

MASTER DRAWING LIST

[illegible]

DRA 131

Dec 16 (325)-1048-N471

PRINT SET			DWG. NO.	REV. NO. OR LET. SHEET	TITLE	OPTION NO.
X			C-10-KT11-B-0		PAGING OPTION	
X			A-PI-KT11-B-0		PAGING OPTION (PI)	
X			D-BD-KT11-B-0	1	WIRE ASS.	
X			A-DI-KT11-B-0	1	WIRE ASSY. (DI)	
X			D-MM-KT11-B-01	2	MODULE UTILIZATION	
X			A-DI-KT11-B-01	2	MODULE UTILIZATION (PI)	
X			D-BS-KT11-B-02	2	ADDRESS BUS & CONTROL LOGIC	
X			D-PS-KT11-B-03	1	STATE CONTROL LOGIC	
X			D-BS-KT11-B-04	1	STATE INPUT/EX	
X			D-BS-KT11-B-05	1	AM CONTROL & ADDRESS SIGNALS	
X			D-BS-KT11-B-06	1	ADDRESS PAD & STATE CONTROL LOGIC	
X			D-BS-KT11-B-07	1	DATA BUS & CONTROL LOGIC	
X			D-PS-KT11-B-08	1	STATE ASSOCIATIVE MEMORY	
X			D-BS-KT11-B-09	1	AM SIGNAL FOR KT11 AM CONTROL	
X			D-BS-KT11-B-10	1	AM LOGIC R	
X			D-BS-KT11-B-11	1	STATE REGISTER	
X			D-BS-KT11-B-12	1	DRIVING LOGIC	
X			D-BS-KT11-B-13	1	REGISTERED SIGNALS / MAIN LOGIC	
X			D-BS-KT11-B-14	1	EXTENDED ASSOCIATIVE MEMORY	
X			D-BS-KT11-B-15	1	KT11-KT11 INTERFACE	
X			D-BD-KT11-B-16	1	SYSTEM CONFIGURATION	
X			D-IC-KT11-B-17	1	KT11 BUS CONNECTORS	
-			K-WI-KT11-B-18	1	WIRE LIST (PAGING OPTION)	
TITLE			PAGING OPTION		SIZE CODE A-M-L	NUMBER KT11-B
SHEET 2 OF 2			REV.			

DRA 132

DEC 16 (325)-1948-1-N471

PARTS LIST

MADE BY A. CAMPBELL	CHECKED A. RAIMONDI	SECTION
DATE 2-24-72	DATE 2-25-72	1
ENG <i>Thomson</i>	PROD <i>H. J. ...</i>	ISSUED SECT.
DATE 3-16-72	DATE 3-16-72	1

[illegible]

REV	ECONO
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WIRE TABLE

ITEM NO	AWG	COLOR	FROM		TO	
			CONNECTION	WITH	CONNECTION	WITH
6	18	RED	PI - +5V		A01A2	↑ SOLDER
	18	RED	PI - +5V		A03A2	
7	18	BLACK	PI - GND		A01C2	↓
	18	BLACK	PI - GND		A03C2	
8	22	ORN	PI - +8V		A14B1	
9	22	BRN	PI - LTC		B09R1	
10	22	YEL	PI - AC LO		B02F1	
11	22	VIO	PI - DC LO		B02F2	SOLDER

D

C

B

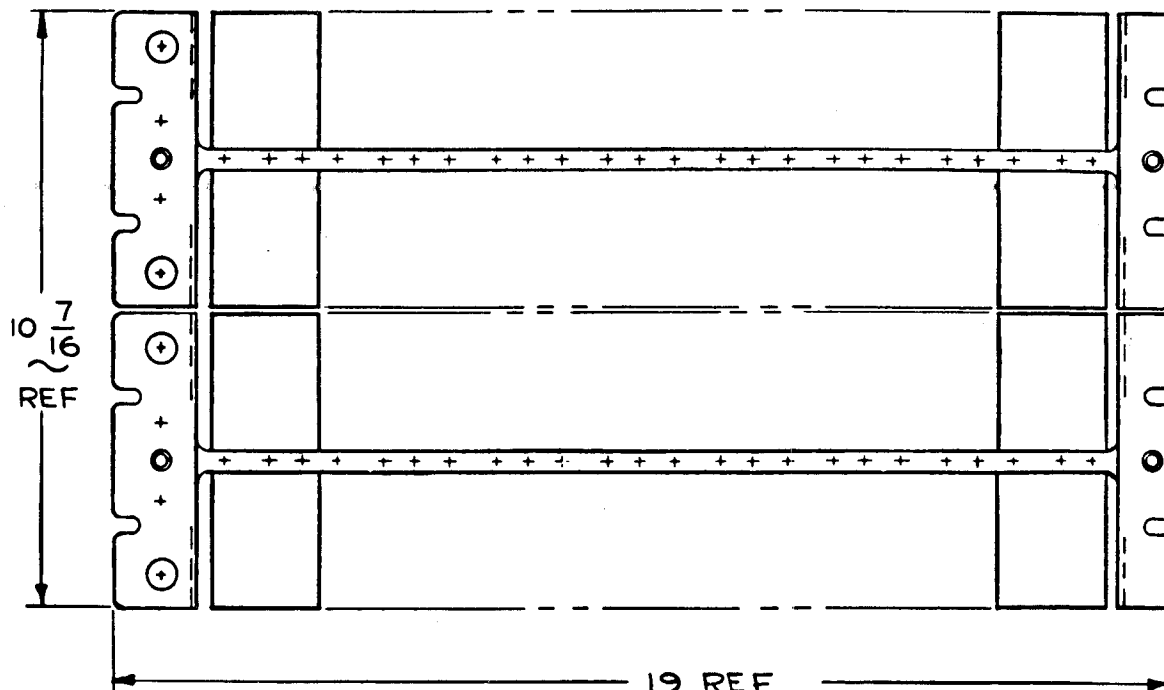
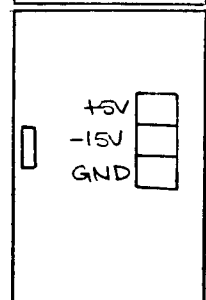
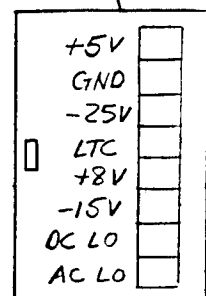
A

D

C

B

A



FIRST USED ON OPT/MOD PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	EQUIPMENT CORPORATION WAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES		CHK'D.	DATE	TITLE	
TOLERANCES		ENG.	DATE	PAGING OPTION	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	DATE	SIZE CODE NUMBER REV.	
± .005 ± 1/64 ± 0°30'		PROD.	DATE	CJUA KTII-B-0	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		NEXT HIGHER ASSY		DIST.	
MATERIAL		A-ML-KTII-B		1	
FINISH		SCALE NONE		SHEET 1 OF 1	

