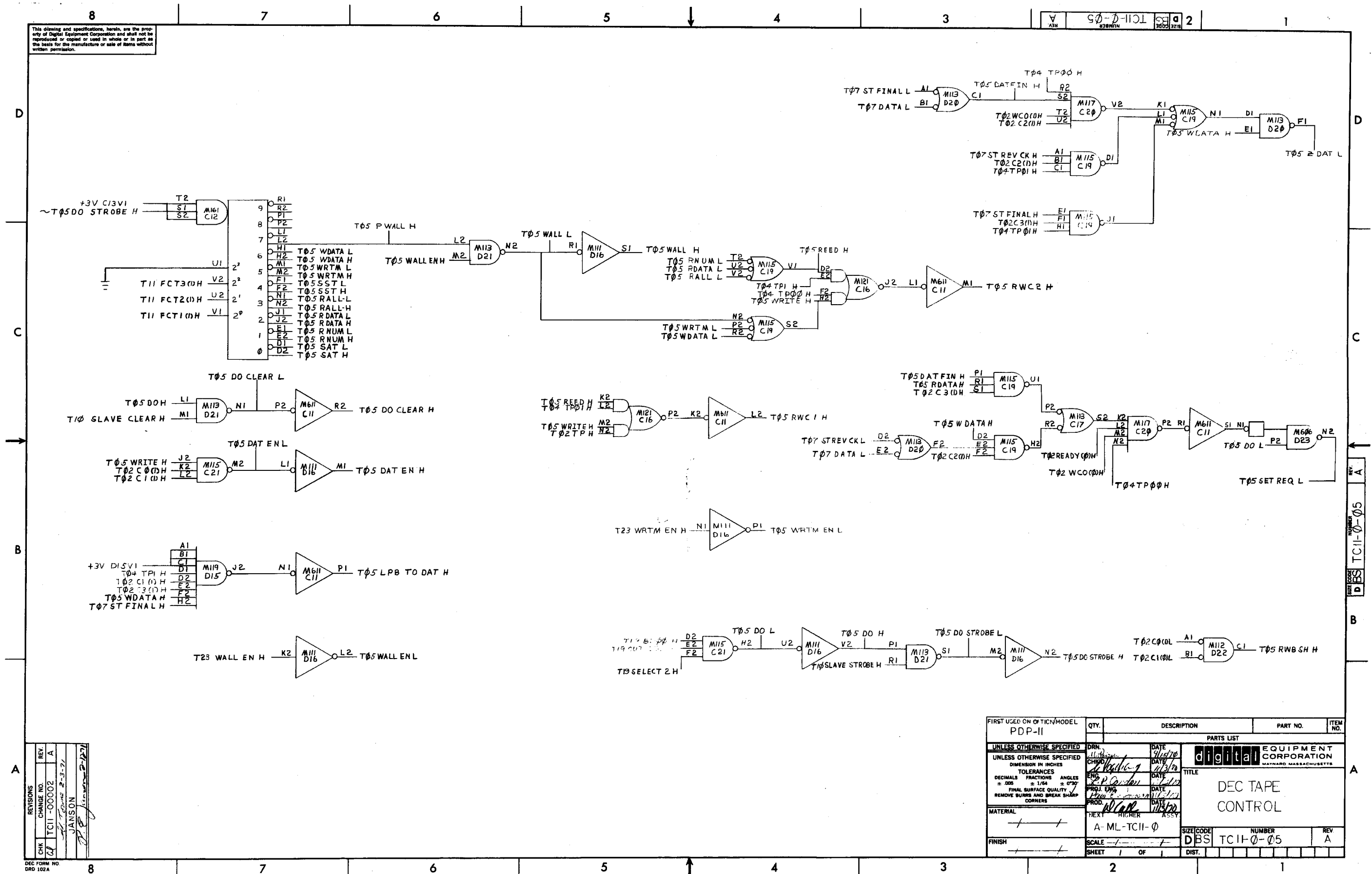
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY KAREN KRYSIAK		CHECKED M. MACKENZIE		SECTION					
DATE 9-17-70		DATE 10-19-70		1					
ENG <i>K. P. Anderson</i>		PROD <i>D. Call</i>		ISSUED SECT.					
DATE 11/3/70		DATE 11/3/70		1					
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				QUANTITY / VARIATION			
	M302	DUAL DELAY MULTIVIBRATOR				2			
	M307	INTERGRATING ONE SHOT				4			
	M502	NEGATIVE INPUT CONVERTER				1			
	M602	PULSE AMPLIFIER				1			
	M606	PULSE GENERATOR				1			
	M611	HIGH - SPEED POWER INVERTER				2			
	M627	NAND POWER AMPLIFIER				1			
	M796	UNIBUS MASTER CONTROL				1			
	M798	UNIBUS DRIVER				1			
	M781	INTERRUPT CONTROL MODULE				1			
	M783	UNIBUS TRANSMITTER MODULE				2			
	M784	UNIBUS RECEIVER MODULE				2			
	M795	WC & BA MODULE				1			
	M141	AND/NOR GATES				1			
	5408780	PRIORITY JUMPER LEVEL # 6				1			
TITLE		MODULE UTILIZATION		ASSY NO. D-MU-TC11-0-01		SIZE CODE A PL		NUMBER TC11-0-01	
				SHEET 2 OF 2		DIST.		REV. ECO NO. E	

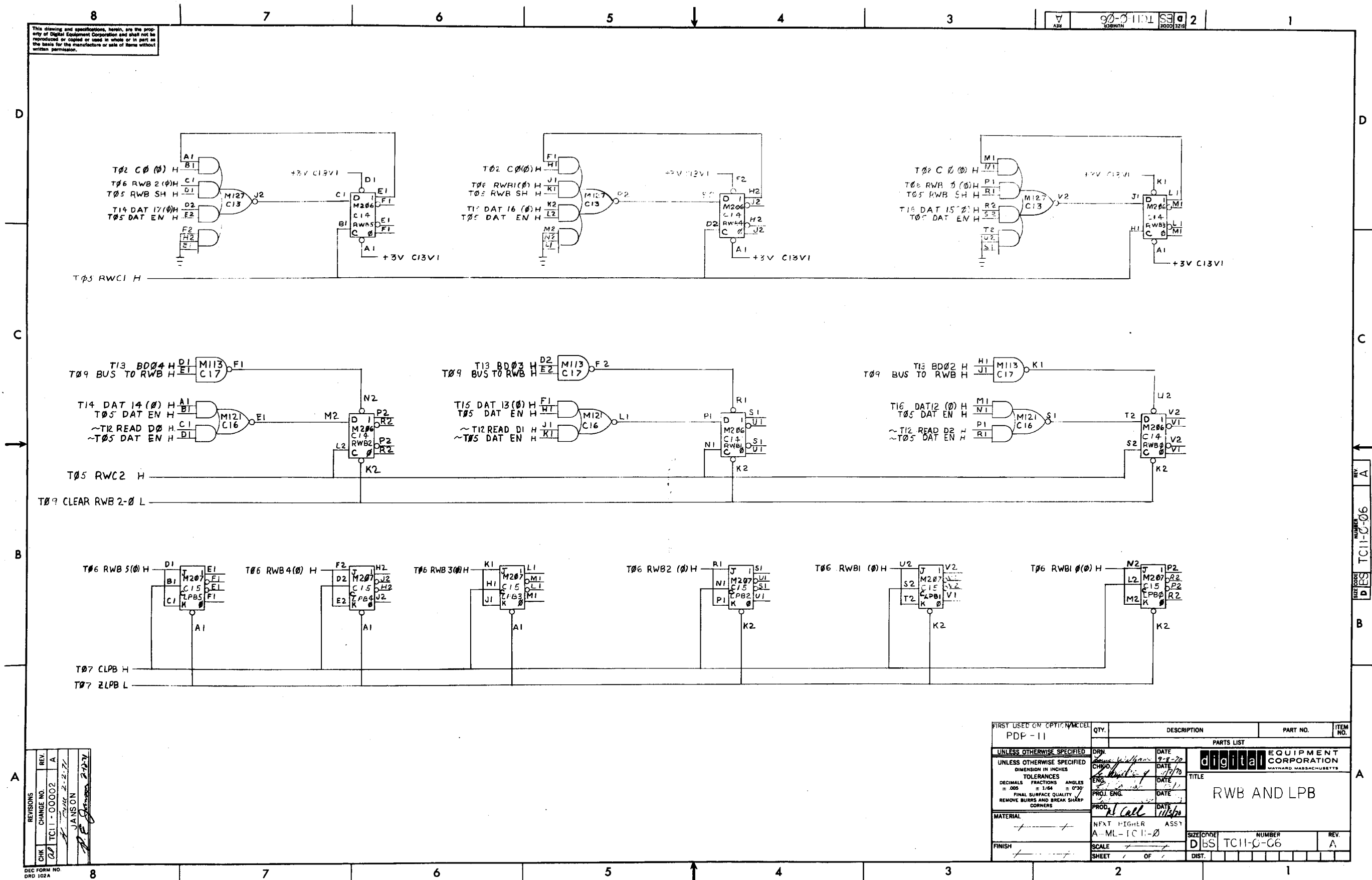


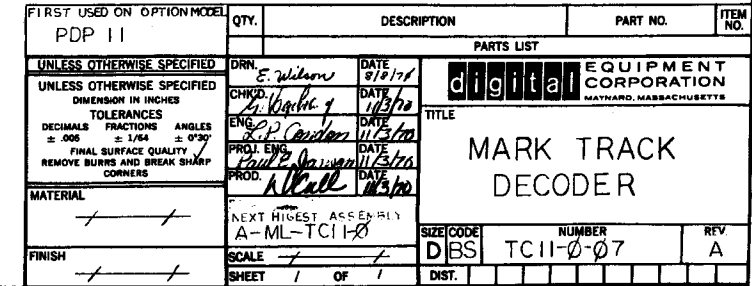


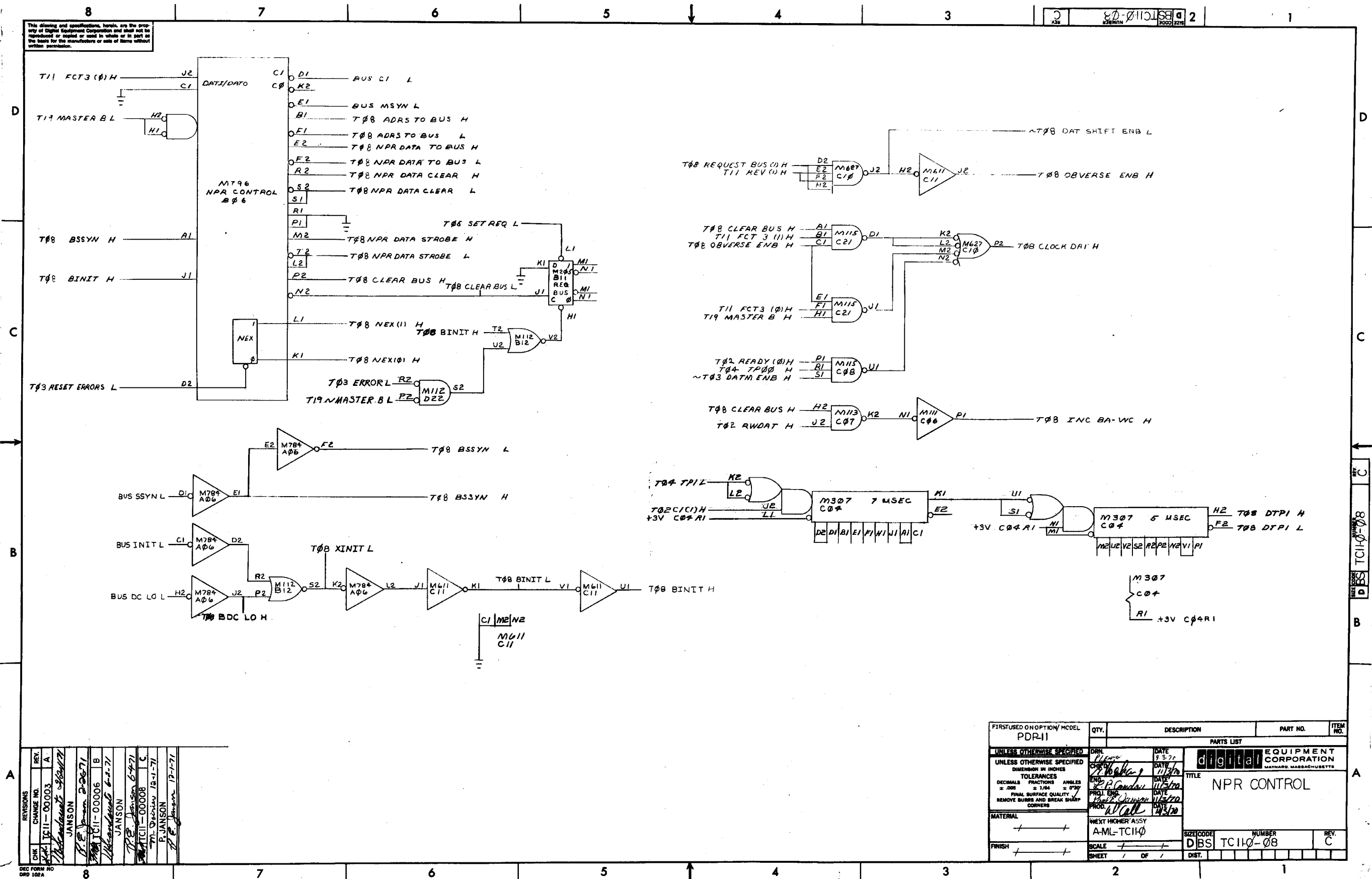
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DRM	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		CHND	DATE	digital CORPORATION	
TOLERANCES		ENG	DATE	MAYNARD MASSACHUSETTS	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	DATE	TITLE	
± .005 ± 1/64 ± 0°30'		PROD.	DATE	LECTURE CONTROL	
FINAL SURFACE QUALITY 7				ERRORS	
REMOVE BURRS AND BREAK SHARP CORNERS				SIZE CODE NUMBER REV.	
MATERIAL		NEXT HIGHER ASSY		D E S T C I I - 1 - 1 / 3 B	
FINISH		SCALE		SHEET 1 OF 1	



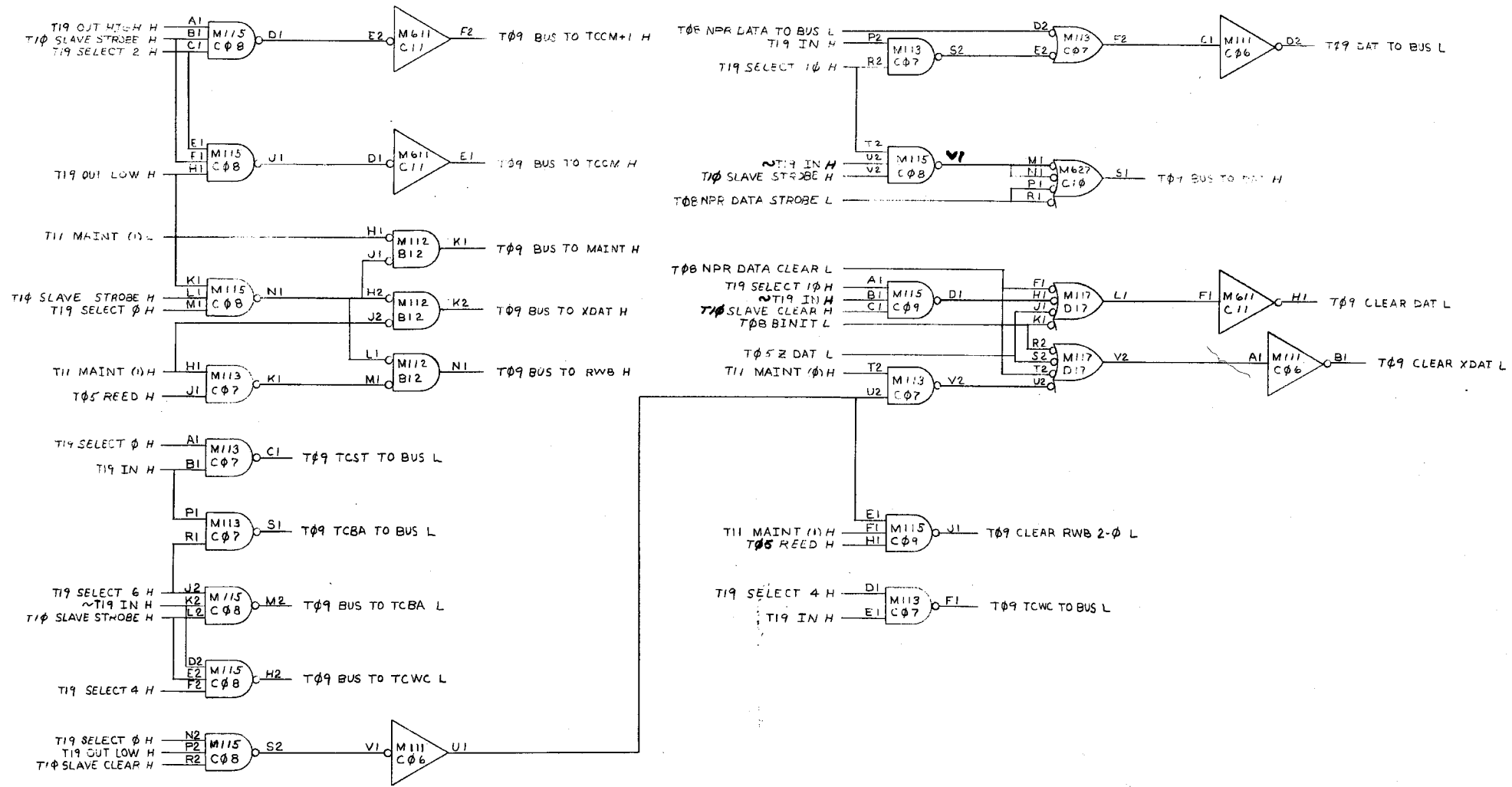






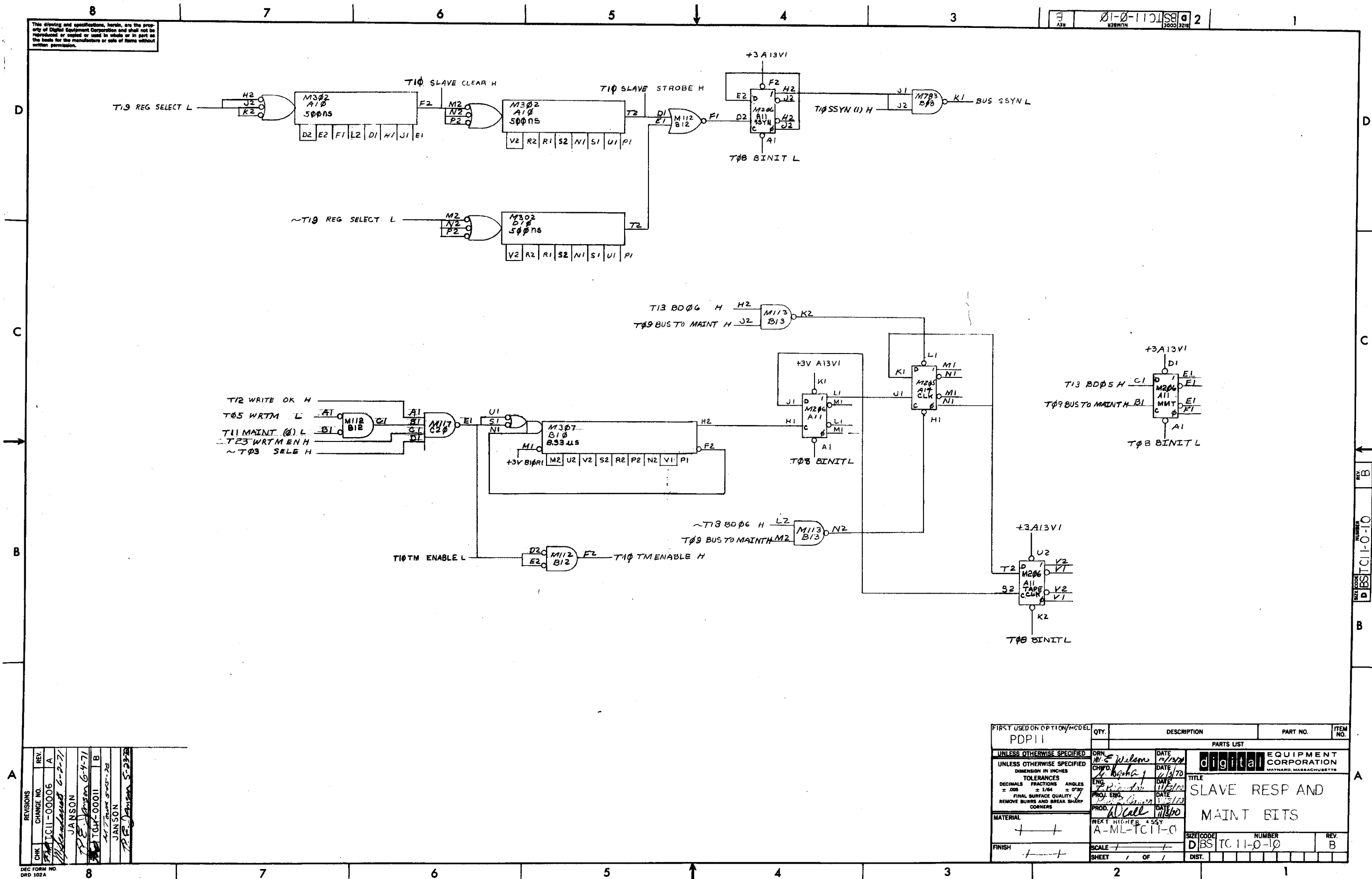


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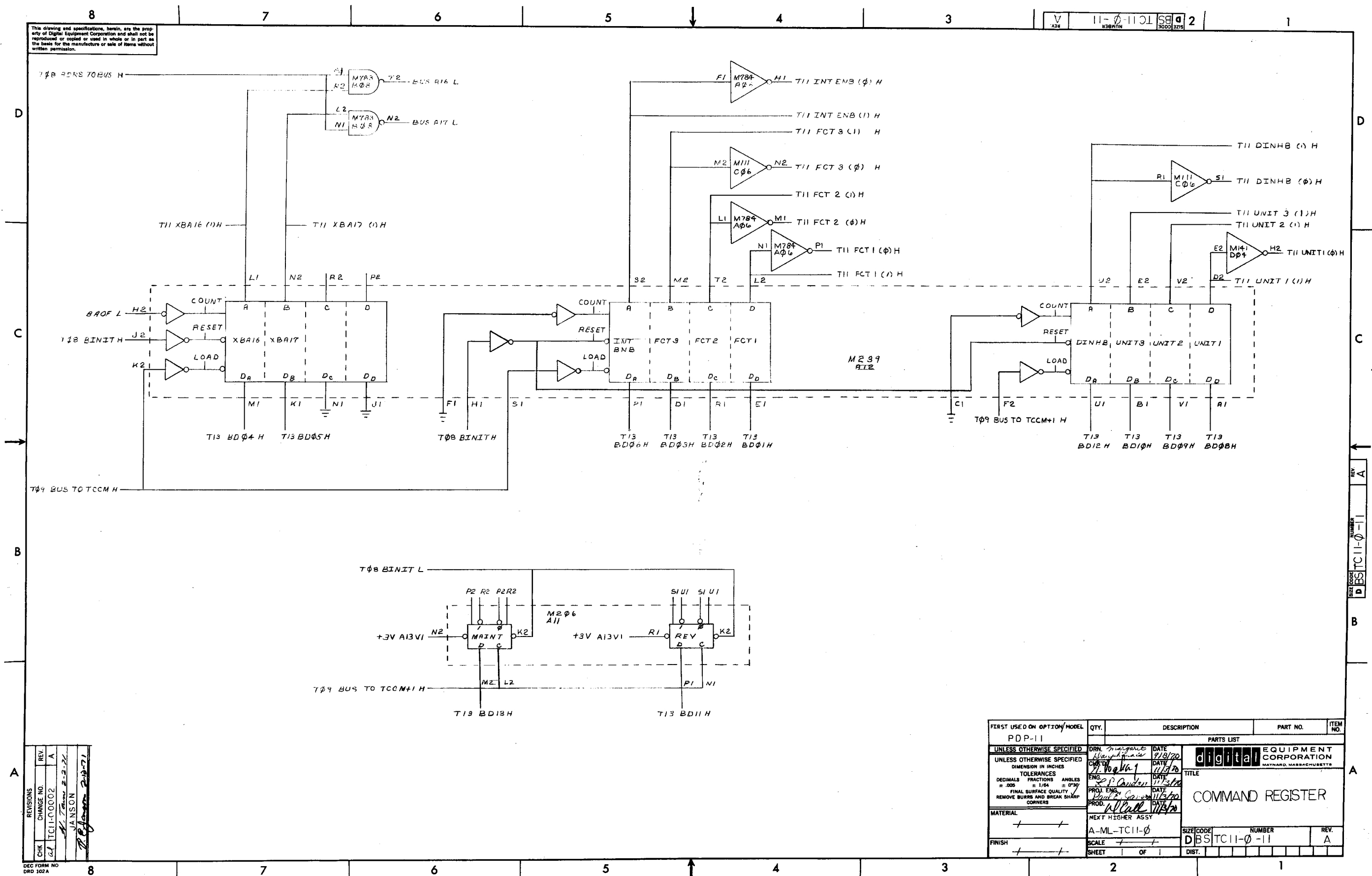


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DRN	PARTS LIST		
UNLESS OTHERWISE SPECIFIED		DATE	digital EQUIPMENT CORPORATION		
DIMENSION IN INCHES		DATE	MAYNARD, MASSACHUSETTS		
TOLERANCES		DATE	TITLE		
DECIMALS FRACTIONS ANGLES		DATE	REGISTER CONTROL		
± .005 ± 1/64 ± .005		DATE	SIZE CODE NUMBER REV.		
FINAL SURFACE QUALITY		DATE	DIBS TC11-0-09		
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	DIST.		
MATERIAL		DATE	SHEET 1 OF 1		
NEXT HIGHER ASSY		DATE			
A-ML-TC11-0		DATE			
SCALE		DATE			
FINISH		DATE			

REV. TC11-0-09



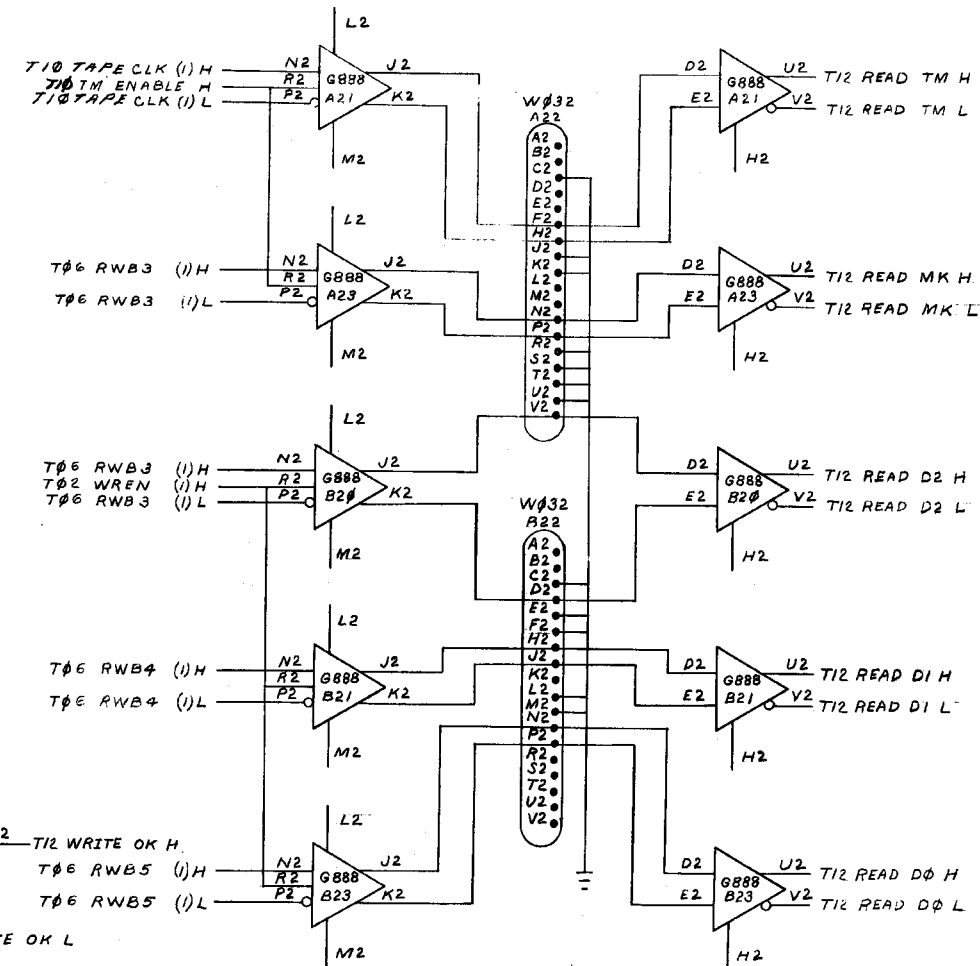
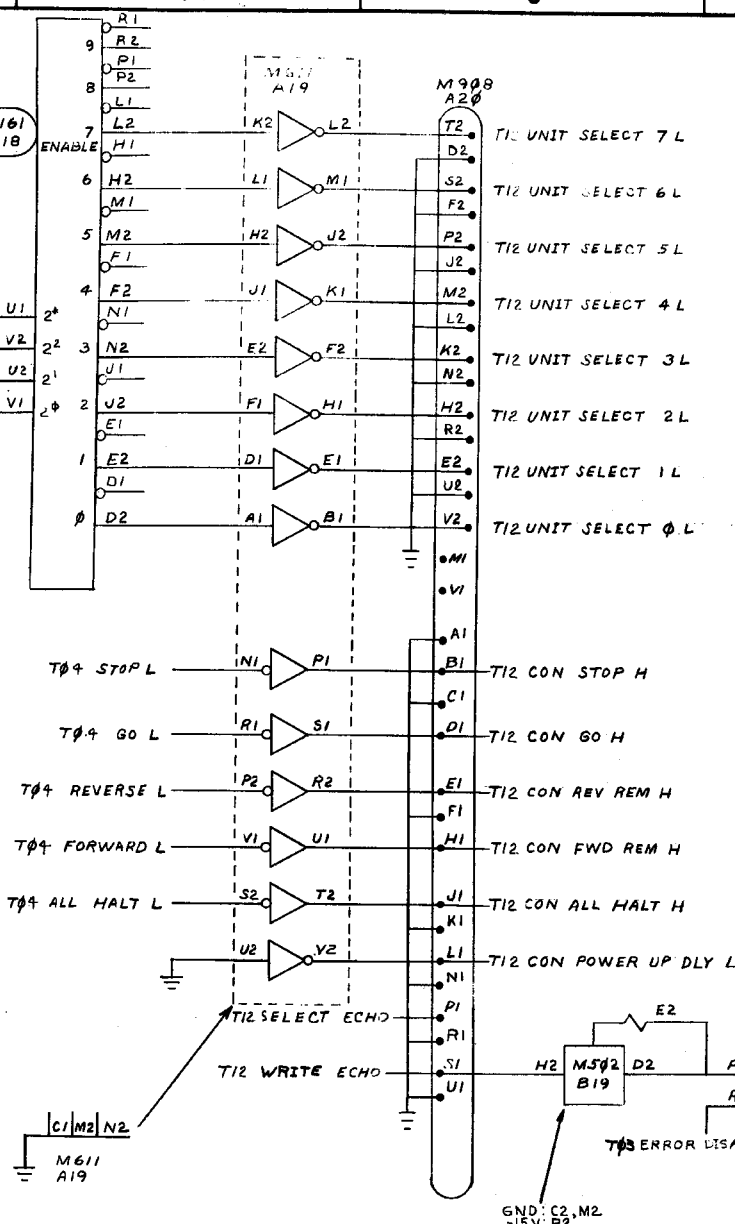
FIRST USED ON OPTION MODEL		QTY.		DESCRIPTION		PART NO.		ITEM	
PDP11									
UNLESS OTHERWISE SPECIFIED		DRN. <i>M. Wilson</i>		DATE <i>10/27/78</i>		 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
UNLESS OTHERWISE SPECIFIED		CHRGD. <i>W. Banta</i>		DATE <i>10/27/78</i>					
DIMENSION IN INCHES		ENG. <i>W. Banta</i>		DATE <i>10/27/78</i>		TITLE SLAVE RESP AND MAINT BITS			
TOLERANCES		DES. <i>W. Banta</i>		DATE <i>10/27/78</i>					
DECIMALS FRACTIONS ANGLES		PROJ. ENG. <i>W. Banta</i>		DATE <i>10/27/78</i>					
$\pm .005$ $\pm 1/64$ $\pm 5/16$ FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		PROD. <i>W. Banta</i>		DATE <i>10/27/78</i>					
MATERIAL		NEXT HIGHER ASSY		SIZE CODE		NUMBER		REV.	
<i>+</i> <i>+</i>		A-ML-TC11-0		D/BS TC 11-0-10				B	
FINISH		SCALE <i>+</i> <i>+</i>		SHEET		OF			
<i>+</i> <i>+</i>									



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T11 MAINT (0) H S1
T11 NEW UNIT SELECT H T2 M161 A18

