

FIELD MAINTENANCE PRINT SET

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PWR FAIL/LINE TIME CLK GENERATOR

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PWR FAIL/LINE TIME CLK GENERATOR

PWR	FAIL/LINE	TIME	CLK	GENERATOR
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PWR FAIL/LINE TIME CLK GENERATOR

PWR FAIL/LINE TIME CLK GENERATOR

KPV11 SHIPPING LIST

KPV11 SHIPPING LIST

KPV11-A
KPV11-B
KPV11-C

KPVI I-Ø
Field Maintenance
Print Set

Digital Equipment Corporation

REVISIONS	REV.		USED ON OPTION/MODEL		DRN. RW Counter	DATE 15 MAR 77	digita TITLE: PWR FAIL/LINE TIME CLK GENERATOR										
	CIG. NO.			LS111		CHK'D M. H. H.											DATE 16 MAR 77
	DATE					PROJ. ENG. Robert Fitch	DATE 25 APR 77	SIZE B	CODE TC	NUMBER KPV11-0-1				REV.			
									FIELD SERV. F. C. E. Choromh	DATE 27 APR 77	DIST.						
			SHEET 1 OF 1														

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PARTS LIST

SECTION

1

ISSUED SECT.	
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REWORK INSTRUCTION
ETCH CUT SIDE 1
O-1 TO RIGHT SIDE OF R42

WIRE ADD SIDE 1 AS SHOWN
O-2 FROM R42 TO C23

SEE NOTE 1

SEE NOTE 1

SPARE

NOTES: FILL "X" HOLES DESIGNATED ON
DRAWING WITH SOLDER MASKING
COMPOUND BEFORE WAVE SOLDER.
2, E3, E12, E17 ARE OPTIONAL.