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						QUANTITY / VARIATION									
PARTS LIST															
MADE BY A. CAMPBELL			CHECKED P. LENNON			SECTION									
DATE 2-24-72			DATE 2-29-72												
ENG H. JAMES			PROD # 10111			ISSUED SECT.									
DATE 3-16-72															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
	M111	INVERTER	10												
	M112	NOR GATE	5												
	M116	6 - QUAD NOR GATE	10												
	M133	10-2 INPUT NAND GATES	24												
	M135	3 INPUT NAND GATE	6												
	M139	3 - 8 INPUT	1												
	M167	MAGNITUDE COMPARATOR	1												
	M203	SET RESET FLIP FLOP MODULE	1												
	M206	6 FLIP FLOPS	1												
	M207	FLIP FLOPS	1												
	M225	MEMORY	2												
	M240	6 R/S FLIP FLOPS	1												
	M244	MULTIPLEXER LATCH	6												
	M259	SHIFT + ASSOCIATIVE MEMORY	12												
	M602	PULSE GENERATOR	1												
	M611	HIGH SPEED POWER INVERTER	3												
	M627	POWER AMPLIFIER MODULE	7												
	M721	BUS INTERFACE	4												
	M783	UNIBUS DRIVERS	6												
	M784	UNIBUS RECEIVER	2												
	M787	LINE PRINTER SWITCH	1												
	M826	TIMING	1												

TITLE	MODULE UTILIZATION	ASSY NO. D-MU-KT11-B-01	SIZE A PL	CODE NUMBER KT11-B-01	REV. ECO NO
		SHEET 1 OF 2	DIST		

[illegible]

8 7 6 5 4 3 2 1

10-8-10MKTII-B-01

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8	7	6	5	4	3	2	1
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22		
23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38
39	40	41	42	43	44		

REVISIONS

REV.	CHANGE NO.	DATE
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FIRST USED ON OPTION/MODEL
KTII-B

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES

TOLERANCES

DECIMALS	FRACTIONS	ANGLES
± .005	± 1/64	± 0.30

FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DATE 1-22-72
CHSD.
DATE
ENG. 1-22-72
PROJ. ENG. 1-22-72
PROD. 1-22-72

NEXT HIGHER ASSY
AML-KTII-B-0

SCALE NONE

SHEET 2 OF 2

DIGITAL EQUIPMENT CORPORATION
MADE IN MASSACHUSETTS

MODULE UTILIZATION

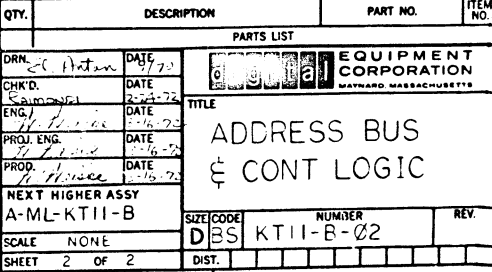
SIZE CODE NUMBER
DMUKTII-B-01

REV.

SIZE	CODE	NUMBER	REV.
D	85	KT11-B-02	

QTY.	DESCRIPTION	PART NO.	ITEM NO.	
PARTS LIST				
DRM	1/2" A-100	DATE 7/72	 COGNATE EQUIPMENT CORPORATION WATYARD, MASSACHUSETTS	
CHK'D.		DATE 7/72		
ENG		DATE 7/72		
PROJ. ENG.		DATE 7/72		
PROD.		DATE 7/72		
NEXT HIGHER ASSY				
A-ML-KTII-B				
SCALE	NONE	SIZE CODE	NUMBER	REV.
SHEET	1 OF 2	DBS KTII-B-02		
DIST.				

A

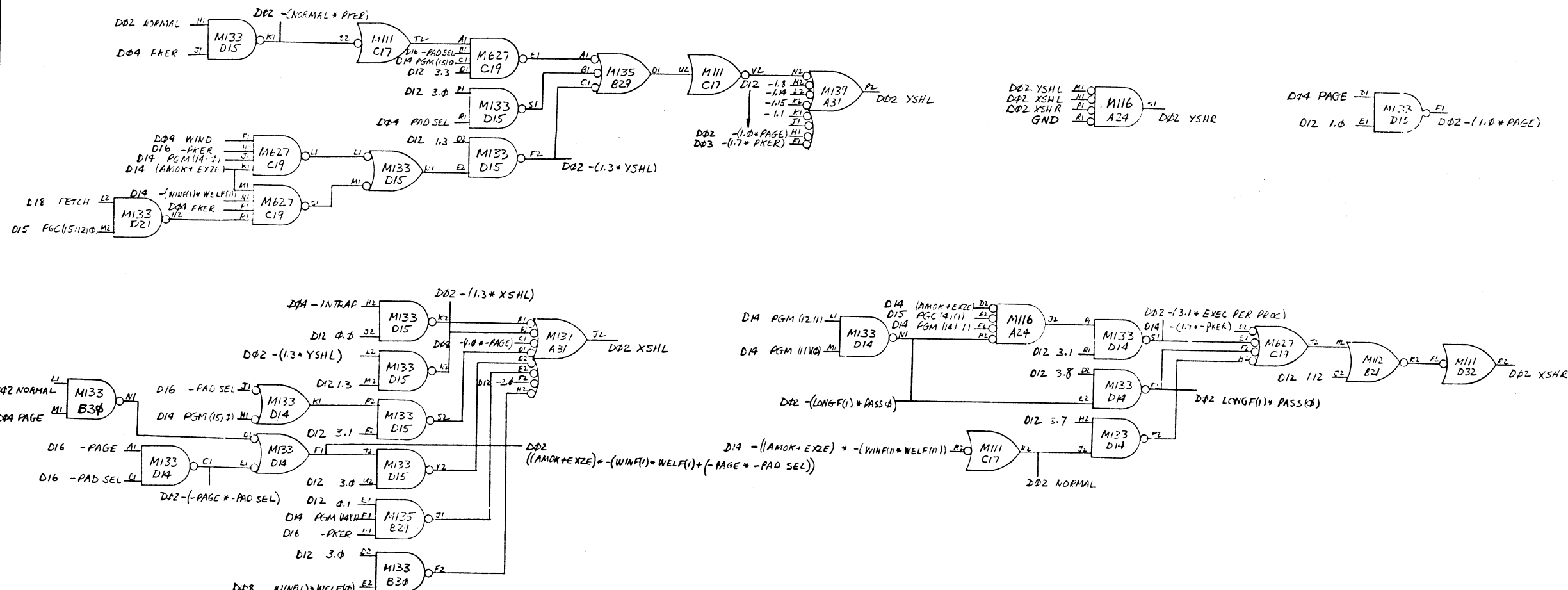


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KTII-B-03

2

1



REV.	CHANGE NO.	CHK.