T11 UNIT 3 (1) H U1
T11 UNIT 2 (1) H U2
T11 UNIT 1 (1) H V1

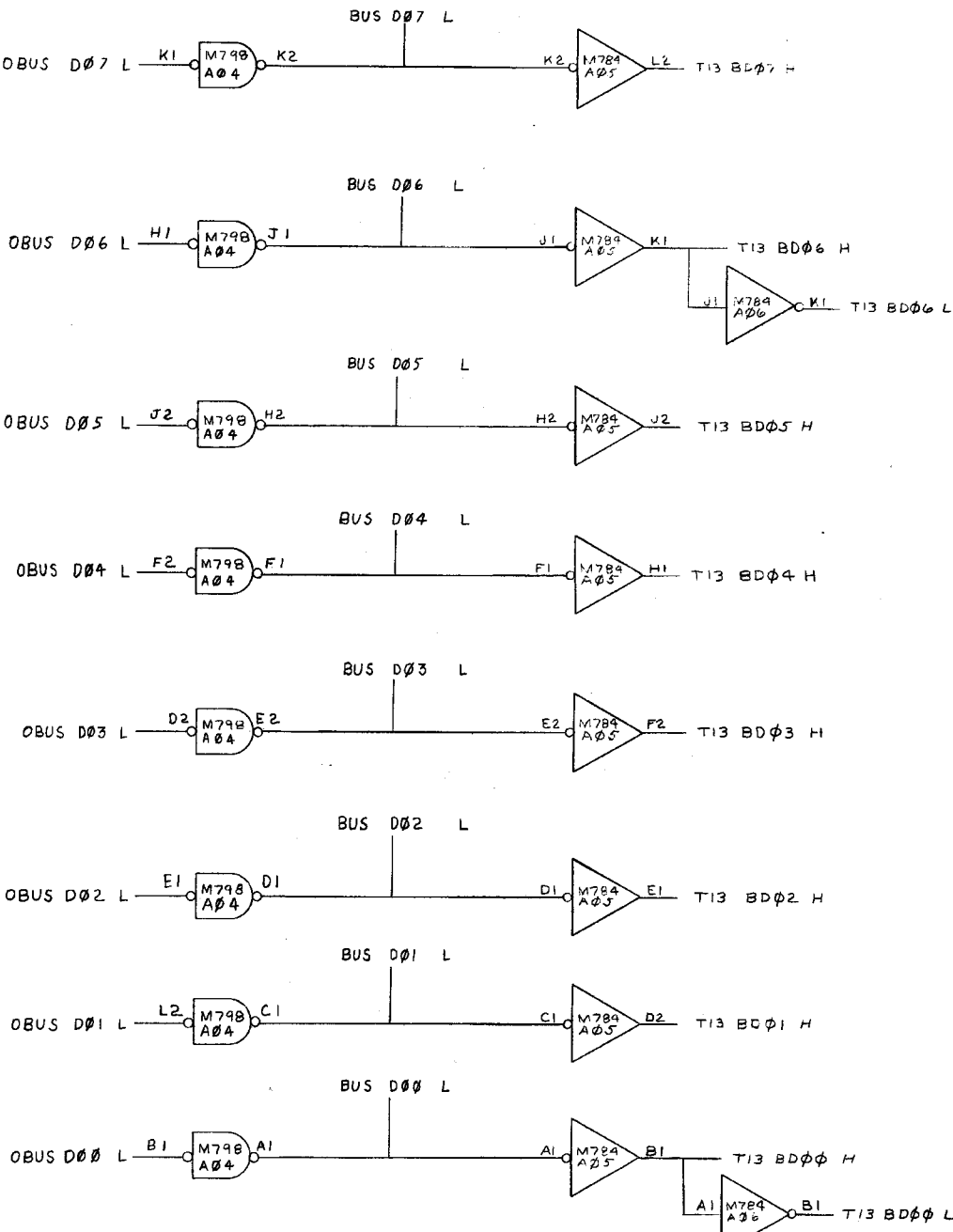
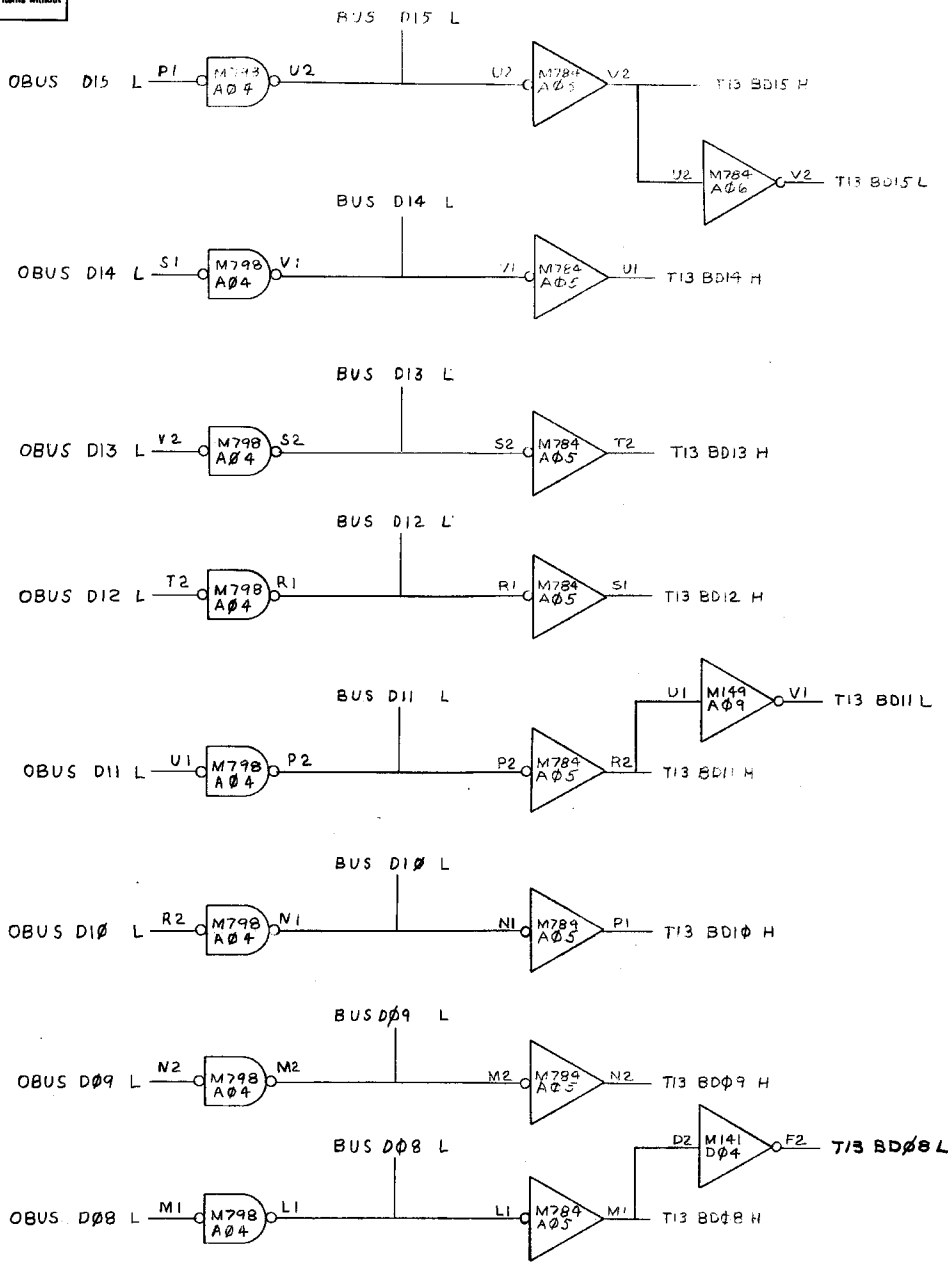


REV	CHG	NO.	DATE	BY	APP.
1	A	00002	12-1-71	JANSON	
2	B	00003	12-1-71	JANSON	
3	C	00008	12-1-71	JANSON	
4	D	00012	12-1-71	JANSON	

DEC FORM NO. 102A

FIRST USED ON OPTION MODEL PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSION IN INCHES		TITLE TU56 CONNECTIONS			
TOLERANCES		DATE 11/13/71			
DECIMALS FRACTIONS ANGLES		DATE 11/13/71			
± .005 ± .004 ± .003		DATE 11/13/71			
FINAL SURFACE QUALITY		DATE 11/13/71			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE 11/13/71			
MATERIAL		NEXT HIGHER ASSY A-ML-TC11-0			
FINISH		SCALE SHEET 1 OF 1			
SIZE CODE D/BS		NUMBER TC11-0-12		REV. C	

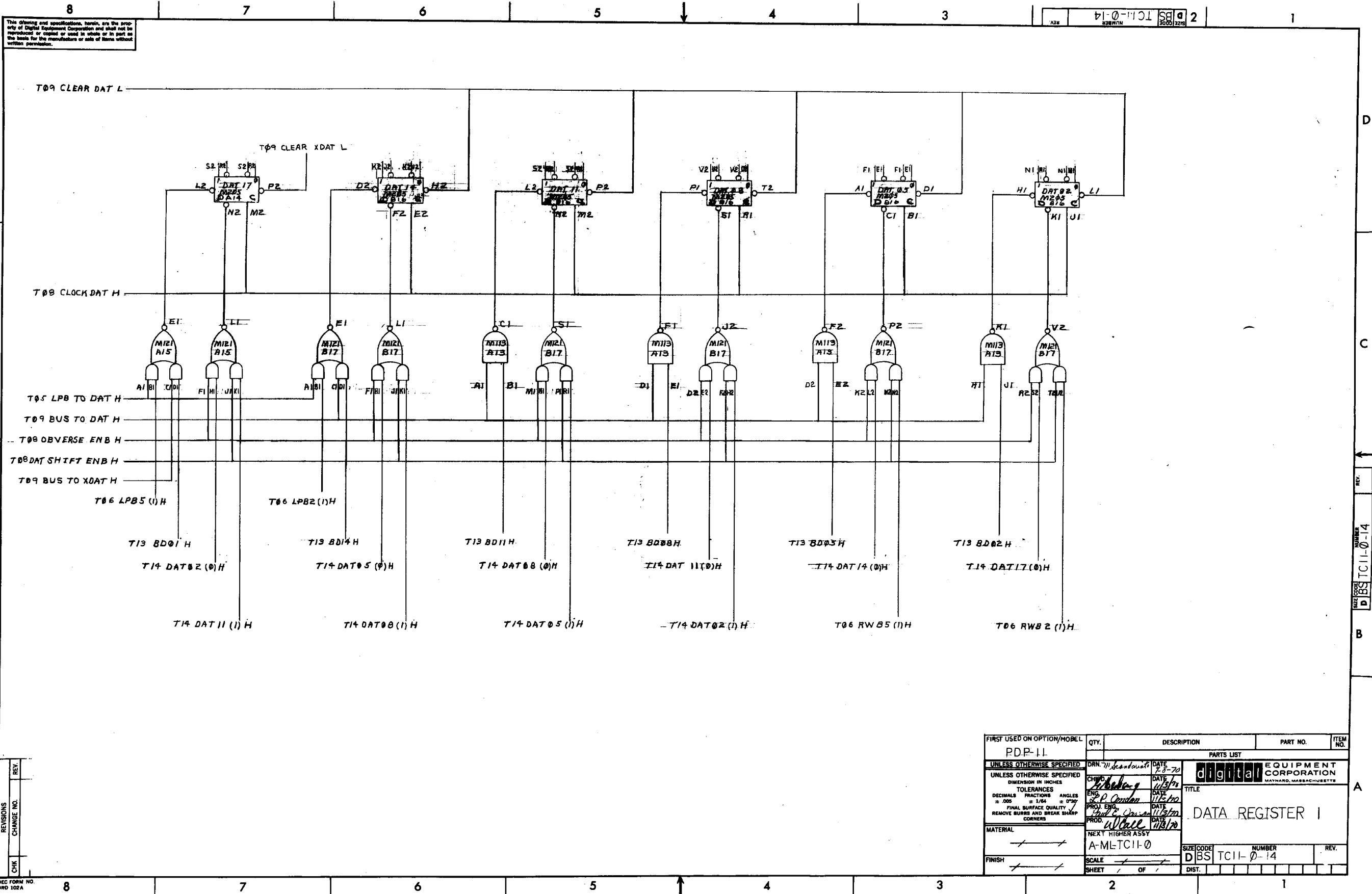
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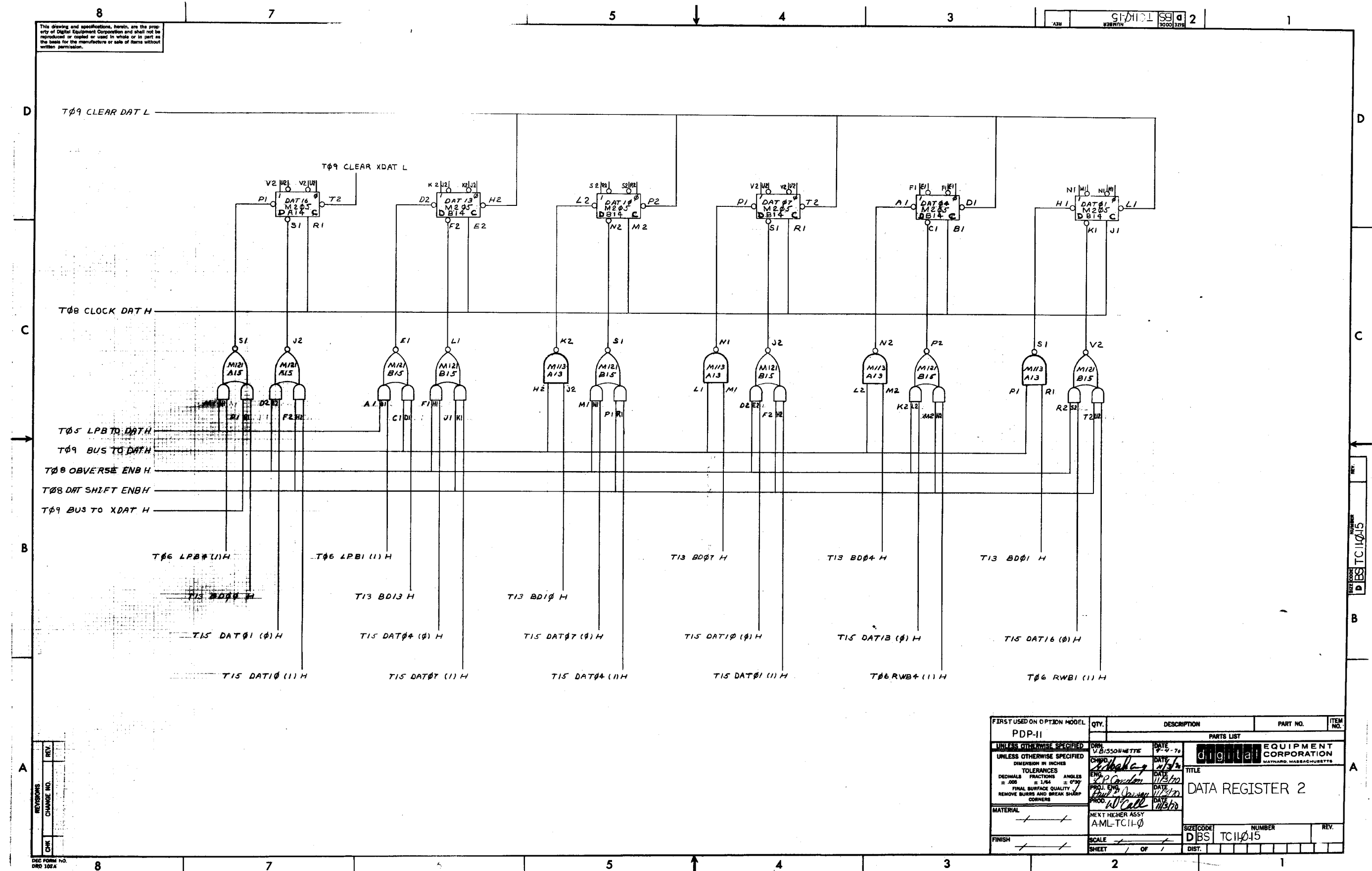


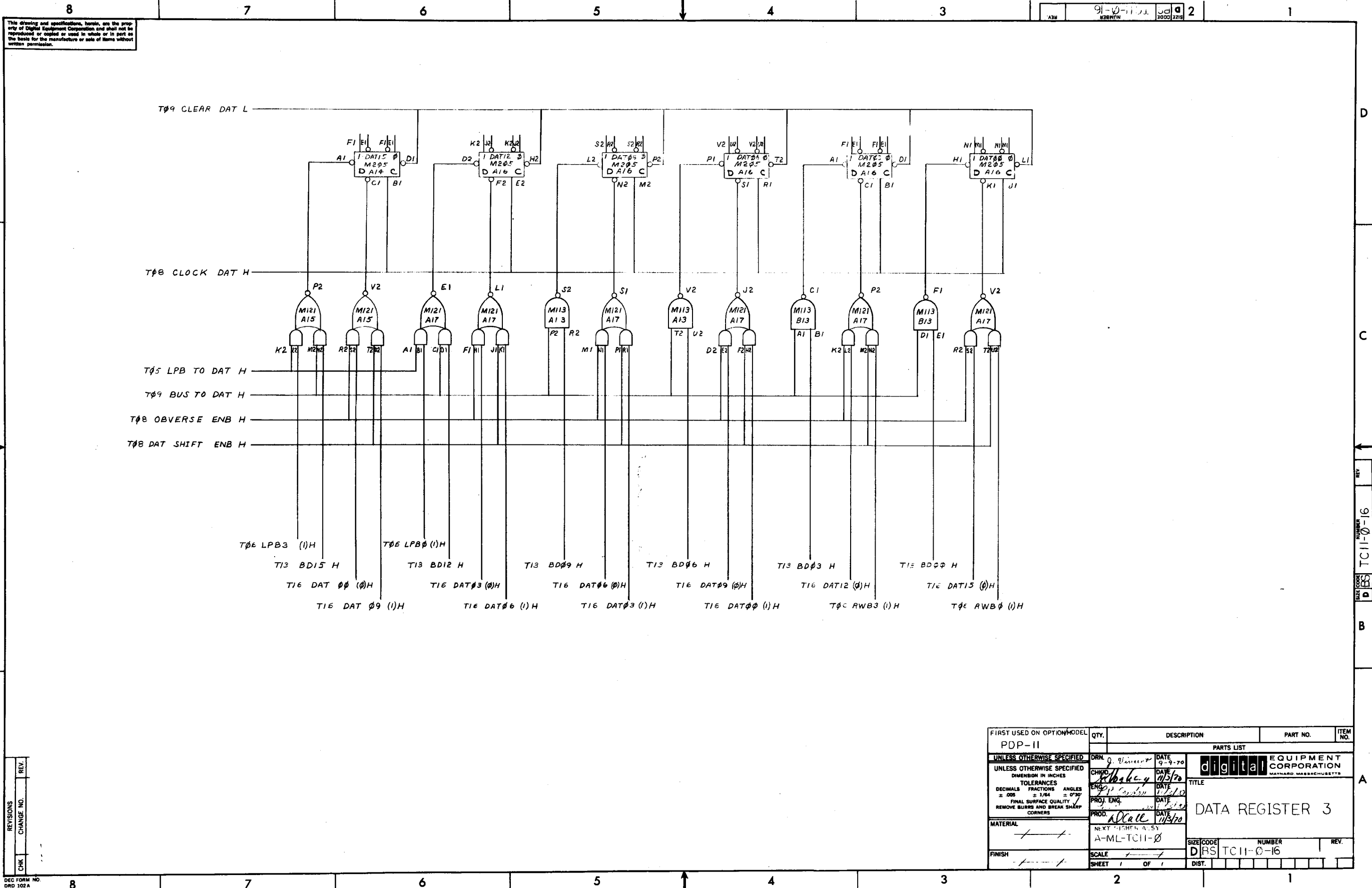
FIRST USED ON / OPTION / MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSIONS IN INCHES		TITLE			
TOLERANCES		UNIBUS DRIVERS AND RECEIVERS			
DECIMALS FRACTIONS ANGLES		SIZE CODE NUMBER REV.			
± .005 ± 1/64 ± .030		D BS TC11-0-13			
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		SHEET 1 OF 1			
MATERIAL		NEXT HIGHER ASSY			
FINISH		SCALE			

REV. NO. 13
TC11-0-13
D BS

REVISIONS
CHANGE NO.
CHK

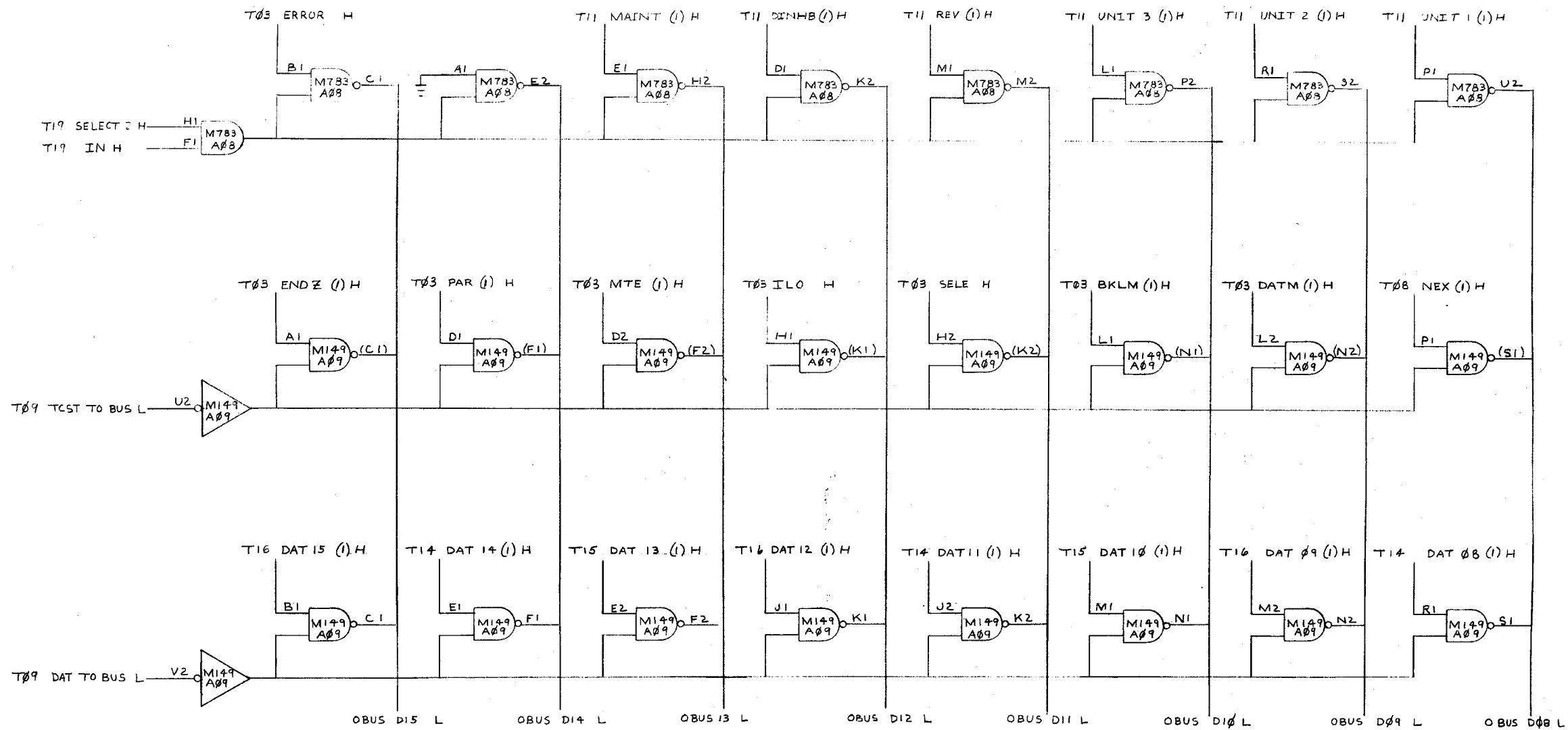






FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	digital CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES		CHG.	DATE	TITLE	
TOLERANCES		ENG.	DATE	DATA REGISTER 3	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	DATE	SIZE/CODE	
± 0.05 ± 1/64 ± 0°30'		PROD.	DATE	NUMBER	
FINAL SURFACE QUALITY		NEXT HIGHEN A.S.T.		REV.	
REMOVE BURRS AND BREAK SHARP CORNERS		A-ML-TC11-0		D1RS TC11-0-16	
MATERIAL		SCALE		DIST.	
FINISH		SHEET		OF	

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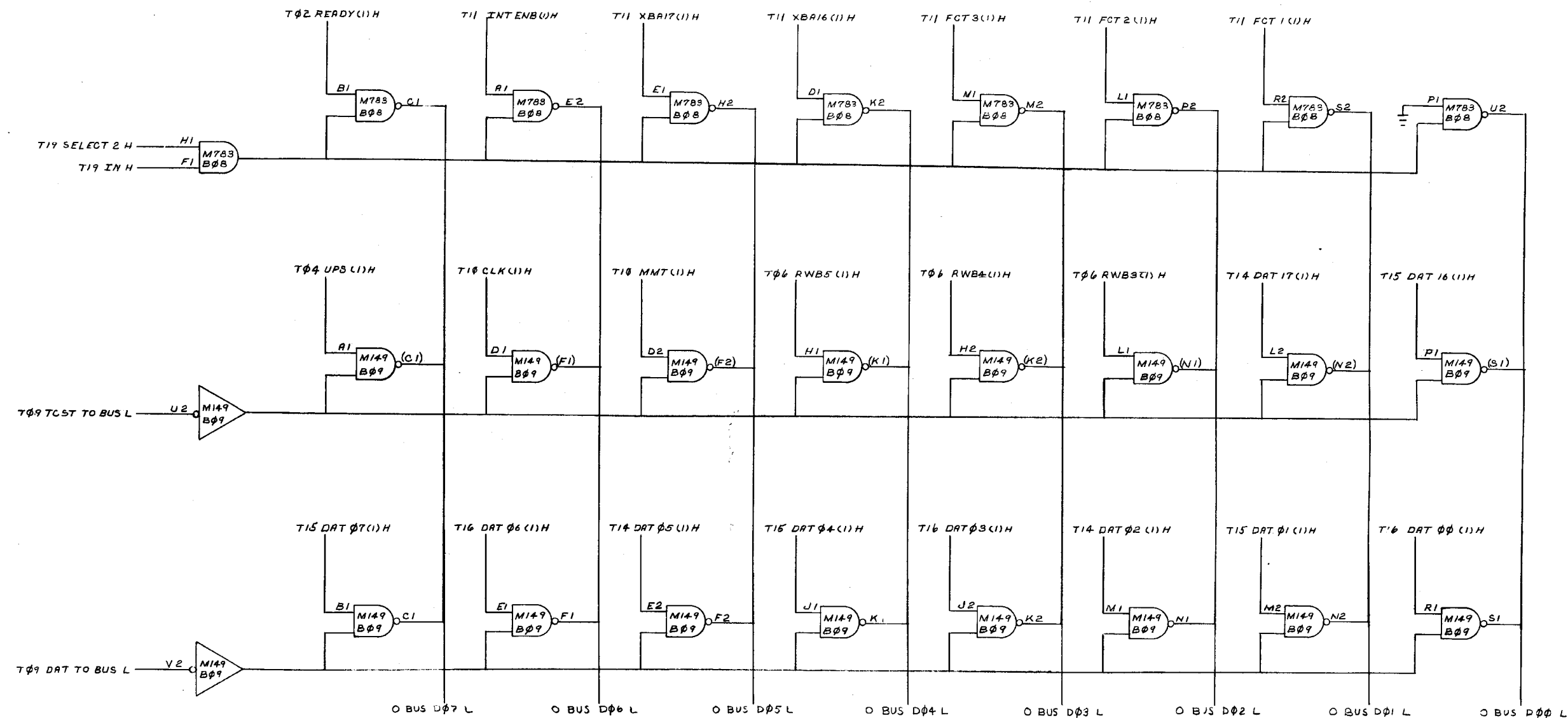


REV	CHANGE NO.	CHK
A	000002	QJ
A	000001	QJ
A	000000	QJ

DEC FORM NO. 102A

FIRST USED ON OPTION/MODEL PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSIONS IN INCHES		TITLE OUTPUT GATING 1			
TOLERANCES		SIZE CODE D BS TC11-0-17			
DECIMALS FRACTIONS ANGLES		NUMBER 1			
± .006 ± 1/64 ± 0°30'		REV. A			
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		SCALE 1 OF 1			
MATERIAL		SHEET			
FINISH		DIST.			

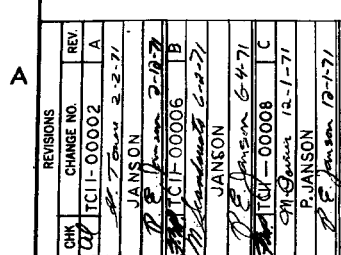
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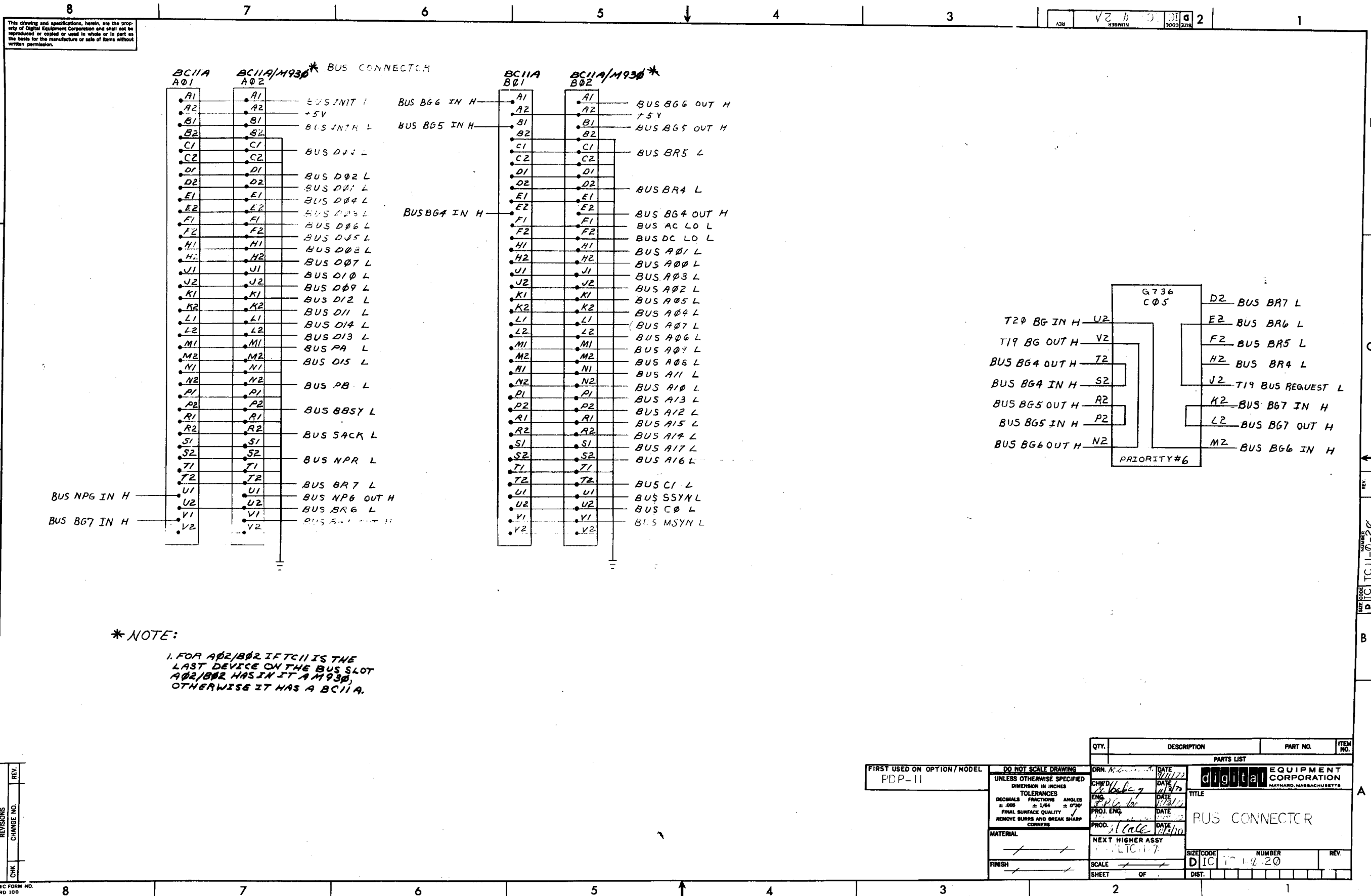
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DATE	PARTS LIST		
ORIGIN		DATE	digital EQUIPMENT CORPORATION		
CHG'D		DATE	MAYNARD, MASSACHUSETTS		
TOLERANCES		DATE	TITLE		
DECIMALS FRACTIONS ANGLES		DATE	OUTPUT GATING 2		
± .005 ± 1/64 ± 0°30'		DATE	A-ML-TC11-0		
FINAL SURFACE QUALITY		DATE	SIZE CODE		
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	NUMBER		
MATERIAL		DATE	REV.		
NEXT HIGHER ASSY		DATE	D BS TC11-0-18		
FINISH		DATE	SCALE		
SHEET		DATE	OF		
		DATE	DIST.		

