

TITLE	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY (FPP12_A)	B	DD	FPP12_A	E

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				ELECTRICAL						
FPP12_A			DEPOT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	FPP12_A			DEPOT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X				1	D_FD_FPP12_A_02	B	12	FLOW DIAGRAM (FPP12_A)		X					D_BS_FPP12_A_MQR1	*	2	MULTIPLIER QUOTIENT REGISTER 1	
X					D_BS_FPP12_A_ADEN	*	1	ADDER ENABLES (EXTENDED MODE)		X					D_BS_FPP12_A_MXEN	*	1	MULTIPLEXER ENABLES (EXTENDED MODE)	
X					D_BS_FPP12_A_ALS1	*	1	ADDER_LSW1		X					D_BS_FPP12_A_RG1	*	1	REGISTER GATING 1	
X					D_BS_FPP12_A_ACS2	*	1	ADDER_LSW2		X					D_BS_FPP12_A_RG2	*	1	REGISTER GATING 2	
X					D_BS_FPP12_A_ALS3	*	1	ADDER_LSW3		X					D_BS_FPP12_A_RG3	*	1	REGISTER GATING 3	
X					D_BS_FPP12_A_ALSW	*	1	ADDER_LSW		X					D_BS_FPP12_A_RG4	*	1	REGISTER GATING 4	
X					D_BS_FPP12_A_AMLA	*	1	ADDER MULT AND LOOK AHEAD LOGIC		X					D_BS_FPP12_A_RG5	*	1	REGISTER GATING 5	
X					D_BS_FPP12_A_AMSW	*	1	ADDER_MSW		X					D_BS_FPP12_A_RG6	*	1	REGISTER GATING 6 (ENABLES FORM190)	
X					D_BS_FPP12_A_ARS1	*	1	EXIT		X					D_BS_FPP12_A_RG7	*	1	MULTIPLEXER ENABLES 1	
X					D_BS_FPP12_A_ARS2	*	1	INITIATE		X					D_BS_FPP12_A_RG8	*	1	MULTIPLEXER ENABLES 2	
X					D_BS_FPP12_A_AST0	*	1	ARITHMETIC STATE ZERO		X					D_BS_FPP12_A_RG9	*	1	MULTIPLEXER ENABLES 3	
X					D_BS_FPP12_A_AST1	*	1	ARITHMETIC STATE ONE		X					D_BS_FPP12_A_RG10	*	1	MULTIPLEXER ENABLES 4	
X					D_BS_FPP12_A_AST2	*	1	ARITHMETIC STATE TWO		X					D_BS_FPP12_A_SGB	*	2	SPECIAL GATING AND BUFFERING	
X					D_BS_FPP12_A_AST3	*	1	ARITHMETIC STATE THREE		X					D_BS_FPP12_A_SPI1	A	1	SPECIAL INSTRUCTIONS 1	
X					D_BS_FPP12_A_AT1	*	1	ARITHMETIC TESTS 1		X					D_BS_FPP12_A_SPI2	*	1	SPECIAL INSTRUCTIONS 2	
X					D_BS_FPP12_A_AT2	A	1	ARITHMETIC TESTS 2		X					D_BS_FPP12_A_SPI3	*	2	SPECIAL INSTRUCTIONS 3	
X					D_BS_FPP12_A_ATLS	*	1	ARITHMETIC TESTS LSWS (EXTENDED MODE)		X					D_BS_FPP12_A_SSG	*	1	SPECIAL STATE GATING (EXTENDED MODE)	
X					D_BS_FPP12_A_CAR1	*	1	COUNTERS AND REGISTERS 1		X					D_BS_FPP12_A_STG	*	2	STATE GEN	
X					D_BS_FPP12_A_CAR2	*	1	COUNTERS AND REGISTERS 2		X					D_BS_FPP12_A_STG1	*	1	STATE GENERATOR JUMPS	
X					D_BS_FPP12_A_CAR3	*	1	COUNTERS AND REGISTERS 3		X					D_BS_FPP12_A_TMSC	*	1	TIMING AND STATE CONTROL (EXTENDED MODE)	
X					D_BS_FPP12_A_CAR4	*	1	COUNTERS AND REGISTERS 4		X					D_MU_FPP12_A_01	C	6	MODULE UTILIZATION (FPP12_A)	
X					D_BS_FPP12_A_CAR5	*	1	COUNTERS AND REGISTERS 5		X					A_PL_FPP12_A_01	C	2	MODULE UTILIZATION (FPP12_A) (PL)	
X					D_BS_FPP12_A_CAR6	*	1	COUNTERS AND REGISTERS 6 (SHIFT C)		X					D_IC_FPP12_A_10C	*	1	I/O CONNECTORS	
X					D_BS_FPP12_A_CAR7	*	1	INSTRUCTION REGISTER					X	1	A-SP-FPP12-A-5	*	35	ENGINEERING SPECIFICATIONS	
X					D_BS_FPP12_A_CAR8	*	1	COMMAND AND STATUS REGISTER					X	1	A-SP-FPP12-A-6	*	8	PRODUCTION CHECKOUT PROCEDURE	
X					D_BS_FPP12_A_CI1	A	2	COMPUTER INTERFACE 1					X	1	A-SP-FPP12-A-7	*	5	ACCEPTANCE PROCEDURE	
X					D_BS_FPP12_A_CI2	*	2	MAINTENANCE IOT CONTROL		X				1	A-SL-FPP12-A-8	*	1	SOFTWARE LIST	
X					D_BS_FPP12_A_CI3	*	1	IOT CONTROL		X				12	D_CS_5409728_0-1	##		CIRCUIT SCHEMATIC (H740D)	
X					D_BS_FPP12_A_CNR	*	1	MAJOR STATE CONTROL											
X					D_BS_FPP12_A_DBC1	B	1	DATA BRK CONTROL 1		X				13	C-UA-BC05H-0-0	##		LINE SET 115 VAC 7AMP	
X					D_BS_FPP12_A_DBC2	B	2	DATA BREAK ADD MUX											
X					D_BS_FPP12_A_DBC3	A	2	DATA MUX											
X					D_BS_FPP12_A_DBL	*	1	DATA BREAK LOGIC (EXTENDED MODE)		X				14	B_CS_854_0_1	##		POWER CONTROL (854)	
X					D_BS_FPP12_A_DEP1	*	1	DEPOSIT RESULTS 1											
X					D_BS_FPP12_A_DEP2	*	1	DEPOSIT RESULTS 2											
X					D_BS_FPP12_A_DEP3	*	1	DEPOSIT RESULTS 3											
X					D_BS_FPP12_A_DR1	*	1	DATA REFERENCE INSTRUCTIONS (EXTENDED MODE)		X				20	D_AD_7008732_0_0	A	3	WIRED ASSY (FPP12_A)	
X					D_BS_FPP12_A_EAC1	*	1	EXTENDED ACCUMULATOR LSW1											
X					D_BS_FPP12_A_EAC2	*	1	EXTENDED ACCUMULATOR LSW2											
X					D_BS_FPP12_A_EXT	*	2	ADDER EXT & LOOK AHEAD LOGIC											
X					D_BS_FPP12_A_FTH1	*	1	FETCH 1											
X					D_BS_FPP12_A_FTH2	*	1	FETCH 2											
X					D_BS_FPP12_A_FTH3	*	1	FETCH 3											
X					D_BS_FPP12_A_ID1	*	1	INSTRUCTIONS DECODER 1											
X					D_BS_FPP12_A_ID2	*	1	INSTRUCTIONS DECODER 2											
X					D_BS_FPP12_A_MLS	*	1	MULTIPLEXER LEAST SIG											
X					D_BS_FPP12_A_MLS1	*	1	MULTIPLEXER LEAST SIG WORD 1											
X					D_BS_FPP12_A_MLS2	*	1	MULTIPLEXER LEAST SIG WORD 2											
X					D_BS_FPP12_A_MLS3	*	1	MULTIPLEXER LEAST SIG WORD 3											
X					D_BS_FPP12_A_MLSW	*	2	MULTIPLEXER LEAST SIG WORD											
X					D_BS_FPP12_A_MMSW	*	2	MULTIPLEXER MOST SIG WORD											
X					D_BS_FPP12_A_MQ	*	1	MULTIPLIER QUOTIENT											
X					D_BS_FPP12_A_MQG	*	1	MULTIPLIER QUOTIENT GATING											

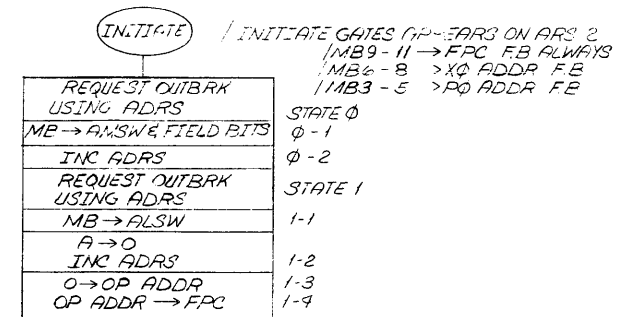
TITLE	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY (FPP12_A)	B	DD	FPP12_A	E
SHEET 4 OF 6				

