

MASTER DRAWING LIST

[illegible]

DRA 131

Dec 16--(325)--1048--N471

[illegible]

DRA 132

DEC 16 (325)-1048-1-N471

PARTS LIST

DATE 3/4/70

DATE 5/5/70

1

DESCRIPTION

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1

ECO NO.	
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	DIST.
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W130 PARTS REFERENCE

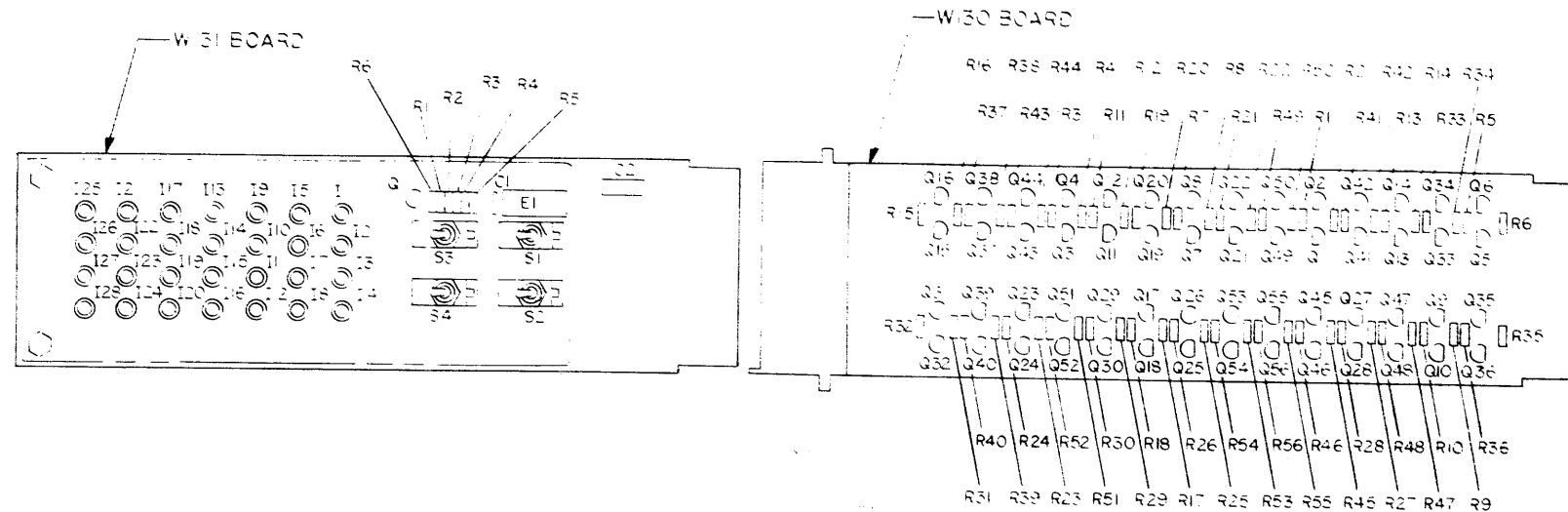
ITEM NO.	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	R1,R3,R5,R7,R9,R11,R13,R15,R17,R19,R21,R23,R25,R27,R29,R31,R33,R35,R37,R39,R41,R43,R45,R47,R49,R51,R53,R55	15K 1/4W 5%	RES. 1300486	28
2	R2,R4,R6,R8,R10,R12,R14,R16,R18,R20,R22,R24,R26,R28,R30,R32,R34,R36,R38,R40,R42,R44,R46,R48,R50,R52,R54,R56	470 1/4W 5%	RES. 1300516	28
3	Q1-Q56	DEC 3009B TRANSISTOR	523102	56
4	PI	H8C7 BLOCK CONNECTOR	209123	

W131 PARTS REFERENCE

ITEM NO.	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	E1	DEC 400N	1300555	1
2	C1	.01 MFD 50V 20% DC CAP	1301612	1
3	C2	.05 MFD 35V 20% ST CAP	1300067	1
4	R1,R2,R3,R4,R5	3K 1/4W 5%	RES. 1300432	5
5	R6	330 1/4W 5%	RES. 1300295	1
6	Q1	DEC 3009B TRANSISTOR	523102	1
7	I1-I28	LAMP HUDSON, BLUE *2309G	1209219	28
8	S1-S4	SWITCH, TOGGLE, SPST, 6ATHT2	1201168	4