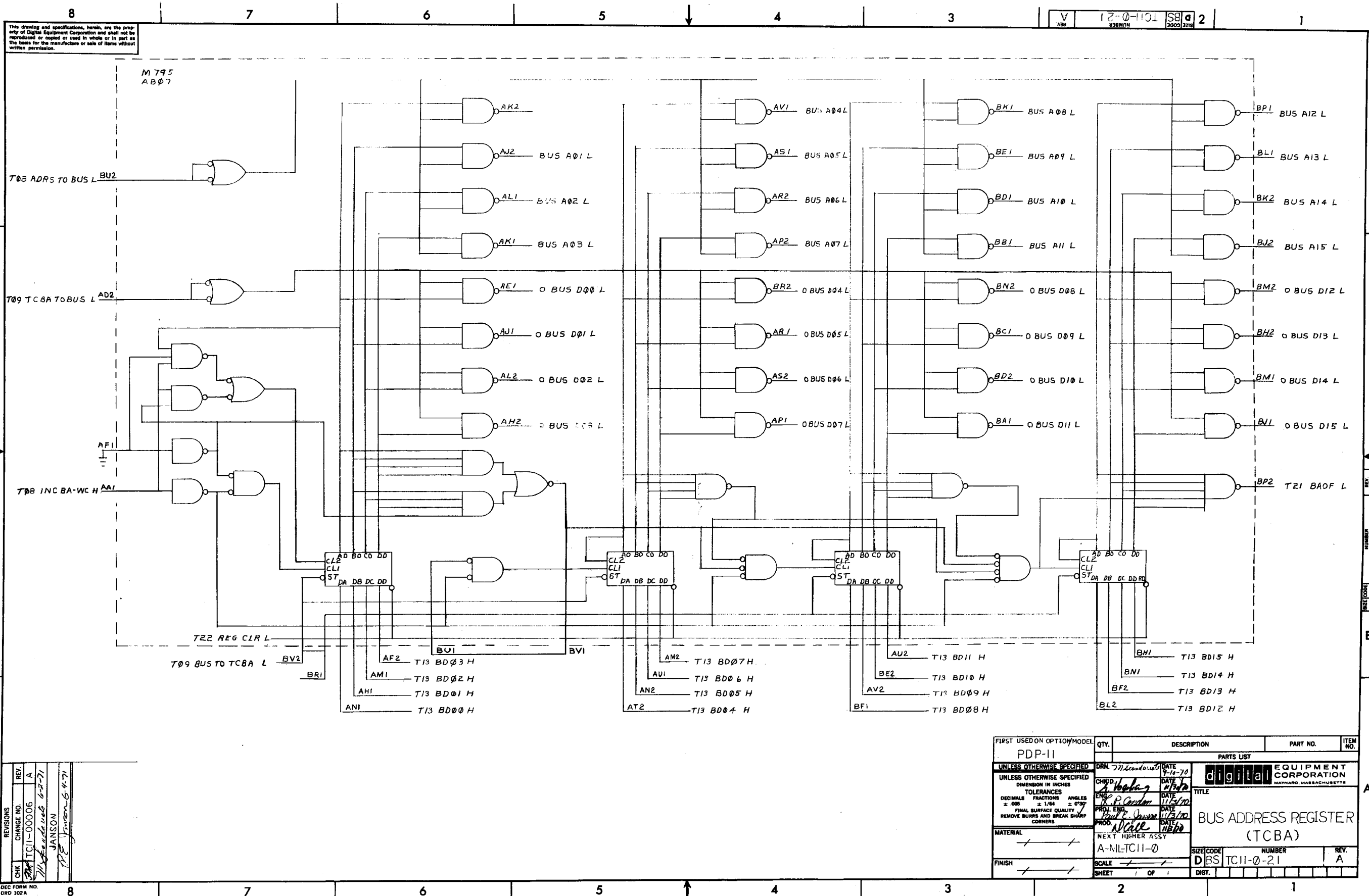
REVISIONS	CHANGE NO.	REV.
CHK		

DEC FORM NO. DRD 102A



FIRST USED OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	digital EQUIPMENT CORPORATION WAYNAD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED		CHNGD	DATE		
DIMENSION IN INCHES		ENG.	DATE		
TOLERANCES		PROJ. ENG.	DATE		
DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 90° FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		PROD.	DATE		
MATERIAL		NEXT RICEST ASSY		TITLE ADDR SEL AND INT CONT	
+ +		A-ML-TC11-φ			
FINISH		SCALE			
+ +		SHEET			
		OF			
		SIZE CODE		NUMBER	REV.
		DIST. TC11-7-19			C
		DIST.			



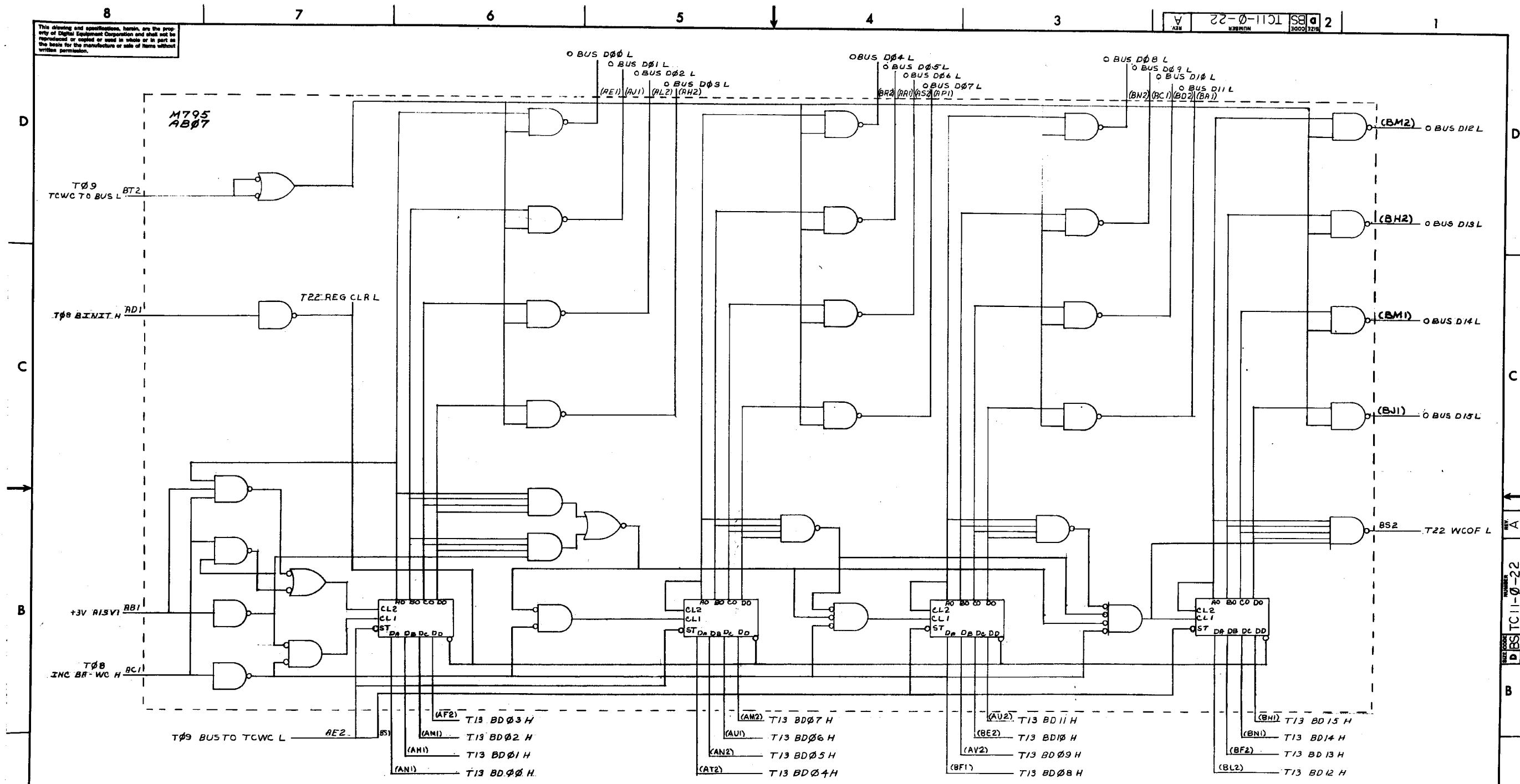


REV.	CHG.	NO.	DATE
1	1	00006	6-2-71
2	1	00007	6-2-71
3	1	00008	6-2-71
4	1	00009	6-2-71
5	1	00010	6-2-71
6	1	00011	6-2-71
7	1	00012	6-2-71
8	1	00013	6-2-71

FIRST USED ON OPTION MODEL PDP-11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
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. 777/Scandora CHKD. J. H. Hagan ENG. R. P. Gordon PROD. J. P. Gordon DATE 9-16-70 DATE 11-15-70 DATE 11-15-70 DATE 11-15-70	DATE 9-16-70 DATE 11-15-70 DATE 11-15-70 DATE 11-15-70	DATE 9-16-70 DATE 11-15-70 DATE 11-15-70 DATE 11-15-70	DATE 9-16-70 DATE 11-15-70 DATE 11-15-70 DATE 11-15-70
MATERIAL FINISH	NEXT HIGHER ASSY A-MTCH11-0	SCALE SHEET 1 OF 1	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE BUS ADDRESS REGISTER (TCBA) SIZE CODE D BS TC11-0-21 NUMBER REV. A	

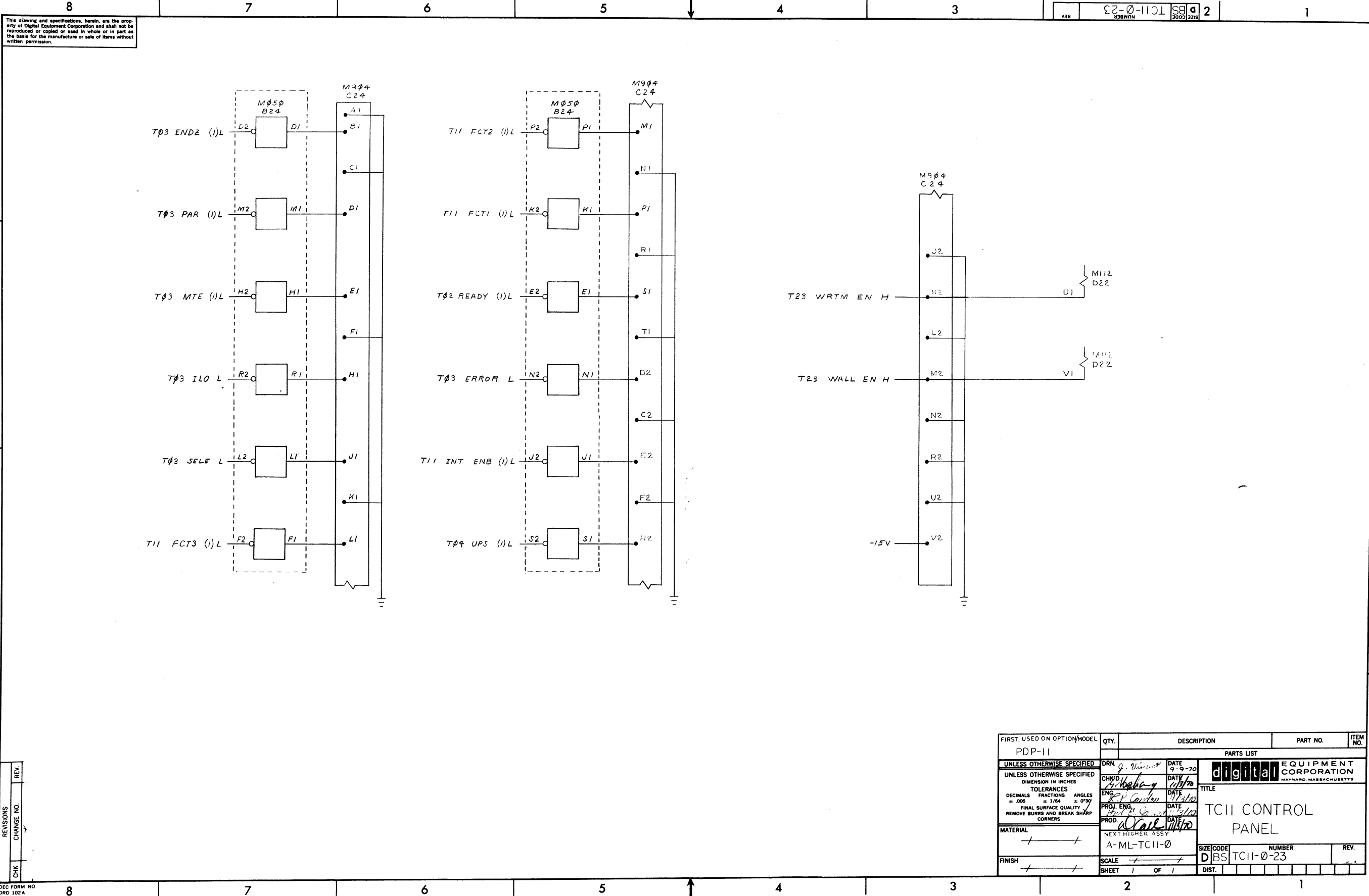
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22-0-1101 2

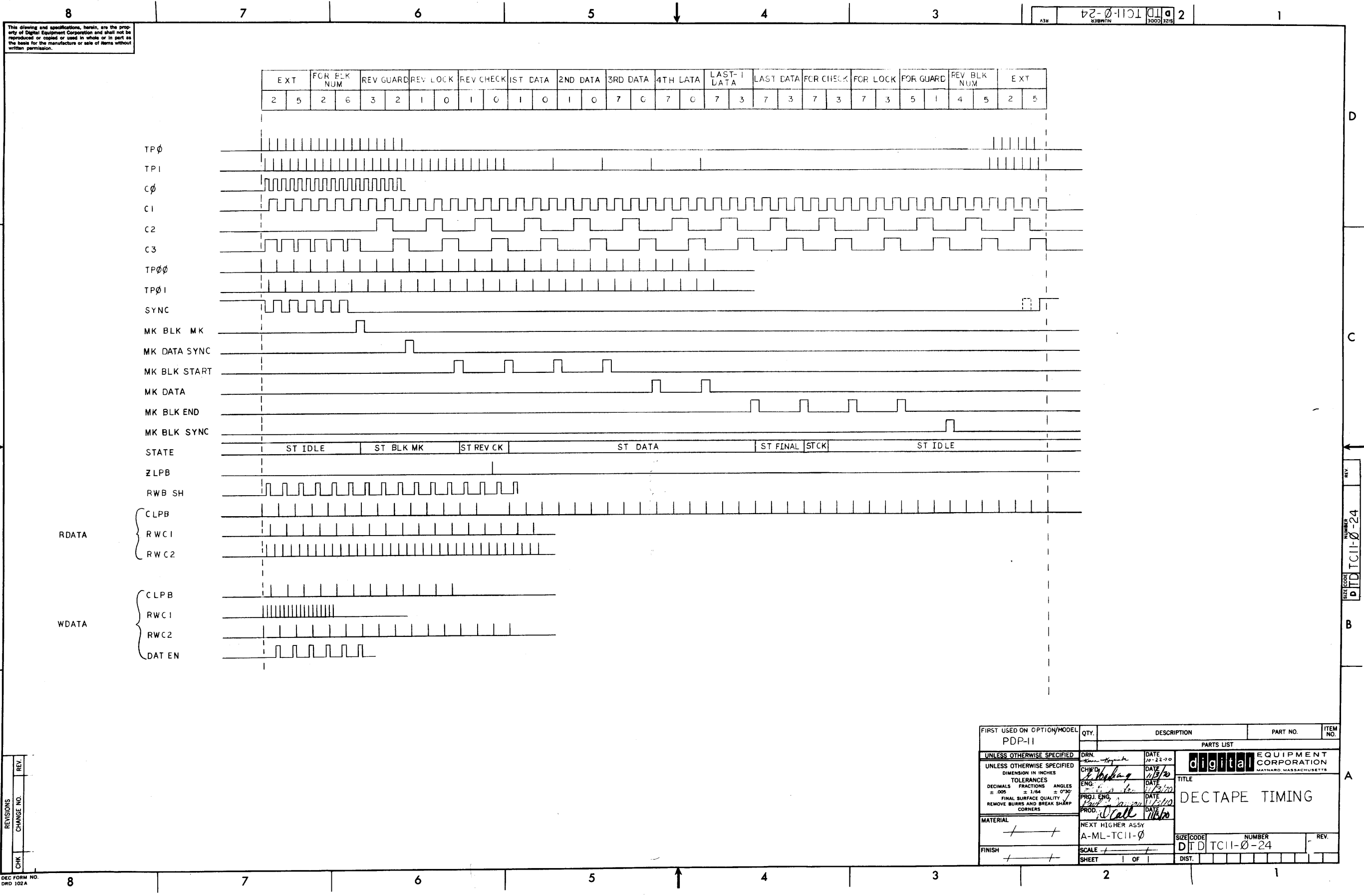


REV.	CHG.	NO.	DATE
1	1	1	11/3/70
2	2	2	11/3/70
3	3	3	11/3/70
4	4	4	11/3/70
5	5	5	11/3/70
6	6	6	11/3/70
7	7	7	11/3/70
8	8	8	11/3/70

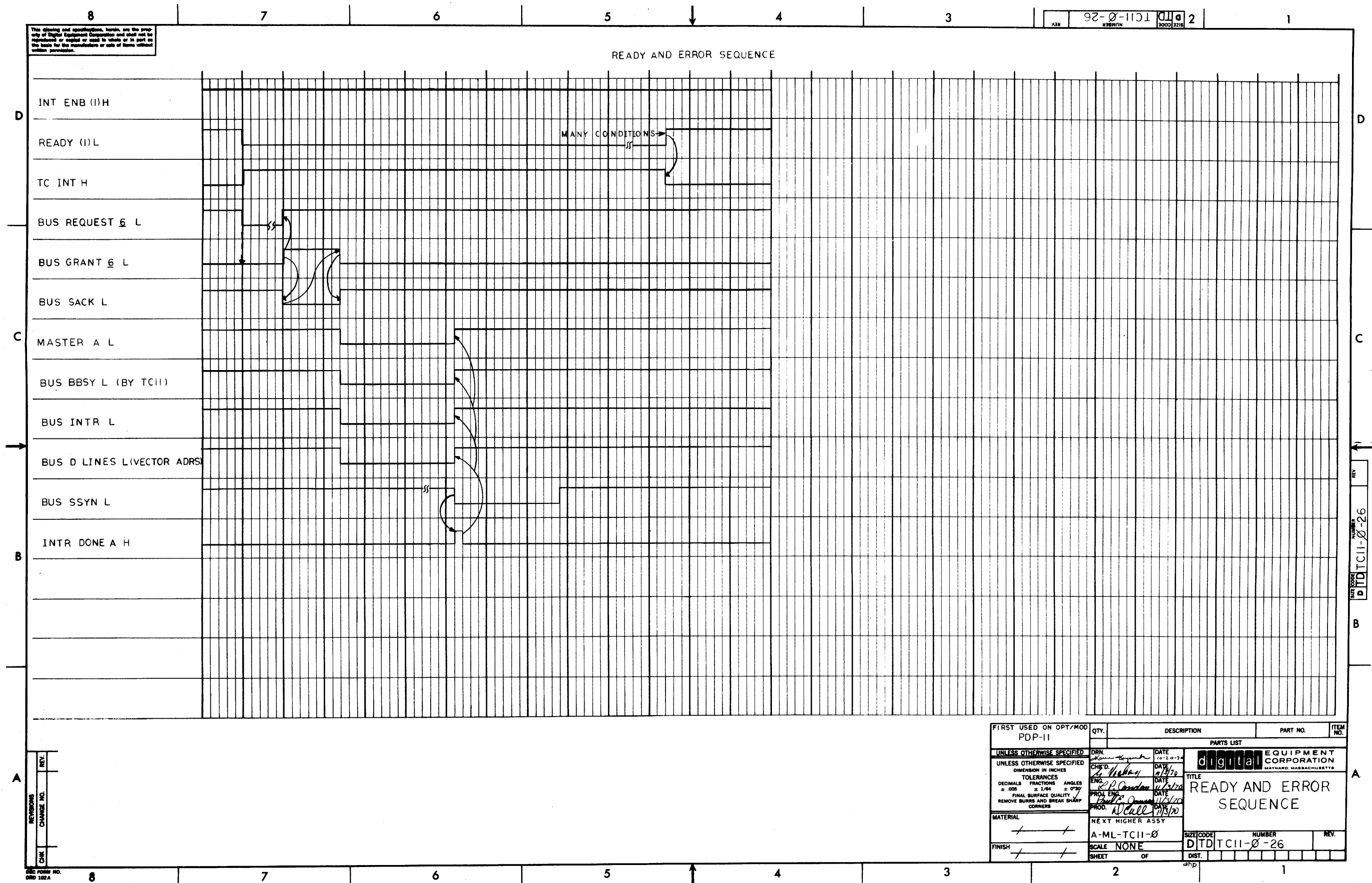
FIRST USED ON OPTION/MODEL PDP 11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSIONS IN INCHES		TITLE			
TOLERANCES		WORD COUNT REGISTER (TCWC)			
DECIMALS FRACTIONS ANGLES		SIZE/CODE NUMBER REV.			
± .005 ± 1/64 ± 0°30'		D B S T C 11 - 0 - 22 A			
FINAL SURFACE QUALITY		DIST.			
REMOVE BURRS AND BREAK SHARP CORNERS		SHEET 1 OF 1			
MATERIAL		NEXT HIGHER ASSY			
FINISH		SCALE			

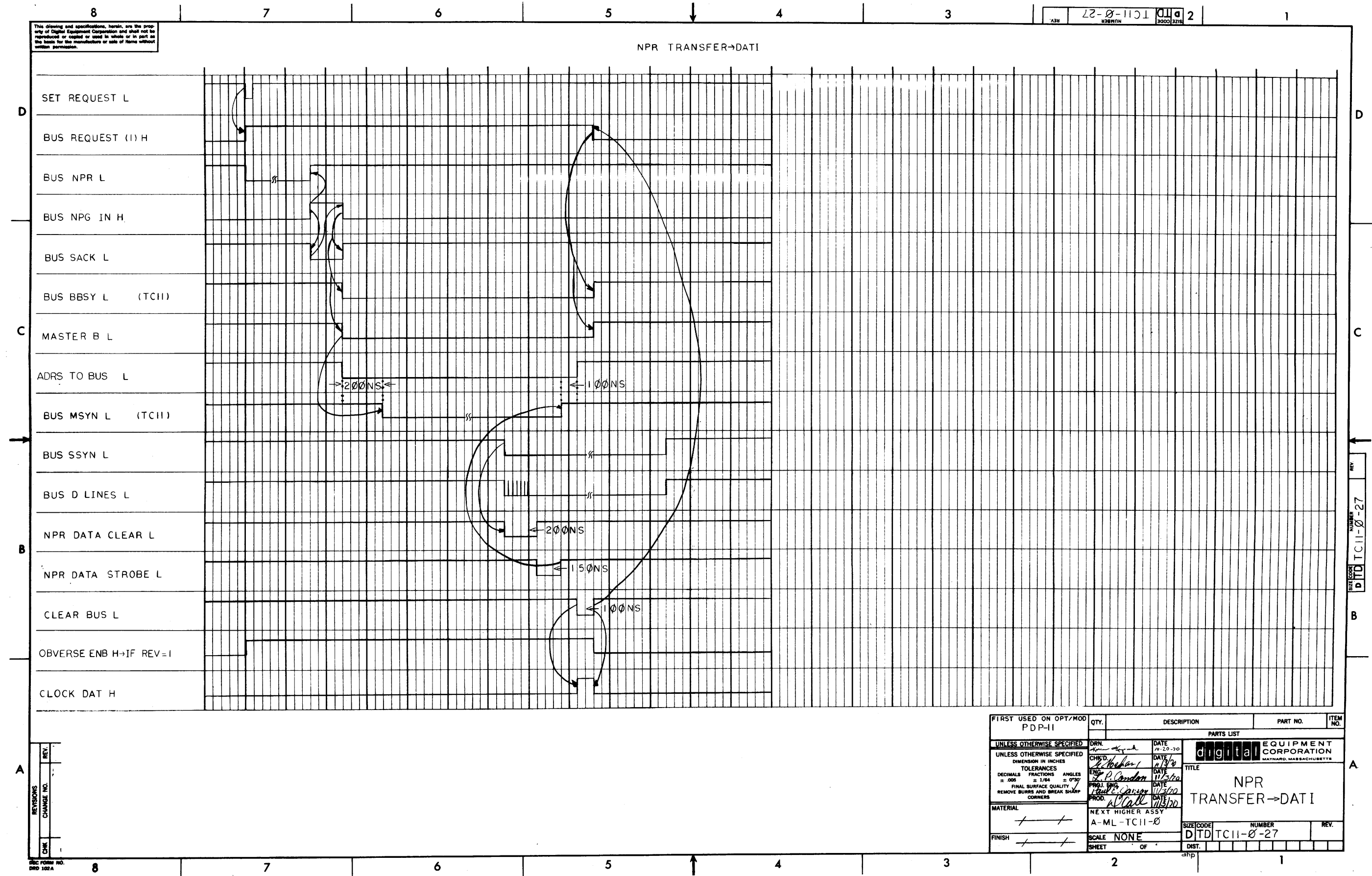


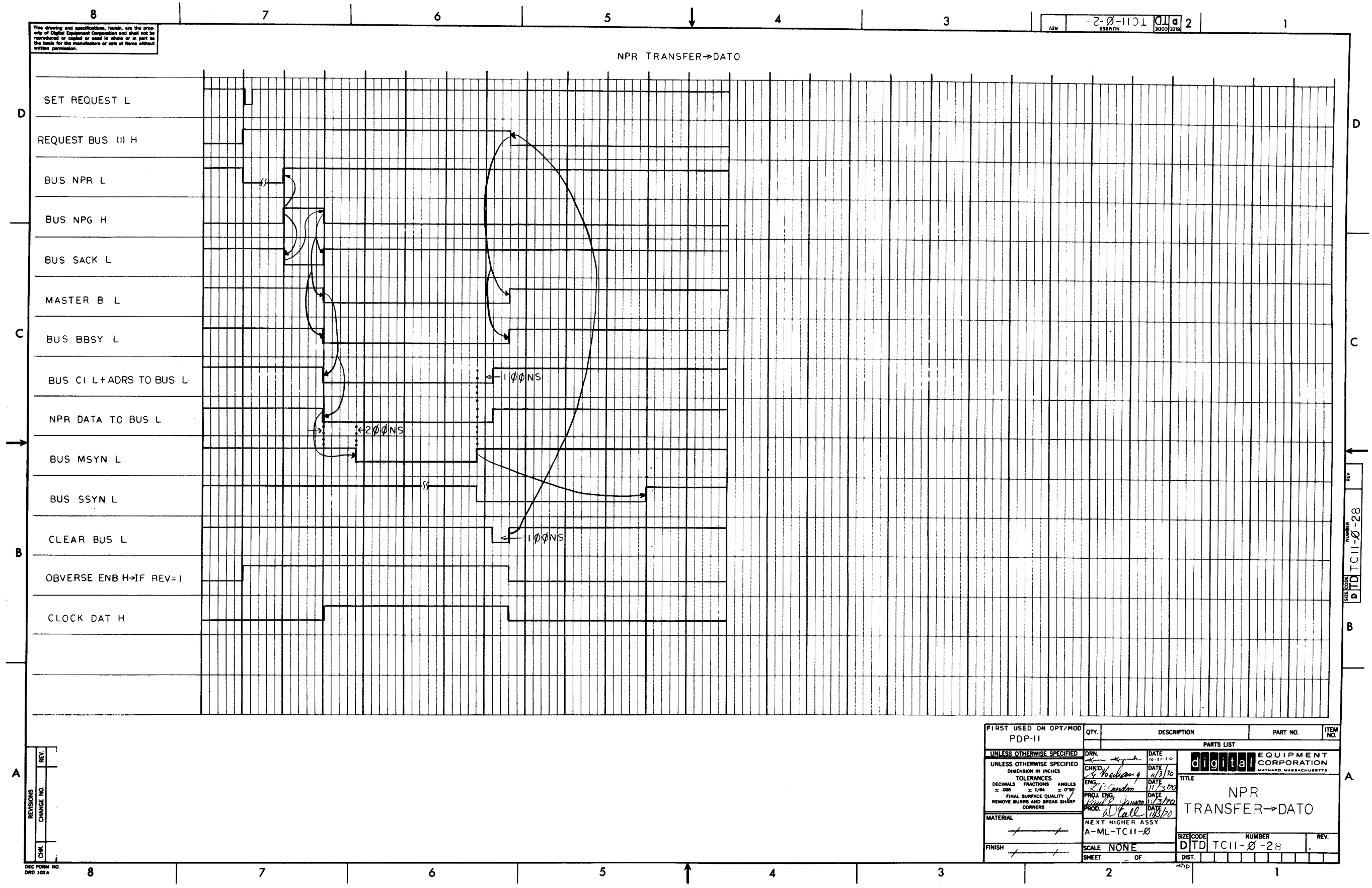
FIRST USED ON OPTION/MODEL PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		DRN.	PARTS LIST		
UNLESS OTHERWISE SPECIFIED		CHK'D	digital EQUIPMENT CORPORATION		
DIMENSION IN INCHES		DATE	MAYNARD, MASSACHUSETTS		
TOLERANCES		DATE	TITLE		
DECIMALS FRACTIONS ANGLES		DATE	TCII CONTROL PANEL		
± .005 ± 1/64 ± .030		DATE	SIZE CODE NUMBER		
FINAL SURFACE QUALITY		DATE	D BS TCII-0-23		
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	REV.		
MATERIAL		PROD.	DIST.		
NEXT HIGHER ASSY		SCALE	SHEET 1 OF 1		
FINISH					



FIRST USED ON OPTION/MODEL PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		OR.	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		CHD.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES		ENG.	DATE	TITLE	
TOLERANCES		PRD. ENG.	DATE	DECTAPE TIMING	
DECIMALS FRACTIONS ANGLES		PROD.	DATE	NEXT HIGHER ASSY	
± .005 ± 1/64 ± 0°30'		A-ML-TC11-0			
FINAL SURFACE QUALITY		SCALE			
REMOVE BURRS AND BREAK SHARP CORNERS		SHEET 1 OF 1			
MATERIAL		DIST.			
FINISH		REV.			







FIRST USED ON OPT/MOD PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
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. CHKD. ENG. PROJ. ENG. PROD.	DATE 10-21-70 4/3/70 11/3/70 11/3/70 10/6/70	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE NPR TRANSFER→DATO SIZE CODE D11 TC11-Ø-28 NUMBER REV.	
MATERIAL FINISH	NEXT HIGHER ASSY A-ML-TC11-Ø SCALE NONE SHEET 2 OF 2		DIST.		