CUSTOMER PRINT SET				MECHANICAL					CUSTOMER PRINT SET				MECHANICAL										
FPP12-A				DEPOT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	FPP12-A				DEPOT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.		
				X	1	D-UA_FPP12-A-0	C	3	FLOATING POINT PROCESSOR														
				X		A-PL_FPP12-A-0	C	2	FLOATING POINT PROCESSOR (PL)														
				C		K-WL-FPP12-A-04	B		WIRE LIST (FPP12-A)														
						C-PS-1211386-0-0		1	THICK LATCH MOLDING														
																13	C-UA-BC011-0-0				LINE SET 115VAC 7AMP		
																9	A-PL_H952-C-0 D-DI_H952-0-1				H952_C FAN (PL) DRAWING INDEX LIST H952		
					2	C-PL_7006501_3_0			BASIC CAB ASSY 19 (PL)							8	A-PL_H950-S-0 D-DI_H950-0-1				H950_S FILTER (PL) DRAWING INDEX LIST H950		
					3	A-PL_7006478_0_0			FRAME ASSY 19 CAB							12	A-UA-H740-0-0				H740D POWER SUPPLY		
					4	E-UA_H950-AA-0 A-PL_H950-AA-0 D-DI_H590-0-1			H950_A 19 FRAME ASSY H950_A 19 FRAME ASSY (PL) DRAWING INDEX LIST H950							14	D-UA_854_0_0 A-PL_854_0_0				POWER CONTROL 854 POWER CONTROL 854 (PL)		
					5	A-PL_H952-E-0 D-DI_H952-0-1			H952_E CASTER SET (PL) DRAWING INDEX LIST H952							15	D-DI_7407349_4_0				PANEL LOGO		
					6	A-PL_H952-F-0 D-DI_H952-0-1			H952_F LEVELER SET (PL) DRAWING INDEX LIST H952							16	D-UA_H950-LA-0 A-PL_H950-LA-0 D-DI_H950-0-1				H950_L FRAME PANEL H950_L FRAME PANEL (PL) DRAWING INDEX LIST H950		
					7	A-PL_H952-GA-0 D-DI_H952-0-1			H952_G FILLER STRIP ASSY (PL) DRAWING INDEX LIST H952							17	D-IA_7407348_4_0 C-SS_7407348_0_1 C-SS_7407348_0_2				PANEL INLAY SILK SCREEN SILK SCREEN		
					10	A-PL_H952-D-0 D-DI_H952-0-1			H952_D POWER FASTENERS (PL) DRAWING INDEX LIST H952														
					11	D-UA_H950-EA-0 A-PL_H950-EA-0 D-DI_H950-0-1			H950_E MTG PANEL DOOR H950_E MTG PANEL DOOR (PL) DRAWING INDEX LIST H950														
										TITLE		SHEET 5 OF 6		SIZE	CODE	NUMBER		REV					
										DRAWING DIRECTORY (FPP12-A)		B	DD	FPP12-A		E							

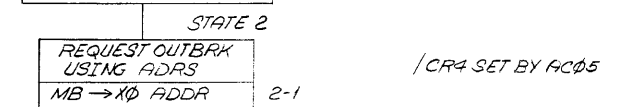
CUSTOMER PRINT SET					MECHANICAL					CUSTOMER PRINT SET					
FPP12_A	DEPOT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.		
		18	C_UA_H95ø_Q_ø			H95ø_Q COVER PANEL									
			A_PL_H95ø_Q_ø			H95ø_Q COVER PANEL (PL)									
			D_DI_H95ø_ø_1			DRAWING INDEX LIST H95ø									
		19	D_UA_H95ø_C_ø			H95ø_C FULL LENGTH DOOR									
			A_PL_H95ø_C_ø			H95ø_C FULL LENGTH DOOR (PL)									
			D_DI_H95ø_ø_1			DRAWING INDEX LIST (PL)									
		20	D_AD_7008732_0_0	*		WIRED ASSY (FPP12_A)									
			A_PL_7008732_0_0	*		WIRED ASSY (FPP12_A) (PL)									
			A_DC_7406371_0_0			LOGIC FRAME DECALS									
		21	D_AD_5404491_0_0			H911 MTG PANEL									
			A_PL_5404491_0_0			H911 MTG PANEL (PL)									
		22	D_AD_5302483_0_0			CASTING ASSY (1943)									
			A_PL_5302483_0_0			CASTING ASSY (1943) (PL)									
			E_MD_1202865_0_0			1943 FRAME CASTINGS									
		23	C_IA_5404490_0_0			LEFT END PANEL ASSY (H911)									
			C_MD_5302485_0_0			LEFT END PANEL									
			A_DC_5504487_0_0_A			H911 MTG PANEL LABEL									
		24	D_AD_7005993_0_0			FAN HOUSING ASSY									
			A_PL_7005993_0_0			FAN HOUSING ASSY (PL)									
			A_DC_7407314_0_0			DECAL FAN HOUSING									
			C_IA_7406892_0_0			FAN HOUSING									
TITLE							DRAWING DIRECTORY (FPP12_A)		SHEET 6 OF 6		SIZE CODE		NUMBER		REV
									B DD		FPP12_A		E		

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SIGNAL NAMES
 ARS2 START L
 ARS2 LD FMSW L
 ARS2 INC ARS ADDR L
 ARS2 LD FPC L
 ARS2 LD ALSN L
 ARS2 ENABLE A TO B L
 ARS2 INC ARS ADDR L
 ARS2 SET OP ADDR L
 ARS2 SET FPC L



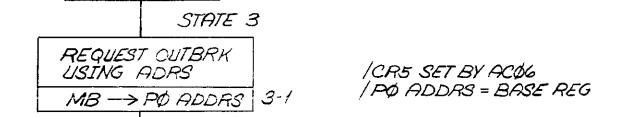
ARS2 LD X0 ADDR L
 ARS2 ENABLE X0 L



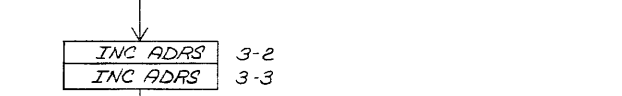
ARS2 INC ARS ADDR L



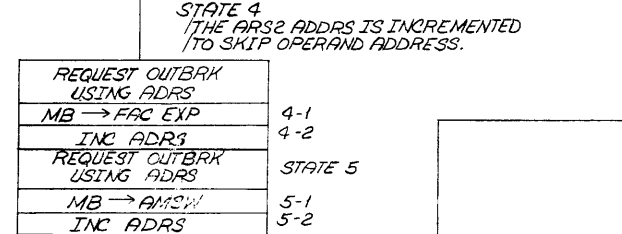
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 ARS2 ENABLE P0 L