- NOTES:
1. THE KM11 IS A TWO MODULE (W130, W131) OPTION TO THE K111 TO AID MAINTENANCE. THIS PREWIRED OPTION IS INSTALLED BY INSERTING THE W130 MODULE INTO LOCATION S02 AND INSERTING THE W131 MODULE INTO THE W130. NOTE THAT THE SWITCHES AND LIGHTS FACE TOWARD AND EXTEND BELOW THE CONSOLE. THE BOTTOM COVER MUST BE REMOVED WITH THE CHASSIS EXTERNAL TO THE CABINET.
 2. LABELS FOR THE INTERNAL MACHINE STATES LAMPS ARE NOTED ON THE W131 ETCH BOARD. SWITCHES PROVIDE A MANUAL CLOCK AND BUS RESPONSE AND ARE ACTIVE WHEN THE TOGGLE IS TOWARD THE NAME. NORMAL MACHINE OPERATION REQUIRES THAT ALL SWITCHES BE IN THE OFF POSITION.
 3. "M CLK ENABLE" AND "M CLK" PROVIDE A MANUAL CLOCK FOR THE K111. "M CLK ENABLE" IS ACTIVATED WHILE THE PROCESSOR IS HALTED. EACH TOGGLE OF "M CLK" THEN STEPS THE PROCESSOR THROUGH THE SMALLEST PROCESSOR CLOCK INTERVALS, THE R W STATES, THE NEXT HIGHEST CLOCK INTERVAL (S CLK) IS PROVIDED BY FOUR TOGGLES (2 COMPLETE SWITCH CYCLES) AND INDICATED BY THE R W2 LAMP. R W2 IS THE LAST (OR REST) R W STATE IN A "S CLK" INTERVAL, NORMAL OPERATION IS RESUMED WHEN "M CLK" AND THEN "M CLK ENABLE" ARE RETURNED TO OFF.
 4. "NO TIME OUT" AND "SSYN" PROVIDE A MANUAL BUS RESPONSE TO THE PROCESSOR. IT IS USED WHEN OTHER DEVICES ARE NOT AVAILABLE. "NO TIME OUT" IS ACTIVATED WHILE THE PROCESSOR IS HALTED, TO ELIMINATE AN ERROR TRAP ON MANUAL "SSYN" AT THE APPROPRIATE TIMES IN A BUS TRANSFER "SSYN" IS ACTIVATED AND DEACTIVATED.

COMPONENT PLACEMENT

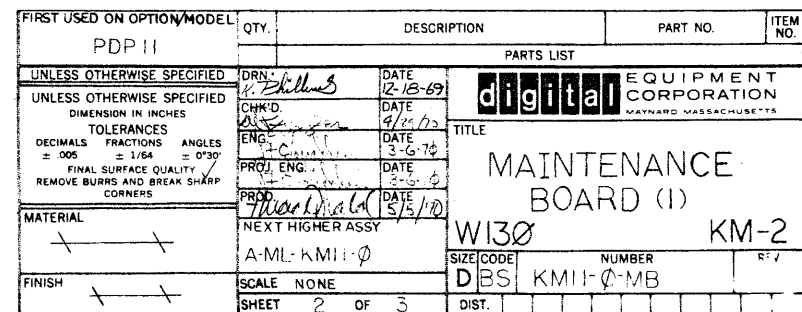


UN NOME NOT ATTUE
MODULE PROCESSOR

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE MAINTENANCE BOARD (130)			
SIZE CODE NUMBER REV. DBS KM11-0-M6			
SCALE 1/1			
SHEET 1 OF 3			

FIRST USED ON OPTION / MODEL PDP11	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN CHK'D ENG. PROJ. ENG. PROD. NEXT HIGHER ASSY A-ML-KM11-0	DATE DATE DATE DATE DATE DATE DATE
MATERIAL FINISH			