DRWG NO		REV LTR	
K-WL-TCII-Ø-3Ø		F	

REVISIONS			
REV LTR	ECO NO	DATE	ENG
A	TCII-00002	2-2-71	[Signature]
B	TCII-00003	2-25-71	[Signature]
C	TCII-00006	6-2-71	[Signature]
D	TCII-00008	12-1-71	[Signature]
E	TCII-00010	4-13-72	[Signature]
F	TCII-00011	5-15-72	[Signature]

DRAWN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE			
T. Chutkanda	10/20/70		DECTAPE CONTROL			
CHECKED	DATE		TCII			
M. Varghese	10/31/70		FOR TAPE # FILE *			
ENG	DATE					
Larry P. Gordon	11/3/70	ASSY NO	SIZE	CODE	DWG. NO.	REV LTR
PROJ. ENG	DATE		K	WL	TCII-Ø-3Ø	F
P. E. Johnson	11/3/70	SCALE	SHEET OF		DIST.	
PROP	DATE					
W. Call	11/3/70					

TC11 F		HND288, V16(16) 03/31/72		Q		X		REMARKS		24-MAY-72		21112		PAGE 1	
RUN NAME	PIN	ORDER	BAY	Q	RV	PG	Y	Z		LENGTH	EXCEPTIONS	RUN	NUMBER		
*3 A13V1	A13V1	1-01 *	T01S	2	1	2						1	1		
*3 A13V1	A13V1	1-02 *	T10	1	1	2						1	1		
*3 A13V1	A13V1	1-03 *	T11	1	1	2						1	1		
*3 A13V1	A13V1	1-04 *	T11	1	1	2						1	1		
*3 A13V1	A13V1	1-05 *	T10	1	1	2						1	1		
*3 A13V1	A13V1	1-06 *	T10	1	1	2						1	1		
*3 A13V1	A13V1	1-07 *	T10	1	1	2						1	1		
*3 A13V1	A13V1	1-08 *	T21	1	1	2						1	1		
*3 B10R1	B10R1	1-01 *	T04	2	1	2				22-0/3		1	1		
*3 B10R1	B10R1	1-02 *	T10	2	1	2						1	1		
*3 B10R1	B10R1	1-03 *	T04S	2	1	2						1	1		
*3 B10R1	B10R1	1-04 *	T19	2	1	2				10-4/3		1	1		
*3 B11U1	B11U1	1-01 *	T03	2	1	2						1	1		
*3 B11U1	B11U1	1-02 *	T04	2	1	2						1	1		
*3 B11U1	B11U1	1-03 *	T01S	2	1	2				6-6/3		1	1		
*3 B13U1	B13U1	1-01 *	T03	2	1	2						1	1		
*3 B13U1	B13U1	1-02 *	T01S	2	1	2				7-0/3		1	1		
*3 C04R1	C04R1	1-01 *	T08	2	1	2						1	1		
*3 C04R1	C04R1	1-02 *	T08	2	1	2						1	1		
*3 C04R1	C04R1	1-03 *	T08S	2	1	2						1	1		
*3 C04R1	C04R1	1-04 *	T08	2	1	2				9-0/3		1	1		
*3 C10V1	C10V1	1-01 *	T07	2	1	2						1	1		
*3 C10V1	C10V1	1-02 *	T07S	2	1	2				4-4/3		1	1		
*3 C13V1	C13V1	1-01 *	T01S	2	1	2						1	1		
*3 C13V1	C13V1	1-02 *	T05	2	1	2						1	1		
*3 C13V1	C13V1	1-03 *	T05	2	1	2						1	1		
*3 C13V1	C13V1	1-04 *	T06	2	1	2						1	1		
*3 C13V1	C13V1	1-05 *	T06	2	1	2						1	1		
*3 C13V1	C13V1	1-06 *	T06	2	1	2						1	1		
*3 C13V1	C13V1	1-07 *	T06	2	1	2				17-2/3		1	1		
*3 C13V1	C13V1	1-07 *	T06	2	1	2						1	1		

TC11 F		HND288, V16(16) 03/31/72		Q		X		REMARKS		24-MAY-72		21112		PAGE 2	
RUN NAME	PIN	ORDER	BAY	Q	RV	PG	Y	Z		LENGTH	EXCEPTIONS	RUN	NUMBER		
*3 C20V1	C20V1	1-01 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-02 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-03 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-04 *	T01S	2	1	2						3	3		
*3 C20V1	C20V1	1-05 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-06 *	T02	2	1	2				17-6/3		3	3		
*3 C20V1	C20V1	1-01 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-02 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-03 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-04 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-05 *	T01S	2	1	2				11-4/3		3	3		
*3 C23U1	C23U1	1-01 *	T01S	2	1	2						3	3		
*3 C23U1	C23U1	1-02 *	T03	2	1	2				4-4/3		3	3		
*3 C05R1	C05R1	1-01 *	T04	2	1	2						3	3		
*3 C05R1	C05R1	1-02 *	T04	2	1	2						3	3		
*3 C05R1	C05R1	1-03 *	T04S	2	1	2						3	3		
*3 C05R1	C05R1	1-04 *	T04	2	1	2						3	3		
*3 C05R1	C05R1	1-05 *	T04	2	1	2				10-6/3		3	3		
*3 C11R1	C11R1	1-01 *	T04	2	1	2						3	3		
*3 C11R1	C11R1	1-02 *	T04	2	1	2						3	3		
*3 C11R1	C11R1	1-03 *	T04S	2	1	2						3	3		
*3 C11R1	C11R1	1-04 *	T04	2	1	2				9-0/3		3	3		
*3 C13V1	C13V1	1-01 *	T05	2	1	2						3	3		
*3 C13V1	C13V1	1-02 *	T05	2	1	2						3	3		
*3 C13V1	C13V1	1-03 *	T05	2	1	2						3	3		
*3 C13V1	C13V1	1-04 *	T07	2	1	2						3	3		
*3 C13V1	C13V1	1-05 *	T07	2	1	2						3	3		
*3 C13V1	C13V1	1-06 *	T07S	2	1	2				16-4/3		3	3		
*3 C13V1	C13V1	1-07 *	T07S	2	1	2						3	3		
*3 C20V1	C20V1	1-01 *	T02	2	1	2						3	3		
*3 C20V1	C20V1	1-02 *	T02	2	1	2				4-0/3		3	3		

TC11,F RUN NAME	A/P PIN NAME	HND288.V19(16) 03/31/72 ORDER PIN	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 3 RUN NUMBER
*3 D23V1	D23V1	1-01 *	T018		1				15
*3 D23V1	D23S2	1-02 *	T19		2				15
*3 D23V1	D23E2	1-03 *	T02				6-2/8		15
*3 D23V1		1							15
A06D2	A06D2	1-01 *	T00S		1				16
A06D2	B12R2	1-02 *	T00				7-4/8		16
A06D2		1							16
A06L2	A06L2	1-01 *	T00S		1				17
A06L2	C11J1	1-02 *	T00				8-2/8		17
A06L2		1							17
A06S1	A06S1	1-01 *	T02S		1				18
A06S1	B13P2	1-02 *	T02				7-2/8		18
A06S1		1							18
A06T2	A06T2	1-01 *	T19S		1				19
A06T2	B13D2	1-02 *	T19				6-4/8		19
A06T2		1							19
A06U1	A06S2	1-01 *	T19		1				20
A06U1	A06U1	1-02 *	T19S		2				20
A06U1	B13H1	1-03 *	T19				9-2/8		20
A06U1		1							20
A10D2	A10D2	1-01 *	T10S		1				21
A10D2	A10E2	1-02 *	T10				2-4/8		21
A10D2		1							21
A10V2	A10R2	1-01 *	T10		1				22
A10V2	A10V2	1-02 *	T10S				2-6/8		22
A10V2		1							22
A11L1	A11L1	1-01 *	T10S		1				23
A11L1	A11J1	1-02 *	T10				4-0/8		23
A11L1		1							23
A11M1	A11J1	1-01 *	T10		1				24
A11M1	A11M1	1-02 *	T10S		2				24
A11M1	A11S2	1-03 *	T10				5-6/8		24
A11M1		1							24
A13C1	A13C1	1-01 *	T14S		1				25
A13C1	B10L2	1-02 *	T14				6-6/8		25
A13C1		1							25

TC11,F RUN NAME	A/P PIN NAME	HND288.V19(16) 03/31/72 ORDER PIN	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 4 RUN NUMBER
A13F1	A13F1	1-01 *	T14S		1				26
A13F1	B10P1	1-02 *	T14				6-4/8		26
A13F1		1							26
A13F2	A13F2	1-01 *	T14S		1				27
A13F2	B10A1	1-02 *	T14				5-0/8		27
A13F2		1							27
A13K1	A13K1	1-01 *	T14S		1				28
A13K1	B10H1	1-02 *	T14				5-4/8		28
A13K1		1							28
A13K2	A13K2	1-01 *	T15S		1				29
A13K2	B14L2	1-02 *	T15				5-4/8		29
A13K2		1							29
A13N1	A13N1	1-01 *	T15S		1				30
A13N1	B14P1	1-02 *	T15				5-4/8		30
A13N1		1							30
A13N2	A13N2	1-01 *	T15S		1				31
A13N2	B14A1	1-02 *	T15				3-6/8		31
A13N2		1							31
A13S1	A13S1	1-01 *	T15S		1				32
A13S1	B14H1	1-02 *	T15				4-2/8		32
A13S1		1							32
A13S2	A13S2	1-01 *	T16S		1				33
A13S2	A10L2	1-02 *	T16				4-2/8		33
A13S2		1							33
A13V2	A13V2	1-01 *	T16S		1				34
A13V2	A10P1	1-02 *	T16				3-6/8		34
A13V2		1							34
A15E1	A14L2	1-01 *	T14		1				35
A15E1	A15E1	1-02 *	T14S				3-0/8		35
A15E1		1							35
A15J2	A15J2	1-01 *	T15		1				36
A15J2	A15J2	1-02 *	T15S				3-4/8		36
A15J2		1							36
A15L1	A14N2	1-01 *	T14		1				37
A15L1	A15L1	1-02 *	T14S				2-6/8		37
A15L1		1							37

TC11.F RUN NAME	A/P	PIN NAME	ORDER	24-MAY-72	21112	PAGE 7
				LENGTH	EXCEPTIONS	RUN NUMBER
ADRS TO BUS	L	B00F1	1-01 *	T009		60
ADRS TO BUS	L	B07U2	1-02 *	T21		60
ADRS TO BUS			1		4-0/8	60
ALL HALT	L	A19S2	1-01 *	T12		61
ALL HALT	L	D2BV2	1-02 *	T04S		61
ALL HALT			1		11-0/8	61
B04S2		B13E2	1-01 *	T19		62
B04S2		B13J1	1-02 *	T19		62
B04S2		B05S2	1-03 *	T19S		62
			1		9-6/8	62
B07U1		B07U1	1-01 *	T21		63
B07U1		B07V1	1-02 *	T21S		63
B07U1			1		2-4/8	63
B10A1		B10A1	1-01 *	T0BS		64
B10A1		B10C1	1-02 *	T0S		64
B10A1			1		2-4/8	64
B10D1		B10D1	1-01 *	T0BS		65
B10D1		B10D2	1-02 *	T0S		65
B10D1			1		2-4/8	65
B10F2		B10F2	1-01 *	T10S		66
B10F2		B10N1	1-02 *	T10		66
B10F2			1		3-2/8	66
B10H2		A11H1	1-01 *	T10		67
B10H2		B10H2	1-02 *	T10S		67
B10H2			1		5-2/8	67
B10K1		B10K1	1-01 *	T04S		68
B10K1		D13A1	1-02 *	T04		68
B10K1		D15E1	1-03 *	T04		68
B10K1		D23J1	1-04 *	T04		68
B10K1			1		17-6/8	68
B10M2		B10M2	1-01 *	T10S		69
B10M2		B10U2	1-02 *	T10		69
B10M2			1		3-0/8	69
B10P1		B10P1	1-01 *	T10S		70
B10P1		B10V1	1-02 *	T10		70
B10P1			1		3-0/8	70

TC11.F RUN NAME	A/P	PIN NAME	HND28B.V16(16) 03/31/72	ORDER PIN	BAY ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 8 RUN NUMBER
B12C1		B12C1			1-01 *		T10S					1				71
B12C1		C20B1			1-02 *		T10									71
B12C1					1									7-4/8		71
B12F1		A11D2			1-01 *		T10					1				72
B12F1		B12F1			1-02 *		T10S									72
B12F1					1									5-4/8		72
B12V2		B11H1			1-01 *		T08					1				73
B12V2		B12V2			1-02 *		T08S									73
B12V2					1									4-0/8		73
B13C1		A19A1			1-01 *		T16					1				74
B13C1		B13C1			1-02 *		T16									74
B13C1					1									6-0/8		74
B13F1		A16H1			1-01 *		T16					1				75
B13F1		B13F1			1-02 *		T16S									75
B13F1					1									5-4/8		75
B13F2		B13F2			1-01 *		T19S					1				76
B13F2		C0901			1-02 *		T19									76
B13F2					1									7-0/8		76
B13K1		B13K1			1-01 *		T19S					1				77
B13K1		C06H2			1-02 *		T19									77
B13K1					1									6-4/8		77
B13K2		A14L1			1-01 *		T10					1				78
B13K2		B13K2			1-02 *		T10S									78
B13K2					1									5-2/8		78
B13N2		A14H1			1-01 *		T10					1				79
B13N2		B13N2			1-02 *		T10S									79
B13N2					1									5-6/8		79
B13S1		B13S1			1-01 *		T04S					1	2			80
B13S1		C11S1			1-02 *		T04									80
B13S1		C09S1			1-03 *		T04									80
B13S1					1									13-2/8		80
B13S2		B13S2			1-01 *		T02S					1				81
B13S2		C10P2			1-02 *		T02									81
B13S2					1									8-4/8		81

TC11.F		HND288.V16(16)		03/31/72		24-MAY-72		2112		PAGE 9		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	PAGE RUN NUMBER
B13V2		B13V2		1-01 *		T04S		1		7-2/8		82
B13V2		C23B1		1-02 *								82
B13V2				1								82
B15E1		B14D2		1-01 *		T15		1		2-4/8		83
B15E1		B15E1		1-02 *		T15S						83
B15E1				1								83
B15J2		B14S1		1-01 *		T15		1		3-4/8		84
B15J2		B15J2		1-02 *		T15S						84
B15J2				1								84
B15L1		B14F2		1-01 *		T15		1		3-0/8		85
B15L1		B15L1		1-02 *		T15S						85
B15L1				1								85
B15P2		B14C1		1-01 *		T15		1		4-0/8		86
B15P2		B15P2		1-02 *		T15						86
B15P2				1								86
B15S1		B14N2		1-01 *		T15		1		2-6/8		87
B15S1		B15S1		1-02 *		T15S						87
B15S1				1								87
B15V2		B14K1		1-01 *		T15		1		3-6/8		88
B15V2		B15V2		1-02 *		T15S						88
B15V2				1								88
B17E1		B16D2		1-01 *		T14		1		2-4/8		89
B17E1		B17E1		1-02 *		T14S						89
B17E1				1								89
B17J2		B16S1		1-01 *		T14		1		3-4/8		90
B17J2		B17J2		1-02 *		T14S						90
B17J2				1								90
B17L1		B16F2		1-01 *		T14		1		3-0/8		91
B17L1		B17L1		1-02 *		T14S						91
B17L1				1								91
B17P2		B16C1		1-01 *		T14		1		4-0/8		92
B17P2		B17P2		1-02 *		T14S						92
B17P2				1								92
B17S1		B16N2		1-01 *		T14		1		2-6/8		93
B17S1		B17S1		1-02 *		T14S						93
B17S1				1								93

TC11.F										24-MAY-72		2112		PAGE 10			
HND288.V16(16) 03/31/72										LENGTH		EXCEPTIONS		RUN NUMBER			
A/P		PIN		ORDER		BAY		Q		DRAW RV PG Y		X		Z		REMARKS	
NAME		NAME		PIN		ORDER											
B17V2	B16K1		1-01	*		T14		1								94	
B17V2	B17V2		1-02	*		T14S										94	
B17V2			1													94	
B18U2	B18U2		1-01	*		T03S		1								95	
B18U2	D13P2		1-02	*		T03										95	
B18U2			1													95	
B19D2	B19D2		1-01	*		T12S		1								96	
B19D2	B19E2		1-02	*		T12										96	
B19D2	B12P1		1-03	*		T12										96	
B19D2			1													96	
B20J2	A22V2		1-01	*		T12		1								97	
B20J2	B20D2		1-02	*		T12		2								97	
B20J2	B20J2		1-03	*		T12S										97	
B20J2			1													97	
B20K2	B20K2		1-01	*		T12S		2								98	
B20K2	B20E2		1-02	*		T12										98	
B20K2	B22D2		1-03	*		T12										98	
B20K2			1													98	
B21J2	B21D2		1-01	*		T12		2								99	
B21J2	B21J2		1-02	*		T12S										99	
B21J2	B22H2		1-03	*		T12										99	
B21J2			1													99	
B21K2	B21E2		1-01	*		T12		2								100	
B21K2	B21K2		1-02	*		T12S										100	
B21K2	B22J2		1-03	*		T12										100	
B21K2			1													100	
B23J2	B23D2		1-01	*		T12		2								101	
B23J2	B23J2		1-02	*		T12S										101	
B23J2	B22N2		1-03	*		T12										101	
B23J2			1													101	
B23K2	B23E2		1-01	*		T12		2								102	
B23K2	B23K2		1-02	*		T12S										102	
B23K2	B22P2		1-03	*		T12										102	
B23K2			1													102	
B24D1	B24D1		1-01	*		T24S		1								103	
B24D1	C24B1		1-02	*		T24										103	
B24D1			1													103	

[illegible]

TC11.F RUN NAME	A/P	PIN NAME	HND288.V16(16) 03/31/72	ORDER	BAY	PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72	LENGTH	EXCEPTIONS	21112	PAGE 12
																			RUN NUMBER
B000	H	A05B1			1-01 *			T13S											116
B000	H	A06A1			1-02 *			T13											116
B000	H	A07N1			1-03 *			T21S/T22S											116
B000	H	A15R1			1-04 *			T15											116
B000	H	B15E1			1-05 *			T16											116
B000	H	C21D2			1-06 *			T05											116
B000					1											25-4/8			116
B000	L	A06B1						T13S									1-PIN RUN		117
B001	H	A05D2			1-01 *			T13S											118
B001	H	A07H1			1-02 *			T21S/T22S											118
B001	H	A12E1			1-03 *			T11											118
B001	H	A15D1			1-04 *			T14											118
B001	H	A13R1			1-05 *			T15											118
B001					1											16-2/8			118
B002	H	A05E1			1-01 *			T13S											119
B002	H	A07M1			1-02 *			T21S/T22S											119
B002	H	A12R1			1-03 *			T11											119
B002	H	A13J1			1-04 *			T14											119
B002	H	C17H1			1-05 *			T06											119
B002					1											20-4/8			119
B003	H	A05F2			1-01 *			T13S											120
B003	H	A07F2			1-02 *			T21S/T22S											120
B003	H	A12D1			1-03 *			T11											120
B003	H	B13B1			1-04 *			T16											120
B003	H	C17D2			1-05 *			T06											120
B003					1											19-0/8			120
B004	H	A05H1			1-01 *			T13S											121
B004	H	A07T2			1-02 *			T21S/T22S											121
B004	H	A12M1			1-03 *			T11											121
B004	H	A13M2			1-04 *			T15											121
B004	H	C17D1			1-05 *			T06											121
B004					1											19-4/8			121
B005	H	A05J2			1-01 *			T13S											122
B005	H	A07N2			1-02 *			T21S/T22S											122
B005	H	A11C1			1-03 *			T10											122
B005	H	A12K1			1-04 *			T11											122
B005	H	A15L2			1-05 *			T14											122
B005					1											14-4/8			122

TC11.F RUN NAME	A/P NAME	HND288.V15(16) PIN ORDER	03/31/72 BAY ORDER	Q DRAW	RV PG	Y X	Z REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 13 RUN NUMBER
B006	H	A05K1	1-01 *	T135			1			123
B006	H	A06J1	1-02 *	T135			2			123
B006	H	A07U1	1-03 *	T215/T225			1			123
B006	H	A12P1	1-04 *	T11			2			123
B006	H	A13U2	1-05 *	T16			1			123
B006	H	B13M2	1-06 *	T10				18-6/8		123
B006	L	A06K1	1-01 *	T135			1			124
B006	L	B13L2	1-02 *	T10				7-4/8		124
B007	H	A05L2	1-01 *	T135			2			125
B007	H	A07M2	1-02 *	T215/T225			1			125
B007	H	A13M1	1-03 *	T15				8-2/8		125
B008	H	A12A1	1-01 *	T11			1			126
B008	H	A13E1	1-02 *	T14			2			126
B008	H	A05M1	1-03 *	T135			1			126
B008	H	B07F1	1-04 *	T215/T225			2			126
B008	H	D04D2	1-05 *	T15			1			126
B008	H	D04H1	1-06 *	T04				25-6/8		126
B008	L	D04F2	1-01 *	T135			1			127
B008	L	D04K2	1-02 *	T04				2-6/8		127
B009	H	A13R2	1-01 *	T16			2			128
B009	H	A12V1	1-02 *	T11			1			128
B009	H	A07V2	1-03 *	T215/T225			2			128
B009	H	A05N2	1-04 *	T135			1			128
B009	H	D04N2	1-05 *	T04				25-2/8		128
B009	H	D04V1	1-06 *	T04						128
B010	H	A12B1	1-01 *	T11			2			129
B010	H	A13J2	1-02 *	T15			1			129
B010	H	A05P1	1-03 *	T135			2			129
B010	H	B07E2	1-04 *	T215/T225			1			129
B010	H	D04R2	1-05 *	T04				27-2/8		129
B010	H	D04V2	1-06 *	T04						129

TC11.F RUN NAME	A/P NAME	HND288.V15(16) PIN ORDER	03/31/72 BAY ORDER	Q DRAW	RV PG	Y X	Z REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 14 RUN NUMBER
B011	H	A15B1	1-01 *	T14			1			130
B011	H	A16P1	1-02 *	T11			2			130
B011	H	A05U1	1-03 *	T13			1			130
B011	H	A07U2	1-04 *	T215/T225			2			130
B011	H	A05R2	1-05 *	T135			1			130
B011	H	D04D1	1-06 *	T04				23-6/8		130
B011	L	A05V1	1-01 *	T135			1			131
B011	L	D04E1	1-02 *	T04				9-6/8		131
B012	H	A17D1	1-01 *	T16			1			132
B012	H	A12U1	1-02 *	T11			2			132
B012	H	A05S1	1-03 *	T135			1			132
B012	H	B07L2	1-04 *	T215/T225				16-6/8		132
B013	H	B07F2	1-01 *	T215/T225			2			133
B013	H	A05T2	1-02 *	T135			1			133
B013	H	A14M2	1-03 *	T11			2			133
B013	H	B15D1	1-04 *	T15				14-6/8		133
B014	H	A05U1	1-01 *	T135			2			134
B014	H	B07N1	1-02 *	T215/T225			1			134
B014	H	B17D1	1-03 *	T14				12-6/8		134
B015	H	A15N2	1-01 *	T16			2			135
B015	H	A05V2	1-02 *	T135			1			135
B015	H	A06U2	1-03 *	T13			2			135
B015	H	B07H1	1-04 *	T215/T225				14-4/8		135
B015	L	A05V2	1-01 *	T135			1			136
B015	L	D05U2	1-02 *	T05				10-2/8		136
B0C LO	H	B12P2	1-01 *	T08			1			137
B0C LO	H	A06J2	1-02 *	T085				7-0/8		137
B0C LO	H	B05E1	1-01 *	T205			1			138
B0C IN	H	C05U2	1-02 *					6-4/8		138

[illegible][illegible]

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 19			
A/P	PIN NAME	ORDER	PIN	BAY	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
BUS BR4																
BUS BR4	B01D2	1-01 *				T20S					2				174	
BUS BR4	B02D2	1-02 *				T20S					1				174	
BUS BR4	C02H2	1-03 *				T20							8-4/8		174	
BUS BR5																
BUS BR5	B01C1	1-01 *				T20S					2				175	
BUS BR5	B02C1	1-02 *				T20S					1				175	
BUS BR5	C02F2	1-03 *				T20							8-6/8		175	
BUS BR6																
BUS BR6	A01U2	1-01 *				T20S					2				176	
BUS BR6	A02U2	1-02 *				T20S					1				176	
BUS BR6	C02E2	1-03 *				T20S							9-4/8		176	
BUS BR7																
BUS BR7	A01T2	1-01 *				T20S					2				177	
BUS BR7	A02T2	1-02 *				T20S					1				177	
BUS BR7	C02D2	1-03 *				T20							9-4/8		177	
BUS BR7																
BUS C0																
BUS C0	B01U2	1-01 *				T20S					2				178	
BUS C0	B02U2	1-02 *				T20S					1				178	
BUS C0	B02J2	1-03 *				T19							6-6/8		178	
BUS C1																
BUS C1	B01T2	1-01 *				T20S					2				179	
BUS C1	B02T2	1-02 *				T20S					1				179	
BUS C1	B02F2	1-03 *				T19					2				179	
BUS C1	B02D1	1-04 *				T06S									179	
BUS D00													10-0/8		179	
BUS D00																
BUS D00	A01C1	1-01 *				T20S					2				180	
BUS D00	A02C1	1-02 *				T20S					1				180	
BUS D00	A04A1	1-03 *				T13S					2				180	
BUS D00	A05A1	1-04 *				T13							9-0/8		180	
BUS D01																
BUS D01	A01D2	1-01 *				T20S					2				181	
BUS D01	A02D2	1-02 *				T20S					1				181	
BUS D01	A04C1	1-03 *				T13S					2				181	
BUS D01	A05C1	1-04 *				T13							8-4/8		181	

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 20			
A/P	PIN NAME	ORDER	PIN	BAY	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
BUS D02																
BUS D02	A01D1	1-01 *				T20S					2				182	
BUS D02	A02D1	1-02 *				T20S					1				182	
BUS D02	A04D1	1-03 *				T13S					2				182	
BUS D02	A05D1	1-04 *				T13									182	
BUS D02	B02E2	1-05 *				T19S							14-0/8		182	
BUS D03																
BUS D03	A01E2	1-01 *				T20S					2				183	
BUS D03	A02E2	1-02 *				T20S					1				183	
BUS D03	A04E2	1-03 *				T13S					2				183	
BUS D03	A05E2	1-04 *				T13									183	
BUS D03	B02L1	1-05 *				T19S							14-4/8		183	
BUS D04																
BUS D04	A01E1	1-01 *				T20S					2				184	
BUS D04	A02E1	1-02 *				T20S					1				184	
BUS D04	A04F1	1-03 *				T13S					2				184	
BUS D04	A05F1	1-04 *				T13									184	
BUS D04	B02N2	1-05 *				T19S							15-0/8		184	
BUS D05																
BUS D05	A01F2	1-01 *				T20S					2				185	
BUS D05	A02F2	1-02 *				T20S					1				185	
BUS D05	A04H2	1-03 *				T13S					2				185	
BUS D05	A05H2	1-04 *				T13									185	
BUS D05	B02F1	1-05 *				T19S							13-6/8		185	
BUS D06																
BUS D06	A01F1	1-01 *				T20S					2				186	
BUS D06	A02F1	1-02 *				T20S					1				186	
BUS D06	A04J1	1-03 *				T13S					2				186	
BUS D06	A05J1	1-04 *				T13									186	
BUS D06	B02F2	1-05 *				T19S							14-0/8		186	
BUS D07																
BUS D07	A01H2	1-01 *				T20S					2				187	
BUS D07	A02H2	1-02 *				T20S					1				187	
BUS D07	A04K2	1-03 *				T13S					2				187	
BUS D07	A05K2	1-04 *				T13									187	
BUS D07	B02H1	1-05 *				T19S							14-0/8		187	

TC11.F		HND288.V16(16)		03/31/72		Q		24-MAY-72		21112		PAGE 21	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER	
BUS D08	L	A01H1		1-01 *	T208			2				188	
BUS D08	L	A02H1		1-02 *	T208			1				188	
BUS D08	L	A03L1		1-03 *	T135			2				188	
BUS D08	L	A05K1		1-05 *	T135			1				188	
BUS D08										14-2/8		188	
BUS D09	L	A01V2		1-01 *	T208			2				189	
BUS D09	L	A02V2		1-02 *	T208			1				189	
BUS D09	L	A04M2		1-03 *	T135			2				189	
BUS D09	L	A05M2		1-04 *	T135					9-0/8		189	
BUS D10	L	A01V1		1-01 *	T208			2				190	
BUS D10	L	A02V1		1-02 *	T208			1				190	
BUS D10	L	A04N1		1-04 *	T135			2				190	
BUS D10										9-0/8		190	
BUS D11	L	A01K2		1-01 *	T208			2				191	
BUS D11	L	A02K2		1-02 *	T208			1				191	
BUS D11	L	A04P2		1-03 *	T135			2				191	
BUS D11	L	A05P2		1-04 *	T135					9-0/8		191	
BUS D12	L	A01K1		1-01 *	T208			2				192	
BUS D12	L	A02K1		1-02 *	T208			1				192	
BUS D12	L	A04R1		1-04 *	T135			2				192	
BUS D12										9-2/8		192	
BUS D13	L	A01L2		1-01 *	T208			2				193	
BUS D13	L	A02L2		1-02 *	T208			1				193	
BUS D13	L	A04S2		1-03 *	T135			2				193	
BUS D13	L	A05S2		1-04 *	T135					9-0/8		193	
BUS D14	L	A01L1		1-01 *	T208			2				194	
BUS D14	L	A02L1		1-02 *	T208			1				194	
BUS D14	L	A04V1		1-03 *	T135			2				194	
BUS D14	L	A05V1		1-04 *	T135					9-2/8		194	

TC11.F		HND288.V16(16)		03/31/72		Q		24-MAY-72		21112		PAGE 22	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER	
BUS D15	L	A01M2		1-01 *	T208			2				195	
BUS D15	L	A02M2		1-02 *	T208			1				195	
BUS D15	L	A04U2		1-03 *	T135			2				195	
BUS D15	L	A05U2		1-04 *	T135					9-2/8		195	
BUS DC LO	L	A06H2		1-01 *	T08			1				196	
BUS DC LO	L	B02F2		1-02 *	T208			2				196	
BUS DC LO	L	B01F2		1-03 *	T208					8-4/8		196	
BUS INIT	L	A01A1		1-01 *	T208			2				197	
BUS INIT	L	A02A1		1-02 *	T208			1				197	
BUS INIT	L	A06C1		1-03 *	T08					7-2/8		197	
BUS INTR	L	A01B1		1-01 *	T208			2				198	
BUS INTR	L	A02B1		1-02 *	T208			1				198	
BUS INTR	L	B05M1		1-03 *	T135					9-4/8		198	
BUS MSYN	L	B02V1		1-01 *	T208			2				199	
BUS MSYN	L	B01V1		1-02 *	T208			1				199	
BUS MSYN	L	B04E1		1-03 *	T135			2				199	
BUS MSYN	L	B06E1		1-04 *	T08					10-4/8		199	
BUS NPC IN	H	A01U1		1-01 *	T208			1				200	
BUS NPC IN	H	B05B1		1-02 *						4-6/8		200	
BUS NPC OUT	H	A02U1		1-01 *	T20			1				201	
BUS NPC OUT	H	B05V2		1-02 *						6-0/8		201	
BUS NPR	L	A01S2		1-01 *	T208			2				202	
BUS NPR	L	A02S2		1-02 *	T208			1				202	
BUS NPR	L	B05J1		1-03 *				2				202	
BUS NPR	L	B05U2		1-04 *						11-0/8		202	
BUS PA	L	A01M1		1-01 *	T208			1				203	
BUS PA	L	A02M1		1-02 *	T208					2-6/8		203	

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 23			
A/P	PIN NAME	ORDER	PIN	BAY -	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
BUS PB	L	A01N2		1-01 *		T20S					1				204	
BUS PB	L	A02N2		1-02 *		T20S									204	
BUS PB				1									2-6/8		204	
BUS REQUEST	L	B05P1		1-01 *							1				205	
BUS REQUEST	L	C05J2		1-02 *		T20									205	
BUS REQUEST				1									4-4/8		205	
BUS SACK	L	A01R2		1-01 *		T20S					2				206	
BUS SACK	L	A02R2		1-02 *		T20S					1				206	
BUS SACK	L	B05T2		1-03 *		T19S									206	
BUS SACK				1									8-6/8		206	
BUS SSYN	L	A00D1		1-01 *		T08					2				207	
BUS SSYN	L	B00K1		1-02 *		T08S					1				207	
BUS SSYN	L	B02U1		1-03 *		T20S					2				207	
BUS SSYN	L	B01U1		1-04 *		T20S					2				207	
BUS SSYN				1									14-4/8		207	
BUS TO DAT	H	B17C1		1-01 *		T14					1				208	
BUS TO DAT	H	B15C1		1-02 *		T15					1				208	
BUS TO DAT	H	A15M2		1-03 *		T16					1				208	
BUS TO DAT	H	A17C1		1-04 *		T14					1				208	
BUS TO DAT	H	A15D2		1-05 *		T14					1				208	
BUS TO DAT	H	A15A1		1-06 *		T14					1				208	
BUS TO DAT	H	A15A2		1-07 *		T14					1				208	
BUS TO DAT	H	A15M2		1-08 *		T15					1				208	
BUS TO DAT	H	A15M1		1-09 *		T14					1				208	
BUS TO DAT	H	A15J1		1-10 *		T15					1				208	
BUS TO DAT	H	A15J2		1-11 *		T15					1				208	
BUS TO DAT	H	A15J2		1-12 *		T15					1				208	
BUS TO DAT	H	A15J2		1-13 *		T16					1				208	
BUS TO DAT	H	A15T2		1-14 *		T16					1				208	
BUS TO DAT	H	B15A1		1-15 *		T16					1				208	
BUS TO DAT	H	B15D1		1-16 *		T16					1				208	
BUS TO DAT	H	C15G1		1-17 *		T09S					1				208	
BUS TO DAT				1									53-0/8		208	
BUS TO MAINT	H	A15B1		1-01 *		T10					1				209	
BUS TO MAINT	H	B12K1		1-02 *		T09S					1				209	
BUS TO MAINT	H	B13M2		1-03 *		T10					1				209	
BUS TO MAINT	H	B13J2		1-04 *		T10					1				209	
BUS TO MAINT				1									12-2/8		209	

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 24			
A/P	PIN NAME	ORDER	PIN	BAY -	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
BUS TO RWB	H	B12N1		1-01 *		T09S					2				210	
BUS TO RWB	H	C17E1		1-02 *		T06					1				210	
BUS TO RWB	H	C17J1		1-03 *		T06					1				210	
BUS TO RWB				1									11-0/8		210	
BUS TO TCBA	L	B07R1		1-01 *		T21					2				211	
BUS TO TCBA	L	B07V2		1-02 *		T21					1				211	
BUS TO TCBA	L	C00M2		1-03 *		T09S							7-2/8		211	
BUS TO TCBA				1											211	
BUS TO TCCM	H	A12K2		1-01 *		T11					2				212	
BUS TO TCCM	H	A12S1		1-02 *		T11					1				212	
BUS TO TCCM	H	C11E1		1-03 *		T09S									212	
BUS TO TCCM				1									9-6/8		212	
BUS TO TCCM+1	H	A12P2		1-01 *		T11					2				213	
BUS TO TCCM+1	H	A11L2		1-02 *		T11					1				213	
BUS TO TCCM+1	H	A11N1		1-03 *		T11					1				213	
BUS TO TCCM+1	H	C11F2		1-04 *		T09S					1				213	
BUS TO TCCM+1				1									20-2/8		213	
BUS TO TCCM+1				1											213	
BUS TO TCWC	L	A07E2		1-01 *		T22					1				214	
BUS TO TCWC	L	B07S1		1-02 *		T22					2				214	
BUS TO TCWC	L	C00M2		1-03 *		T09S							10-6/8		214	
BUS TO TCWC				1											214	
BUS TO XDAT	H	A15C1		1-01 *		T14					2				215	
BUS TO XDAT	H	A15P1		1-02 *		T15					1				215	
BUS TO XDAT	H	B13K2		1-03 *		T09S							8-6/8		215	
BUS TO XDAT				1											215	
C0(0)	H	C13B1		1-01 *		T06					1				216	
C0(0)	H	C13H1		1-02 *		T06					1				216	
C0(0)	H	C13N1		1-03 *		T06					1				216	
C0(0)	H	C13M2		1-04 *		T03					1				216	
C0(0)	H	D19V2		1-05 *		T02S					1				216	
C0(0)	H	D23K2		1-06 *		T04					1				216	
C0(0)	H	D22A1		1-07 *		T05					1				216	
C0(0)				1									25-2/8		216	

[illegible][illegible]