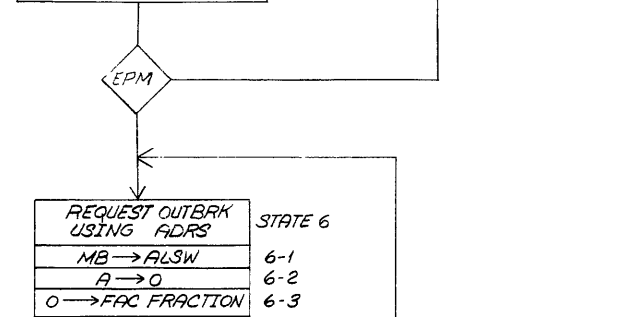
ARS2 INC ARS ADDR L
 ARS2 INC AGAIN L



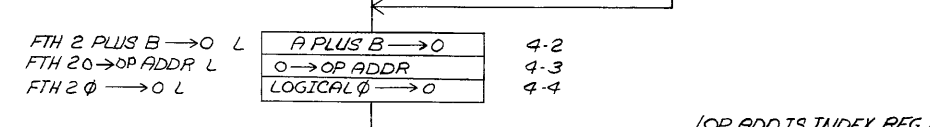
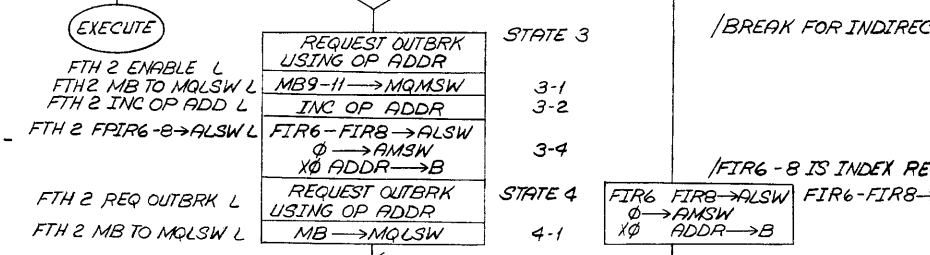
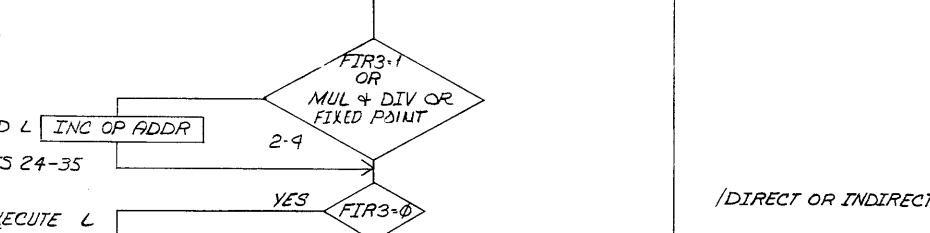
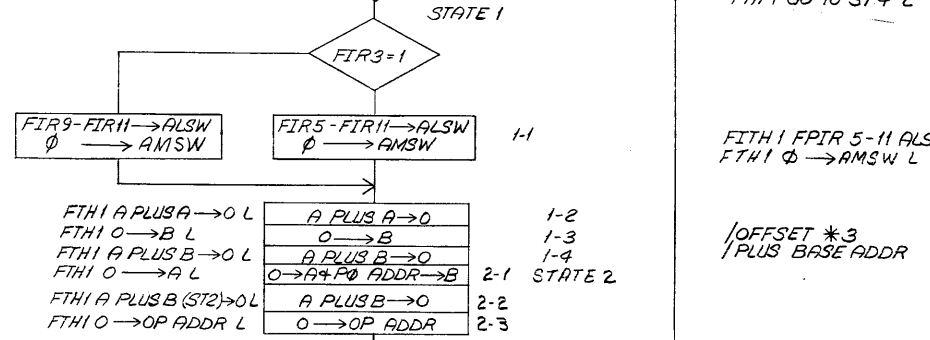
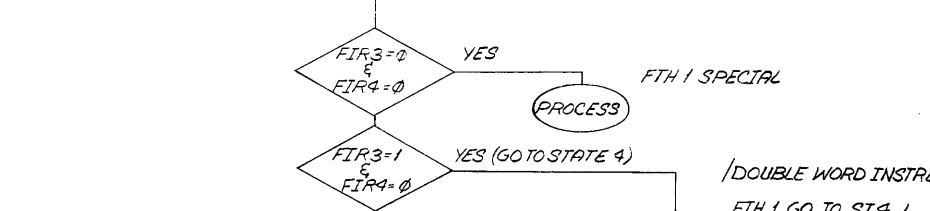
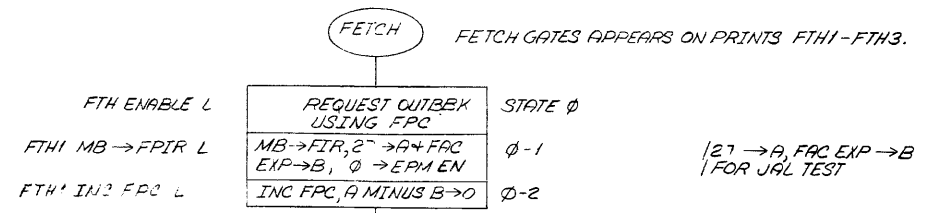
ARS2 LD FAC EXP L
 ARS2 ENABLE FAC EXP L
 ARS2 INC ARS ADDR L
 ARS2 LD FAC MSW L
 ARS2 ENABLE AMSW L
 ARS2 INC ARS ADDR L



ARS2 LD FAC LSW L
 ARS2 ENABLE ALSW L
 ARS2 ENABLE A TO 0 L
 ARS2 ENABLE 0 TO FAC L



THE SIGNAL ARS2 LD FAC LSW L
 CAUSES ENTRY INTO FETCH STATE 0



CONTINUED ON SHEET #2

REV	CHG	NO	DATE	BY
1		0001	1/25/72	MOORE
2		0002	5/10/72	MOORE
3		0003	7/13/72	MOORE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN.	DATE
DECIMALS	10-26-71	10-26-71
ANGLES	1-25-72	1-25-72

MATERIAL	NEXT HIGHER ASSY.	SCALE	SHEET	OF	TOTAL
---	B-DD-FPPI2-A	D	FD	1	12

REVISIONS	NO.	DATE	BY
1	0001	1/25/72	MOORE
2	0002	5/10/72	MOORE
3	0003	7/13/72	MOORE

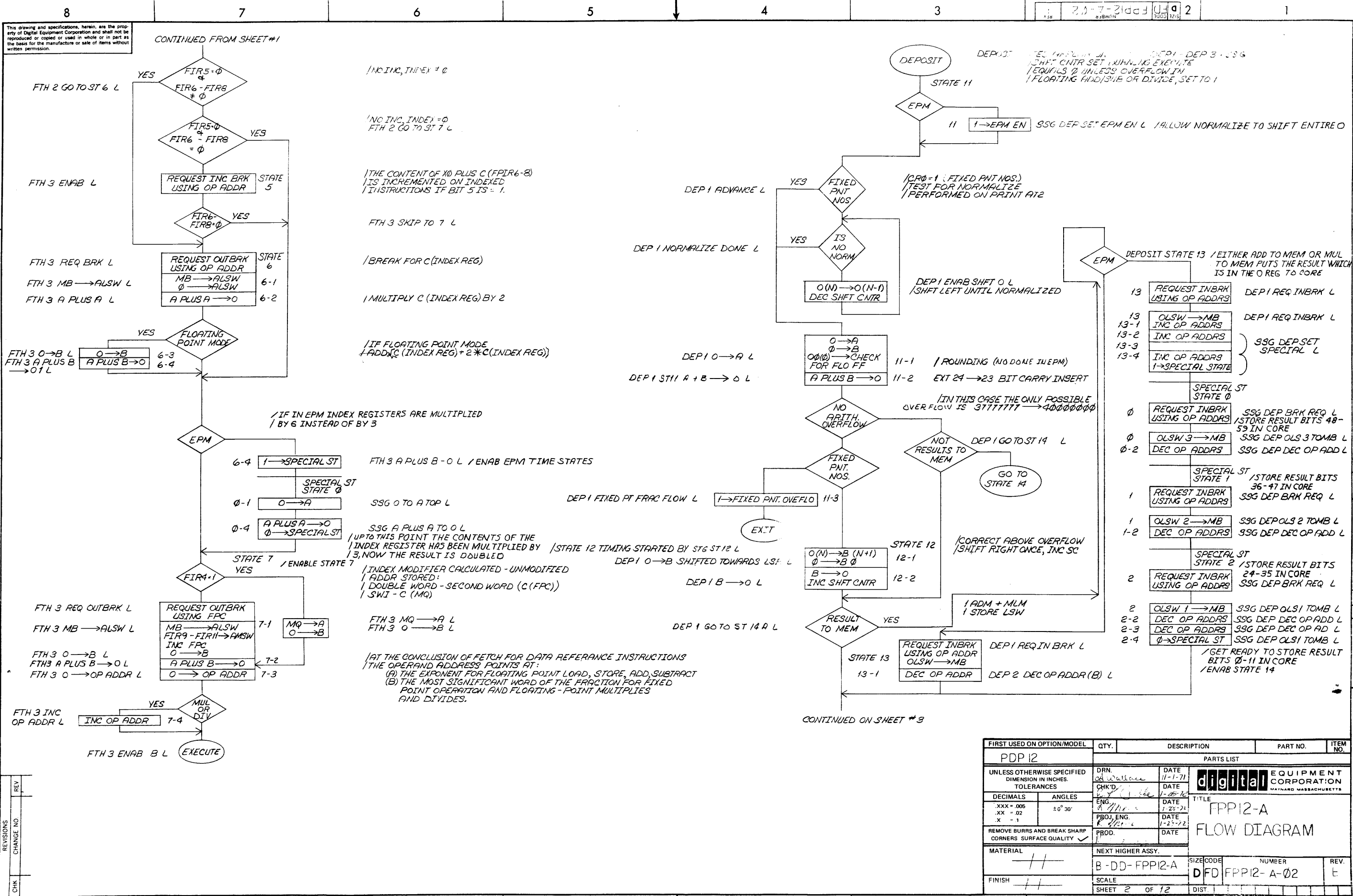
digital EQUIPMENT CORPORATION
 MAYNARD MASSACHUSETTS