FIRST USED ON OPTION / MODEL
PDP-11

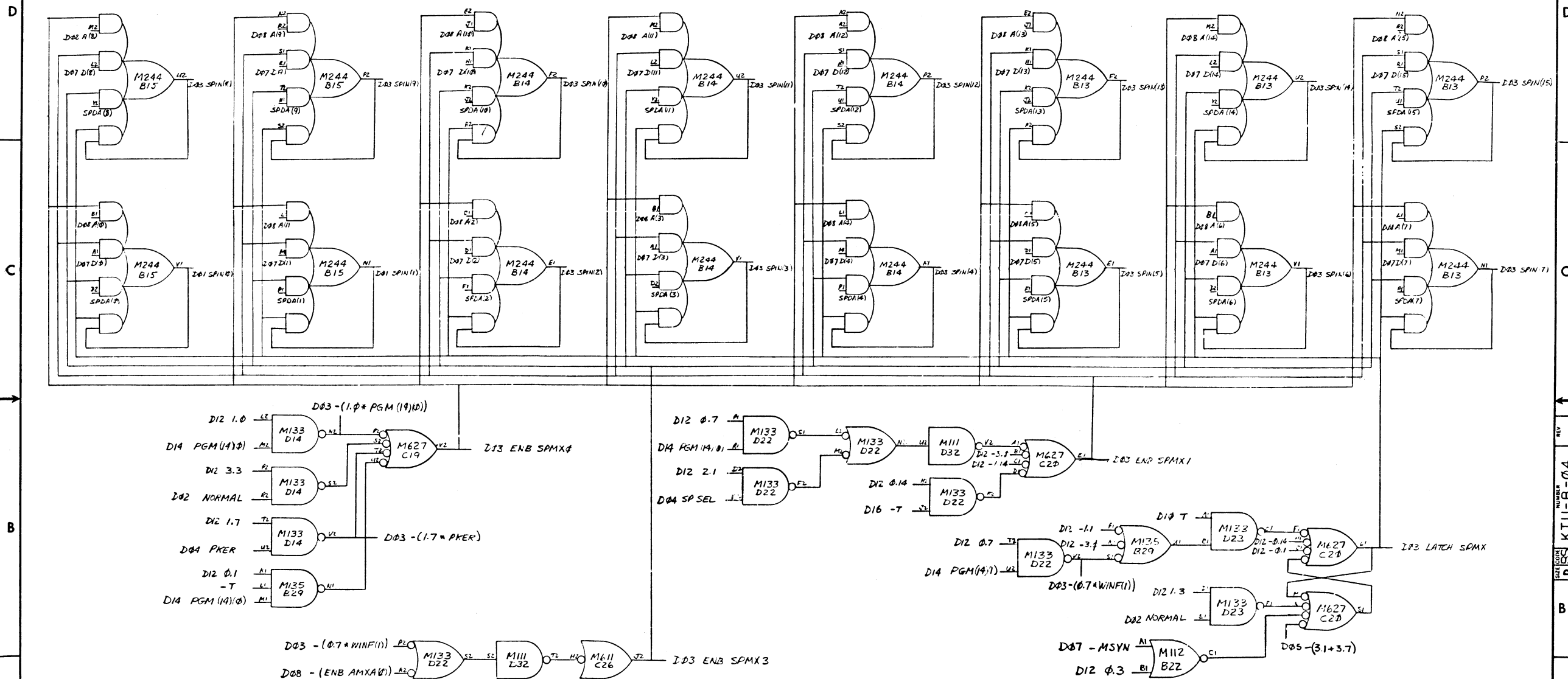
DO NOT SCALE DRAWING	UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES	TOLERANCES
DECIMALS	FRACTIONS
ANGLES	ANGLES
FINAL SURFACE QUALITY	REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL	FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>21</i> DATE <i>1/72</i>			
CHK'D. <i>Barney</i> DATE <i>2-24-72</i>			
ENG. <i>Barney</i> DATE <i>3-15-72</i>			
PROJ. ENG. <i>Barney</i> DATE <i>3-16-72</i>			
PROD. <i>Barney</i> DATE <i>3-16-72</i>			
NEXT HIGHER ASSY A-ML-KTII-B			
SCALE	NONE	SIZE CODE	NUMBER
SHEET	1 OF 1	DIST.	REV.

STATE CONTROL LOGIC

KTII-B-03

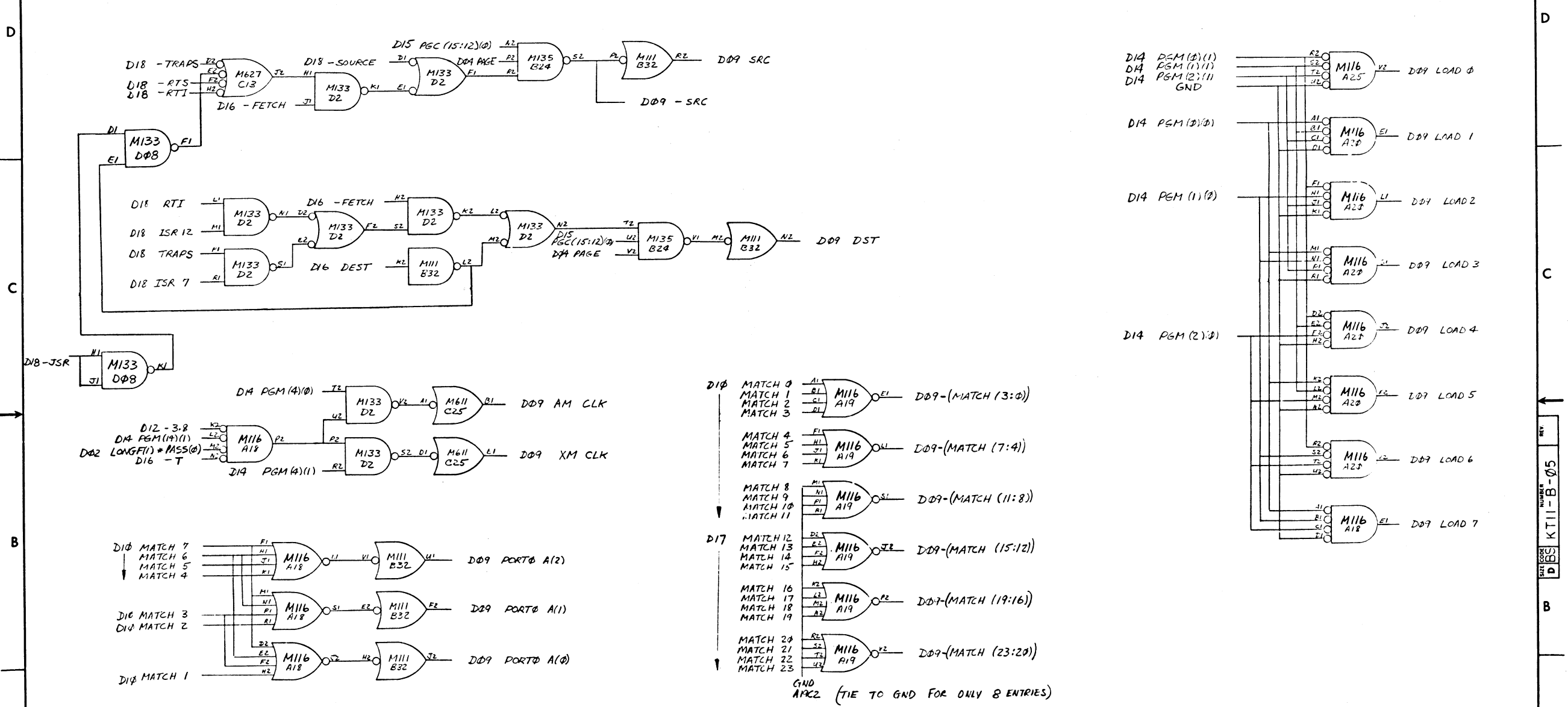
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REV.	CHANGE NO.
1	1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE SP INPUT MX			
NEXT HIGHER ASSY A-ML-KTII-B			
SCALE NONE			
SHEET 1 OF 1			