TC11,F RUN NAME	A/P	HND286,V16(16) 03/23/72	Q	DRW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 27 RUN NUMBER
TC11,F RUN NAME	NAME	PIN	ORDER	PIN	ORDER	NAME							
C00D1	C00D1		1-01 *		T02S				1				238
C00D1	D17H1		1-02 *		T00								238
C00D1			1								7-4/8		238
C00H2	C00H2		1-01 *		T02S				1				239
C00H2	C00N1		1-02 *		T02								239
C00H2			1								8-8/8		239
C00M2	C00M2		1-01 *		T02S				1				240
C00M2	C000P1		1-02 *		T02								240
C00M2			1								7-6/8		240
C00N1	C07L2		1-01 *		T02				1				241
C00N1	C00N1		1-02 *		T02S								241
C00N1			1								3-2/8		241
C00S2	C00K2		1-01 *		T02				1				242
C00S2	C0002		1-02 *		T02S								242
C00S2			1								4-2/8		242
C00U1	C00U1		1-01 *		T02S				1				243
C00U1	C00H1		1-02 *		T02								243
C00U1			1								8-4/8		243
C00V1	C00R2		1-01 *		T02				1				244
C00V1	C00V1		1-02 *		T02S								244
C00V1			1								3-0/8		244
C1(0)	C22P1		1-01 *		T02S				2	1			245
C1(0)	D14C1		1-02 *		T07								245
C1(0)	D13D2		1-03 *		T04								245
C1(0)			1								9-4/8		245
C1(1)	C20F2		1-01 *		T02				2	1			246
C1(1)	C21L2		1-02 *		T05								246
C1(1)	C22J1		1-03 *		T02				1	2			246
C1(1)	C22D1		1-04 *		T02								246
C1(1)	C22F2		1-05 *		T02				1	2			246
C1(1)	C22N2		1-06 *		T02								246
C1(1)	C22U2		1-07 *		T02S				1	2			246
C1(1)	C2201		1-08 *		T05								246
C1(1)	D17H2		1-09 *		T07				1	2			246
C1(1)	D13D2		1-10 *		T05								246
C1(1)	D13J1		1-11 *		T04								246
C1(1)	D09J2		1-12 *		T00				1	2			246
C1(1)			1								10-4/8		246

[illegible]

[illegible]

TC11.F RUN NAME	A/P NAME	HND288.V16(16) ORDER PIN	03/31/72 BAY ORDER	G	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 30 RUN NUMBER
C19M2	C19M2	C19M2	1-01 *		T07S					1		7-2/8		270
C19M2	C19M2	C19M2	1-02 *		T07									270
C19M2	C19M2	C19M2	1-03 *		T05S					1		4-2/8		271
C19M2	C19M2	C19M2	1-04 *		T05									271
C19M2	C19M2	C19M2	1-05 *		T05S					1		3-2/8		272
C19M2	C19M2	C19M2	1-06 *		T05									272
C19M2	C19M2	C19M2	1-07 *		T05S					1		17-2/8		273
C19M2	C19M2	C19M2	1-08 *		T05					1				273
C19M2	C19M2	C19M2	1-09 *		T05					1				273
C19M2	C19M2	C19M2	1-10 *		T05S					1				273
C19M2	C19M2	C19M2	1-11 *		T05					1				273
C19M2	C19M2	C19M2	1-12 *		T05S					1				273
C19M2	C19M2	C19M2	1-13 *		T05					1				273
C19M2	C19M2	C19M2	1-14 *		T05S					1				273
C19M2	C19M2	C19M2	1-15 *		T05					1				273
C19M2	C19M2	C19M2	1-16 *		T05S					1				273
C19M2	C19M2	C19M2	1-17 *		T05					1				273
C19M2	C19M2	C19M2	1-18 *		T05S					1				273
C19M2	C19M2	C19M2	1-19 *		T05					1				273
C19M2	C19M2	C19M2	1-20 *		T05S					1				273
C19M2	C19M2	C19M2	1-21 *		T05					1				273
C19M2	C19M2	C19M2	1-22 *		T05S					1				273
C19M2	C19M2	C19M2	1-23 *		T05					1				273
C19M2	C19M2	C19M2	1-24 *		T05S					1				273
C19M2	C19M2	C19M2	1-25 *		T05					1				273
C19M2	C19M2	C19M2	1-26 *		T05S					1				273
C19M2	C19M2	C19M2	1-27 *		T05					1				273
C19M2	C19M2	C19M2	1-28 *		T05S					1				273
C19M2	C19M2	C19M2	1-29 *		T05					1				273
C19M2	C19M2	C19M2	1-30 *		T05S					1				273
C19M2	C19M2	C19M2	1-31 *		T05					1				273
C19M2	C19M2	C19M2	1-32 *		T05S					1				273
C19M2	C19M2	C19M2	1-33 *		T05					1				273
C19M2	C19M2	C19M2	1-34 *		T05S					1				273
C19M2	C19M2	C19M2	1-35 *		T05					1				273
C19M2	C19M2	C19M2	1-36 *		T05S					1				273
C19M2	C19M2	C19M2	1-37 *		T05					1				273
C19M2	C19M2	C19M2	1-38 *		T05S					1				273
C19M2	C19M2	C19M2	1-39 *		T05					1				273
C19M2	C19M2	C19M2	1-40 *		T05S					1				273
C19M2	C19M2	C19M2	1-41 *		T05					1				273
C19M2	C19M2	C19M2	1-42 *		T05S					1				273
C19M2	C19M2	C19M2	1-43 *		T05					1				273
C19M2	C19M2	C19M2	1-44 *		T05S					1				273
C19M2	C19M2	C19M2	1-45 *		T05					1				273
C19M2	C19M2	C19M2	1-46 *		T05S					1				273
C19M2	C19M2	C19M2	1-47 *		T05					1				273
C19M2	C19M2	C19M2	1-48 *		T05S					1				273
C19M2	C19M2	C19M2	1-49 *		T05					1				273
C19M2	C19M2	C19M2	1-50 *		T05S					1				273
C19M2	C19M2	C19M2	1-51 *		T05					1				273
C19M2	C19M2	C19M2	1-52 *		T05S					1				273
C19M2	C19M2	C19M2	1-53 *		T05					1				273
C19M2	C19M2	C19M2	1-54 *		T05S					1				273
C19M2	C19M2	C19M2	1-55 *		T05					1				273
C19M2	C19M2	C19M2	1-56 *		T05S					1				273
C19M2	C19M2	C19M2	1-57 *		T05					1				273
C19M2	C19M2	C19M2	1-58 *		T05S					1				273
C19M2	C19M2	C19M2	1-59 *		T05					1				273
C19M2	C19M2	C19M2	1-60 *		T05S					1				273
C19M2	C19M2	C19M2	1-61 *		T05					1				273
C19M2	C19M2	C19M2	1-62 *		T05S					1				273
C19M2	C19M2	C19M2	1-63 *		T05					1				273
C19M2	C19M2	C19M2	1-64 *		T05S					1				273
C19M2	C19M2	C19M2	1-65 *		T05					1				273
C19M2	C19M2	C19M2	1-66 *		T05S					1				273
C19M2	C19M2	C19M2	1-67 *		T05					1				273
C19M2	C19M2	C19M2	1-68 *		T05S					1				273
C19M2	C19M2	C19M2	1-69 *		T05					1				273
C19M2	C19M2	C19M2	1-70 *		T05S					1				273
C19M2	C19M2	C19M2	1-71 *		T05					1				273
C19M2	C19M2	C19M2	1-72 *		T05S					1				273
C19M2	C19M2	C19M2	1-73 *		T05					1				273
C19M2	C19M2	C19M2	1-74 *		T05S					1				273
C19M2	C19M2	C19M2	1-75 *		T05					1				273
C19M2	C19M2	C19M2	1-76 *		T05S					1				273
C19M2	C19M2	C19M2	1-77 *		T05					1				273
C19M2	C19M2	C19M2	1-78 *		T05S					1				273
C19M2	C19M2	C19M2	1-79 *		T05					1				273
C19M2	C19M2	C19M2	1-80 *		T05S					1				273
C19M2	C19M2	C19M2	1-81 *		T05					1				273
C19M2	C19M2	C19M2	1-82 *		T05S					1				273
C19M2	C19M2	C19M2	1-83 *		T05					1				273
C19M2	C19M2	C19M2	1-84 *		T05S					1				273
C19M2	C19M2	C19M2	1-85 *		T05					1				273
C19M2	C19M2	C19M2	1-86 *		T05S					1				273
C19M2	C19M2	C19M2	1-87 *		T05					1				273
C19M2	C19M2	C19M2	1-88 *		T05S					1				273
C19M2	C19M2	C19M2	1-89 *		T05					1				273
C19M2	C19M2	C19M2	1-90 *		T05S					1				273
C19M2	C19M2	C19M2	1-91 *		T05					1				273
C19M2	C19M2	C19M2	1-92 *		T05S					1				273
C19M2	C19M2	C19M2	1-93 *		T05					1				273
C19M2	C19M2	C19M2	1-94 *		T05S					1				273
C19M2	C19M2	C19M2	1-95 *		T05					1				273
C19M2	C19M2	C19M2	1-96 *		T05S					1				273
C19M2	C19M2	C19M2	1-97 *		T05					1				273
C19M2	C19M2	C19M2	1-98 *		T05S					1				273
C19M2	C19M2	C19M2	1-99 *		T05					1				273
C19M2	C19M2	C19M2	1-100 *		T05S					1				273

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN NAME	ORDER PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 31 RUN NUMBER
C28V2		C19K1	1-01 *		T05					1				279
C28V2		C20V2	1-02 *		T05S									279
C28V2			1									3-6/8		279
C21D1		C10K2	1-01 *		T08					1				280
C21D1		C10L2	1-02 *		T08					2				280
C21D1		C21D1	1-03 *		T08S									280
C21D1			1									10-4/8		280
C21J1		C10M2	1-01 *		T08					1				281
C21J1		C21J1	1-02 *		T08S									281
C21J1			1									8-0/8		281
C21N1		C20R1	1-01 *		T02					1				282
C21N1		C21N1	1-02 *		T02S									282
C21N1			1									3-0/8		282
C21V1		A14F2	1-01 *		T03					1				283
C21V1		C21V1	1-02 *		T03S									283
C21V1			1									10-4/8		283
C23E1		C17J2	1-01 *		T04					1				284
C23E1		C23E1	1-02 *		T04S									284
C23E1			1									5-2/8		284
C23J2		C23J2	1-01 *		T02S					1				285
C23J2		D22H2	1-02 *		T02									285
C23J2			1									5-2/8		285
C23L1		C07M2	1-01 *		T02					1				286
C23L1		C23L1	1-02 *		T02S									286
C23L1			1									10-2/8		286
C23S1		C23E2	1-01 *		T02					1				287
C23S1		C23S1	1-02 *		T02S									287
C23S1			1									3-6/8		287
C28	H	C20E2	1-01 *		T02					2				288
C28	H	C21M1	1-02 *		T02					1				288
C28	H	D10R2	1-03 *		T07					2				288
C28	H	D10U1	1-04 *		T02S									288
C28			1									13-2/8		288
C3(0)	H	C22A1	1-01 *		T02S					1				289
C3(0)	H	C22L2	1-02 *		T02									289
C3(0)			1									3-6/8		289

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN NAME	ORDER PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 32 RUN NUMBER
C3(1)	H	C23J2	1-01 *		T02S					2				290
C3(1)	H	C19P1	1-02 *		T05					1				290
C3(1)	H	C19S1	1-03 *		T05					1				290
C3(1)	H	D11E2	1-04 *		T07					2				290
C3(1)	H	D15E2	1-05 *		T05					1				290
C3(1)	H	D15P1	1-06 *		T03									290
C3(1)	H	C09L2	1-07 *		T02							25-4/8		290
C3(1)			1											290
CLEAR BUS		B00P2	1-01 *		T08S					2				291
CLEAR BUS	H	C07M2	1-02 *		T08					1				291
CLEAR BUS	H	C21A1	1-03 *		T08									291
CLEAR BUS			1									13-6/8		291
CLEAR BUS	L	B00N2	1-01 *		T08S					1				292
CLEAR BUS	L	B11J1	1-02 *		T08									292
CLEAR BUS			1									4-6/8		292
CLEAR DAT	L	A10D1	1-01 *		T16					2				293
CLEAR DAT	L	A10D1	1-02 *		T16					1				293
CLEAR DAT	L	A10M2	1-03 *		T16					2				293
CLEAR DAT	L	A10L1	1-04 *		T16					1				293
CLEAR DAT	L	A10P2	1-05 *		T16					2				293
CLEAR DAT	L	A10T2	1-06 *		T14					1				293
CLEAR DAT	L	B10D1	1-07 *		T14					2				293
CLEAR DAT	L	B10H2	1-08 *		T14					1				293
CLEAR DAT	L	B10L1	1-09 *		T14					2				293
CLEAR DAT	L	B10P2	1-10 *		T14					1				293
CLEAR DAT	L	B10T2	1-11 *		T14					2				293
CLEAR DAT	L	B10H2	1-12 *		T15					1				293
CLEAR DAT	L	B10P2	1-13 *		T15					2				293
CLEAR DAT	L	B10H2	1-14 *		T15					1				293
CLEAR DAT	L	B10D1	1-15 *		T15					2				293
CLEAR DAT	L	B10L1	1-16 *		T15					1				293
CLEAR DAT	L	C11H1	1-17 *		T09S									293
CLEAR DAT			1									49-0/8		293
CLEAR RW82-0	L	C09J1	1-01 *		T09S					1				294
CLEAR RW82-0	L	C10K2	1-02 *		T06									294
CLEAR RW82-0			1									5-0/8		294
CLEAR XDAT	L	A10P2	1-01 *		T14					1				295
CLEAR XDAT	L	A10T2	1-02 *		T15					2				295
CLEAR XDAT	L	C09P1	1-03 *		T09S									295
CLEAR XDAT			1									10-6/8		295

[illegible]

T011.F	HND288.V46(16)	05/31/72						24-MAY-72	21112	PAGE 34
RUN NAME	A/P PIN NAME ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
CON GO	H A19S1	1=01 *		T12S		1		4=0/8		302
CON GO	H A20D1	1=02 *		T12						302
CON POWER UP DLY	L A19V2	1=01 *		T12S		1				303
CON POWER UP DLY	L A20L1	1=02 *		T12				3=4/8		303
CON POWER UP DLY		1								303
CON REV REM	H A19R2	1=01 *		T12S		1				304
CON REV REM	H A20E1	1=02 *		T12				3=4/8		304
CON REV REM		1								304
CON STOP	H A19P1	1=01 *		T12S		1				305
CON STOP	H A20B1	1=02 *		T12				4=0/8		305
CON STOP		1								305
D04A1	A08F2	1=01 *		T04S		1				306
D04A1	B11N2	1=02 *		T04		2				306
D04A1	D04B1	1=03 *		T04S		1				306
D04A1	D04A1	1=04 *		T04S				17=0/8		306
D04K1	D04P2	1=01 *		T04		1				307
D04K1	D04P1	1=02 *		T04		2				307
D04K1	D04K1	1=03 *		T04S				5=2/8		307
D04T2	D04S1	1=01 *		T04		2				308
D04T2	D04S2	1=02 *		T04		1				308
D04T2	D04T2	1=03 *		T04S				5=0/8		308
D05A1	D05A1	1=01 *		T04S		1				309
D05A1	D05C1	1=02 *		T04				2=4/8		309
D05A1		1								309
D05D1	D05D1	1=01 *		T04S		1				310
D05D1	D05D2	1=02 *		T04				2=4/8		310
D05D1		1								310
D05F2	C23A1	1=01 *		T04		1				311
D05F2	D05F2	1=02 *		T04S				12=4/8		311
D05F2		1								311
D05M2	D05M2	1=01 *		T04S		1				312
D05M2	D05R2	1=02 *		T04				2=6/8		312
D05M2		1								312

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 37	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS
D11H2		B13T2		1-01 *		T04		1	
D11H2		D11H2		1-02 *		T04S			
D11H2				1					
D11H2		D11H2		1-01 *		T04S		1	
D11H2		D11H2		1-02 *		T04			
D11H2				1					
D11P1		D11P1		1-01 *		T04S		1	
D11P1		D11P1		1-02 *		T04			
D11P1				1					
D12V2		C21T2		1-01 *		T03		1	
D12V2		D12V2		1-02 *		T03S			
D12V2				1					
D13N1		D13N1							1-PIN RUN
D13N2		D13N2		1-01 *		T03S		1	
D13N2		D13N2		1-02 *		T03			
D13N2				1					
D13S1		A13S1		1-01 *		T03		1	
D13S1		D13S1		1-02 *		T03S			
D13S1				1					12-0/8
D14D1		C14D1		1-01 *		T07		1	
D14D1		C14D1		1-02 *		T07		2	
D14D1		D14D1		1-03 *		T07S			
D14D1				1					
D14H2		D14H2		1-01 *		T03S		1	
D14H2		D14H2		1-02 *		T03			
D14H2				1					
D14U1		C14U1		1-01 *		T07		1	
D14U1		C14U1		1-02 *		T07S		2	
D14U1		D14U1		1-03 *					
D14U1				1					
D14M2		D14M2		1-01 *		T07S		1	
D14M2		C14U2		1-02 *		T07			
D14M2				1					
D14U1		D07T2		1-01 *		T03		1	
D14U1		D14U1		1-02 *		T03S			
D14U1				1					

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 38	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS
D14V1		B11M2		1-01 *		T04		1	
D14V1		D14V1		1-02 *		T04S			
D14V1				1					
D15U2		C11N1		1-01 *		T05		1	
D15U2		D15U2		1-02 *		T05S			
D15U2				1					
D16U2		C16P2		1-01 *		T07		1	
D16U2		D16U2		1-02 *		T07S			
D16U2				1					
D16R2		D16R2		1-01 *		T02S		1	
D16R2		D16R2		1-02 *		T02			
D16R2				1					
D17E1		D12U2		1-01 *		T03		1	
D17E1		D17E1		1-02 *		T03S			
D17E1				1					
D17U2		D16H2		1-01 *		T07		1	
D17U2		D17U2		1-02 *		T07S			
D17U2				1					
D17L1		C11F1		1-01 *		T09		1	
D17L1		D17L1		1-02 *		T09S			
D17L1				1					
D17P2		D12M2		1-01 *		T04		1	
D17P2		D17P2		1-02 *		T04S			
D17P2				1					
D17S1		D07U1		1-01 *		T03		1	
D17S1		D17S1		1-02 *		T03S			
D17S1				1					
D17V2		C06A1		1-01 *		T09		1	
D17V2		D17V2		1-02 *		T09S			
D17V2				1					
D20F2		C19E2		1-01 *		T05		1	
D20F2		D20F2		1-02 *		T05S			
D20F2				1					
D20N1		D20N2		1-01 *		T03		1	
D20N1		D20N1		1-02 *		T03S			
D20N1				1					

TC11.F RUN NAME	A/P PIN NAME	HND288.V15(16) 03/31/72 ORDER PIN	Q DRAW RV PG Y X Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 39 RUN NUMBER
D20N2	B11C1	1-01 *	T03	1			359
D20N2	D20N2	1-02 *	T038				359
D20N2		1			10-6/8		359
D21F1	D07B1	1-01 *	T02	1			360
D21F1	D21F1	1-02 *	T02S				360
D21F1		1			9-4/8		360
D21F2	C20M1	1-01 *	T02	1			361
D21F2	D21F2	1-02 *	T02S				361
D21F2		1			4-6/8		361
D21J1	D21J1	1-01 *	T02	1			362
D21J1	D21K2	1-02 *	T02S				362
D21J1		1			2-4/8		362
D21K1	D21H2	1-01 *	T02	1			363
D21K1	D21K1	1-02 *	T02S	2			363
D21K1	D19S1	1-03 *	T02				363
D21K1		1			6-4/8		363
D21S2	C09P2	1-01 *	T02	1			364
D21S2	D21S2	1-02 *	T02S				364
D21S2		1			9-4/8		364
D21V2	C09U2	1-01 *	T02	1			365
D21V2	D21V2	1-02 *	T02S				365
D21V2		1			9-6/8		365
D22F1	D19B1	1-01 *	T02	1			366
D22F1	D22F1	1-02 *	T02S				366
D22F1		1			4-0/8		366
D22F2	D22F2	1-01 *	T07S	1			367
D22F2	D22L2	1-02 *	T07				367
D22F2		1			2-6/8		367
D22K1	D19E2	1-01 *	T02	1			368
D22K1	D22K1	1-02 *	T02S				368
D22K1		1			3-6/8		368
D22K2	D19D2	1-01 *	T02	1			369
D22K2	D22K2	1-02 *	T02S				369
D22K2		1			4-0/8		369

TC11.F RUN NAME	A/P PIN NAME	HND288.V15(16) 03/31/72 ORDER PIN	Q DRAW RV PG Y X Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 40 RUN NUMBER
D22N1	D19M2	1-01 *	T02	1			370
D22N1	D22N1	1-02 *	T02S				370
D22N1		1			3-6/8		370
D22N2	D22N2	1-01 *	T07S	1			371
D22N2	D22P1	1-02 *	T07				371
D22N2		1			2-6/8		371
D22S1	C17L1	1-01 *	T07	1			372
D22S1	D22H2	1-02 *	T07	2			372
D22S1	D22S1	1-03 *	T07S				372
D22S1		1			9-2/8		372
D22S2	D22S2	1-01 *		1			373
D22S2	B12U2	1-02 *					373
D22S2		1			9-4/8		373
D23D2	C22D2	1-01 *	T02	1			374
D23D2	C22N1	1-02 *	T02	1			374
D23D2	C22V2	1-03 *	T02	1			374
D23D2	D23D2	1-04 *	T02S				374
D23D2		1			10-2/8		374
D23F2	C20J1	1-01 *	T02	1			375
D23F2	D23F2	1-02 *	T02S				375
D23F2		1			5-4/8		375
D23J2	D12R1	1-01 *	T04	1			376
D23J2	D23J2	1-02 *	T04S				376
D23J2		1			8-4/8		376
D23L2	D07E1	1-01 *	T03	1			377
D23L2	D23L2	1-02 *	T03S				377
D23L2		1			11-0/8		377
D23R2	C07L1	1-01 *	T19	1			378
D23R2	D23R2	1-02 *	T19S				378
D23R2		1			12-0/8		378
DAT EN	C13B2	1-01 *	T06	2			379
DAT EN	C13L2	1-02 *	T06	1			379
DAT EN	C13E2	1-03 *	T06	1			379
DAT EN	C10B1	1-04 *	T06	1			379
DAT EN	C10B1	1-05 *	T06	1			379
DAT EN	C10N1	1-06 *	T06	1			379
DAT EN	D10M1	1-07 *	T05	1			379
DAT EN		1			21-0/8		379

TC11.F RUN NAME	HND388,V15(16)	05/31/72	24-MAY-72	21112	PAGE 41
A/P	PN	ORDER	DAY	LENGTH	EXCEPTIONS
NAME	PIN	ORDER			
DAT EN	C21M2	1-01	*	T055	380
DAT EN	C16D1	1-02	*	T06	380
DAT EN	C16K1	1-03	*	T06	380
DAT EN	C16R1	1-04	*	T06	380
DAT EN	C16L1	1-05	*	T05	380

DAT	SH	FT	ENB	1-01	*	T-5	301
DAT	SH	FT	ENB	1-02	*	T-4	301
DAT	SH	FT	ENB	1-03	*	T-6	301
DAT	SH	FT	ENB	1-04	*	T-6	301
DAT	SH	FT	ENB	1-05	*	T-6	301
DAT	SH	FT	ENB	1-06	*	T-6	301
DAT	SH	FT	ENB	1-07	*	T-6	301
DAT	SH	FT	ENB	1-08	*	T-6	301
DAT	SH	FT	ENB	1-09	*	T-4	301
DAT	SH	FT	ENB	1-10	*	T-4	301
DAT	SH	FT	ENB	1-11	*	T-4	301
DAT	SH	FT	ENB	1-12	*	T-4	301
DAT	SH	FT	ENB	1-13	*	T-4	301
DAT	SH	FT	ENB	1-14	*	T-5	301
DAT	SH	FT	ENB	1-15	*	T-5	301
DAT	SH	FT	ENB	1-16	*	T-5	301
DAT	SH	FT	ENB	1-17	*	T-5	301
DAT	SH	FT	ENB	1-18	*	T-5	301
DAT	SH	FT	ENB	1-19	*	T-5	301
DAT	SH	FT	ENB	1-20	*	T-5	301
DAT	SH	FT	ENB	1-21	*	T-5	301
DAT	SH	FT	ENB	1-22	*	T-5	301
DAT	SH	FT	ENB	1-23	*	T-5	301
DAT	SH	FT	ENB	1-24	*	T-5	301
DAT	SH	FT	ENB	1-25	*	T-5	301
DAT	SH	FT	ENB	1-26	*	T-5	301
DAT	SH	FT	ENB	1-27	*	T-5	301
DAT	SH	FT	ENB	1-28	*	T-5	301
DAT	SH	FT	ENB	1-29	*	T-5	301
DAT	SH	FT	ENB	1-30	*	T-5	301
DAT	SH	FT	ENB	1-31	*	T-5	301
DAT	SH	FT	ENB	1-32	*	T-5	301
DAT	SH	FT	ENB	1-33	*	T-5	301
DAT	SH	FT	ENB	1-34	*	T-5	301
DAT	SH	FT	ENB	1-35	*	T-5	301
DAT	SH	FT	ENB	1-36	*	T-5	301
DAT	SH	FT	ENB	1-37	*	T-5	301
DAT	SH	FT	ENB	1-38	*	T-5	301
DAT	SH	FT	ENB	1-39	*	T-5	301
DAT	SH	FT	ENB	1-40	*	T-5	301
DAT	SH	FT	ENB	1-41	*	T-5	301
DAT	SH	FT	ENB	1-42	*	T-5	301
DAT	SH	FT	ENB	1-43	*	T-5	301
DAT	SH	FT	ENB	1-44	*	T-5	301
DAT	SH	FT	ENB	1-45	*	T-5	301
DAT	SH	FT	ENB	1-46	*	T-5	301
DAT	SH	FT	ENB	1-47	*	T-5	301
DAT	SH	FT	ENB	1-48	*	T-5	301
DAT	SH	FT	ENB	1-49	*	T-5	301
DAT	SH	FT	ENB	1-50	*	T-5	301
DAT	SH	FT	ENB	1-51	*	T-5	301
DAT	SH	FT	ENB	1-52	*	T-5	301
DAT	SH	FT	ENB	1-53	*	T-5	301
DAT	SH	FT	ENB	1-54	*	T-5	301
DAT	SH	FT	ENB	1-55	*	T-5	301
DAT	SH	FT	ENB	1-56	*	T-5	301
DAT	SH	FT	ENB	1-57	*	T-5	301
DAT	SH	FT	ENB	1-58	*	T-5	301
DAT	SH	FT	ENB	1-59	*	T-5	301
DAT	SH	FT	ENB	1-60	*	T-5	301
DAT	SH	FT	ENB	1-61	*	T-5	301
DAT	SH	FT	ENB	1-62	*	T-5	301
DAT	SH	FT	ENB	1-63	*	T-5	301
DAT	SH	FT	ENB	1-64	*	T-5	301
DAT	SH	FT	ENB	1-65	*	T-5	301
DAT	SH	FT	ENB	1-66	*	T-5	301
DAT	SH	FT	ENB	1-67	*	T-5	301
DAT	SH	FT	ENB	1-68	*	T-5	301
DAT	SH	FT	ENB	1-69	*	T-5	301
DAT	SH	FT	ENB	1-70	*	T-5	301
DAT	SH	FT	ENB	1			

DAT TO BUS	J	A09V2	T17		362
DAT TO BUS	J	B09V2	T18		362
DAT TO BUS	J	C0002	T095		362
DAT TO BUS					362

DAT00(0)	H	A19S2	I=01 *	T16					785
DAT00(0)	H	A19M1	I=02 *	T16S					785
DAT00(0)			I						

DAT00(1)	I	A47H2	+	04	T16	204
DAT00(1)	I	A16N4	+	02	T16S	204
DAT00(1)	I	909R1	+	03	T1B	204
DAT00(1)						

0AT01(0)	H	A452	T15	1	385
0AT01(0)	H	B441	T15		385
0AT01(0)		T=01			702
		T=02			
		1			
					6-2/8

[illegible]

[illegible]

TC11-F RUN NAME	A/P	HND28B.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 44 RUN NUMBER
DAT11(1)	H	A09J2	1-01 *	T17		2				406
DAT11(1)	H	A13K1	1-02 *	T14		1				406
DAT11(1)	H	B16S2	1-03 *	T14S						406
DAT11(1)			1					11-2/8		406
DAT12(0)	H	A17L2	1-01 *	T16		2				407
DAT12(0)	H	A16J2	1-02 *	T16S		1				407
DAT12(0)	H	C15M1	1-03 *	T06				11-2/8		407
DAT12(0)			1							407
DAT12(1)	H	A09J1	1-01 *	T17		1				408
DAT12(1)	H	A16K2	1-02 *	T16S						408
DAT12(1)			1					6-0/8		408
DAT13(0)	H	B14J2	1-01 *	T15		2				409
DAT13(0)	H	B13L2	1-02 *	T15		1				409
DAT13(0)	H	C16F1	1-03 *	T06				7-4/8		409
DAT13(0)			1							409
DAT13(1)	H	A09E2	1-01 *	T17		1				410
DAT13(1)	H	B16K2	1-02 *	T15				6-6/8		410
DAT13(1)			1							410
DAT14(0)	H	B17L2	1-01 *	T14		2				411
DAT14(0)	H	B16J2	1-02 *	T14S		1				411
DAT14(0)	H	C15A1	1-03 *	T06				7-2/8		411
DAT14(0)			1							411
DAT14(1)	H	A09E1	1-01 *	T17		1				412
DAT14(1)	H	B16K2	1-02 *	T14S				7-4/8		412
DAT14(1)			1							412
DAT15(0)	H	A17S2	1-01 *	T16		2				413
DAT15(0)	H	A14E1	1-02 *	T16S		1				413
DAT15(0)	H	C15R2	1-03 *	T06				13-4/8		413
DAT15(0)			1							413
DAT15(1)	H	A09B1	1-01 *	T17		1				414
DAT15(1)	H	A14F1	1-02 *	T16S				5-0/8		414
DAT15(1)			1							414
DAT16(0)	H	A16U2	1-01 *	T15S		1				415
DAT16(0)	H	B15S2	1-02 *	T15		2				415
DAT16(0)	H	C15K2	1-03 *	T06				9-4/8		415
DAT16(0)			1							415

TC11.F RUN NAME	A/P PIN	NAME	ORDER PIN	BAY ORDER	Q	DRAM	RV	Pg	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 45 RUN NUMBER
DATA DAT16(1)	H	A14V2		1-01 *		T14S					1		6-2/8		416
DATA DAT16(1)		B08P1		1-02 *		T18									416
DATA DAT17(0)	H	A14R2		1-04 *		T14S					1				417
DATA DAT17(0)	H	B17S2		1-02 *		T14					2				417
DATA DAT17(0)		C13D2		1-03 *		T06							10-4/8		417
DATA DAT17(1)	H	A14S2		1-01 *		T14S					1				418
DATA DAT17(1)	H	B08L2		1-02 *		T18							5-6/8		418
DATA DATA	H	D16D1		1-04 *		T07					1				419
DATA DATA		D16K2		1-02 *		T07S							3-6/8		419
DATA DATA	L	D20B1		1-01 *		T05					1				420
DATA DATA	L	D20E2		1-02 *		T05					2				420
DATA DATA		D16E1		1-03 *		T07S							7-2/8		420
DATA DATA	L	D16K2		1-04 *		T05					2				421
DATA DATA	H	C19P1		1-02 *		T05					1				421
DATA DATA	H	C20S2		1-03 *		T05S							7-8/8		421
DATA DATA	L	C08S1		1-01 *		T08					1				422
DATA DATA	L	D16B1		1-02 *		T03S							7-8/8		422
DATA DATA	H	D07S2		1-01 *		T03S					1				423
DATA DATA	H	D16T2		1-02 *		T03							6-4/8		423
DATA DATA	H	A09L2		1-04 *		T17					1				424
DATA DATA	H	D07R2		1-02 *		T03S							11-2/8		424
DATA DATA	H	C08T2		1-01 *		T04S					2				425
DATA DATA	H	B13P1		1-02 *		T04									425
DATA DATA	H	D13T2		1-03 *		T04							15-8/8		425

TC11.F RUN NAME	A/P PIN	NAME	ORDER PIN	BAY ORDER	Q	DRAM	RV	Pg	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 46 RUN NUMBER
DATA DAT16(1)	L	B13N1		1-01 *		T04S					1				426
DATA DAT16(1)	L	C08S2		1-02 *		T04					2				426
DATA DAT16(1)	L	D08M2		1-03 *		T04					2				426
DATA DAT16(1)	L	D20U2		1-04 *		T04									426
DATA DATA	L	C21N2		1-05 *		T04							26-6/8		426
DATA DATA	H	B13U2		1-01 *		T04					1				427
DATA DATA	H	C08S1		1-02 *		T11S							7-8/8		427
DATA DATA	H	A12U2		1-04 *		T11S					2				428
DATA DATA	H	A08D1		1-02 *		T17									428
DATA DATA	H	C08R1		1-03 *		T11							14-4/8		428
DATA DATA	H	D21L1		1-01 *		T05					1				429
DATA DATA	H	D21P1		1-02 *		T05					2				429
DATA DATA	H	D16V2		1-03 *		T05S					1				429
DATA DATA	H	D16L2		1-04 *		T07							11-2/8		429
DATA DATA	L	B11B1		1-01 *		T03					1				430
DATA DATA	L	D14S1		1-02 *		T03					2				430
DATA DATA	L	D16U2		1-03 *		T05					1				430
DATA DATA	L	D23P2		1-04 *		T05S							25-6/8		430
DATA DATA	L	C21H2		1-05 *		T05S									430
DATA DATA	H	C11R2		1-01 *		T05S					1				431
DATA DATA	H	D13V2		1-02 *		T03							4-6/8		431
DATA DATA	L	C11P2		1-01 *		T05					1				432
DATA DATA	L	D21N1		1-02 *		T05S							8-2/8		432
DATA DATA	H	D16N2				T05S							1-PIN RUN		433