TITLE
 FPPI2-A
 FLOW DIAGRAM

SIZE CODE
 D

NUMBER
 FD FPPI2-A-02

REV.
 B

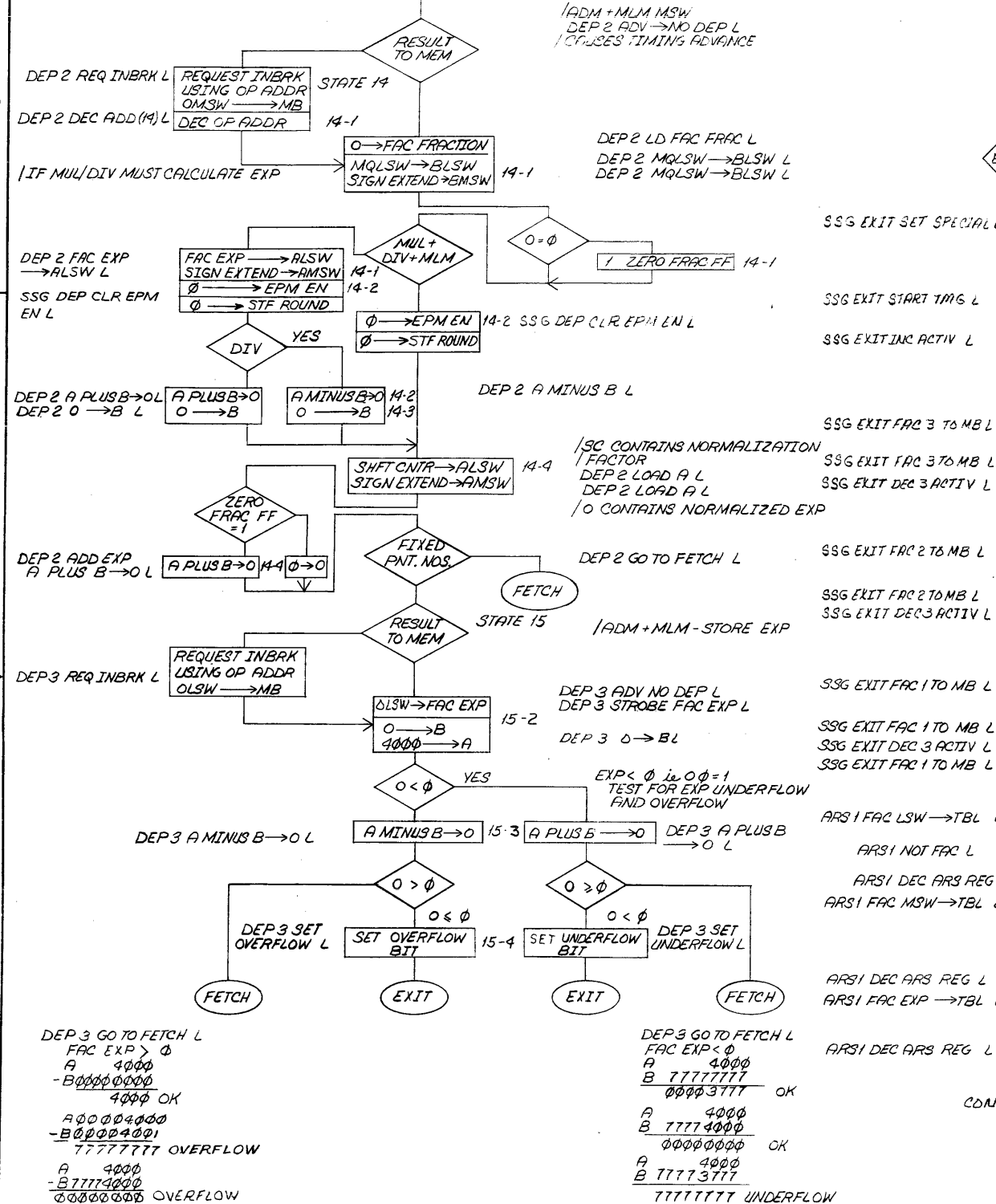


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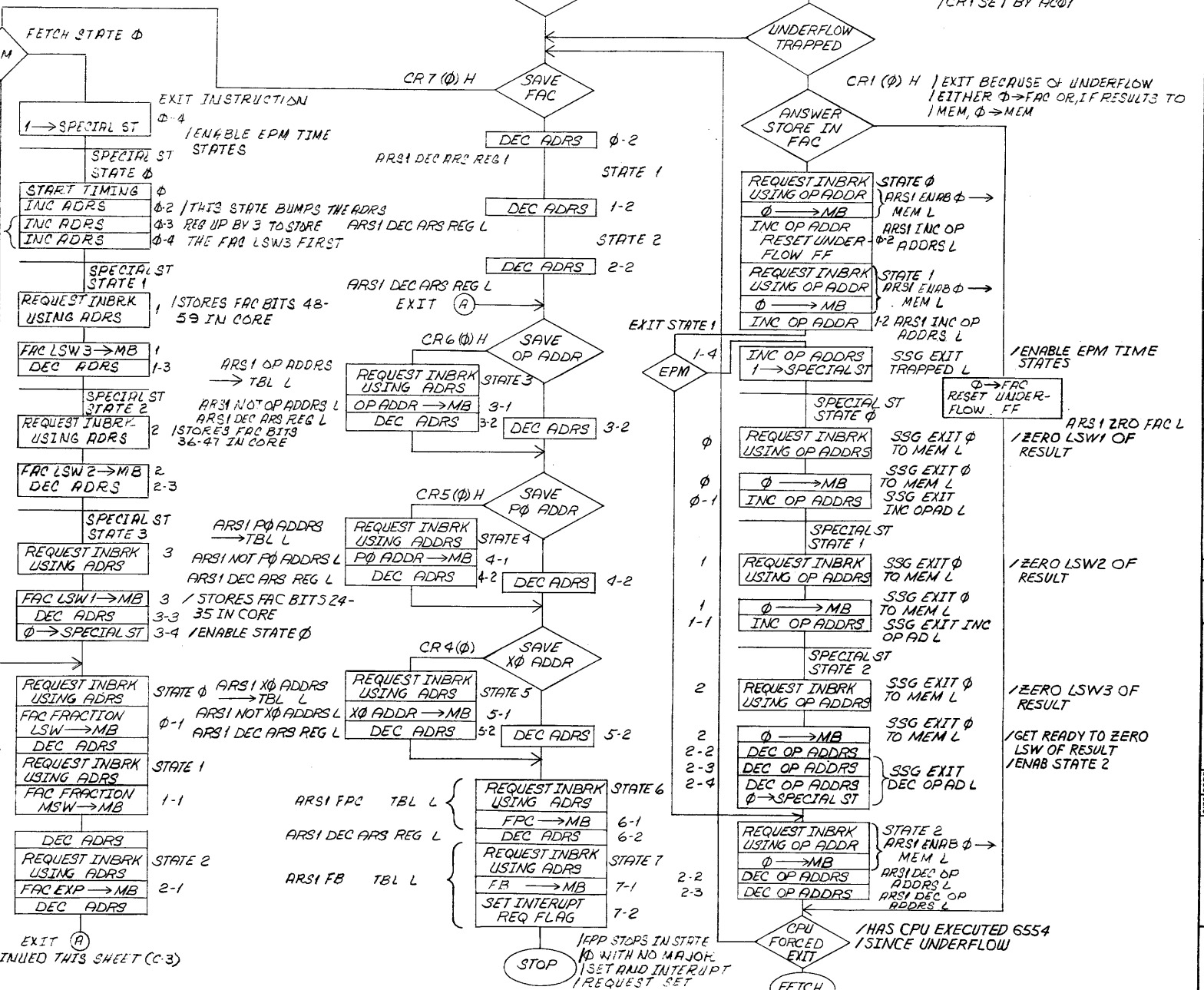
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>ca Wallace</i>	DATE 11-1-71	digital CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	CHK'D <i>ca Wallace</i>	DATE 1-25-72	TITLE FPP12-A FLOW DIAGRAM	
ANGLES	ENG <i>ca Wallace</i>	DATE 1-25-72	REVISIONS	
XXX = .005	PBOJ. ENG. <i>ca Wallace</i>	DATE 1-25-72	REV. <i>E</i>	
XX = .02	PROD.	DATE	NUMBER D FD FPP12-A-02	
X = .1			SCALE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			SHEET 2 OF 12	
MATERIAL	NEXT HIGHER ASSY.		DIST.	
FINISH				