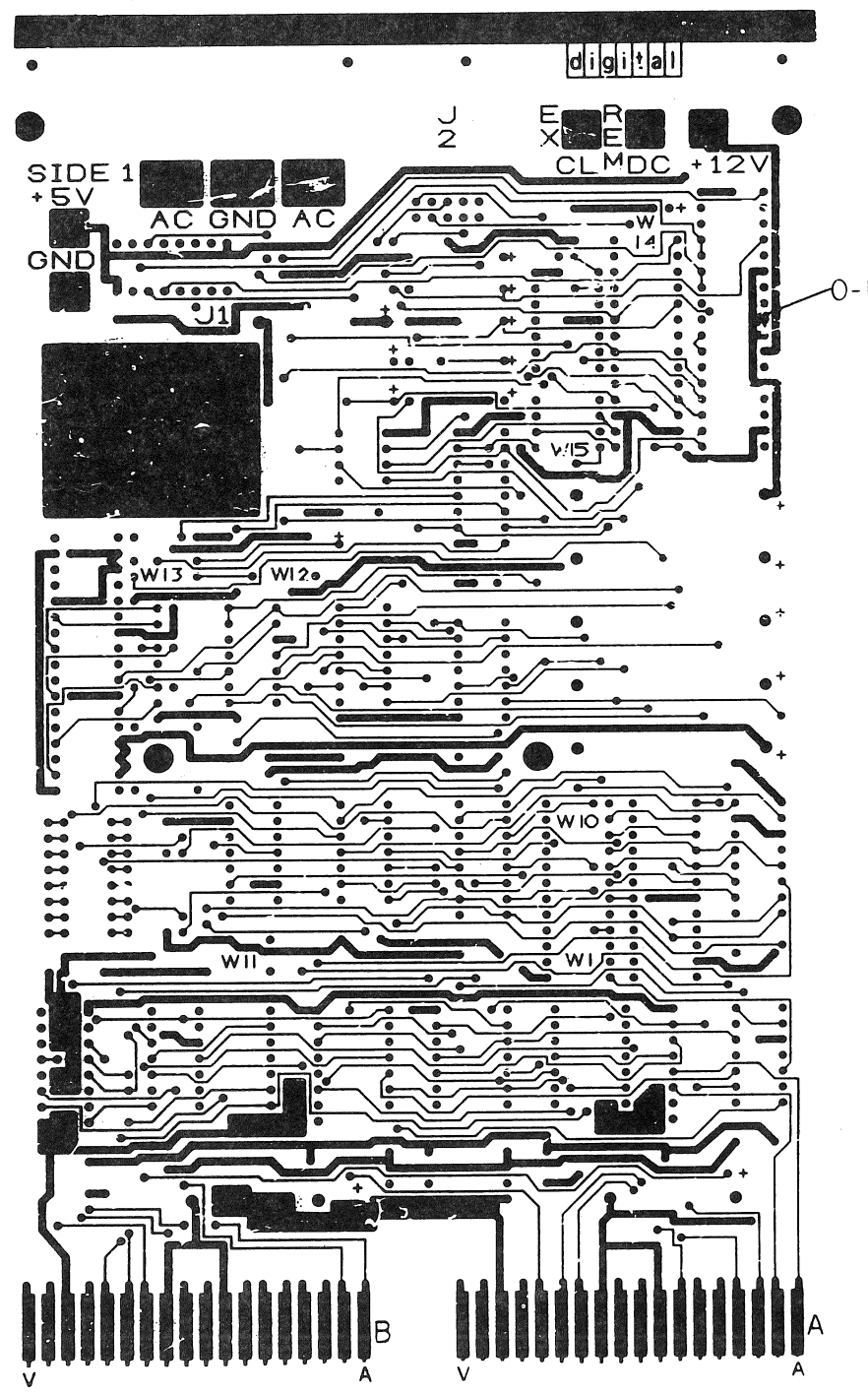
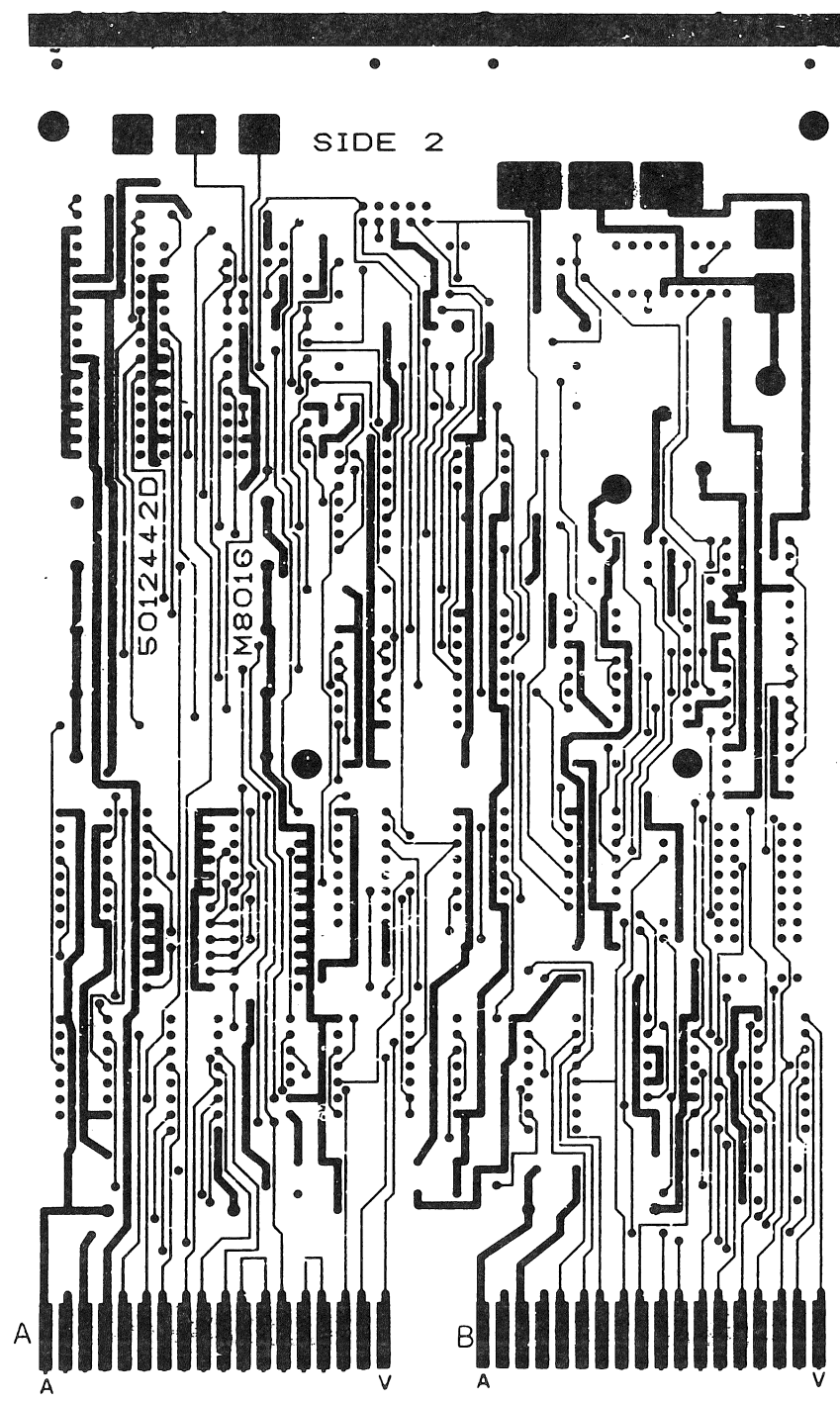
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ET: REV.	D
P.C. DESIGN DATA BASE REV.	D