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REVISIONS		CHANGE NO.		REV.	
8	7	6	5	4	3

FIRST USED ON OPTION/MODEL		DO NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED	
PDP-11		DIMENSION IN INCHES		TOLERANCES	
		DECIMALS FRACTIONS ANGLES		± .005 ± 1/64 ± 0°30'	
		FINAL SURFACE QUALITY		REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL		FINISH			

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	AM CONT & RANDOM SIGNALS	A-ML-KTII-B	1

DRN.	DATE	CHKD.	DATE	ENG.	DATE	PROJ. ENG.	DATE	PROD.	DATE
DRN. 1	1/7/73	CHKD. 1	2-23-73	ENG. 1	1-10-73	PROJ. ENG. 1	1-10-73	PROD. 1	1-10-73

PARTS LIST		TITLE	
EQUIPMENT CORPORATION		AM CONT & RANDOM SIGNALS	

SIZE CODE	NUMBER	REV.
D8S	KTII-B-05	1

SCALE	SHEET	DIST.
NONE	2 OF 2	

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D

C

B

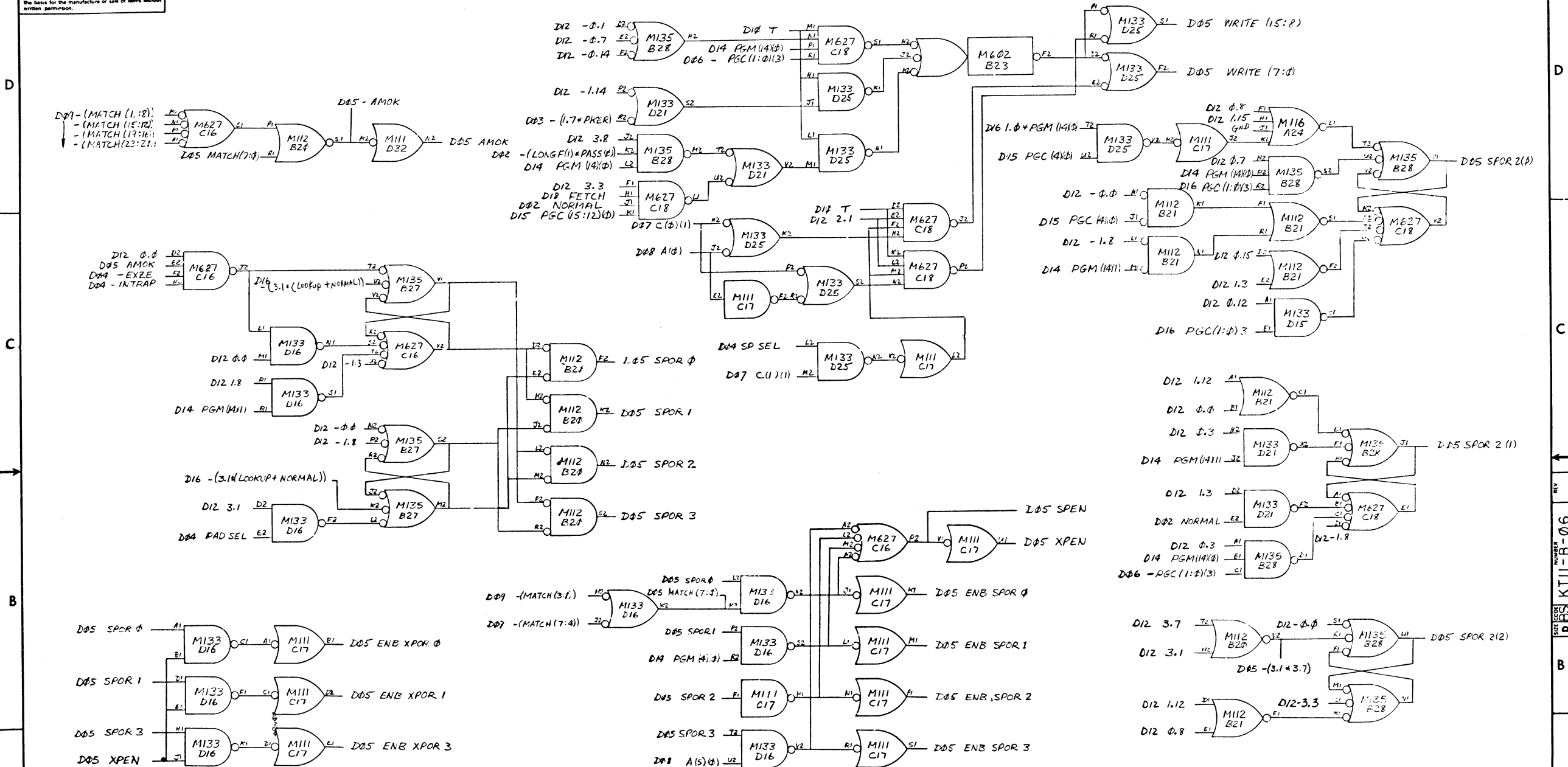
A

D

C

B

A



* NOTE: D05 ENB XPOR 2 = GND

FIRST USED ON OPTION/MODEL
PDP-11

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± .001 ± .001
FINISH SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP
CORNERS

DRN: El. Anton
CHK'D: R. J. J. J.
ENG: J. J. J. J.
PROJ. ENG: J. J. J. J.
PROD. J. J. J. J.

DATE: 9/7/72
DATE: 9/7/72
DATE: 9/7/72
DATE: 9/7/72
DATE: 9/7/72

PARTS LIST
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
SCRATCH PAD &
STATE CNTL LOGIC

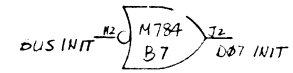
SIZE CODE NUMBER
D05 KTII-B-06

SCALE: 1:1
SHEET 1 OF 1

DIST.:

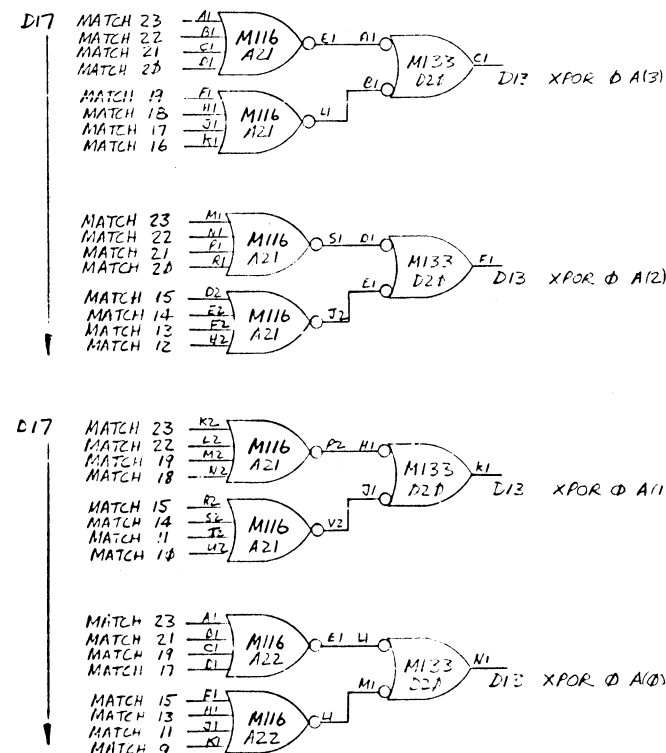
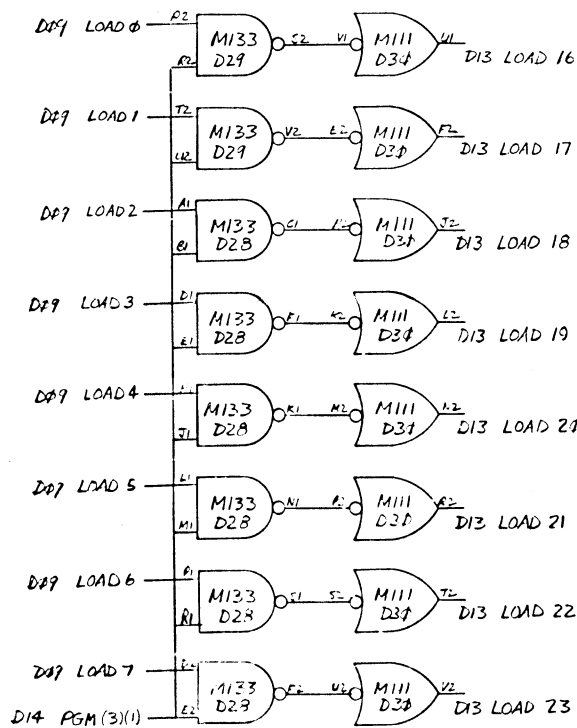
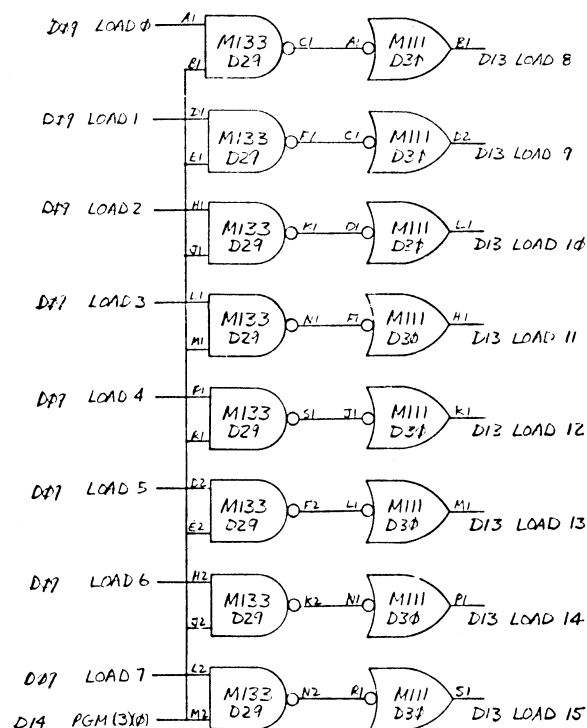
1

A



FIRST USED ON OPTION/MODEL PDP-11	DO NOT SCALE DRAWING	DRN. <i>S. Aron</i>	DATE <i>11-73</i>	PARTS LIST	
	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHK'D. <i>Aron</i>	DATE <i>11-73</i>	digital EQUIPMENT CORPORATION WATFORD, MASSACHUSETTS	
	TOLERANCES FRACTIONS ANGLES DECIMALS ± .005 ± 1.64 ± 0°30'	ENG. <i>Aron</i>	DATE <i>11-73</i>	TITLE	
	FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG. <i>Aron</i>	DATE <i>11-73</i>	DATA BUS & CONT LOGIC	
	MATERIAL <i>++ ++</i>	PROD. <i>Aron</i>	DATE <i>11-73</i>	SIZE CODE NUMBER REV.	
	FINISH <i>++ ++</i>	NEXT HIGHER ASSY A-ML-KT11-B		DES KT11-B-07	
		SCALE NONE		SHEET 2 OF 3	
				DIST.	

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REVISIONS
CHANGE NO.
CHK

C FORM NO. 100

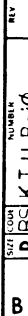
FIRST USED ON OPTION/MODEL
PDP-11

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

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE XP OPTION FOR KTII AM CONTROL			
NEXT HIGHER ASSY A-ML-KTII-B			
SCALE NONE			
SHEET OF			
SIZE CODE NUMBER D13 KTII-B-09			
DIST.			