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CONTINUED FROM SHEET #2



DECISION IS MADE DURING
FETCH, STATE ϕ , MINT PULSE 4



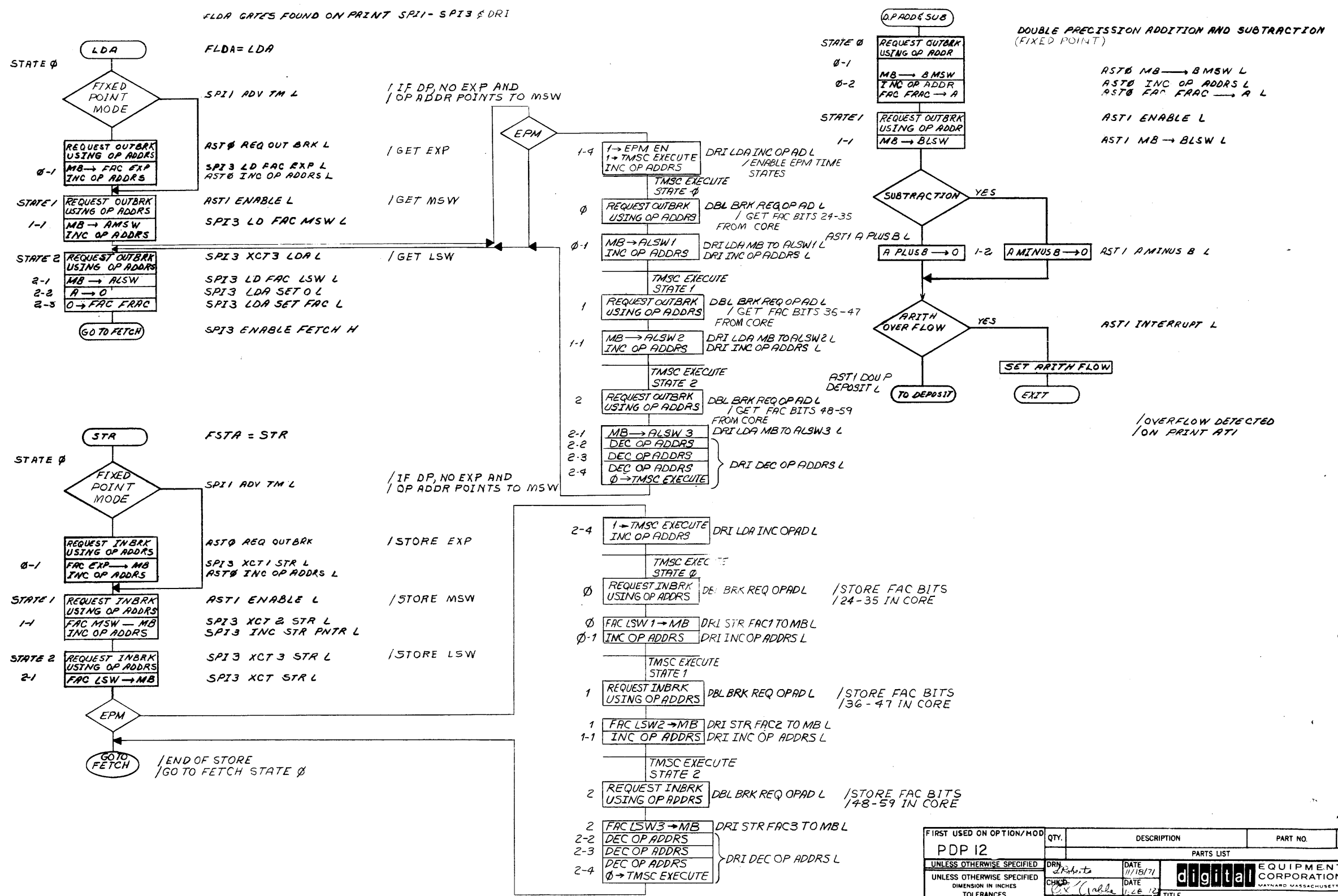
CONTINUED THIS SHEET (C-3)

REV	CHANGE NO

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XXX = .005	$\pm 0^{\circ} 30'$	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
.XX = .02		TITLE FPPI2-A FLOW DIAGRAM		
.X = .01		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE NUMBER REV.		
FINISH	B-DD-FPPI2-A	D FD FPPI2-A-02 B		
SHEET 3 OF 12		DIST.		

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FDFFP12-A-02



REVISIONS	REV.
CHANGE NO.	
CHK	

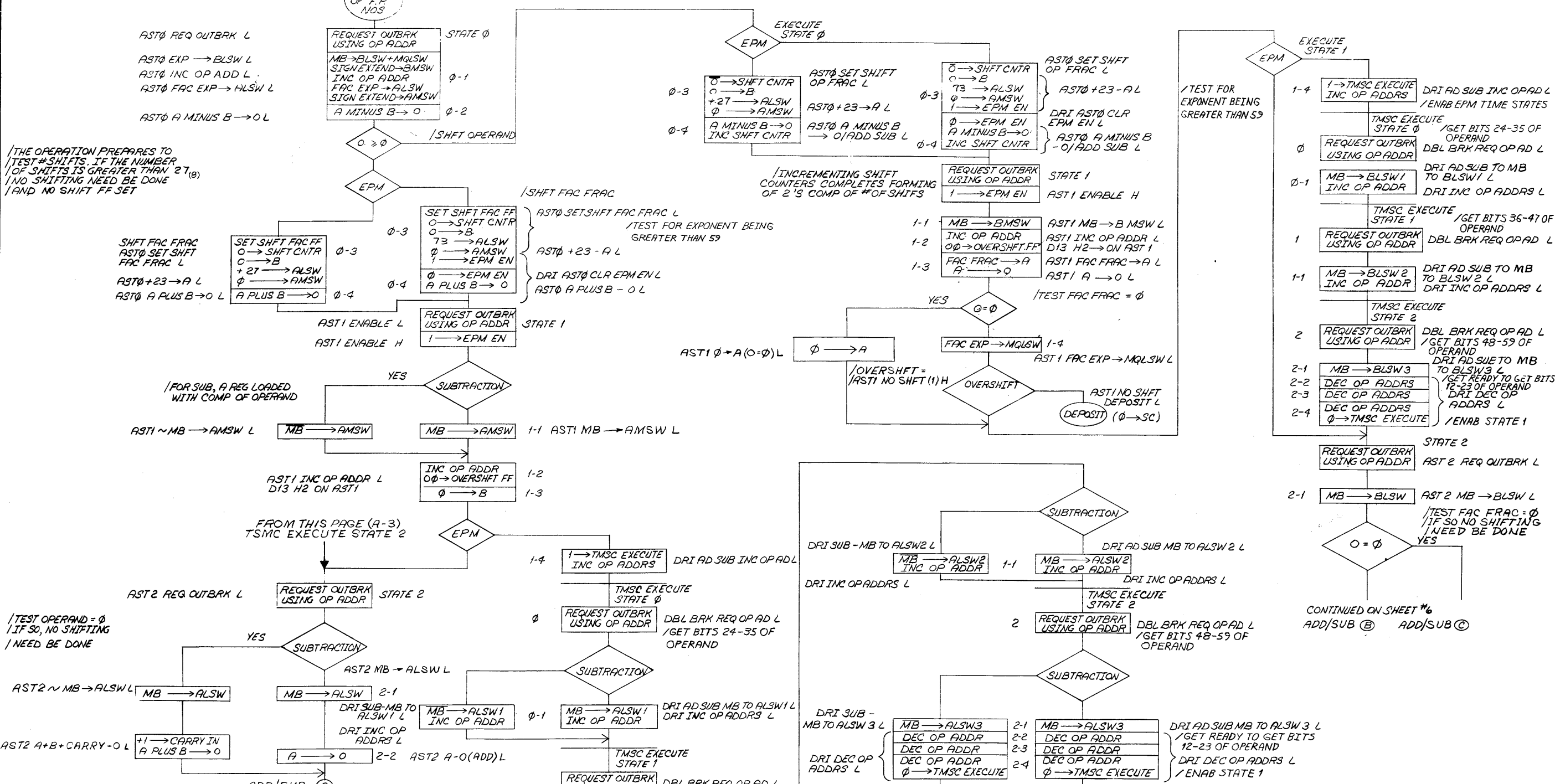
DEC FORM NO DRD 102A

FIRST USED ON OPTION/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	PARTS LIST	
DIMENSION IN INCHES	CHG	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	ENG	DATE	TITLE	
DECIMALS FRACTIONS ANGLES	PROJ. ENG	DATE	FPP 12-A FLOW DIAGRAM	
± .005 ± 1/64 ± 0°30'	PROD	DATE	NEXT HIGHER ASSY	
FINAL SURFACE QUALITY			B-DD-FPP12-A	
REMOVE BURRS AND BREAK SHARP CORNERS			SCALE	
MATERIAL			SHEET 4 OF 12	
FINISH			DISTRIBUTION	