SIGNATURES	DATE	digital
DRN.	1/1/77	
CHK'D	1/1/77	
ENG.	1/1/77	
PROJ. ENG.	1/1/77	
PROD.	1/1/77	
SCALE	2/1/77	
SHT.	1 OF 2	
NEXT HIGHER ASSY.	B-DD-M8016-0	
TITLE	POWER F.M.	
TIME	CLOCK GEN.	
SIZE	CODE	NUMBER
D	UA	M8016-0
REV	E	

Mk 1 MS#104253

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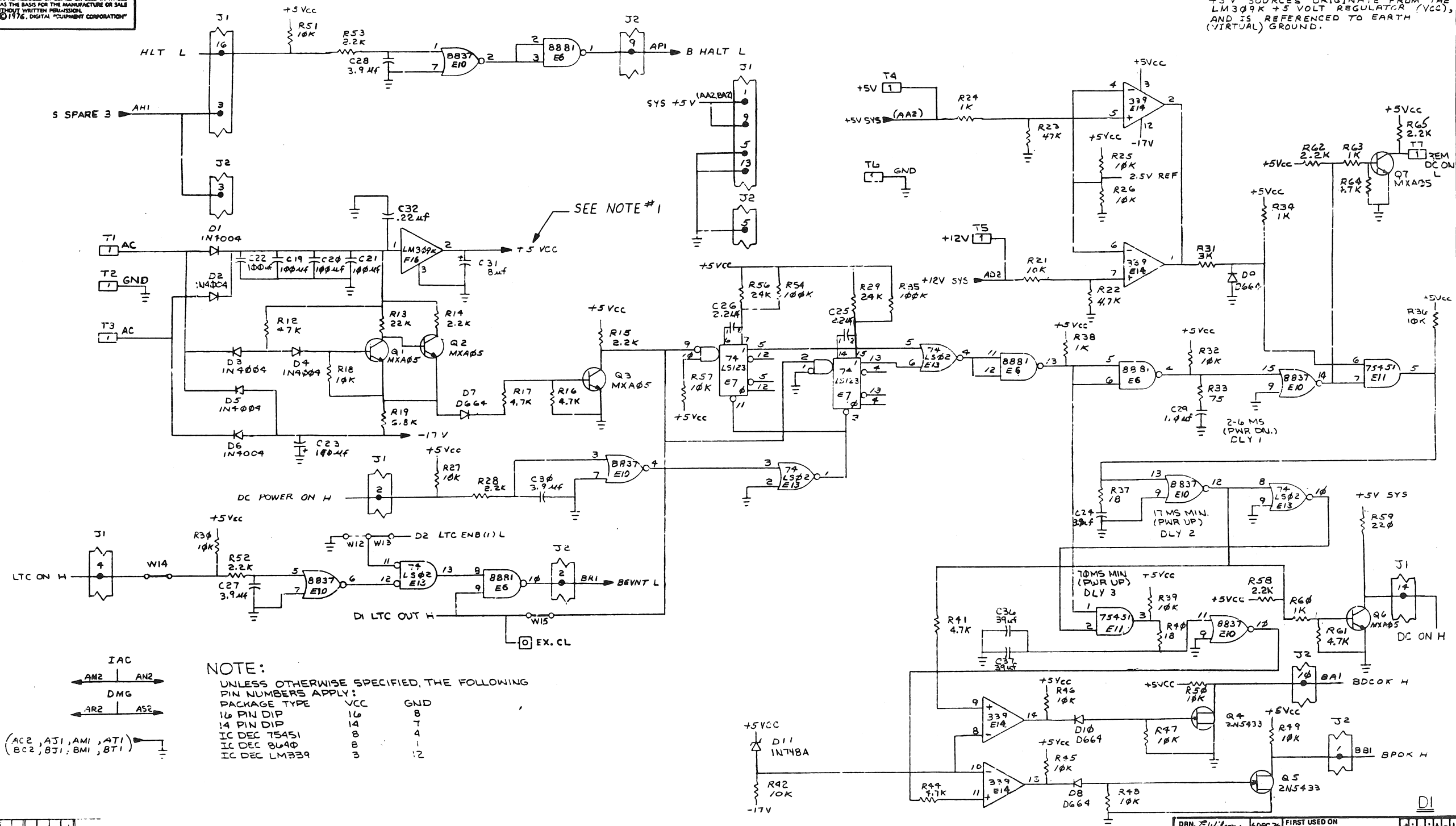
REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER	REV.
POWER FAIL TIME		D	UA	M8016 - 0 - 0	E
CLOCK GEN		DIST			
SCALE 2/1		SHEET 2 OF 2		1/2K 1	