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 47 RUN NUMBER
DO STROBE	J	C03H2	1-01 *	T02		1				434
DO STROBE	J	D11S1	1-02 *	T05S		1				434
DO STROBE	J	D16M2	1-03 *	T05		1				434
DO STROBE	J	C12S1	1-04 *	T05		1				434
DO STROBE	J	C06N2	1-05 *	T02		1				434
DO STROBE	J	C07M1	1-06 *	T19		1				434
DO STROBE	J	D07M1	1-07 *	T02		1				434
DO STROBE	J	D05K2	1-08 *	T04		1		32-6/8		434
DO STROBE	J		1							434
DTP1	H	C23R1	1-01 *	T02		2				435
DTP1	H	D11R1	1-02 *	T03		1				435
DTP1	H	C04H2	1-03 *	T06S		1		16-6/8		435
DTP1	H		1							435
ENDZ(0)	H	B24D2	1-01 *	T24		1				436
ENDZ(0)	H	D17M2	1-02 *	T04		1				436
ENDZ(0)	H	D15M1	1-03 *	T03		1				436
ENDZ(0)	H	D07L1	1-04 *	T03S		1		19-6/8		436
ENDZ(0)	H		1							436
ENDZ(1)	H	A09A1	1-01 *	T17		1				437
ENDZ(1)	H	D07F2	1-02 *	T03		1		11-2/8		437
ENDZ(1)	H		1							437
ERROR	H	A08B1	1-01 *			1				438
ERROR	H	D12S2	1-02 *		R1	1				438
ERROR	H	D15V2	1-03 *		R1	1				438
ERROR	H		1					17-2/8		438
ERROR	J	D22R2	1-01 *			1				439
ERROR	J	D23R1	1-02 *		R1	1				439
ERROR	J	C23D2	1-03 *		R1	1				439
ERROR	J	B24N2	1-04 *		R1	1				439
ERROR	J	C20K1	1-05 *		R1	1				439
ERROR	J	D12T2	1-06 *		I	1		26-2/8		439
ERROR	J		1							439
ERROR DISABLE	H	B12R1	1-01 *	T12		2				440
ERROR DISABLE	H	D14N1	1-02 *	T03S		1				440
ERROR DISABLE	H	D15R2	1-03 *	T03		1		10-4/8		440
ERROR DISABLE	H		1							440

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 48 RUN NUMBER
ERROR STP	J	C23D1	1-01 *	T04		2				441
ERROR STP	J	C21R2	1-02 *	T04		1				441
ERROR STP	J	D12N2	1-03 *	T04S		1				441
ERROR STP	J	D06P1	1-04 *	T04		1		16-6/8		441
ERROR STP	J		1							441
FCT1(0)	H	A06P1	1-01 *	T11S		1				442
FCT1(0)	H	B24K2	1-02 *	T24		1		12-4/8		442
FCT1(0)	H		1							442
FCT1(1)	H	A12L2	1-01 *	T11S		1				443
FCT1(1)	H	A06N1	1-02 *	T11		2				443
FCT1(1)	H	B06R1	1-03 *	T10		1				443
FCT1(1)	H	C12V1	1-04 *	T05		1		17-6/8		443
FCT1(1)	H		1							443
FCT2(0)	H	A06M1	1-01 *	T11S		1				444
FCT2(0)	H	B24P2	1-02 *	T24		1		12-6/8		444
FCT2(0)	H		1							444
FCT2(1)	H	B06L1	1-01 *	T10		1				445
FCT2(1)	H	A06L1	1-02 *	T11		2				445
FCT2(1)	H	A12T2	1-03 *	T11S		1				445
FCT2(1)	H	C12U2	1-04 *	T05		1		19-2/8		445
FCT2(1)	H		1							445
FCT3(0)	H	B06J2	1-01 *	T06		2				446
FCT3(0)	H	C06N2	1-02 *	T11S		1				446
FCT3(0)	H	C17L2	1-03 *	T07		1				446
FCT3(0)	H	C21F1	1-04 *	T00		1				446
FCT3(0)	H	C22J2	1-05 *	T02		1				446
FCT3(0)	H	B24F2	1-06 *	T24		1		31-4/8		446
FCT3(0)	H		1							446
FCT3(1)	H	A12M2	1-01 *	T11S		2				447
FCT3(1)	H	B06M1	1-02 *	T10		1				447
FCT3(1)	H	C06M2	1-03 *	T11		2				447
FCT3(1)	H	C12V2	1-04 *	T05		1				447
FCT3(1)	H	C21B1	1-05 *	T06		1				447
FCT3(1)	H		1					24-4/8		447
FORWARD	J	A19V1	1-01 *	T12		1				448
FORWARD	J	C21U1	1-02 *			1		7-6/8		448
FORWARD	J		1							448

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 51 RUN NUMBER
GND 07		A07C2	1-01 *										455
GND 07		A07F1	1-02 *										455
GND 07		A07T1	1-03 *										455
GND 07		B07C2	1-04 *										455
GND 07		B07T1	1-05 *										455
GND 07		C07C2	1-06 *										455
GND 07		C07T1	1-07 *										455
GND 07		D07C2	1-08 *										455
GND 07		D07T1	1-09 *										455
			1								28=4/8		455
GND 08		A08A1	1-01 *										456
GND 08		A08C2	1-02 *										456
GND 08		A08T1	1-03 *										456
GND 08		B08C2	1-04 *										456
GND 08		B08T1	1-05 *										456
GND 08		C08C2	1-06 *										456
GND 08		C08T1	1-07 *										456
GND 08		D08C2	1-08 *										456
GND 08		D08T1	1-10 *										456
			1								31=4/8		456
GND 09		A09C2	1-01 *										457
GND 09		A09T1	1-02 *										457
GND 09		B09C2	1-03 *										457
GND 09		B09T1	1-04 *										457
GND 09		C09C2	1-05 *										457
GND 09		C09T1	1-06 *										457
GND 09		D09C2	1-07 *										457
GND 09		D09T1	1-08 *										457
			1								26=2/8		457
GND 10		A10C2	1-01 *										458
GND 10		A10T1	1-02 *										458
GND 10		B10C2	1-03 *										458
GND 10		B10T1	1-04 *										458
GND 10		C10C2	1-05 *										458
GND 10		C10T1	1-06 *										458
GND 10		D10C2	1-07 *										458
GND 10		D10T1	1-08 *										458
			1								26=2/8		458

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 52 RUN NUMBER
GND 11		A11C2	1-01 *										459
GND 11		A11T1	1-02 *										459
GND 11		B11C2	1-03 *										459
GND 11		B11T1	1-04 *										459
GND 11		C11C1	1-05 *										459
GND 11		C11C2	1-06 *										459
GND 11		C11M2	1-07 *										459
GND 11		C11N2	1-08 *										459
GND 11		C11T1	1-09 *										459
GND 11		D11C2	1-10 *										459
GND 11		D11K2	1-11 *										459
GND 11		D11L2	1-12 *										459
GND 11		D11T1	1-13 *										459
			1								40=6/8		459
GND 12		A12C2	1-01 *										460
GND 12		A12C1	1-02 *										460
GND 12		A12F1	1-03 *										460
GND 12		A12J1	1-04 *										460
GND 12		B12C2	1-05 *										460
GND 12		B12T1	1-06 *										460
GND 12		C12C2	1-07 *										460
GND 12		C12T1	1-08 *										460
GND 12		C12U1	1-09 *										460
GND 12		D12C2	1-10 *										460
GND 12		D12T1	1-11 *										460
			1								35=6/8		460

TC11.F		HND288.V16(16)		03/31/72		Q	DRAM	RV	PG	Y	X	Z	REMARKS	24-MAY-72	21112	PAGE 53
RUN NAME	A/P	PIN	ORDER	DAY	ORDER									LENGTH	EXCEPTIONS	RUN NUMBER
GND 13		A19C2		1-01	*											461
GND 13		A19T1		1-02	*											461
GND 13		B19C2		1-03	*											461
GND 13		B19T1		1-04	*											461
GND 13		C19C2		1-05	*											461
GND 13		C19F2		1-06	*											461
GND 13		C19H2		1-07	*											461
GND 13		C19J2		1-08	*											461
GND 13		C19L1		1-09	*											461
GND 13		C19M2		1-10	*											461
GND 13		C19N2		1-11	*											461
GND 13		C19P2		1-12	*											461
GND 13		C19S1		1-13	*											461
GND 13		C19S2		1-14	*											461
GND 13		C19T1		1-15	*											461
GND 13		D19C2		1-16	*											461
GND 13		D19T1		1-17	*											461
GND 14		A19C2		1-01	*									48-4/8		461
GND 14		A19T1		1-02	*											462
GND 14		B19C2		1-03	*											462
GND 14		B19T1		1-04	*											462
GND 14		C19C2		1-05	*											462
GND 14		C19T1		1-06	*											462
GND 14		D19C2		1-07	*											462
GND 14		D19T1		1-08	*											462
GND 15		A19C2		1-01	*									26-2/8		463
GND 15		A19T1		1-02	*											463
GND 15		B19C2		1-03	*											463
GND 15		B19T1		1-04	*											463
GND 15		C19C2		1-05	*											463
GND 15		C19T1		1-06	*											463
GND 15		D19C2		1-07	*											463
GND 15		D19T1		1-08	*									26-2/8		463

TC11.F HND288.V16(16) 03/31/72 Q DRAM RV PG Y X Z REMARKS 24-MAY-72 LENGTH EXCEPTIONS PAGE 54

RUN NAME	A/P	PIN	ORDER	DAY	ORDER									LENGTH	EXCEPTIONS	RUN NUMBER
GND 16		A19C2		1-01	*											464
GND 16		A19T1		1-02	*											464
GND 16		B19C2		1-03	*											464
GND 16		B19T1		1-04	*											464
GND 16		C19C2		1-05	*											464
GND 16		C19T1		1-06	*											464
GND 16		D19C2		1-07	*											464
GND 16		D19T1		1-08	*									26-2/8		464
GND 17		A17C2		1-01	*											465
GND 17		A17T1		1-02	*											465
GND 17		B17C2		1-03	*											465
GND 17		B17T1		1-04	*											465
GND 17		C17C2		1-05	*											465
GND 17		C17T1		1-06	*											465
GND 17		D17C2		1-07	*											465
GND 17		D17T1		1-08	*									26-2/8		465
GND 18		A18C2		1-01	*											466
GND 18		A18T1		1-02	*											466
GND 18		B18C2		1-03	*											466
GND 18		B18T1		1-04	*											466
GND 18		C18C2		1-05	*											466
GND 18		C18T1		1-06	*											466
GND 18		D18C2		1-07	*											466
GND 18		D18T1		1-08	*											466
GND 18		D18T1		1-09	*									28-6/8		466
GND 19		A19C1		1-01	*											467
GND 19		A19C2		1-02	*											467
GND 19		A19H2		1-03	*											467
GND 19		A19N2		1-04	*											467
GND 19		A19T1		1-05	*											467
GND 19		A19U2		1-06	*											467
GND 19		B19C2		1-07	*											467
GND 19		B19H2		1-08	*											467
GND 19		B19T1		1-09	*											467
GND 19		C19C2		1-10	*											467
GND 19		C19T1		1-11	*											467
GND 19		D19C2		1-12	*											467
GND 19		D19T1		1-13	*											467
GND 19		D19T1		1-14	*									38-0/8		467

TC11.F RUN NAME	HND289.V16(16) 03/31/72 A/P PIN NAME PIN ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 55 RUN NUMBER
GND 20	A2002	T12		2				468
GND 20	A2001	T12		1				468
GND 20	A20A1	T12		1				468
GND 20	A2002							468
GND 20	A20F2	T12		1				468
GND 20	A2001	T12		1				468
GND 20	A2002	T12		1				468
GND 20	A20M2	T12		1				468
GND 20	A20M1	T12		1				468
GND 20	A20L2	T12		1				468
GND 20	A20L1	T12		1				468
GND 20	A20N1	T12		1				468
GND 20	A20R2	T12		1				468
GND 20	A20T1	T12		1				468
GND 20	A20U1	T12		1				468
GND 20	A20U2	T12		1				468
GND 20	B2002							468
GND 20	B2001							468
GND 20	C2002							468
GND 20	C2001							468
GND 20	D2002							468
GND 20	D2001							468
GND 21	A2102					52-4/8		468
GND 21	A21T1							469
GND 21	B2102							469
GND 21	B21T1							469
GND 21	C2102							469
GND 21	C21T1							469
GND 21	D2102							469
GND 21	D21T1							469
GND 21						26-2/8		469
GND 21								469

TC11.F RUN NAME	HND289.V16(16) 03/31/72 A/P PIN NAME PIN ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 56 RUN NUMBER
GND 22	A2202			2				470
GND 22	A22J2	T12		1				470
GND 22	A22K2	T12		1				470
GND 22	A22R2	T12		1				470
GND 22	A22T1							470
GND 22	A22T2	T12		1				470
GND 22	A22S2	T12		1				470
GND 22	A22U2	T12		1				470
GND 22	B2202							470
GND 22	B22F2	T12		1				470
GND 22	B22E2	T12		1				470
GND 22	B22L2	T12		1				470
GND 22	B22M2	T12		1				470
GND 22	B22T1	T12		1				470
GND 22	C2202							470
GND 22	C22T1							470
GND 22	D2202							470
GND 22	D22T1							470
GND 23	A2302					50-4/8		471
GND 23	A23T1							471
GND 23	B2302							471
GND 23	B23T1							471
GND 23	C2302							471
GND 23	C23T1							471
GND 23	D2302							471
GND 23	D23T1							471
GND 24	A2402					26-2/8		472
GND 24	A24T1							472
GND 24	B2402							472
GND 24	B24T1							472
GND 24	C2402							472
GND 24	C24T1							472
GND 24	D2402							472
GND 24	D24T1							472
GO	A19R1	T12		1				473
GO	C21S2	T04S						473
GO						8-2/8		473

TC11.F		HND288.V16(16) 03/31/72		Q		X		Z		REMARKS		24-MAY-72		21112		PAGE 57	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER			
ILO	H	A09H1		1-01 *						1		16-2/8		474			
ILO	H	D12V1		1-02 *						2				474			
ILO	H	D14S2		1-03 *										474			
ILO	L	B24R2		1-01 *						1		16-4/8		475			
ILO	L	D17L2		1-02 *										475			
ILO	L	D14R1		1-03 *										475			
ILO	L	D12U1		1-04 *										475			
IN	H	A09F1		1-01 *						1		25-4/8		476			
IN	H	B09F1		1-02 *						2				476			
IN	H	B09M1		1-03 *						1				476			
IN	H	C07R1		1-04 *						2				476			
IN	H	C06E2		1-05 *						1				476			
IN	H	C07E1		1-06 *						2				476			
IN	H	C07P1		1-07 *						1				476			
IN	H	C07P2		1-08 *										476			
IN	L	C09F2		1-01 *						2		15-6/8		477			
IN	L	C09B1		1-02 *										477			
IN	L	C08D2		1-03 *						1				477			
IN	L	C08K2		1-04 *						2				477			
IN	L	C09U2		1-05 *										477			
IN	L	C09V2		1-06 *										477			
INC BA-WC	H	A07A1		1-01 *						1		11-4/8		478			
INC BA-WC	H	A07C1		1-02 *						2				478			
INC BA-WC	H	C06P1		1-03 *										478			
INT ENB(0)	H	A00H1		1-01 *						1		13-8/8		479			
INT ENB(0)	H	B24J2		1-02 *										479			
INT ENB(1)	H	A12S2		1-01 *						1		14-6/8		480			
INT ENB(1)	H	A06F1		1-02 *						2				480			
INT ENB(1)	H	B08A1		1-03 *						1				480			
INT ENB(1)	H	B05H2		1-04 *										480			
INTR DONE A	H	B05L2		1-01 *						1		3-2/8		481			
INTR DONE A	H	B05S1		1-02 *										481			
INTR DONE A														481			

TC11.F		HND288.V16(16) 03/31/72		Q		X		Z		REMARKS		24-MAY-72		21112		PAGE 58	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER			
LPB ONE	L	D15P2		1-01 *						1		3-2/8		482			
LPB ONE	L	D17R1		1-02 *										482			
LPB ONE														482			
LPB TO DAT	H	A17A1		1-01 *						1		24-0/8		483			
LPB TO DAT	H	A15A1		1-02 *						2				483			
LPB TO DAT	H	A15K2		1-03 *						1				483			
LPB TO DAT	H	A15M1		1-04 *						2				483			
LPB TO DAT	H	B15A1		1-05 *						1				483			
LPB TO DAT	H	B17A1		1-06 *						2				483			
LPB TO DAT	H	C11P1		1-07 *										483			
LPB TP	H	D12S1		1-01 *						1		4-4/8		484			
LPB TP	H	D14B1		1-02 *										484			
LPB TP														484			
LPB0(0)	H	C15R2										1-PIN RUN		485			
LPB0(1)	H	A17B1		1-01 *						1		14-2/8		486			
LPB0(1)	H	C15P2		1-02 *						2				486			
LPB0(1)	H	D15N2		1-03 *										486			
LPB1(0)	H	C15V1										1-PIN RUN		487			
LPB1(1)	H	B15B1		1-01 *						1		11-2/8		488			
LPB1(1)	H	C15V2		1-02 *						2				488			
LPB1(1)	H	D15M2		1-03 *										488			
LPB2(0)		C15U1										1-PIN RUN		489			
LPB2(1)	H	B17B1		1-01 *						1		11-6/8		490			
LPB2(1)	H	C15S1		1-02 *						2				490			
LPB2(1)	H	D15L2		1-03 *										490			
LPB3(0)	H	C15M1										1-PIN RUN		491			
LPB3(1)	H	A15L2		1-01 *						1		12-6/8		492			
LPB3(1)	H	C15L1		1-02 *						2				492			
LPB3(1)	H	D15K2		1-03 *										492			
LPB4(0)	H	C15J2										1-PIN RUN		493			

[illegible]

TC11.F RUN NAME	A/P	PIN NAME	HND208.V16(16) 03/31/72 ORDER PIN ORDER	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 60 RUN NUMBER
MISS(0)	H	D07H1			T03S						1-PIN RUN	502
MISS(1)	H	D07C1		1-01 *	T03S			1				503
MISS(1)	H	D14D2		1-02 *	T03							503
MISS(1)				1						6-2/8		503
MK BLK END	H	D18U1			T07S						1-PIN RUN	504
MK BLK END	L	C29P1		1-01 *	T02			1				505
MK BLK END	L	D17C1		1-02 *	T03			2				505
MK BLK END	L	D18V1		1-03 *	T07S							505
MK BLK END				1						10-4/8		505
MK BLK MK	H	C09P1		1-01 *	T02			1				506
MK BLK MK	H	C18E2		1-02 *	T07S			2				506
MK BLK MK	H	D17O2		1-03 *	T07							506
MK BLK MK				1						12-6/8		506
MK BLK MK	L	C19D2			T07S						1-PIN RUN	507
MK BLK START	H	C09K1		1-01 *	T02			1				508
MK BLK START	H	C18J2		1-02 *	T07S			2				508
MK BLK START	H	D21D1		1-03 *	T02							508
MK BLK START				1						12-4/8		508
MK BLK START	L	C19F1		1-01 *	T07S			1				509
MK BLK START	L	D17A1		1-02 *	T03							509
MK BLK START				1						4-6/8		509
MK BLK SYNC	H	D19S2			T07S						1-PIN RUN	510
MK BLK SYNC	L	D19T2			T07S						1-PIN RUN	511
MK DATA	H	D19P2			T07S						1-PIN RUN	512
MK DATA	L	C19U2		1-01 *	T07S			1				513
MK DATA	L	D17B1		1-02 *	T03							513
MK DATA				1						3-4/8		513
MK DATA SYNC	H	C17B1		1-01 *	T02			1				514
MK DATA SYNC	H	C19H1		1-02 *	T07S							514
MK DATA SYNC				1						3-2/8		514
MK DATA SYNC	L	C19J1			T07S						1-PIN RUN	515

TC11.F RUN NAME	A/P P/N	NAME	ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 61 RUN NUMBER
MK END	H	C18F2	1-01 *		T07S					1		10-0/8		516
MK END	H	D06P2	1-02 *		T03									516
MK END	L	C14H2	1-01 *		T07S					1		5-0/8		517
MK END	L	D17D1	1-02 *		T03									517
MNT(0)	H	A11F1	1-01 *		T10S					1		10-0/8		518
MNT(0)	H	C16F2	1-02 *		T07									518
MNT(1)	H	A11E1	1-01 *		T10S					1		5-2/8		519
MNT(1)	H	B09D2	1-02 *		T18									519
MTE(0)	H	B24H2	1-01 *		T24					2		22-6/8		520
MTE(0)	H	A14J2	1-02 *		T03S					1				520
MTE(0)	H	D15N1	1-03 *		T03					2				520
MTE(0)	H	D17N2	1-04 *		T04									520
MTE(1)	H	A09D2	1-01 *		T17					2				521
MTE(1)	H	A14K2	1-02 *		T03S					1				521
MTE(1)	H	D15R1	1-03 *		T03							16-2/8		521
NEW UNIT SELECT	H	B11S2			T04S								1-PIN RUN	522
NEW UNIT SELECT	L	A18T2	1-01 *		T12					2				523
NEW UNIT SELECT	L	B11R2	1-02 *		T04S					1				523
NEW UNIT SELECT	L	D11U1	1-03 *		T04					2				523
NEW UNIT SELECT	L	D09J1	1-04 *		T04					1				523
NEW UNIT SELECT	L	D09J2	1-05 *		T04							24-0/8		523
NEX(0)	H	B06K1	1-01 *		T08S					1				524
NEX(0)	H	D18J2	1-02 *		T03							10-4/8		524
NEX(1)	H	A09P1	1-01 *		T17					1				525
NEX(1)	H	B06L1	1-02 *		T08S							5-2/8		525

TC11.F RUN NAME	A/P P/N	NAME	ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 62 RUN NUMBER
NO CHANGE	L	C21R1	1-01 *		T04					2				526
NO CHANGE	L	D20R2	1-02 *		T04					1				526
NO CHANGE	L	D13V2	1-03 *		T04S					2				526
NO CHANGE	L	D13V2	1-04 *									13-4/8		526
NPR DATA CLEAR	H	B06R2			T08S								1-PIN RUN	527
NPR DATA CLEAR	L	B06S1	1-01 *		T08					1				528
NPR DATA CLEAR	L	B06S2	1-02 *		T08S					2				528
NPR DATA CLEAR	L	D17F1	1-03 *		T09					1				528
NPR DATA CLEAR	L	D17T2	1-04 *		T09							15-6/8		528
NPR DATA STROBE	H	B06M2			T08S								1-PIN RUN	529
NPR DATA STROBE	L	B06L2	1-01 *		T08					1				530
NPR DATA STROBE	L	B06T2	1-02 *		T08S					2				530
NPR DATA STROBE	L	C10P1	1-03 *		T09					1				530
NPR DATA STROBE	L	C10R1	1-04 *		T09							10-6/8		530
NPR DATA TO BUS	H	B06E2			T08S								1-PIN RUN	531
NPR DATA TO BUS	L	B06F2	1-01 *		T08S					1				532
NPR DATA TO BUS	L	C07D2	1-02 *		T09							4-6/8		532
OBUS D00	L	A04B1	1-01 *		T13					1				533
OBUS D00	L	A07E1	1-02 *		T21S/T22S					2				533
OBUS D00	L	B06S1	1-03 *		T16S					1				533
OBUS D00	L	B06U2	1-04 *		T18S							13-4/8		533
OBUS D01	L	A04L2	1-01 *		T13					2				534
OBUS D01	L	A07J1	1-02 *		T21S/T22S					1				534
OBUS D01	L	B06S2	1-03 *		T18S					2				534
OBUS D01	L	B06N2	1-04 *		T16S							13-2/8		534
OBUS D02	L	A04E1	1-01 *		T13					1				535
OBUS D02	L	A07L2	1-02 *		T21S/T22S					2				535
OBUS D02	L	B06P2	1-03 *		T16S					1				535
OBUS D02	L	B06N1	1-04 *		T18S							13-0/8		535

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				21112				PAGE 63			
	A/P	PIN NAME	ORDER	BAY -	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER			
OBUS 003	L	A04D2	1-01 *		T13			2					536			
OBUS 003	L	A07H2	1-02 *		T21S/T22S			1					536			
OBUS 003	L	B06H2	1-03 *		T18S			2					536			
OBUS 003	L	B09K2	1-04 *		T18S					12-6/8			536			
OBUS 004	L	A04F2	1-01 *		T13			2					537			
OBUS 004	L	B06K2	1-02 *		T18S			1					537			
OBUS 004	L	B09K1	1-03 *		T18S			2					537			
OBUS 004	L	B07R2	1-04 *		T21S/T22S					12-0/8			537			
OBUS 005	L	A04J2	1-01 *		T13			2					538			
OBUS 005	L	A07R1	1-02 *		T21S/T22S			1					538			
OBUS 005	L	B06H2	1-03 *		T18S			2					538			
OBUS 005	L	B09F2	1-04 *		T18S					11-4/8			538			
OBUS 006	L	A04H1	1-01 *		T13			1					539			
OBUS 006	L	A07S2	1-02 *		T21S/T22S			2					539			
OBUS 006	L	B06E2	1-03 *		T18S			1					539			
OBUS 006	L	B07F1	1-04 *		T18S					11-2/8			539			
OBUS 007	L	A04K1	1-01 *		T13			2					540			
OBUS 007	L	A07P1	1-02 *		T21S/T22S			1					540			
OBUS 007	L	B06C1	1-03 *		T18S			2					540			
OBUS 007	L	B09C1	1-04 *		T18S					10-6/8			540			
OBUS 008	L	A04M1	1-01 *		T13			2					541			
OBUS 008	L	A07S1	1-02 *		T17S			1					541			
OBUS 008	L	A08U2	1-03 *		T17S			2					541			
OBUS 008	L	B07N2	1-04 *		T21S/T22S					12-4/8			541			
OBUS 009	L	A04N2	1-01 *		T13			1					542			
OBUS 009	L	A09N2	1-02 *		T17S			2					542			
OBUS 009	L	A09S2	1-03 *		T17S			1					542			
OBUS 009	L	B07C1	1-04 *		T21S/T22S					12-0/8			542			
OBUS 010	L	A04R2	1-01 *		T13			2					543			
OBUS 010	L	A07N1	1-02 *		T17S			1					543			
OBUS 010	L	A08P2	1-03 *		T17S			2					543			
OBUS 010	L	B07D2	1-04 *		T21S/T22S					11-6/8			543			

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	A/P	PIN NAME	ORDER	BAY -	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER			
OBUS 011	L	A04U1	1-01 *		T13			2					544			
OBUS 011	L	B07A1	1-02 *		T21S/T22S			1					544			
OBUS 011	L	A06M2	1-03 *		T17S			2					544			
OBUS 011	L	A09K2	1-04 *		T17S					11-4/8			544			
OBUS 012	L	A09K1	1-01 *		T17S			1					545			
OBUS 012	L	A06K2	1-02 *		T17S			2					545			
OBUS 012	L	A04T2	1-03 *		T13			1					545			
OBUS 012	L	B07M2	1-04 *		T21S/T22S					12-0/8			545			
OBUS 013	L	A09F2	1-01 *		T17S			2					546			
OBUS 013	L	A06H2	1-02 *		T17S			1					546			
OBUS 013	L	A04V2	1-03 *		T13			2					546			
OBUS 013	L	B07H2	1-04 *		T21S/T22S					12-0/8			546			
OBUS 014	L	A09F1	1-01 *		T17S			1					547			
OBUS 014	L	A06E2	1-02 *		T17S			2					547			
OBUS 014	L	A04S1	1-03 *		T13			1					547			
OBUS 014	L	B07M1	1-04 *		T21S/T22S					13-2/8			547			
OBUS 015	L	A09C1	1-01 *		T17S			2					548			
OBUS 015	L	A06C1	1-02 *		T17S			1					548			
OBUS 015	L	B07J1	1-03 *		T21S/T22S					14-0/8			548			
OBUS 015	L	A04P1	1-04 *		T13								548			

TC11.F		HND288.V16(16) 03/31/72		Q		24-MAY-72		21112		PAGE 69		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
REV(0)	H	A11U1		1-01 *		T11S		2		26-2/8		582
REV(0)	H	D04C1		1-02 *		T04		1				582
REV(0)	H	D03P1	C21P1	1-03 *		T04		2				582
REV(0)	H	C21P1		1-04 *								582
REV(1)	H	A06M1		1-01 *		T117		1				583
REV(1)	H	A11S1		1-02 *		T11S		2				583
REV(1)	H	C10F2		1-03 *		T08		1				583
REV(1)	H	D04F1		1-04 *		T04		1				583
REV(1)	H	D02P2		1-05 *		T04		1				583
REV(1)	H	D20P2		1-06 *		T04		1		30-4/8		583
REVERSE	L	A19P2		1-01 *		T112		1				584
REVERSE	L	D20S2		1-02 *		T04S		1		10-6/8		584
REVERSE	L			1								584
RNUM	H	C09S1		1-01 *		T02		1				585
RNUM	H	C12E2	D14K2	1-02 *		T05S		2				585
RNUM	H	D14K2		1-03 *		T07		1		10-6/8		585
RNUM	L	C12E1		1-01 *		T05S		1				586
RNUM	L	C19T2		1-02 *		T05		1		6-6/8		586
RNUM	L			1								586
RALL	H	A06R1		1-01 *		T02		2				587
RALL	H	D06H2		1-02 *		T03		1				587
RALL	H	D06K1		1-03 *		T03S		2		21-6/8		587
RALL	H	D20M1		1-04 *		T03		1				587
RALL	H			1								587
RMB SH	H	C13D1		1-01 *		T06		1		13-2/8		588
RMB SH	H	C13K1		1-02 *		T06		2				588
RMB SH	H	C13R1		1-03 *		T06		1				588
RMB SH	H	D22C1		1-04 *		T05S		1				588
RMB SH	H			1								588
RMB0(0)	H	C13M2		1-01 *		T06		1				589
RMB0(0)	H	C13N2		1-02 *		T06		2				589
RMB0(0)	H	C14V1		1-03 *		T06S		1		9-2/8		589
RMB0(0)	H	C15P1		1-04 *		T06		1				589
RMB0(0)	H			1								589

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RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER		RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER	
RMB0(1)	H	A17U2		1-01 *		T16		1		8-2/8		590	
RMB0(1)	H	C14V2		1-02 *		T06S						590	
RMB1(0)	H	C13T2		1-01 *		T06		1				591	
RMB1(0)	H	C13U2		1-02 *		T06		2				591	
RMB1(0)	H	C14U1		1-03 *		T06S		1				591	
RMB1(0)	H	C15U1		1-04 *		T06				9-2/8		591	
RMB1(1)	H	B13U2		1-01 *		T15		1				592	
RMB1(1)	H	C14S1		1-02 *		T06S				5-0/8		592	
RMB2(0)	H	C13R1		1-01 *		T06		2				593	
RMB2(0)	H	C14R2		1-02 *		T06S		1				593	
RMB2(0)	H	C15P1		1-03 *		T06		2				593	
RMB2(0)	H	C15C1		1-04 *		T06				9-0/8		593	
RMB2(1)	H	B17U2		1-01 *		T14		1				594	
RMB2(1)	H	C14P2		1-02 *		T06S				5-0/8		594	
RMB3(0)	H	A23P2		1-01 *		T12		1				595	
RMB3(0)	H	B26P2		1-02 *		T12		2				595	
RMB3(0)	H	C13U1		1-03 *		T06		2				595	
RMB3(0)	H	C13K1		1-04 *		T06		1				595	
RMB3(0)	H	C14M1		1-05 *		T06S				17-0/8		595	
RMB3(1)	H	A17N2		1-01 *		T16		1				596	
RMB3(1)	H	A23N2		1-02 *		T12		2				596	
RMB3(1)	H	B20N2		1-03 *		T12		1				596	
RMB3(1)	H	C14L1		1-04 *		T06S		2				596	
RMB3(1)	H	C13M1		1-05 *		T06						596	
RMB3(1)	H	B07L1		1-06 *		T18		1		26-2/8		596	
RMB4(0)	H	B21P2		1-01 *		T12		2				597	
RMB4(0)	H	C13F2		1-02 *		T06		1				597	
RMB4(0)	H	C13E2		1-03 *		T06		2				597	
RMB4(0)	H	C14J2		1-04 *		T06S				11-4/8		597	

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A/P	PIN	NAME	ORDER	PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
RMB4(1)	H	B09H2	1-01 *			T10					1-2				598	
RMB4(1)	H	C13P1	1-02 *			T06					1-2				598	
RMB4(1)	H	C13H2	1-03 *			T06S					1-2				598	
RMB4(1)	H	B15N2	1-04 *			T15									598	
RMB4(1)	H	B21N2	1-05 *			T12									598	
RMB5(0)	H	B23P2	1-01 *			T12					2-1		18-2/8		599	
RMB5(0)	H	C13D1	1-02 *			T06					2-1				599	
RMB5(0)	H	C13C1	1-03 *			T06					2-1				599	
RMB5(0)	H	C13P1	1-04 *			T06S					2-1		12-4/8		599	
RMB5(1)	H	B09H1	1-01 *			T10					1-2				600	
RMB5(1)	H	C13A1	1-02 *			T06					1-2				600	
RMB5(1)	H	C13E1	1-03 *			T06S					1-2				600	
RMB5(1)	H	B17N2	1-04 *			T14					1-2				600	
RMB5(1)	H	B23N2	1-05 *			T12					1-2				600	
RNC1	H	C14B1	1-01 *			T06					2-1		18-2/8		601	
RNC1	H	C14C2	1-02 *			T06					2-1				601	
RNC1	H	C14H1	1-03 *			T06					2-1				601	
RNC1	H	C14L2	1-04 *			T05S					2-1		9-4/8		601	
RNC2	H	C14L2	1-01 *			T06					2-1				602	
RNC2	H	C14B2	1-02 *			T06					2-1				602	
RNC2	H	C14N1	1-03 *			T06					2-1				602	
RNC2	H	C14M1	1-04 *			T05S					2-1		9-6/8		602	
RNDAT	H	D14E2	1-01 *			T03					1-2				603	
RNDAT	H	C09D2	1-02 *			T02					1-2				603	
RNDAT	H	C09J2	1-03 *			T08					1-2				603	
RNDAT	H	D09S1	1-04 *			T02S					1-2				603	
SAT	H	C12D2	1-01 *			T05S					1		16-0/8		604	
SAT	H	D23T2	1-02 *			T04					1				604	
SAT	J	A15S2	1-01 *			T12					1-2				605	
SAT	J	C12D1	1-02 *			T05S					1-2				605	
SAT	J	D14X1	1-03 *			T03					1-2				605	
SAT	J	D09L1	1-04 *			T04					1		18-6/8		605	