REV. B
NUMBER
FDFFP12-A-02

A

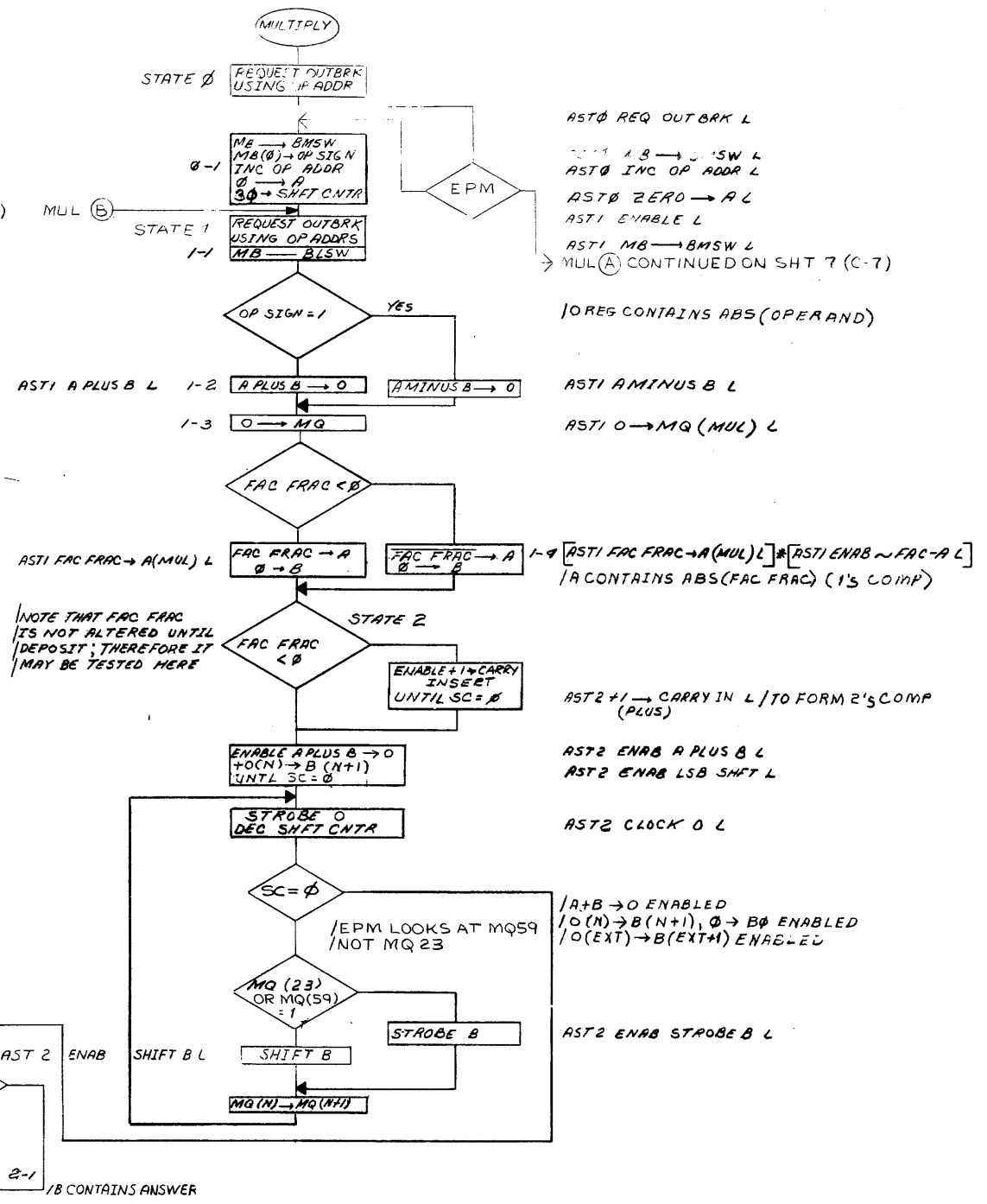
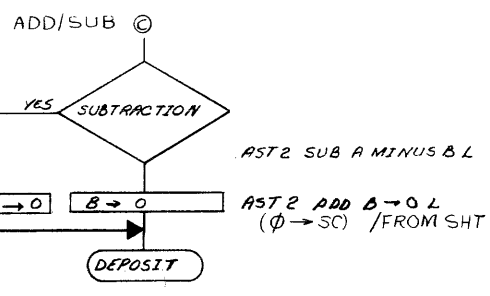
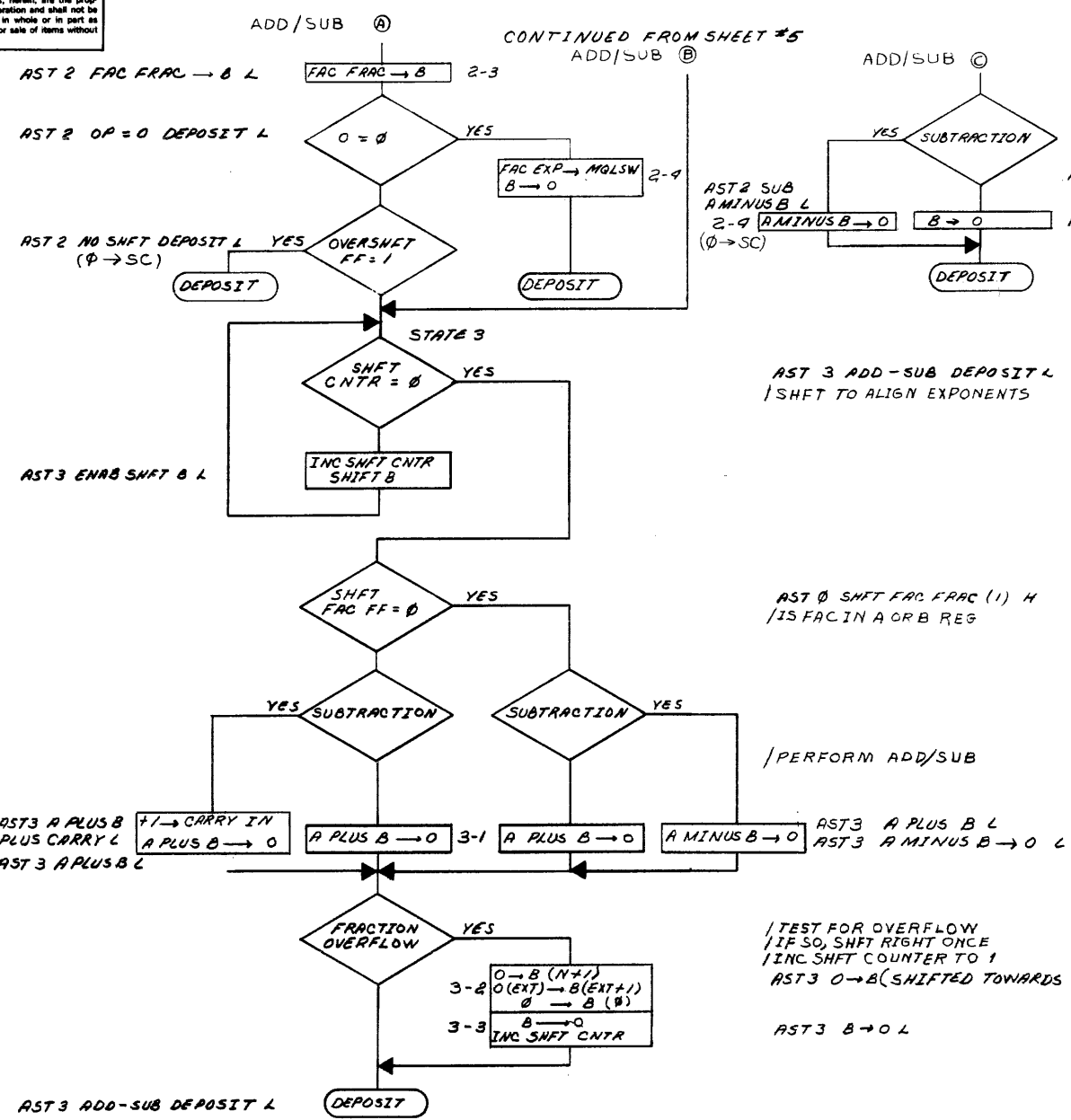
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REV	NO	DATE
CHK	NO	DATE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
UNLESS OTHERWISE SPECIFIED TOLERANCES IN INCHES.				
DRN.	DATE	PARTS LIST		
CHK'D.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DECIMALS	ANGLES	TITLE		
XXX - .006	±0° 30'	FPP12-A		
XX - .02		FLOW DIAGRAM		
X - .1		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		
MATERIAL	NEXT HIGHER ASSY.	MATERIAL		
FINISH	SCALE	FINISH		
	SHEET 5 OF 12	SIZE CODE NUMBER REV. DFD FPP12-A-02 B		