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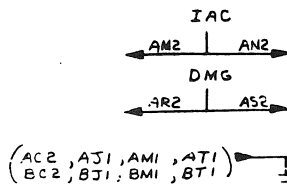
NOTE:

1. UNLESS NOTED OTHERWISE, ALL +5V SOURCES ORIGINATE FROM THE LM309K +5 VOLT REGULATOR (VCC), AND IS REFERENCED TO EARTH (VIRTUAL) GROUND.



NOTE:

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING PIN NUMBERS APPLY:
PACKAGE TYPE VCC GND
16 PIN DIP 16 8
14 PIN DIP 14 7
IC DEC 75451 8 4
IC DEC 8640 8 1
IC DEC LM339 3 12

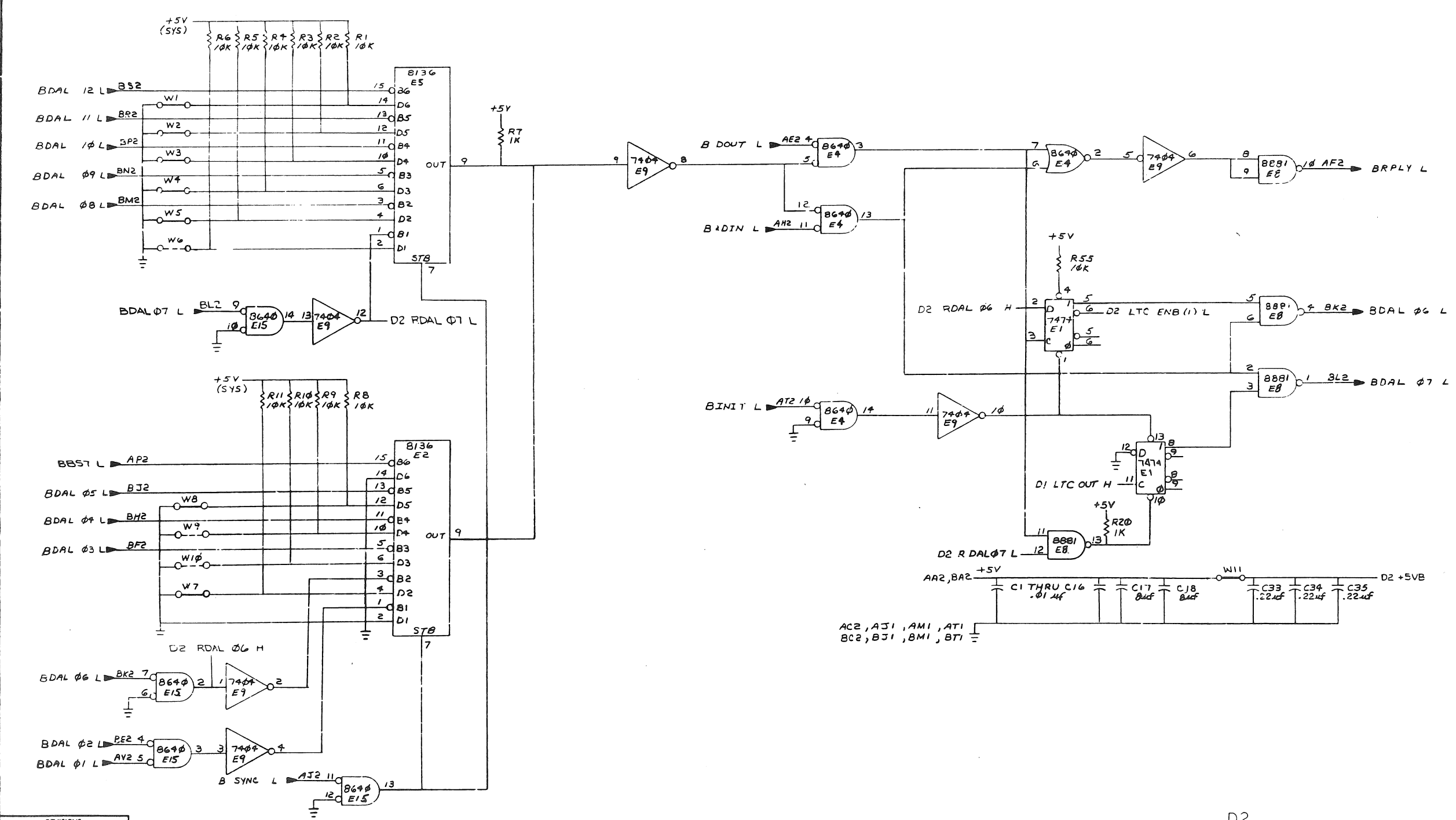


DRN. <i>E. Wilson</i>	6 DEC 76	FIRST USED ON	<i>digital</i>
CHK'D <i>R. Wilson</i>	14 APR 77	TITLE	PWR FAIL/LINE TIME CLK GENERATOR
ENG. <i>E. Wilson</i>	14 APR 77	SCALE	NONE
PROJ. ENG. <i>R. Wilson</i>	14 APR 77	SIZE	B-DD-M8016-0
PROD. <i>E. Wilson</i>	14 APR 77	NUMBER	D CSM8016-0-1
NEXT HIGHER ASSY.		DIST.	1 OF 3
REV.			E

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NOTE:
1. +5V SOURCE FOR LOGIC ON THIS PAGE IS FROM SYSTEM POWER SUPPLY. (AA2, BA2)