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 72			
A/P	PIN	NAME	ORDER	PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
SELE	H	A09H2	1-01 *			T17					1-2				606	
SELE	H	D12P2	1-02 *			T03					1-2				606	
SELE	H	D13S2	1-03 *			T03S					1-2		14-6/8		606	
SELE	J	B24L2	1-01 *			T23					2-1				607	
SELE	J	C09D1	1-02 *			T10					2-1				607	
SELE	J	D17K2	1-03 *			T04					2-1				607	
SELE	J	D14R2	1-04 *			T03					2-1				607	
SELE	J	D12R2	1-05 *			T03S					2-1		18-6/8		607	
SELECT 0	H	C09E1	1-01 *			T19S					1-2				608	
SELECT 0	H	C07A1	1-02 *			T09					1-2				608	
SELECT 0	H	C09H1	1-03 *			T09					1-2				608	
SELECT 0	H	C09N2	1-04 *			T09					1-2		9-4/8		608	
SELECT 10	H	C09A1	1-01 *			T09					1-2				609	
SELECT 10	H	C09J2	1-02 *			T19S					1-2				609	
SELECT 10	H	C07R2	1-03 *			T09					1-2				609	
SELECT 10	H	C09T2	1-04 *			T09					1-2				609	
SELECT 10	H	C09T2	1-05 *			T02					1-2				609	
SELECT 10	H	D21P2	1-06 *			T02					1		22-0/8		609	
SELECT 2	H	A09H1	1-01 *			T17					1-2				610	
SELECT 2	H	B09H1	1-02 *			T10					1-2				610	
SELECT 2	H	C09C1	1-03 *			T09					1-2				610	
SELECT 2	H	C09E1	1-04 *			T09					1-2				610	
SELECT 2	H	B09T2	1-05 *			T19S					1-2				610	
SELECT 2	H	B13M1	1-06 *			T04					1-2				610	
SELECT 2	H	C21P2	1-07 *			T05					1-2				610	
SELECT 2	H	D14T2	1-08 *			T04					1		38-2/8		610	
SELECT 4	H	B04R2	1-01 *			T19S					1-2				611	
SELECT 4	H	C07D1	1-02 *			T09					1-2				611	
SELECT 4	H	C09F2	1-03 *			T09					1-2		7-4/8		611	
SELECT 6	H	B04S1	1-01 *			T19S					1-2				612	
SELECT 6	H	C09J2	1-02 *			T09					1-2				612	
SELECT 6	H	C07R1	1-03 *			T09					1		9-0/8		612	

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RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS
SELECT ECHO		A20P1		1-01 *		T12S		1	
SELECT ECHO		B10T2		1-02 *		T03			5-6/8
SET REQ	L	B11L1		1-01 *		T08		1	
SET REQ		D23N2		1-02 *		T05S			11-0/8
SH ST	H	C18M1		1-01 *		T07S		1	
SH ST		D10C1		1-02 *		T07			4-0/8
SLAVE CLEAR		A10F2		1-01 *		T10S		2	
SLAVE CLEAR	H	A10M2		1-02 *		T10		2	
SLAVE CLEAR	H	A10N2		1-03 *		T10		2	
SLAVE CLEAR	H	A10P2		1-04 *		T10		2	
SLAVE CLEAR	H	C00C1		1-05 *		T09		2	
SLAVE CLEAR	H	C00R2		1-06 *		T09		2	
SLAVE CLEAR	H	D14V2		1-07 *		T04		2	
SLAVE CLEAR		D21M1		1-08 *		T05		2	
SLAVE STROBE		A10T2		1-01 *		T10S		2	
SLAVE STROBE	H	B10R1		1-02 *		T10		2	
SLAVE STROBE	H	C00R1		1-03 *		T09		2	
SLAVE STROBE	H	C00R2		1-04 *		T09		2	
SLAVE STROBE	H	C00R1		1-05 *		T09		2	
SLAVE STROBE	H	C00R2		1-06 *		T09		2	
SLAVE STROBE	H	C00R1		1-07 *		T09		2	
SLAVE STROBE	H	C00R2		1-08 *		T09		2	
SLAVE STROBE		D21R1		1-09 *		T05		2	
SST	L	C42F1		1-01 *		T05S		1	
SST		D00M1		1-02 *		T04S			32-6/8
SSYN(0)	H	A11E2		1-01 *		T10		2	
SSYN(0)	H	A11J2		1-02 *		T10S		2	
SSYN(0)		B11P2		1-03 *		T04			8-4/8
SSYN(1)	H	A11H2		1-01 *		T10S		2	
SSYN(1)	H	B00J2		1-02 *		T10		2	
SSYN(1)	H	B00J1		1-03 *		T10		2	
SSYN(1)		D14J2		1-04 *		T07			17-2/8

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		21112		PAGE 74	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW RV PG Y	X	Z	REMARKS
ST BLK MK	H	C10R2		1-01 *		T07S		1	
ST BLK MK		D10E2		1-02 *		T07			4-4/8
ST BLK MK	L	C21V2		1-01 *		T03		1	
ST BLK MK		D10F2		1-02 *		T07S			5-4/8
ST CK	H	C23N1		1-01 *		T02		1	
ST CK	H	D10R1		1-02 *		T07S			9-4/8
ST CK		D17P1		1-03 *		T03			
ST FINAL	H	C19E1		1-01 *		T05		2	
ST FINAL	H	D10L2		1-02 *		T07S		2	
ST FINAL	H	D15H2		1-03 *		T05			
ST FINAL		D10C1		1-04 *		T07			13-0/8
ST FINAL	L	D10D2		1-01 *		T07S		1	
ST FINAL		D20A1		1-02 *		T05			4-2/8
ST IDLE	H	C09E2		1-01 *		T02		1	
ST IDLE	H	B13R2		1-02 *		T02		2	
ST IDLE	H	C10N2		1-03 *		T07S			
ST IDLE	H	D10D2		1-04 *		T07		1	
ST IDLE	H	D10J1		1-05 *		T07			
ST IDLE		D22E2		1-06 *		T07			24-2/8
ST IDLE	L	C21U2		1-01 *		T03		1	
ST IDLE		D10K1		1-02 *		T07S			5-6/8
ST REV CK	H	C10B1		1-01 *		T07		1	
ST REV CK	H	C19A1		1-02 *		T05		2	
ST REV CK	H	C20H1		1-03 *		T02		2	
ST REV CK	H	C17T2		1-04 *		T07		2	
ST REV CK	H	D10S1		1-05 *		T07S			
ST REV CK		D10I1		1-06 *		T07		1	
ST REV CK	L	D10H1		1-01 *		T07S		1	
ST REV CK		D20D2		1-02 *		T05			5-0/8

TC11.F RUN NAME	A/P	PIN NAME	ORDER	BAY - PIN	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 75 RUN NUMBER
STOP	L	A19N1	1-01 *			T12					1				630
STOP	L	D12L2	1-02 *			T04S							11-4/8		630
STOP			1												630
STP	H	D08L2	1-01 *			T04					1				631
STP	H	D08N1	1-02 *			T04S					1				631
STP	H	D12N1	1-03 *			T04					1				631
STP	H	D13U2	1-04 *			T04					1				631
STP	H	D13H2	1-05 *			T02					1				631
STP			1										10-2/8		631
STP	L	C23C1	1-01 *			T04					2				632
STP	L	C23P2	1-02 *			T04					1				632
STP	L	D12P1	1-03 *			T04S							12-2/8		632
STP			1												632
SYNC	H	D19N2	1-01 *			T07S					1				633
SYNC	H	D12D1	1-02 *			T02							5-0/8		633
SYNC			1												633
SYNC	L	D19M2				T07S								1-PIN RUN	634
TAPE CLK (0)	H	A11V1	1-01 *			T10S					1				635
TAPE CLK (0)	H	A21P2	1-02 *			T12							7-6/8		635
TAPE CLK (0)			1												635
TAPE CLK (1)	H	A11V2	1-01 *			T10S					1				636
TAPE CLK (1)	H	A21N2	1-02 *			T12							7-6/8		636
TAPE CLK (1)			1												636
TC INT	H	B05K2	1-01 *			T19S					1				637
TC INT	H	B12N2	1-02 *										6-2/8		637
TC INT			1												637
TCBA TO BUS	L	A07D2	1-01 *			T21					1				638
TCBA TO BUS	L	C07S1	1-02 *			T09S							9-2/8		638
TCBA TO BUS			1												638
TCST TO BUS	L	A09U2	1-01 *			T17					1				639
TCST TO BUS	L	B09U2	1-02 *			T18					2				639
TCST TO BUS	L	C07C1	1-03 *			T09S							9-0/8		639
TCST TO BUS			1												639
TCMC TO BUS	L	B07T2	1-01 *			T22					1				640
TCMC TO BUS	L	C07F1	1-02 *			T09S							3-6/8		640
TCMC TO BUS			1												640

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME PIN	BAY ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 76 RUN NUMBER
TM ENABLE	H	A23R2	1-01 *		T12					2				641
TM ENABLE	H	A21R2	1-02 *		T12					1				641
TM ENABLE	H	B12F2	1-03 *		T10S							10-6/8		641
TM ENABLE			1											641
TM ENABLE	L	B12D2	1-01 *		T10					1				642
TM ENABLE	L	B12E2	1-02 *		T10					2				642
TM ENABLE	L	B10S1	1-03 *		T10					1				642
TM ENABLE	L	B10U1	1-04 *		T10					2				642
TM ENABLE	L	C20E1	1-05 *		T10S							17-0/8		642
TM ENABLE			1											642
TP	H	D21C1	1-01 *		T02S					2				643
TP	H	C22V1	1-02 *		T02					1				643
TP	H	C22E1	1-03 *		T02					2				643
TP	H	C22M1	1-04 *		T02					1				643
TP	H	C16N2	1-05 *		T05					2				643
TP	H	D10P2	1-06 *		T02							20-6/8		643
TP			1											643
TP CONTROL	H	D08S2	1-01 *		T04S					2				644
TP CONTROL	H	D08B1	1-02 *		T04					1				644
TP CONTROL	H	D12H2	1-03 *		T04							8-6/8		644
TP CONTROL			1											644
TP CONTROL	L	C17H2	1-01 *		T04					2				645
TP CONTROL	L	D19M1	1-02 *		T04					1				645
TP CONTROL	L	D12J2	1-03 *		T04S					2				645
TP CONTROL	L	D08E1	1-04 *		T04							16-0/8		645
TP CONTROL			1											645
TP0	H	B10K2	1-01 *		T04					1				646
TP0	H	B10L2	1-02 *		T04					2				646
TP0	H	C17A1	1-03 *		T02					1				646
TP0	H	D21E1	1-04 *		T02					1				646
TP0	H	D12K1	1-05 *		T04S									646
TP0	H	D08R2	1-06 *		T03					1				646
TP0			1									27-2/8		646
TP0	L	D08K2	1-01 *		T04S					1				647
TP0	L	D12J1	1-02 *		T04					2				647
TP0	L	D13M1	1-03 *		T04					1				647
TP0	L	D13E2	1-04 *		T04					1				647
TP0	L	C16M1	1-05 *		T07									647
TP0	L	D21A1	1-06 *		T02									647
TP0	L	D21J2	1-07 *		T02					1				647
TP0			1									23-0/8		647

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		21112		PAGE 77	
RUN NAME		A/P PIN ORDER		BAY ORDER		Q DRAW RV PG Y X Z		REMARKS	
		NAME		PIN ORDER				LENGTH	
								EXCEPTIONS	
								PAGE 77	
								RUN	
								NUMBER	
TP00	TP00	C02R2	1-01 *	T05	2			649	
TP00	TP00	C02N2	1-02 *	T05	1			648	
TP00	TP00	C16F2	1-03 *	T05	2			649	
TP00	TP00	C16D1	1-04 *	T07	1			648	
TP00	TP00	C08R1	1-05 *	T08	1			648	
TP00	TP00	C08R1	1-06 *	T02	1			648	
TP00	TP00	C12F1	1-07 *	T04	1			648	
TP00	TP00	D12F2	1-08 *	T04S	1			648	
TP00	TP00	D12H1	1-09 *	T07	1			648	
TP00	TP00	D22D1	1-01 *	T02	1			649	
TP00	TP00	D22H1	1-02 *	T02	1			649	
TP00	TP00	D12H1	1-03 *	T04S	1			649	
TP01	TP01	D12F2	1-01 *	T04S	1			651	
TP1	TP1	C10E2	1-01 *	T05	1			652	
TP1	TP1	D15D1	1-02 *	T07	1			652	
TP1	TP1	D15D1	1-03 *	T05	1			652	
TP1	TP1	D12D2	1-04 *	T04S	1			652	
TP1	TP1	B10J2	1-01 *	T04	2			653	
TP1	TP1	C04K2	1-02 *	T08	1			653	
TP1	TP1	C04L2	1-03 *	T08	1			653	
TP1	TP1	D08K1	1-04 *	T04S	1			653	
TP1	TP1	D12C1	1-05 *	T04	1			653	
TP1	TP1	D21B1	1-06 *	T02	1			653	
TP1	TP1	D21H1	1-07 *	T02	1			653	
TP1	TP1	D22L1	1-08 *	T02	1			653	
UNIT SELECT 0	UNIT SELECT 0	A19B1	1-01 *	T12S	1			654	
UNIT SELECT 0	UNIT SELECT 0	A20V2	1-02 *	T12	1			654	
UNIT SELECT 0	UNIT SELECT 0							654	

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		21112		PAGE 78	
RUN NAME		A/P PIN ORDER		BAY ORDER		Q DRAW RV PG Y X Z		REMARKS	
		NAME		PIN ORDER				LENGTH	
								EXCEPTIONS	
								PAGE 78	
								RUN	
								NUMBER	
UNIT SELECT 1	UNIT SELECT 1	A19E1	1-01 *	T12S	1			655	
UNIT SELECT 1	UNIT SELECT 1	A20E2	1-02 *	T12	1			655	
UNIT SELECT 1	UNIT SELECT 1							655	
UNIT SELECT 2	UNIT SELECT 2	A19H1	1-01 *	T12S	1			656	
UNIT SELECT 2	UNIT SELECT 2	A20H2	1-02 *	T12	1			656	
UNIT SELECT 2	UNIT SELECT 2							656	
UNIT SELECT 3	UNIT SELECT 3	A19F2	1-01 *	T12S	1			657	
UNIT SELECT 3	UNIT SELECT 3	A20K2	1-02 *	T12	1			657	
UNIT SELECT 3	UNIT SELECT 3							657	
UNIT SELECT 4	UNIT SELECT 4	A19K1	1-01 *	T12S	1			658	
UNIT SELECT 4	UNIT SELECT 4	A20H2	1-02 *	T12	1			658	
UNIT SELECT 4	UNIT SELECT 4							658	
UNIT SELECT 5	UNIT SELECT 5	A19J2	1-01 *	T12S	1			659	
UNIT SELECT 5	UNIT SELECT 5	A20P2	1-02 *	T12	1			659	
UNIT SELECT 5	UNIT SELECT 5							659	
UNIT SELECT 6	UNIT SELECT 6	A19M1	1-01 *	T12S	1			660	
UNIT SELECT 6	UNIT SELECT 6	A20S2	1-02 *	T12	1			660	
UNIT SELECT 6	UNIT SELECT 6							660	
UNIT SELECT 7	UNIT SELECT 7	A19L2	1-01 *	T12S	1			661	
UNIT SELECT 7	UNIT SELECT 7	A20T2	1-02 *	T12	1			661	
UNIT SELECT 7	UNIT SELECT 7							661	
UNIT SELECT DELAY	UNIT SELECT DELAY	D09K1	1-01 *	T04S	1			662	
UNIT SELECT DELAY	UNIT SELECT DELAY	D23F1	1-02 *	T02	1			662	
UNIT SELECT DELAY	UNIT SELECT DELAY							662	
UNIT SELECT DELAY	UNIT SELECT DELAY	D09E2	1-01 *	T04S	1			663	
UNIT SELECT DELAY	UNIT SELECT DELAY	D14M1	1-02 *	T03	1			663	
UNIT SELECT DELAY	UNIT SELECT DELAY							663	
UNIT1(0)	UNIT1(0)	D04H2	1-01 *	T11S	1			664	
UNIT1(0)	UNIT1(0)	D05J1	1-02 *	T04	1			664	
UNIT1(0)	UNIT1(0)							664	
UNIT1(1)	UNIT1(1)	A18V1	1-01 *	T12	2			665	
UNIT1(1)	UNIT1(1)	A12D2	1-02 *	T11S	1			665	
UNIT1(1)	UNIT1(1)	A08P1	1-03 *	T17	2			665	
UNIT1(1)	UNIT1(1)	D04E2	1-04 *	T11	1			665	
UNIT1(1)	UNIT1(1)	D04J2	1-05 *	T04	1			665	
UNIT1(1)	UNIT1(1)							665	

TC11.F
RUN NAME

A/P HND288.V16(16) 03/31/72
PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

24-MAY-72 LENGTH EXCEPTIONS

PAGE 79
RUN NUMBER

UNIT2(1)
UNIT2(1)
UNIT2(1)
UNIT2(1)
UNIT2(1)
UNIT2(1)

H A18U2
H A12V2
H A08R1
H D04N1
H D07U1
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T12
T11S
T17
T04
T04

24-0/8

666
666
666
666
666

UNIT3(1)
UNIT3(1)
UNIT3(1)
UNIT3(1)
UNIT3(1)
UNIT3(1)

H A18V2
H A12E2
H A08L1
H D04R1
H D07U2
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T12
T11S
T17
T04
T04

25-4/8

667
667
667
667
667

UPS(0(1)
UPS(0(1)
UPS(0(1)
UPS(0(1)
UPS(0(1)
UPS(0(1)
UPS(0(1)

H A08V1
H A08V2
H B13R1
H B24S2
H D22D2
H D22R1
H D19M1
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *
1-06 *
1-07 *

T04
T04
T04
T24
T07
T07
T04S

30-4/8

668
668
668
668
668
668
668

UPS(1(1)
UPS(1(1)
UPS(1(1)
UPS(1(1)
UPS(1(1)
UPS(1(1)

H B09A1
H D08J2
H D08H1
H D19N1
H C19K2
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T18
T04
T04
T04S
T07

25-0/8

669
669
669
669
669
669

WALL
WALL
WALL
WALL

H C09L1
H C21K1
H D10S1
H

1-01 *
1-02 *
1-03 *

T02
T02
T05S

15-2/8

670
670
670

WALL
WALL
WALL
WALL
WALL
WALL
WALL

L C19N2
L D21N2
L D21T2
L D18R1
L D08H1
L

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T05
T05S
T02
T05
T03

21-2/8

671
671
671
671
671
671

WALL EN
WALL EN
WALL EN
WALL EN
WALL EN
WALL EN

H C24M2
H D22V1
H D21M2
H D16K2
H

1-01 *
1-02 *
1-03 *
1-04 *

T24S
T24
T05
T05

15-0/8

672
672
672
672

TC11.F
RUN NAME

A/P HND288.V16(16) 03/31/72
PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

24-MAY-72 LENGTH EXCEPTIONS

PAGE 80
RUN NUMBER

WALL EN
WALL EN
WALL EN

L D06E1
L D19L2
L

1-01 *
1-02 *

T03
T05S

8-0/8

673
673
673

WCO(0)
WCO(0)
WCO(0)

H C24M2
H D07R1
H

1-01 *
1-02 *

T05
T02S

10-2/8

674
674
674

WCO(1)
WCO(1)
WCO(1)
WCO(1)

H C20T2
H C09F2
H D07V1
H

1-01 *
1-02 *
1-03 *

T05
T02
T02S

15-6/8

675
675
675
675

WCOF
WCOF
WCOF

L B07S2
L D07V2
L

1-01 *
1-02 *

T22S
T02

8-0/8

676
676
676

WDATA
WDATA
WDATA
WDATA
WDATA
WDATA
WDATA
WDATA

H C12H2
H D14A1
H D15F2
H D08E1
H C19D2
H C03F1
H C03M1
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *
1-06 *
1-07 *

T05S
T07
T05
T05
T05
T02
T02

25-2/8

677
677
677
677
677
677
677

WDATA
WDATA
WDATA
WDATA

L C19R2
L C12H1
L D06R1
L

1-01 *
1-02 *
1-03 *

T05
T05S
T02

13-6/8

678
678
678

WREN(0)
WREN(1)
WREN(1)
WREN(1)
WREN(1)
WREN(1)
WREN(1)

H D19K2
H B23R2
H B20R2
H B21R2
H D22J1
H D19J2
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T02S
T12
T12
T02
T02S

1-PIN RUN

679
680
680
680
680
680
680

WRITE
WRITE
WRITE
WRITE
WRITE

H C21J2
H C19S2
H C16M2
H C16H2
H D06B1
H

1-01 *
1-02 *
1-03 *
1-04 *
1-05 *

T05
T05S
T05
T05
T03

17-0/8

681
681
681
681
681
681

WRITE

H

1-05 *

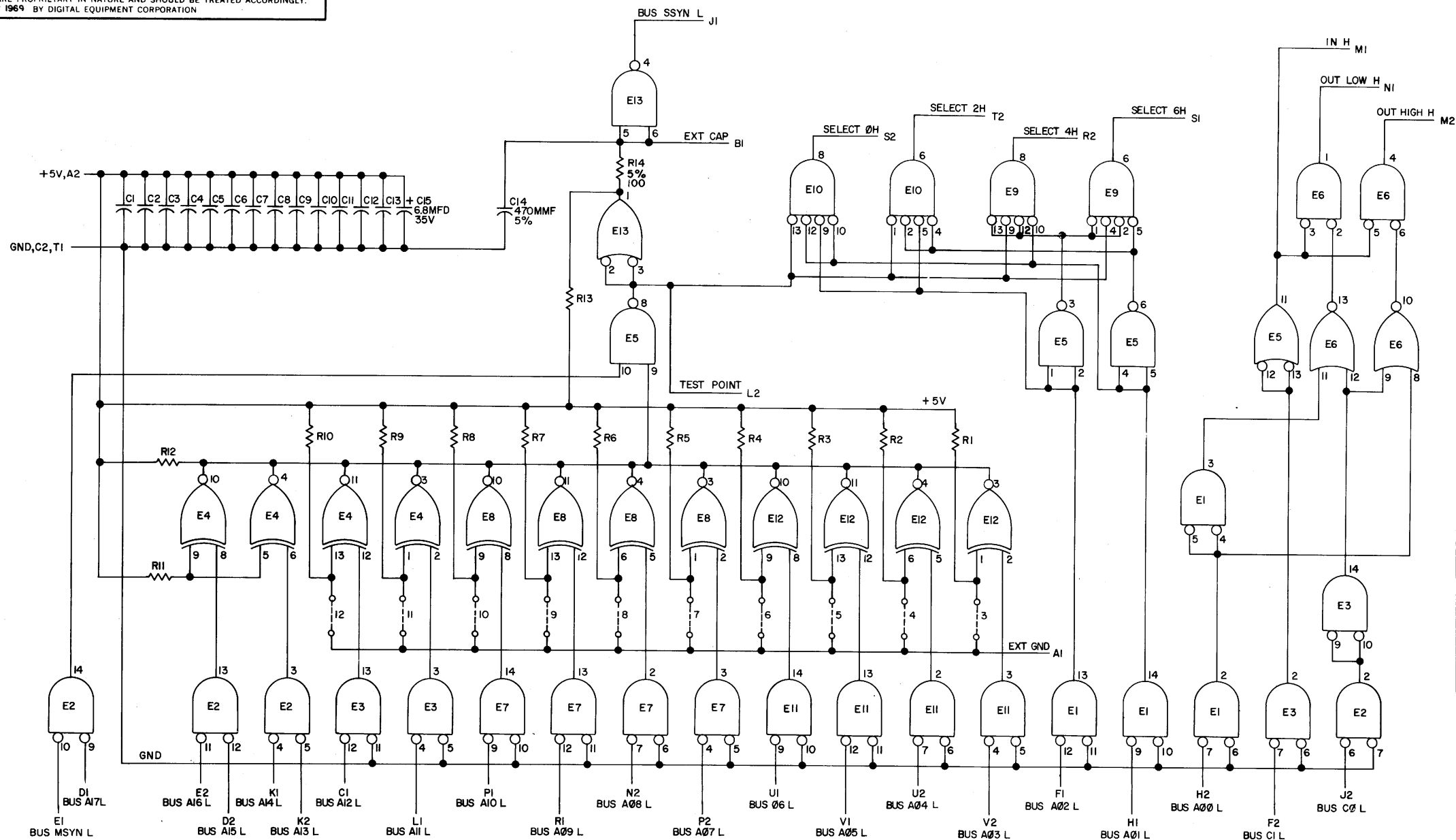
T03

19-0/8

681

[illegible]

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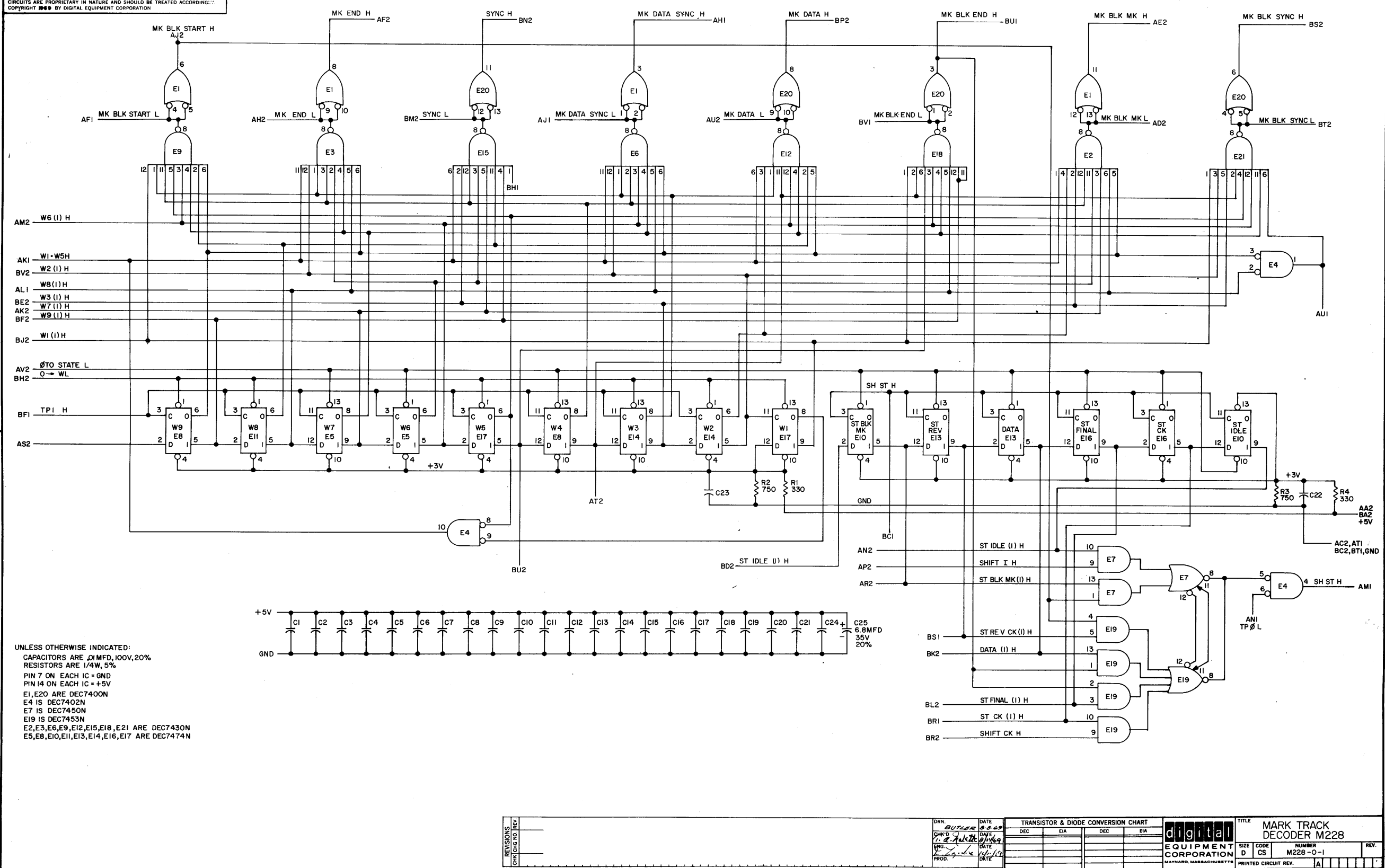
UNLESS OTHERWISE INDICATED:
 O---O INDICATES JUMPERS
 RESISTORS ARE 1K, 1/4W, 5%
 CAPACITORS ARE 0.1MFD, 100V, 20%
 E1, E2, E3, E7, E11 ARE DEC380
 E4, E8, E12 ARE DEC242
 E9, E10 ARE DEC8815
 E5 IS DEC7400
 E6 IS DEC7402
 E13 IS DEC8881
 PIN 1 ON E1, E2, E3, E7, E11 = GND
 PIN 8 ON E1, E2, E3, E7, E11 = +5V
 PIN 7 ON E4, E5, E6, E8, E9, E10, E12, E13 = GND
 PIN 14 ON E4, E5, E6, E8, E9, E10, E12, E13 = +5V

REVISIONS		CHK'D		DATE		TRANSISTOR & DIODE CONVERSION CHART		TITLE	
1	A	1	11-26-69	DEC	EIA	DEC	EIA	ADDRESS SELECTOR MI05	
2	B	2	1-9-70					SIZE	CODE
3		3						C	CS
4		4						NUMBER	REV
								MI05-0-1	B
DEC FORM NO. DRC 102								PRINTED CIRCUIT REV. C	

SIZE CODE C CS
 NUMBER MI05-0-1
 REV. B

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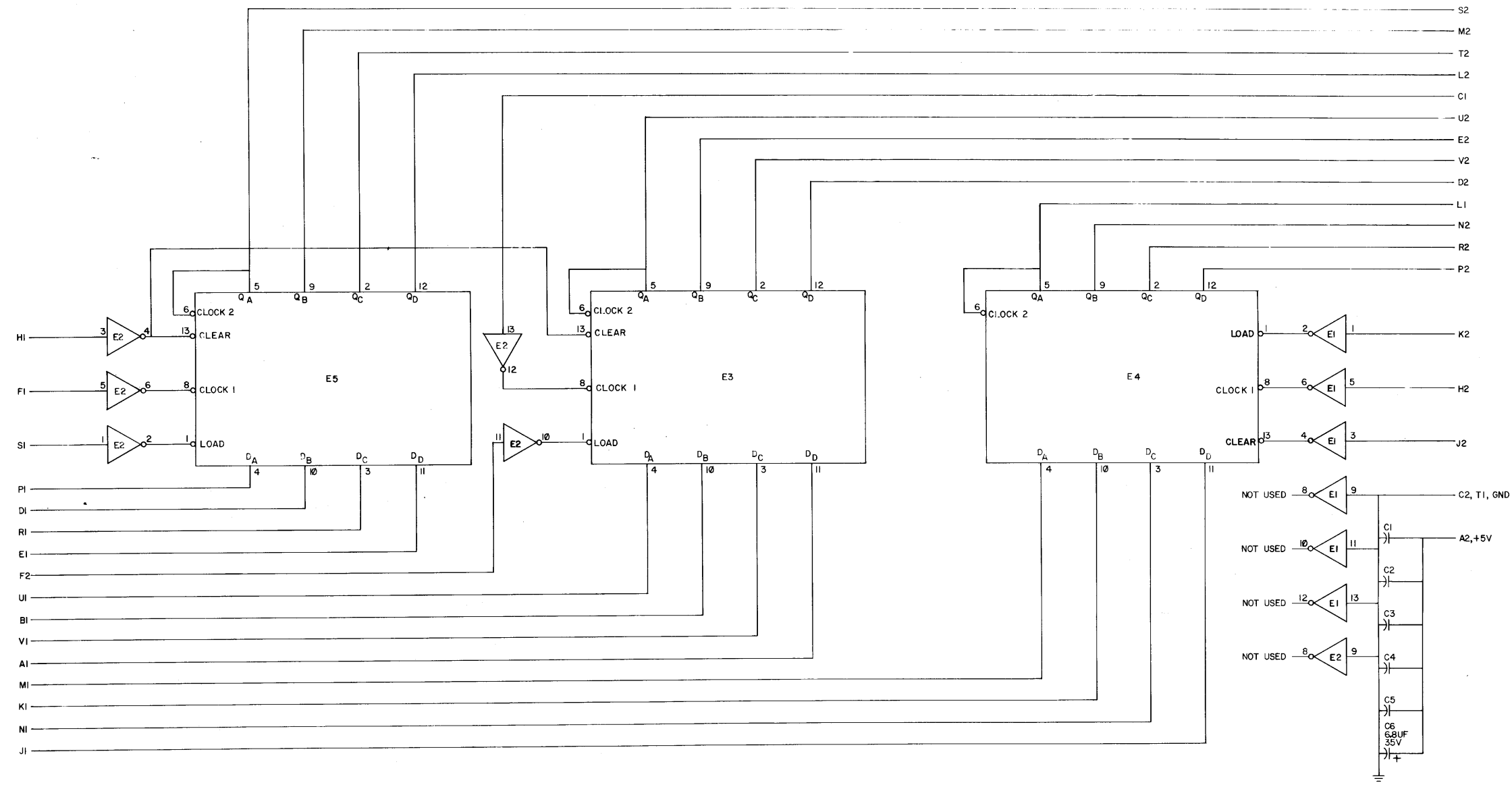
1-0-822W
958M0N
S0
3000 1/16