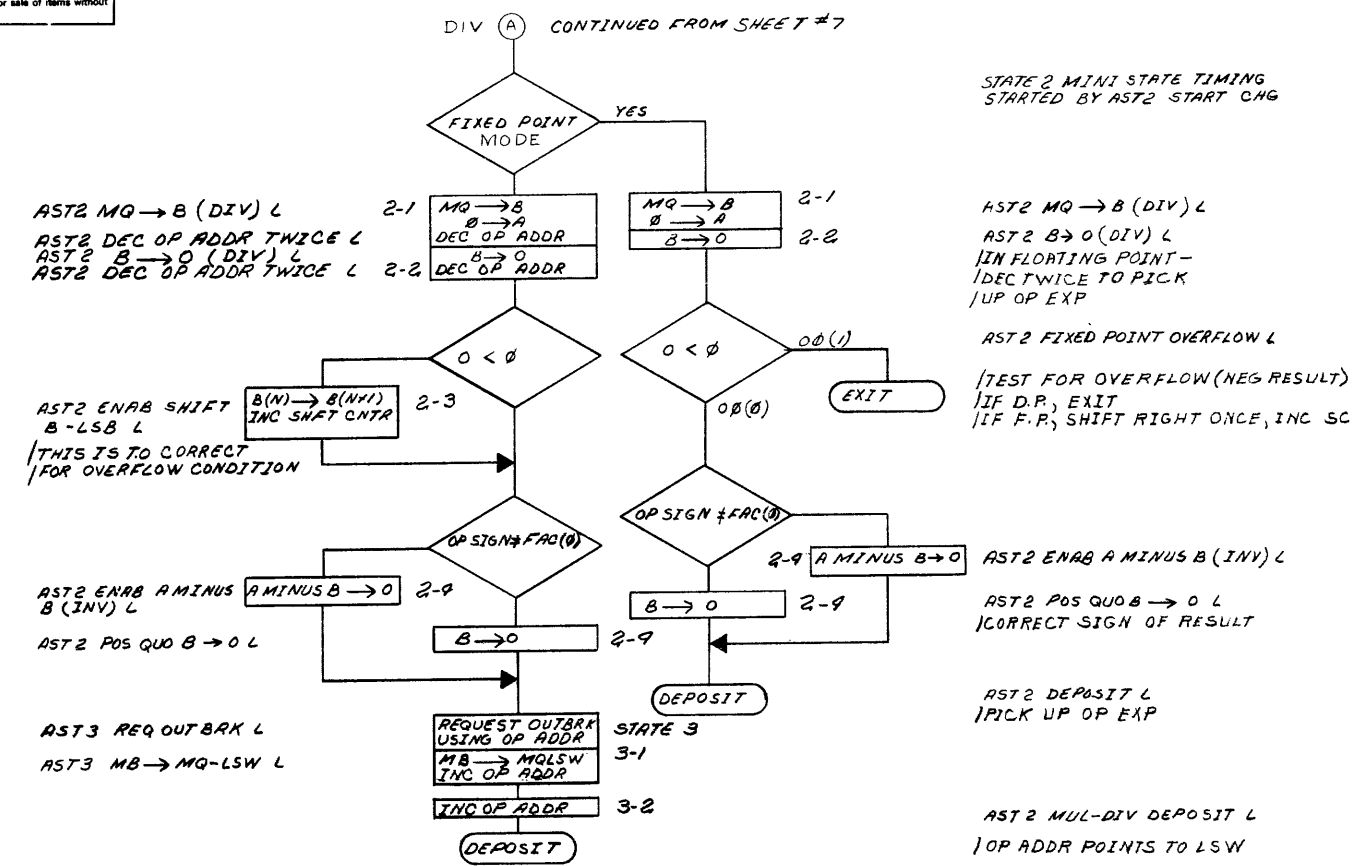
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REVISIONS	REV
CHANGE NO.	
CHK	

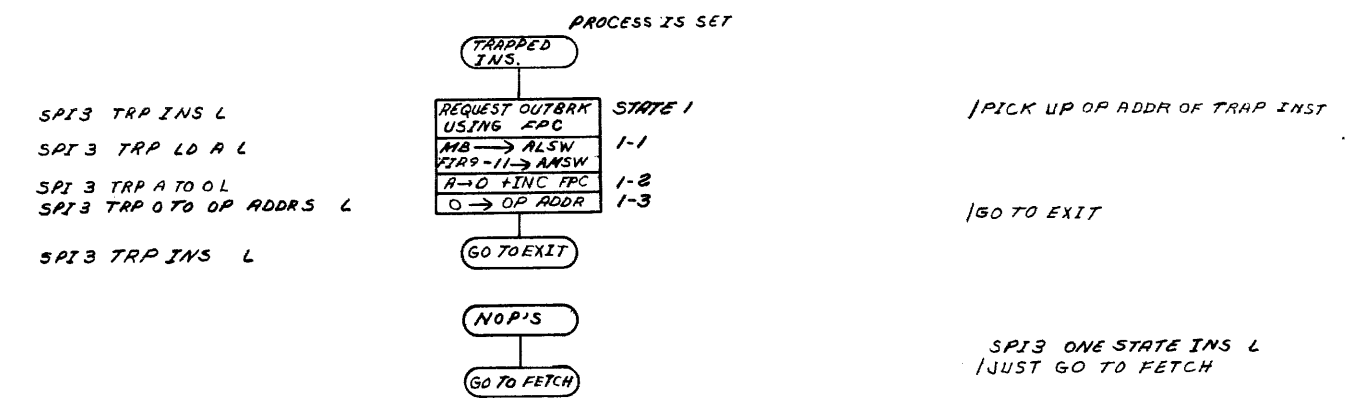
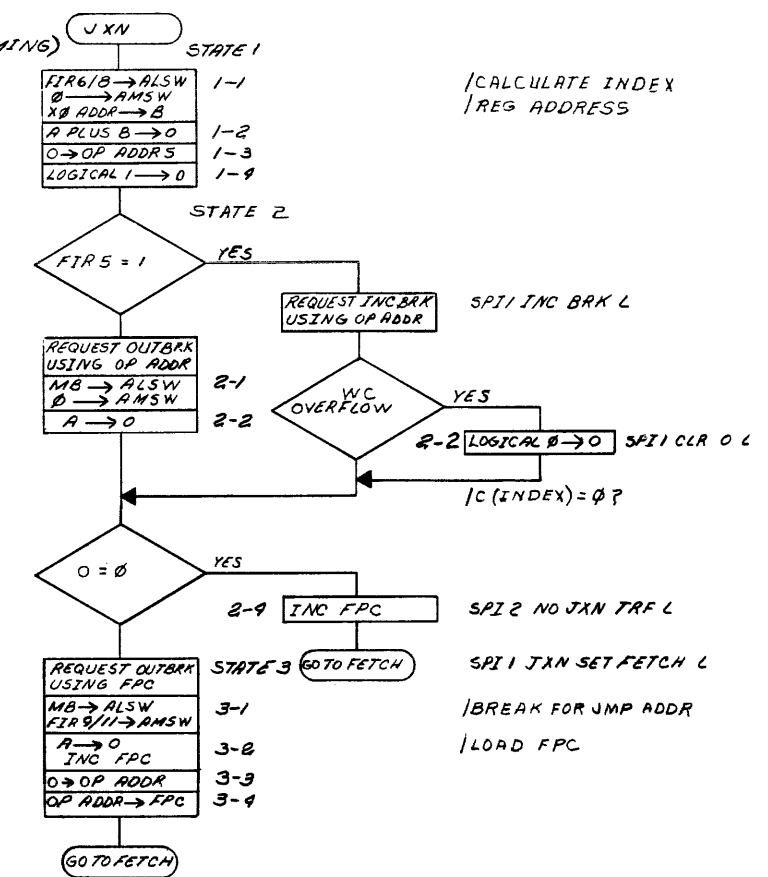
FIRST USED ON OPTION/ MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES	CHWB	DATE	TITLE	
TOLERANCES	ENT	DATE	FPP12-A FLOW DIAGRAM	
DECIMALS = .005	PROJ. ENG.	DATE	MATERIAL	
FRACTIONS = 1/16	PROD.	DATE	FINISH	
ANGLES = 0°30'	NEXT HIGHER ASSY	DATE	SCALE	
FINAL SURFACE QUALITY: REMOVE BURRS AND BREAK SHARP CORNERS	B-DD-FPP12-A	DATE	SHEET	
			SIZE (CODE)	NUMBER
			D/FD FPP12-A-02	REV B
			DIST.	

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/SPI1 ADVL (ADVANCE TIMING)