1-0-9100WSD 2

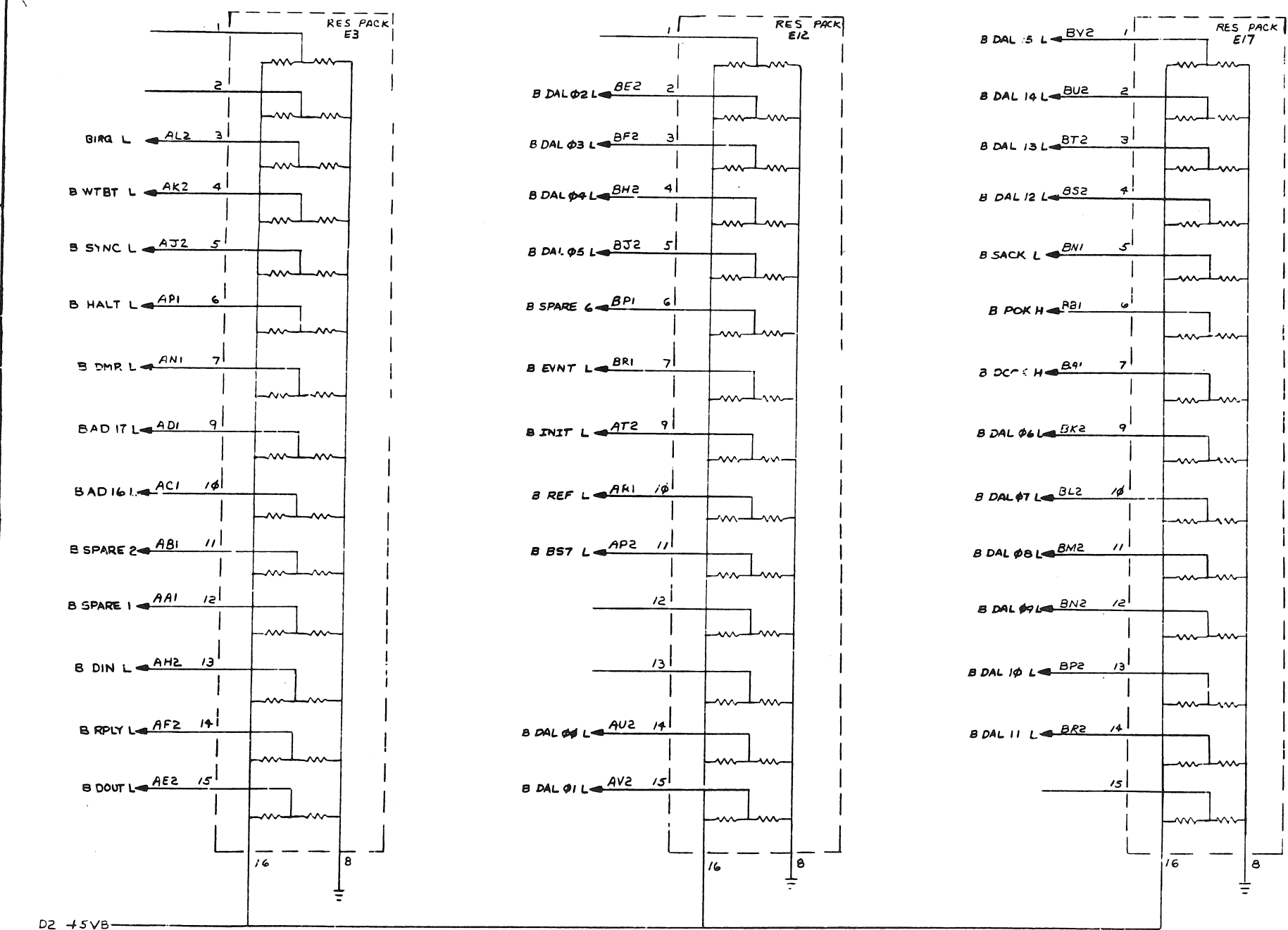


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE PWR FAIL/LINE TIME CLK GENERATOR		SIZE CODE	NUMBER	REV.
SCALE		SHEET 2 OF 3	D CSM8016-0-1	E
DIST.		1 MK		

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NOTE:
1. CIRCUIT SHOWN WITH OPTIONAL TERMINATION RESISTOR PACKS USED ON MB016-YB (120 NOM) AND MB016-YC (250 NOM).
2. W11 IS FOR VOLTAGE MARGINING
3. +5V SOURCE ON THIS PAGE IS SYSTEM POWER (AA2, BA2).



JUMPER USAGE CHART		
JUMPER	INSTALLED	REMOVED
W1	* YES	NO
W2	* YES	NO
W3	* YES	NO
W4	* YES	NO
W5	* YES	NO
W6	NO	* YES
W7	* YES	NO
W8	* YES	NO
W9	NO	* YES
W10	NO	* YES
W11	* VOLTAGE MARGINING	EXTERNAL 5V SOURCE MAY BE USED
W12	ENABLE MANUAL CONTROL OR CONTINUOUS LTC INTERRUPT REQUEST OPERATION. DO NOT INSTALL WHEN W13 IS INSTALLED.	* DISABLE CONTINUOUS OR MANUAL OPERATION.
W13	* LTC INTERRUPT REQUESTS CAN BE ENABLED AND DISABLED BY PROGRAM. DO NOT INSTALL WHEN W12 IS INSTALLED.	LTC INTERRUPT REQUESTS CANNOT BE PROGRAM CONTROLLED.
W14	* CONSOLE (OPTIONAL) LTC ON/OFF SWITCH ENABLED.	CONSOLE LTC ON/OFF SWITCH DISABLED.
W15	* LTC SIGNAL OCCURS AT THE POWER LINE FREQUENCY.	LTC FREQUENCY IS DETERMINED BY AN EXTERNAL SOURCE VIA EXT TIME REF ETCHED PAD ON MODULE.

*FACTORY-JUMPED CONFIGURATION

REVISIONS		
CHK	CHANGE NO.	REV.

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY *RW Caunter*
DATE *15 Mar 77*
ENG *Robert H. Fitch*
DATE *25 APR 77*

CHECKED	<i>[Signature]</i>
DATE	3/15/77
PROD	<i>[Signature]</i>
DATE	3/15/77

SECTION	1
ISSUED SECT.	1

QUANTITY VARIATION

[illegible]