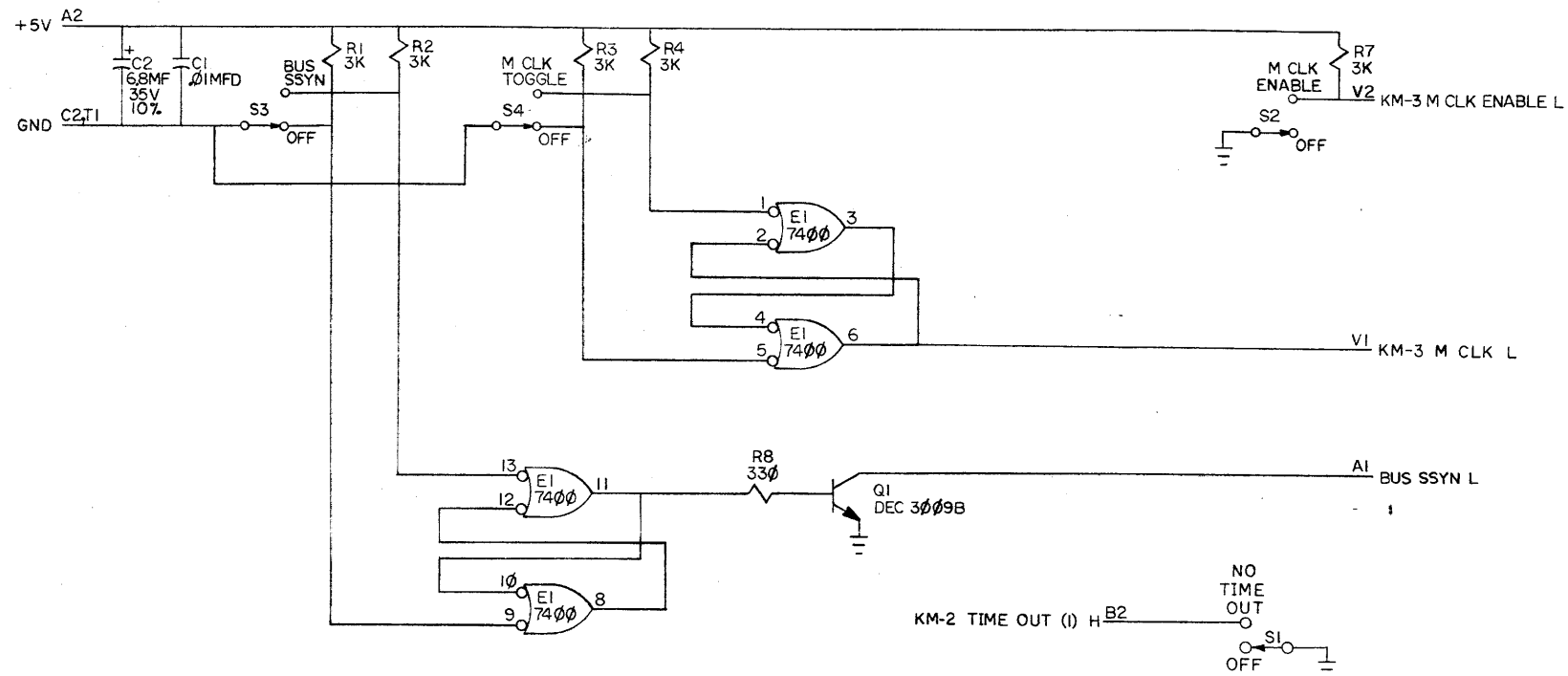
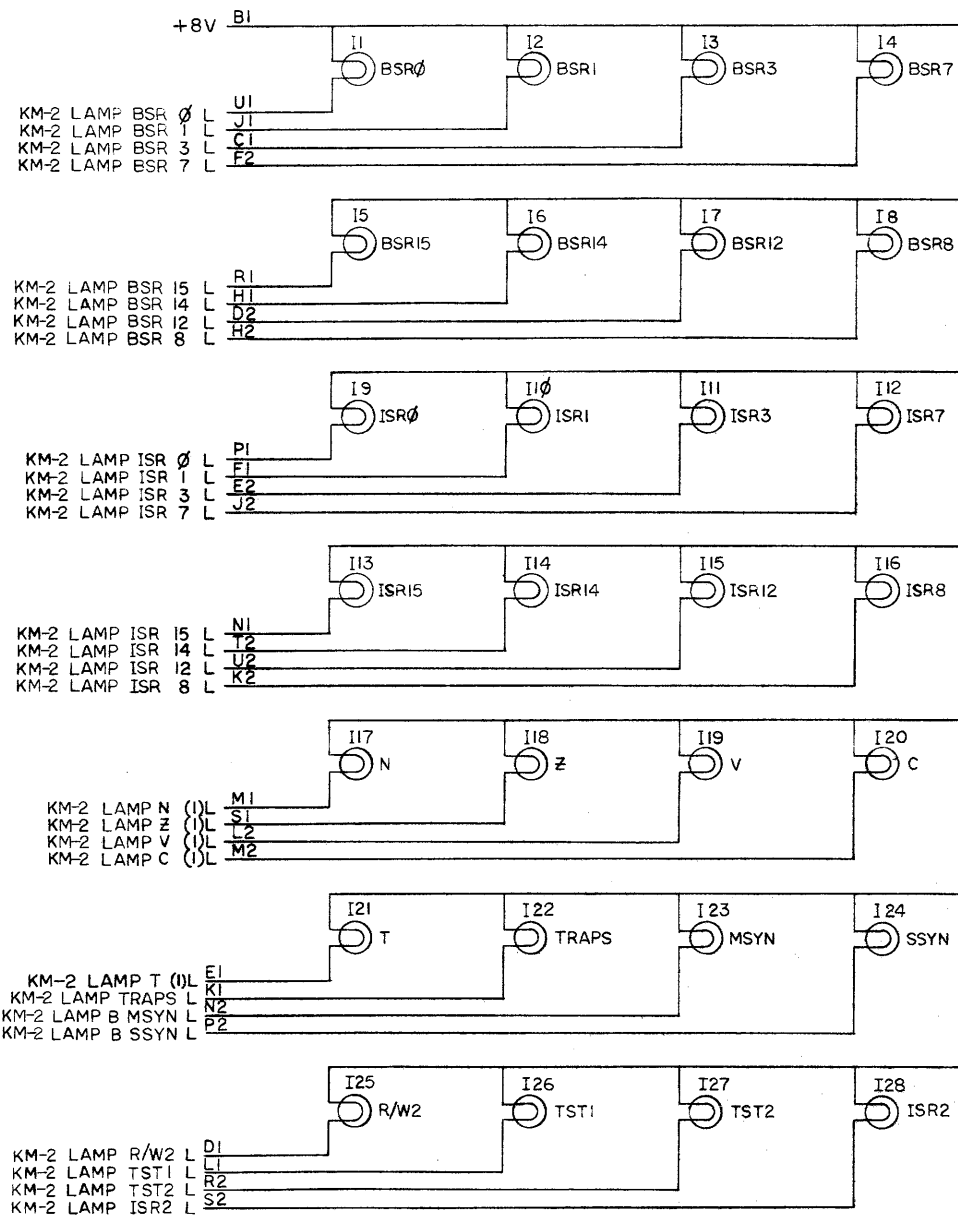
REVISIONS		REV.
CHK	CHANGE NO.	



KM-2 LAMP R/W Z L
KM-2 LAMP TST1 L
KM-2 LAMP TST2 L
KM-2 LAMP ISR 2 L

SIZE CODE	NUMBER	REV.
B	1	1

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FIRST USED ON OPTION/MODEL PDP 11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN J. Budis	DATE 12/17/69	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHKD. J. Budis	DATE 4/25/70	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	ENG. J. Budis	DATE 3-6-70	TITLE MAINTENANCE BOARD(2)	
UNLESS OTHERWISE SPECIFIED	PROJ. ENG. J. Budis	DATE 3-6-70	W131 KM-3	
UNLESS OTHERWISE SPECIFIED	PROD. J. Budis	DATE 5/5/70	A-M-L-KM11-0	
MATERIAL	NEXT HIGHER ASSEMBLY			
FINISH	SCALE NONE			
SHEET 3 OF 3		SIZE CODE DBS		NUMBER KM11-0-MB
REV.		REV.		REV.

REVISIONS
CHANGE NO.
CHK

DEC FORM 102A