REV. NUMBER
KTII-B-09

FORM N

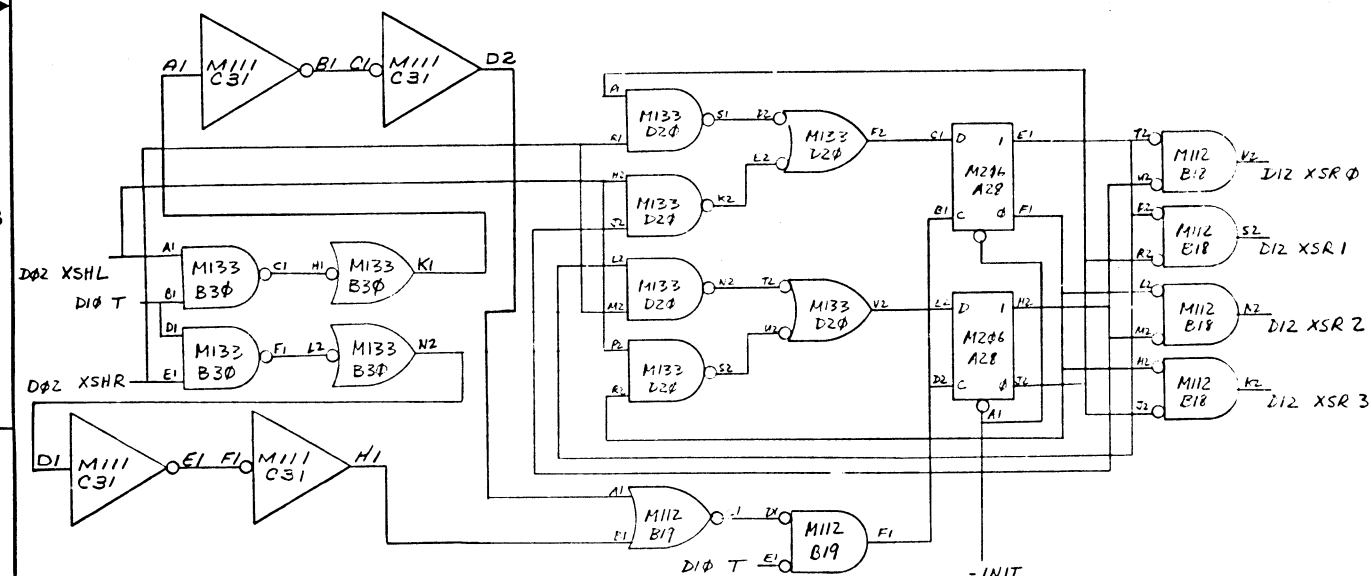
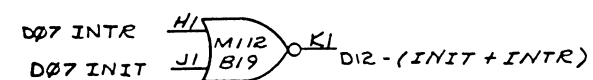
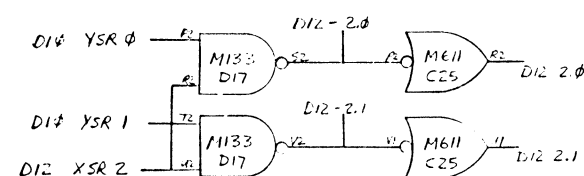
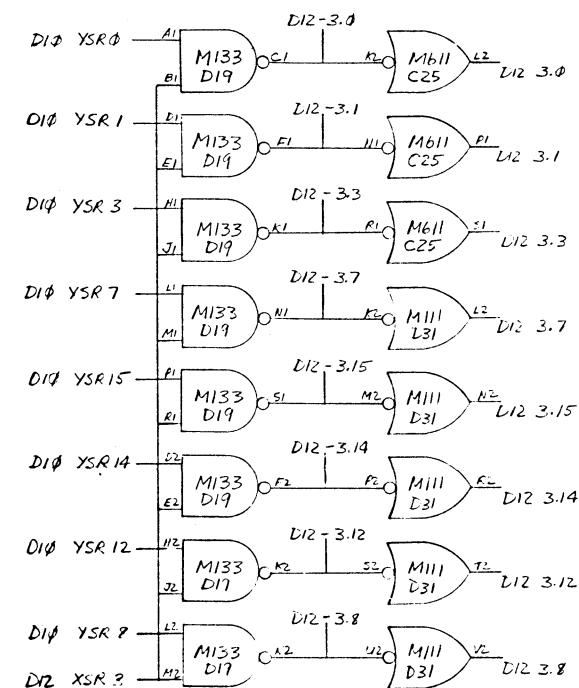
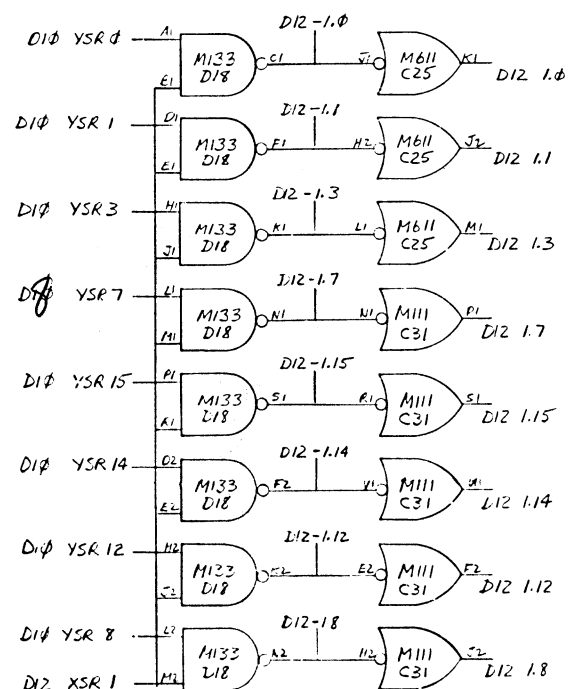


QTY.	DESCRIPTION		PART NO.		ITEM NO.
PARTS LIST					
DRN.	DATE	 DIGITAL EQUIPMENT CORPORATION WATFORD MASSACHUSETTS			
CHK'D.	DATE				
ENG.	DATE				
PROD.	DATE				
TITLE		FGM REGISTER			
NEXT HIGHER ASSY					
A-ML-KT11-B					
SCALE					
SHEET		SIZE	CODE	NUMBER	REV.
1 OF 1		D BSKT11-B-1C			
DIST.					

FGM REGISTER

E CODE	NUMBER	RE
ES	KT11-B-1C	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. 1 A-12	DATE 7-5	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSCHUSETTS	
CHK'D. 3-20-61	DATE 3-2-61	TITLE	
ENG. 1-1-61	DATE	PCC REGISTER	
PROJ. ENG.	DATE		
PROD.	DATE		
NEXT HIGHER ASSY			
A-ML- KTI1-3			
SCALE 100%	SHEET	SIZE/CODE DBS	NUMBER KT 11-B-11
OF		DIST.	



FIRST USED ON OPTION/MODEL PDP-11		DO NOT SCALE DRAWING		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 51 A-10		DATE 7-2-72		digital EQUIPMENT CORPORATION WATYARD MASSACHUSETTS TITLE TIMING LOGIC				
		CHK'D. 51 A-10		DATE 7-2-72						
		ENG. 51 A-10		DATE 7-2-72						
		PROJ. ENG. 51 A-10		DATE 7-2-72						
		PROD. 51 A-10		DATE 7-2-72						
MATERIAL		NEXT HIGHER ASSY A-ML-KTII-B		SIZE CODE		NUMBER		REV.		
FINISH		SCALE NONE		D		KTII-2-12				
		SHEET OF		DIST.						

1

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THE KTII-B BACKPANEL IS WIRED FOR 24 ASSOCIATIVE MEMORY ENTRIES.
FOR KTII-B'S WITH ONLY 8 ENTRIES DO THE FOLLOWING:

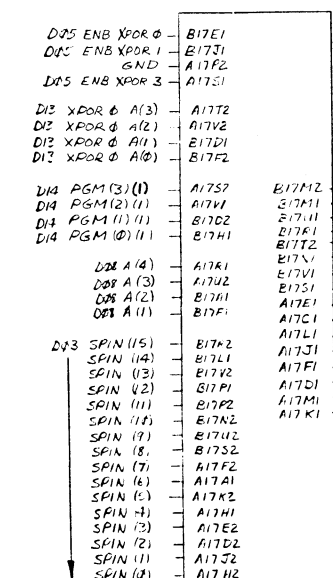
1. REMOVE WIRE FROM A29A1 → A29K2.
2. GROUND A29A1.
3. GROUND SIGNALS - MATCH 8 THRU MATCH 23.
4. REMOVE MODULES LOCATED IN SLOTS C5 THRU C12 & AB17.
5. MAKE NECESSARY PATCHES IN KT1, KT2 & KT3.