REV. 1
NUMBER M228-0-1
PAGE CODE D

REV. 1	DATE 8.9.69	DESIGNED BY 1. A. Butler	DATE 8.9.69	PROD. 1. A. Butler	DATE 10.1.69
TRANSISTOR & DIODE CONVERSION CHART					
DEC	EIA	DEC	EIA		
TITLE MARK TRACK DECODER M228					
SIZE D	CODE CS	NUMBER M228-0-1	REV. 1		
PRINTED CIRCUIT REV. A					

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UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01UF, 100V, 20%
E3, E4, E5 ARE DEC74197
E1, E2 ARE DEC74H04
ON ALL IC'S PIN 14 = +5V, PIN 7 = GND

REV	DATE	BY	CHKD	DATE	BY
1	8/25/70	jeanne french			

DATE	BY	CHKD	DATE	BY
8/25/70	jeanne french			

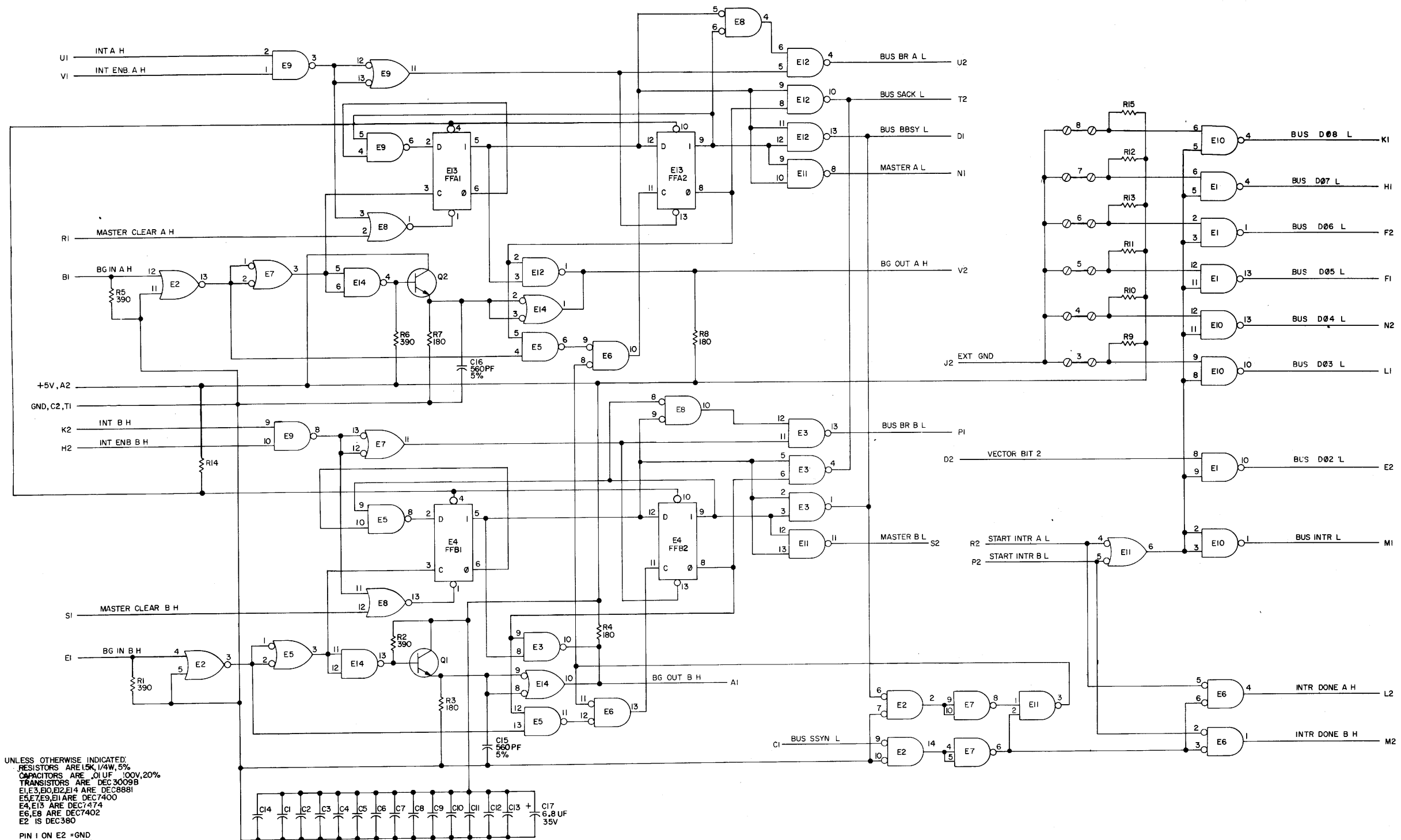
DATE	BY	CHKD	DATE	BY
8/25/70	jeanne french			

DATE	BY	CHKD	DATE	BY
8/25/70	jeanne french			

DATE	BY	CHKD	DATE	BY
8/25/70	jeanne french			

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8 1-0-0282/M SC D
A78 880W11 3003 1216



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 15K, 1/4W, 5%
CAPACITORS ARE .01 UF 100V, 20%
TRANSISTORS ARE DEC 3009B
E13, E10, E12, E14 ARE DEC 8881
E5, E7, E9, E11 ARE DEC 7400
E4, E13 ARE DEC 7474
E6, E8 ARE DEC 7402
E2 IS DEC 380

PIN 1 ON E2 = GND
PIN 8 ON E2 = +5V
PIN 7 ON E1, E3 - E14 = GND
PIN 14 ON E1, E3 - E14 = +5V
⊗ = SPLIT LUGS
— = JUMPERS

REV	DATE	BY	CHKD
1	12/31/70	W. J. W.	W. J. W.
2	1/14/71	W. J. W.	W. J. W.

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 3009B	2N 3009B		

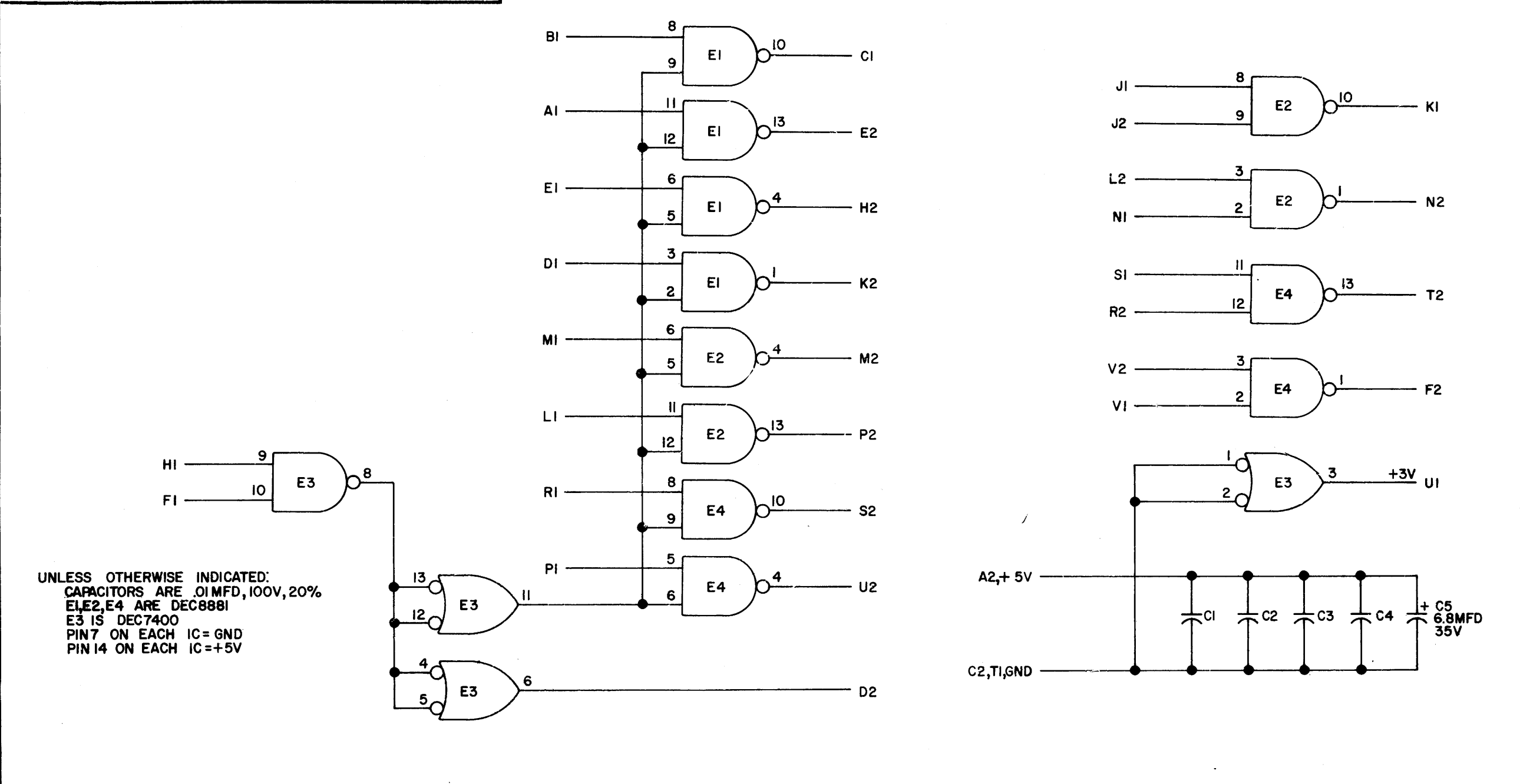
digital EQUIPMENT CORPORATION		TITLE INTERRUPT CONTROL M7820	
SIZE D	CODE CS	NUMBER M7820-0-1	REV B
PRINTED CIRCUIT REV. B/C			

REV B
M7820-0-1
CS

4 DIST. 1241434.433 P/MK

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REV. NUMBER M783-0-1 CS B SIZE



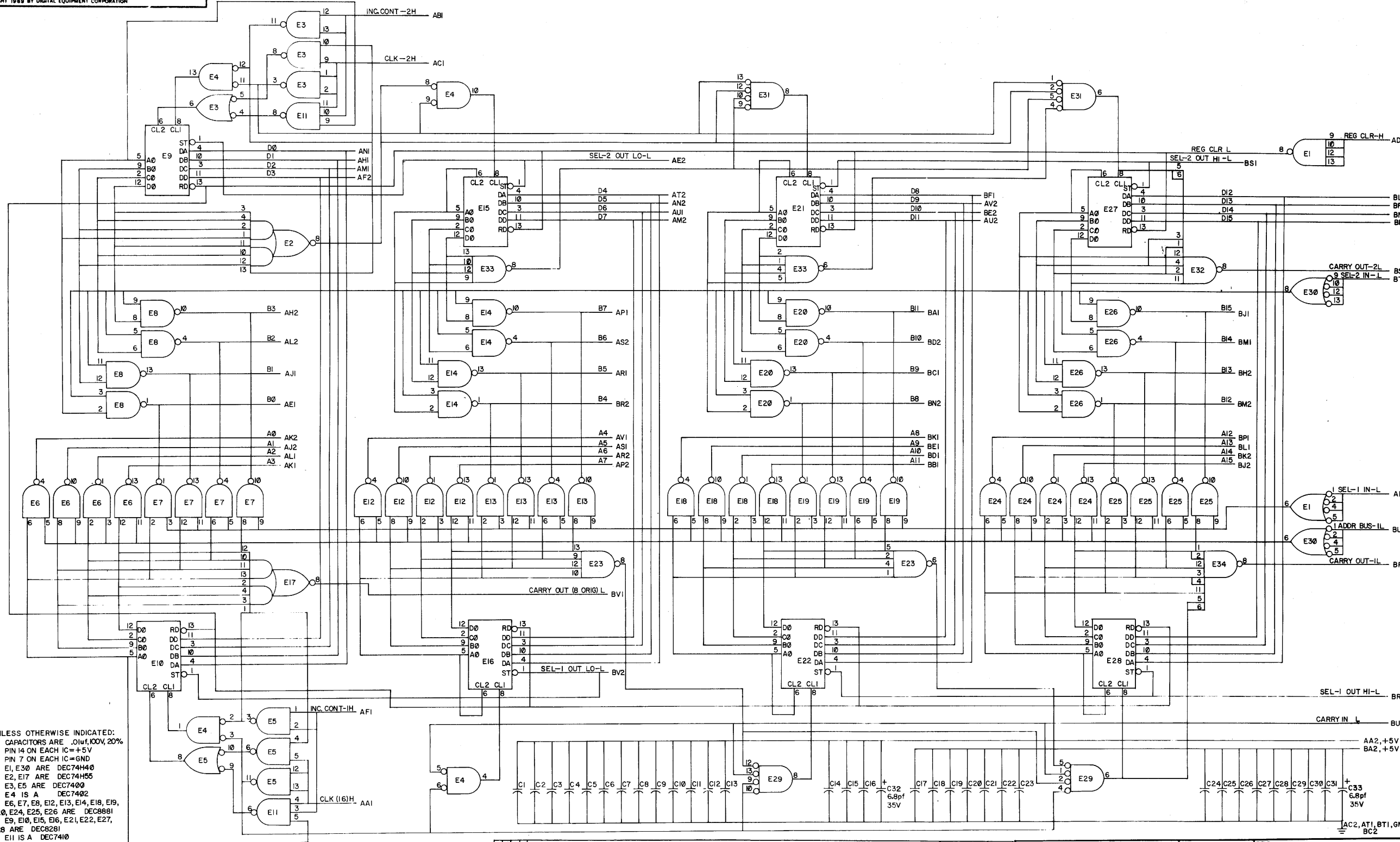
REVISIONS CHK CHG NO. REV.	DRN. <i>A. Ritey</i>	DATE 11-21-69	TRANSISTOR & DIODE CONVERSION CHART				TITLE UNIBUS DRIVERS M783
	CHK'D <i>L. M. ...</i>	DATE 1-7-70	DEC	EIA	DEC	EIA	
	ENG. <i>P. E. ...</i>	DATE 2-25-70					
	PROD.	DATE					
			5				PRINTED CIRCUIT REV. A B

DEC FORM NO. DRB 102

DIST. 324, 434, 435³ PINK

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8 1-0-96LW SC D
A28 928MIN 3002 3215



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01uf, 100V, 20%
PIN 14 ON EACH IC = +5V
PIN 7 ON EACH IC = GND
E1, E30 ARE DEC74H40
E2, E17 ARE DEC74H55
E3, E5 ARE DEC7400
E4 IS A DEC7402
E6, E7, E8, E12, E13, E14, E18, E19,
E20, E24, E25, E26 ARE DEC8881
E9, E10, E15, E16, E21, E22, E27,
E28 ARE DEC8281
E11 IS A DEC7410
E33, E23 ARE DEC7420
E29, E31 ARE DEC8815
E32, E34 ARE DEC7430

REVISIONS	DATE	BY	CHKD	APPD
1	7-8-70	JEANNE FRENCH		
2	8-1-70	JEANNE FRENCH		
3	8-1-70	JEANNE FRENCH		

TRANSISTOR & DIODE CONVERSION CHART	DATE	BY	CHKD	APPD
DEC	7-8-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		
DEC	8-1-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		

TRANSISTOR & DIODE CONVERSION CHART	DATE	BY	CHKD	APPD
DEC	7-8-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		
DEC	8-1-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		

TRANSISTOR & DIODE CONVERSION CHART	DATE	BY	CHKD	APPD
DEC	7-8-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		
DEC	8-1-70	JEANNE FRENCH		
EIA	8-1-70	JEANNE FRENCH		

WC AND CMA MODULE M795	DATE	BY	CHKD	APPD
7-8-70	JEANNE FRENCH			
8-1-70	JEANNE FRENCH			
8-1-70	JEANNE FRENCH			
8-1-70	JEANNE FRENCH			

SIZE	CS	NUMBER	C
3/4	CODE	M796	REV
		1-0	



REVISIONS		
CHK	CHG NO.	REV.
	00001	A
	00002	B
	00003	C
B. Bailey/11-20-04		
S. JENKINS		
S. Jenkins		

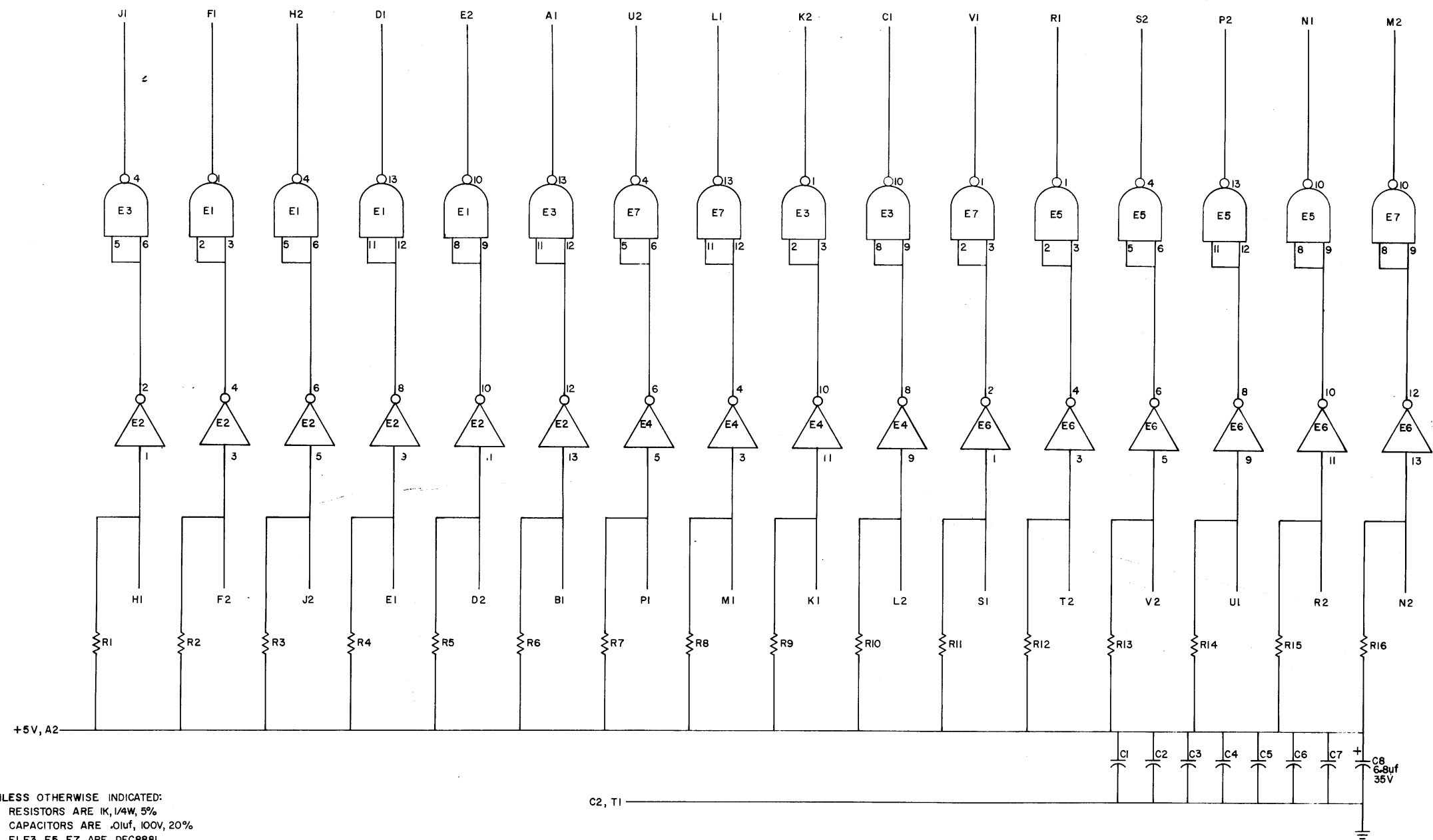
DRN. <i>Fannie French</i>	DATE <i>6/29/70</i>
CHMD <i>J. Monahan</i>	DATE <i>7-30-70</i>
ENG. <i>E. J. Burke</i>	DATE <i>8-21-70</i>
PROD.	DATE

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE		UNIBUS MASTER CONTROL M796	
SIZE	CODE	NUMBER	
D	CS	M796 -0-1	
PRINTED CIRCUIT REV.		C	

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REV	CHG	NO	REV
1	2	00001	A

DEC FORM NO. 102

DRN	DATE
7/1/70	
CHK'D	DATE
7/28/70	
ENG	DATE
8/1/70	
PROD.	DATE

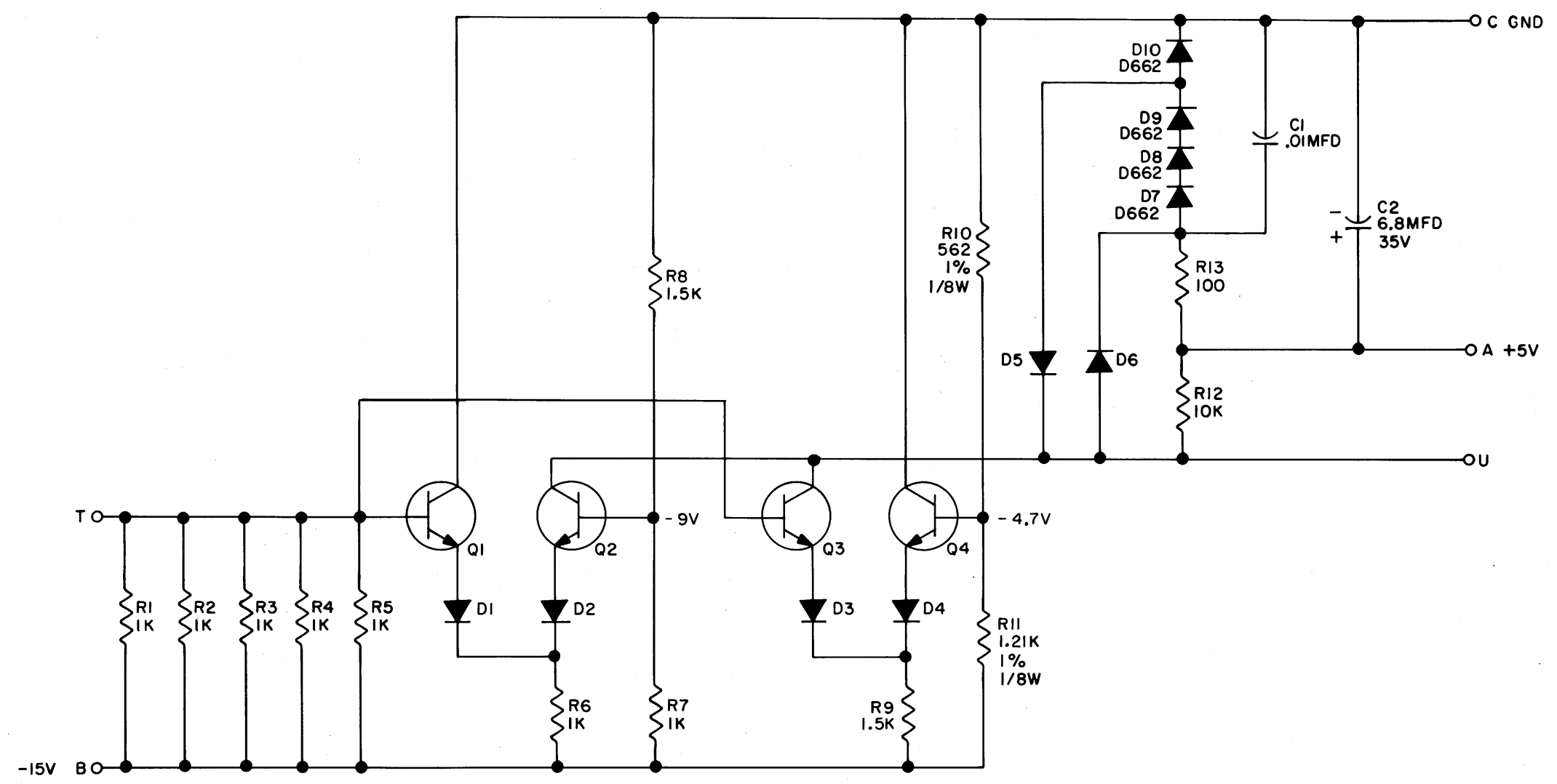
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital		EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	
TITLE		UNIBUS DRIVER		M798	
SIZE	CODE	NUMBER	REV.		
C	CS	M798 - 0 - 1	A		
PRINTED CIRCUIT REV.		B			

SIZE	CODE	NUMBER	REV.
C	CS	M798 - 0 - 1	A

DISC 32474 100 4 P.N. 1364E

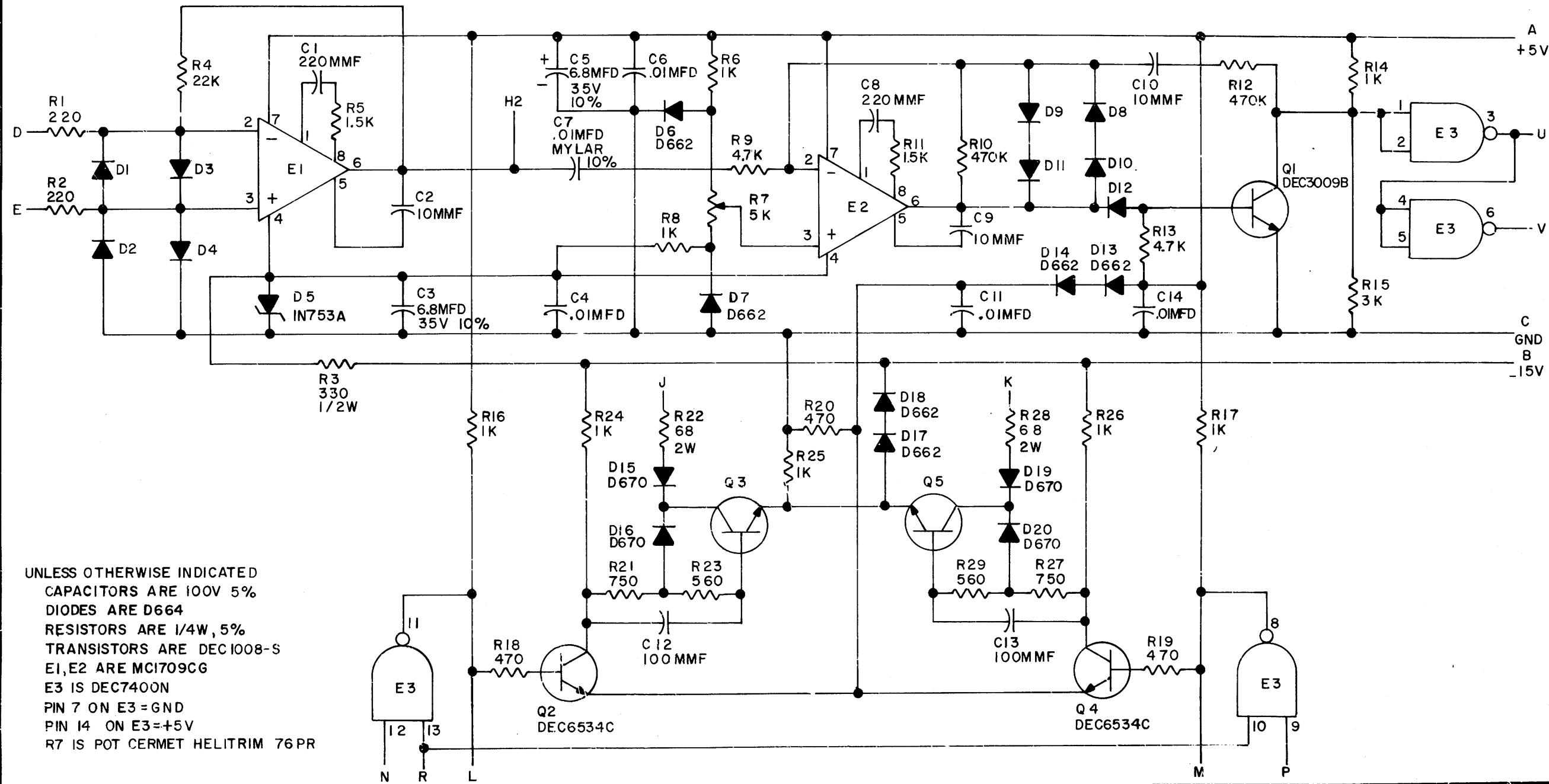
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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
TRANSISTORS ARE DEC3009B

REVISIONS	CHK	CHG	NO.	REV.	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE TRANSPORT DETECTOR G879			
					BUTLER	7/2/69	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
					CHK'D	DATE	D664	IN3606				B	CS	G879-0-1	
					ENG	DATE	D662	IN645							
					PROD.	DATE	DEC3009B	2N3009			PRINTED CIRCUIT REV. A				

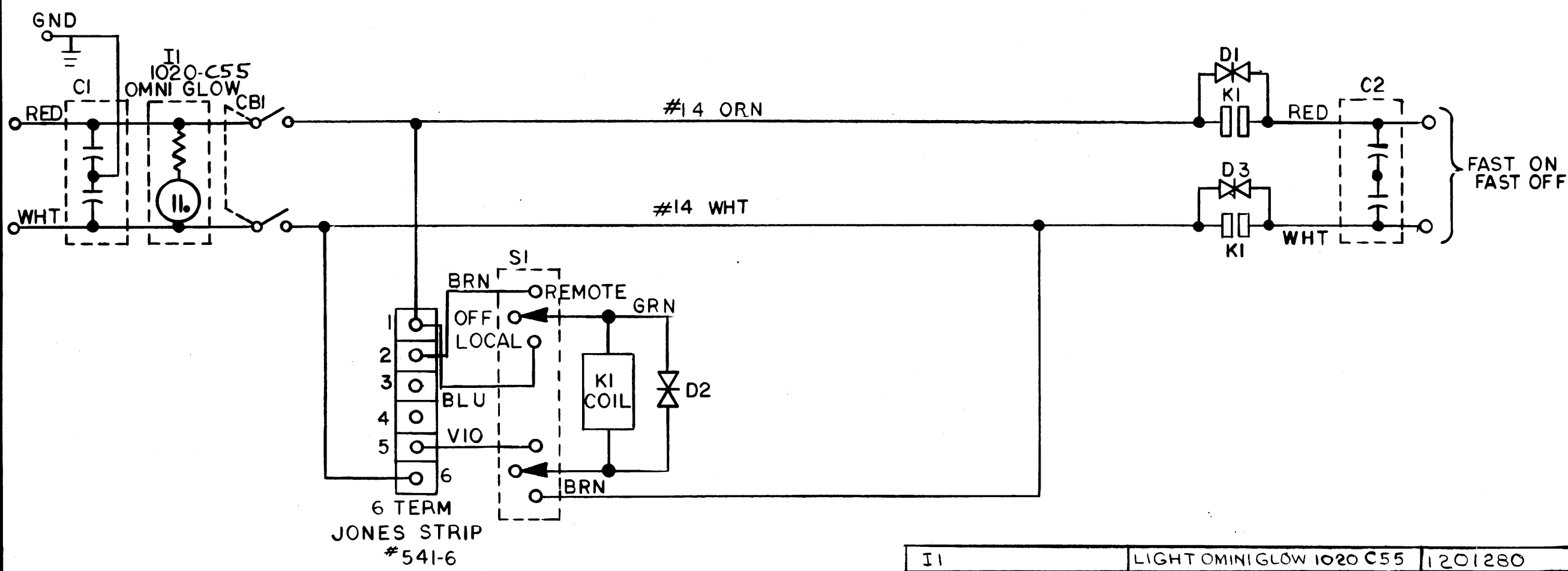
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UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V 5%
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC1008-S
E1, E2 ARE MC1709CG
E3 IS DEC7400N
PIN 7 ON E3 = GND
PIN 14 ON E3 = +5V
R7 IS POT CERMET HELITRIM 76PR

REVISIONS	CHK	CHG	NO	REV	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	TITLE MANCHESTER			
	1				8-29-69	8-29-69	DEC	EIA	DEC	EIA		READER/WRITER G888			
					9/3/69	9/3/69	D664	IN3606	DEC1008-S	MM1008		SIZE	CODE	NUMBER	REV.
					9/25/69	9/25/69	D662	IN645				B	CS	G888-0-1	
							D670	SAME				PRINTED CIRCUIT REV. A			
							DEC3009B	2N3009B				EQUIPMENT CORPORATION			
							DEC6534C	MPS6534				MAYNARD, MASSACHUSETTS			

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I1	LIGHT OMNI GLOW 1020 C55	1201280
D1, D2, D3	DIODE THY 6RS20SP4B4	1100106
CBI	CIR BREAKER*190-220-104	1201218
KI	RELAY EM-4, 115V	1205768
SI	TOGGLE SW CH 7563K6	1205964
C1 & C2	CAP. 2X .1MFD 1KVDC	1000034
PARTS LIST		A-PL-854-0-0
REF DESIGNATION	DESCRIPTION	PART NO
PARTS LIST		

REVISIONS	CHK	CHG NO.	REV.	DRN. P. LeBlanc	DATE 10-21-68	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE POWER CONTROL 854			
	00002	A	00002			DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
	00002	A	00002								B	CS	854-0-1	A
	00002	A	00002											
PROD. GW GERELDS				DATE 11/15/68						PRINTED CIRCUIT REV.				