A. KT1 FOR 24 ENTRIES 7446 = 240
7450 = 240

B. KT2 FOR 8 ENTRIES 2737 = 13
FOR 24 ENTRIES 2738 = 27

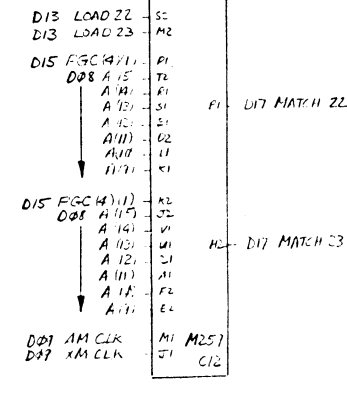
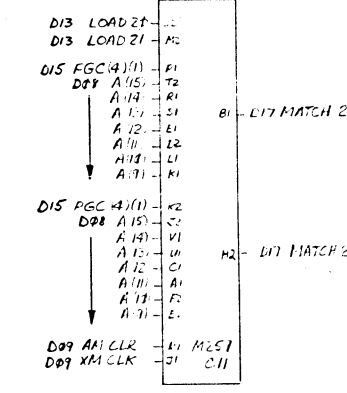
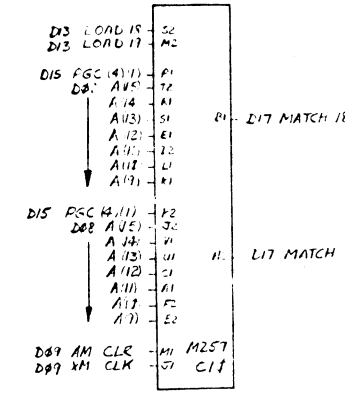
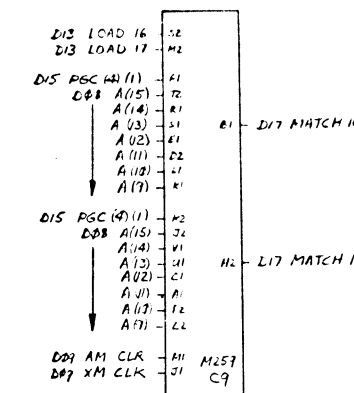
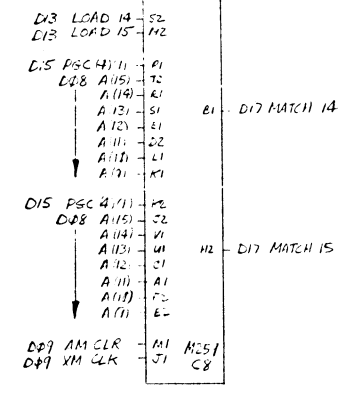
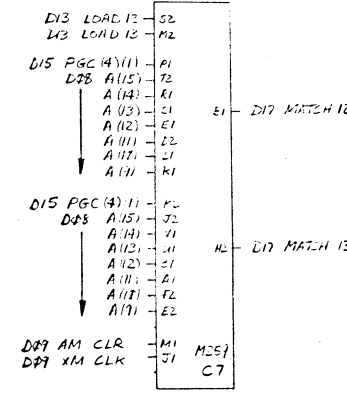
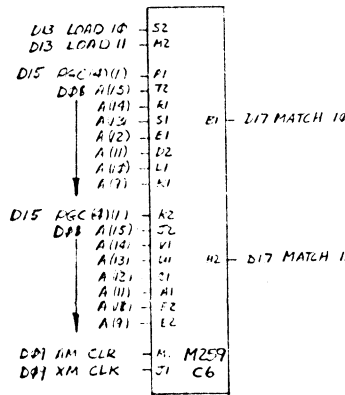
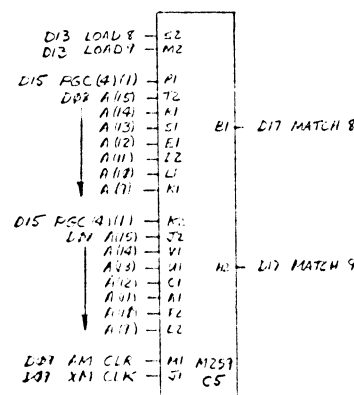
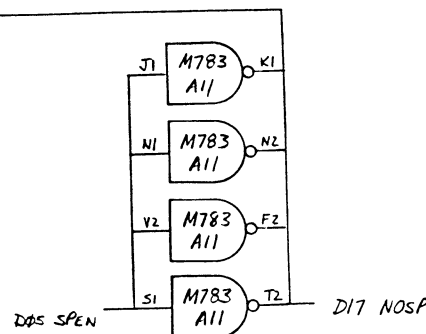
C. KT3 FOR 24 ENTRIES 2756 = 39

* NOTE
GND PINS DI AND FI
ON ALL M257



D05 WRITE (15:8) B17K1
D05 WRITE (7:0) A17M2
A17N1

REGISTER
M225
A17, B17

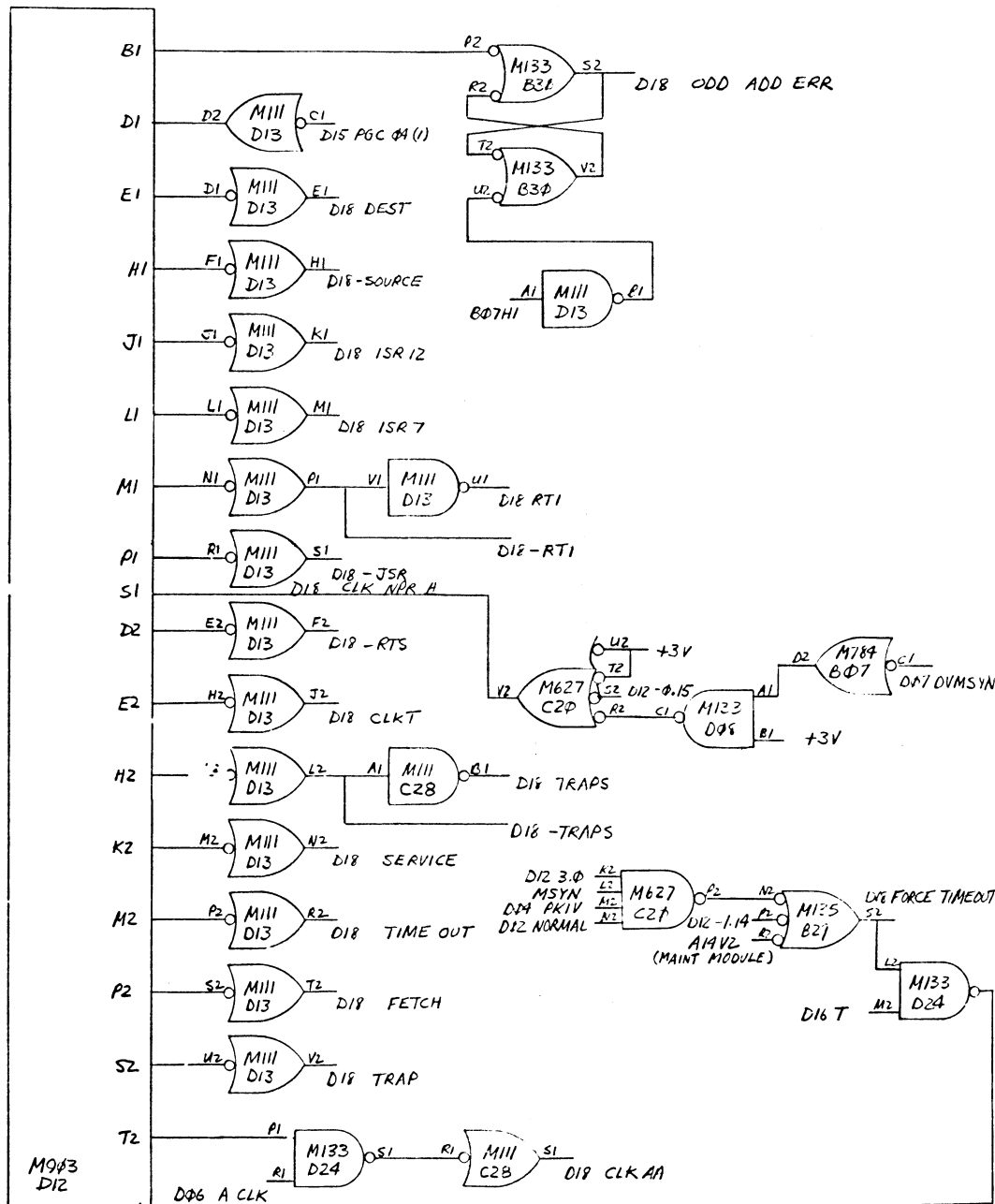


FIRST USED ON OPTION/ MODEL
PDP-11

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

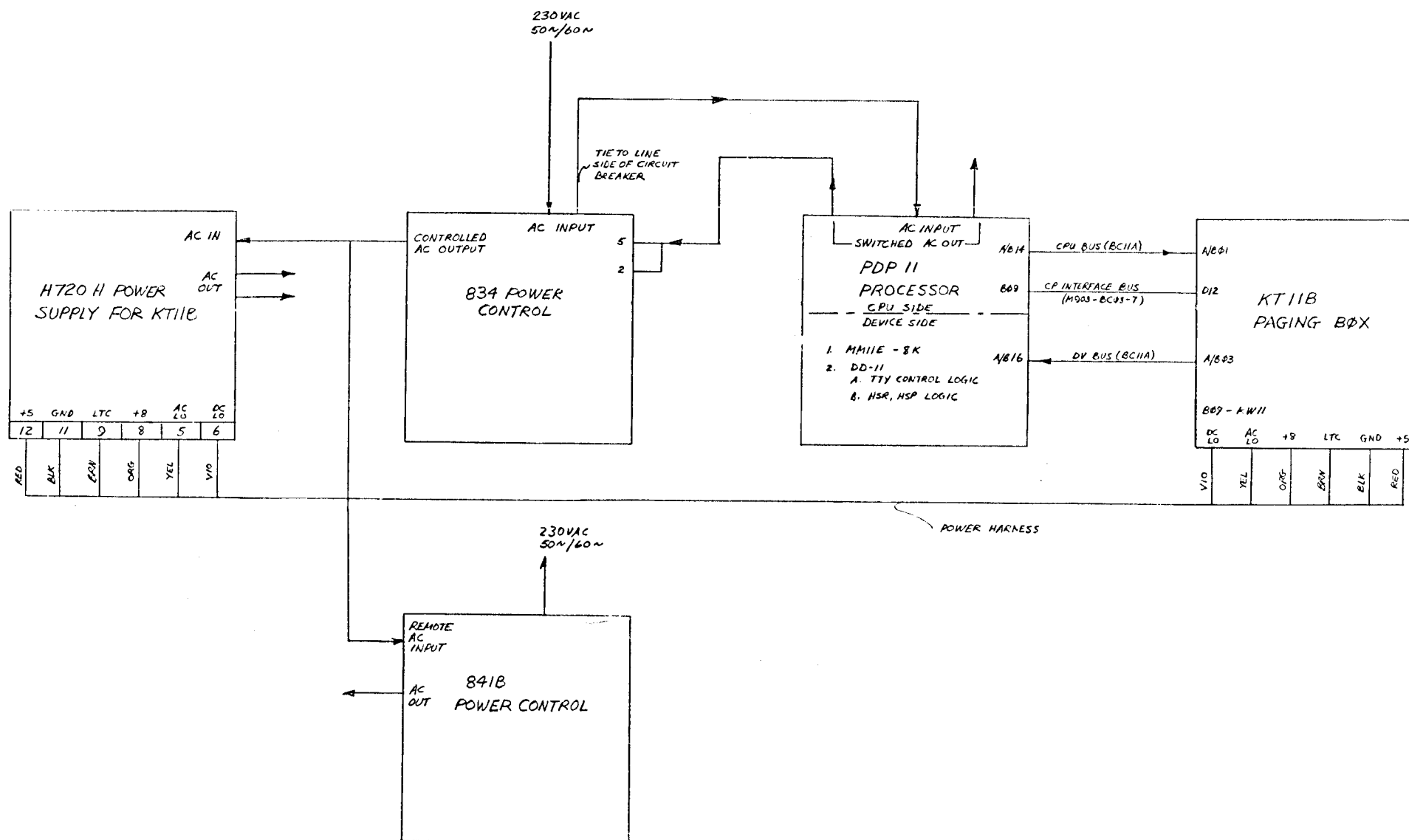
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN: 4-70	DATE: 2-2-70	DIGITAL EQUIPMENT CORPORATION NATURAL MASSACHUSETTS	
CHK'D: 2-2-70	DATE: 2-2-70	EXTENDED ASSOCIATIVE MEMORY	
ENG: 2-2-70	DATE: 2-2-70	SIZE CODE NUMBER	
PROJ. ENG: 2-2-70	DATE: 2-2-70	D.B.S. KTII-B-14	
PROD: 2-2-70	DATE: 2-2-70	SHEET 1 OF 1	
NEXT HIGHER ASSY A-ML-KTII-B		SCALE NONE	
MATERIAL		DIST. 1 OF 1	
FINISH		REV.	

REVISIONS
CHANGE NO.
CHK
DLC FORM NO. DDD 100



FIRST USED ON OPT. MOD.		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
PDP-11									
UNLESS OTHERWISE SPECIFIED		DRN.		DATE		 DIGITAL EQUIPMENT CORPORATION NORTHAM, MASSACHUSETTS			
UNLESS OTHERWISE SPECIFIED		CHK'D		DATE					
DIMENSION IN INCHES		ENG.		DATE		TITLE KA-11 → KT-11 INTERFACE			
TOLERANCES		PROJ. ENG.		DATE					
DECIMALS FRACTIONS ANGLES		PROD.		DATE					
$\pm .005$ $\pm .164$ $\pm .030$ FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		NEXT HIGHER ASSY							
MATERIAL		A-ML-KT11-B		SIZE CODE		NUMBER		REV.	
FINISH		SCALE NONE		D BS		KT11-B-15			
		SHEET		OF		DIST.			

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FIRST USED ON CPT/MCD		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
DIMENSION IN INCHES		CHK'D	DATE	DIGITAL EQUIPMENT CORPORATION	
TOLERANCES		ENG	DATE	TITLE	
DECIMALS FRACTIONS ANGLES		PROJ ENG	DATE	SYSTEM CONFIGURATION	
± .005 ± .001 ± .030		PROD	DATE	NEXT HIGHER ASSY	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		A-ML-KT11-B			
MATERIAL		SCALE NOTE			
FINISH		SHEET 1 OF 1			
		DIST.		NUMBER	REV.
				KT11-B-16	

BUN

A92	
82	
4C8	
AD2	
EE7	
D71	
G42	
FVC	VVO 21
E72	DVA 32
R12	LVA 24
A96	DVA 36
DN2	LVA 18
A+2	LVA 12
CS2	DVA 16
K72	DVA 14
DV6	DVC 81
DV2	DVC 88

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION		PART NO.	ITEM NO.
PDP-II		PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRAW.	DATE	 DIGITAL EQUIPMENT CORPORATION WAYNARD MASSACHUSETTS		
		CHK'D.	DATE			
DECIMALS	ANGLES	ENG.	DATE	TITLE		
.XXX = .005 .XX = .02 .X = .1	± 0° 30'	PROJ. ENG.	DATE			
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ☒		PROD.	DATE	KTII-B BUS CONNECTORS		
MATERIAL		NEXT HIGHER ASSY.				
FINISH		A-ML-KTII-B		SIZE CODE	NUMBER	REV.
		SCALE NONE		DIC	KTII-B-17	
		SHEET	OF	DIST		