SPI1 CAL X ADDRS L
 SPI1 ADD A TO B L
 SPI1 X TO OP ADDRS L
 SPI1 SET 0 L

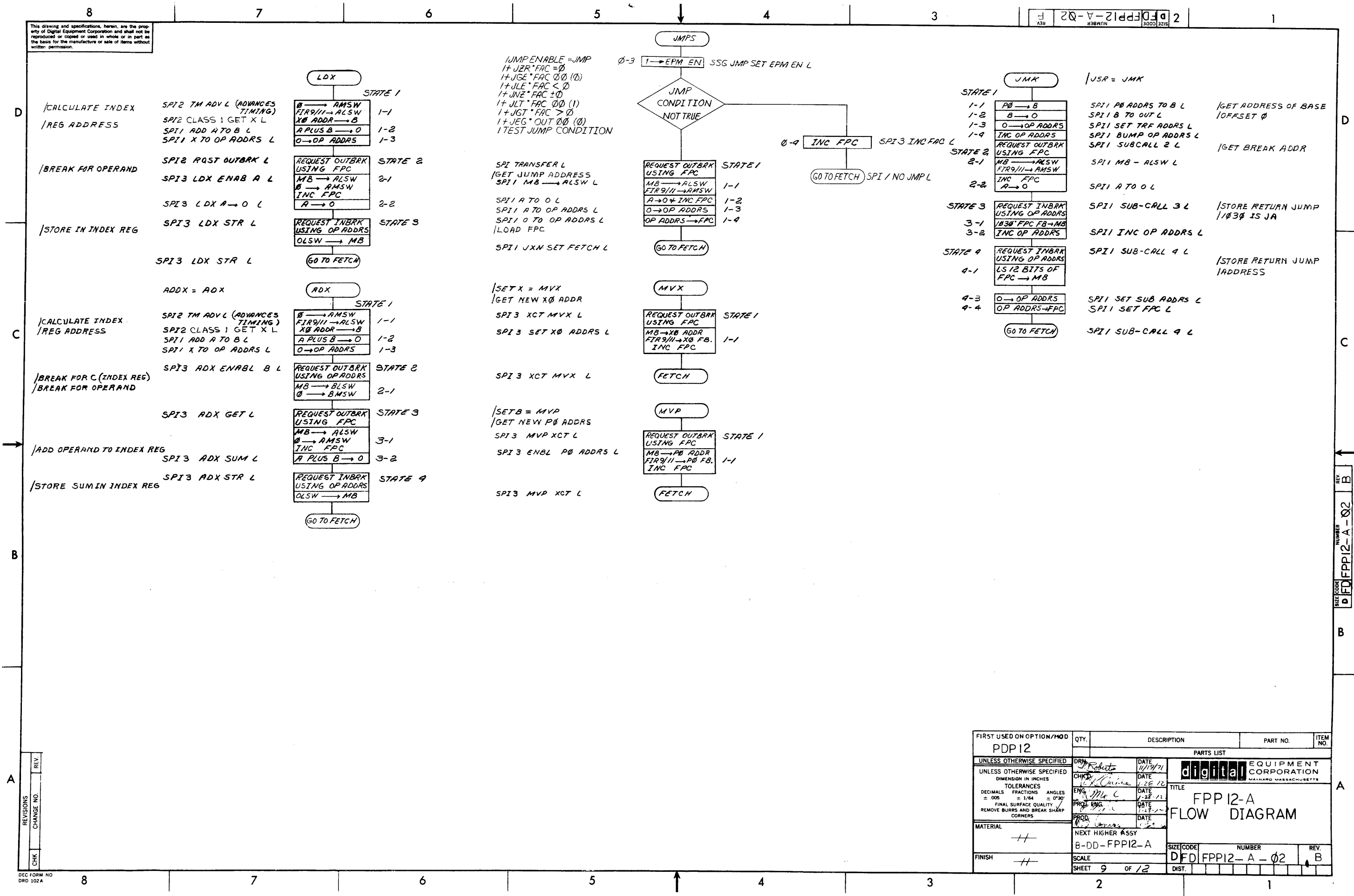


FIRST USED ON OPTION/MOD.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRW	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD	DATE	TITLE	
DIMENSION IN INCHES	ENG	DATE	FPP12-A FLOW DIAGRAM	
TOLERANCES	PRG	DATE	SIZE CODE NUMBER REV	
DECIMALS FRACTIONS ANGLES	PROD	DATE	DFD/FPP12-A-02 B	
± .005 ± 1/64 ± 0°30'	NEXT HIGHER ASSY		SCALE	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	B-DD-FPP12-A		SHEET 8 OF 12	
MATERIAL	FINISH		DIST.	
—	—			

REV.	CHANGE NO.

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REV. NUMBER
 FPP12-A-02
 SIZE CODE
 DFD

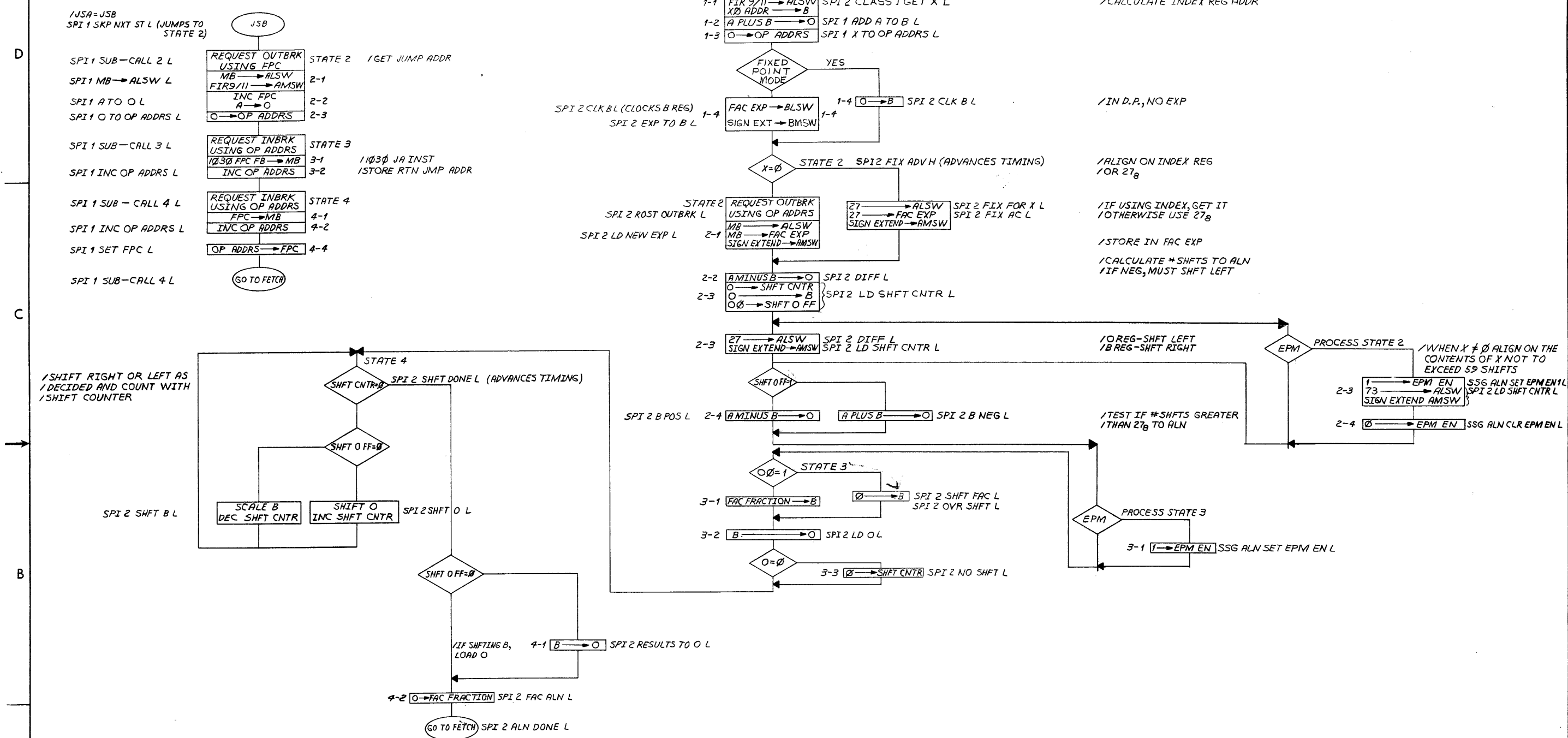


FIRST USED ON OPTION/MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRY	DATE 11/19/71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD	DATE 1-26-72	TITLE	
DIMENSION IN INCHES		ENG. DATE 1-28-72	FPP12-A	
TOLERANCES		PROL. ENG. DATE 1-28-72	FLOW DIAGRAM	
DECIMALS FRACTIONS ANGLES		PROD. DATE 1-28-72	MATERIAL	
= .005 = 1/64 = 0°30'			NEXT HIGHER ASSY	
FINAL SURFACE QUALITY			B-DD-FPP12-A	
REMOVE BURRS AND BREAK SHARP CORNERS			FINISH	
CORNERS			SCALE	
			SHEET 9 OF 12	
			SIZE CODE NUMBER REV.	
			DFD FPP12-A-02 B	
			DIST.	

REV.	CHANGE NO.

DEC FORM NO. DRD 102A

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1/JSA-JSB
SPI 1 SKP NXT ST L (JUMPS TO STATE 2)

STATE 2 /GET JUMP ADDR

REQUEST OUTBRK USING FPC
MB → ALSW
FIR 3/11 → AMSW
INC FPC
A → 0
0 → OP ADDRS

STATE 3

REQUEST INBRK USING OP ADDRS
1030 FPC FB → MB
INC OP ADDRS

STATE 4

REQUEST INBRK USING OP ADDRS
FPC → MB
INC OP ADDRS
OP ADDRS → FPC

GO TO FETCH

STATE 4

SHFT CNTR=0
SHFT OFF=0

SCALE B
DEC SHFT CNTR

SHIFT O
INC SHFT CNTR

SPI 2 SHFT B L

SPI 2 SHFT O L

SHFT OFF=0

IF SHIFTING B, LOAD 0

4-1 B → 0 SPI 2 RESULTS TO 0 L

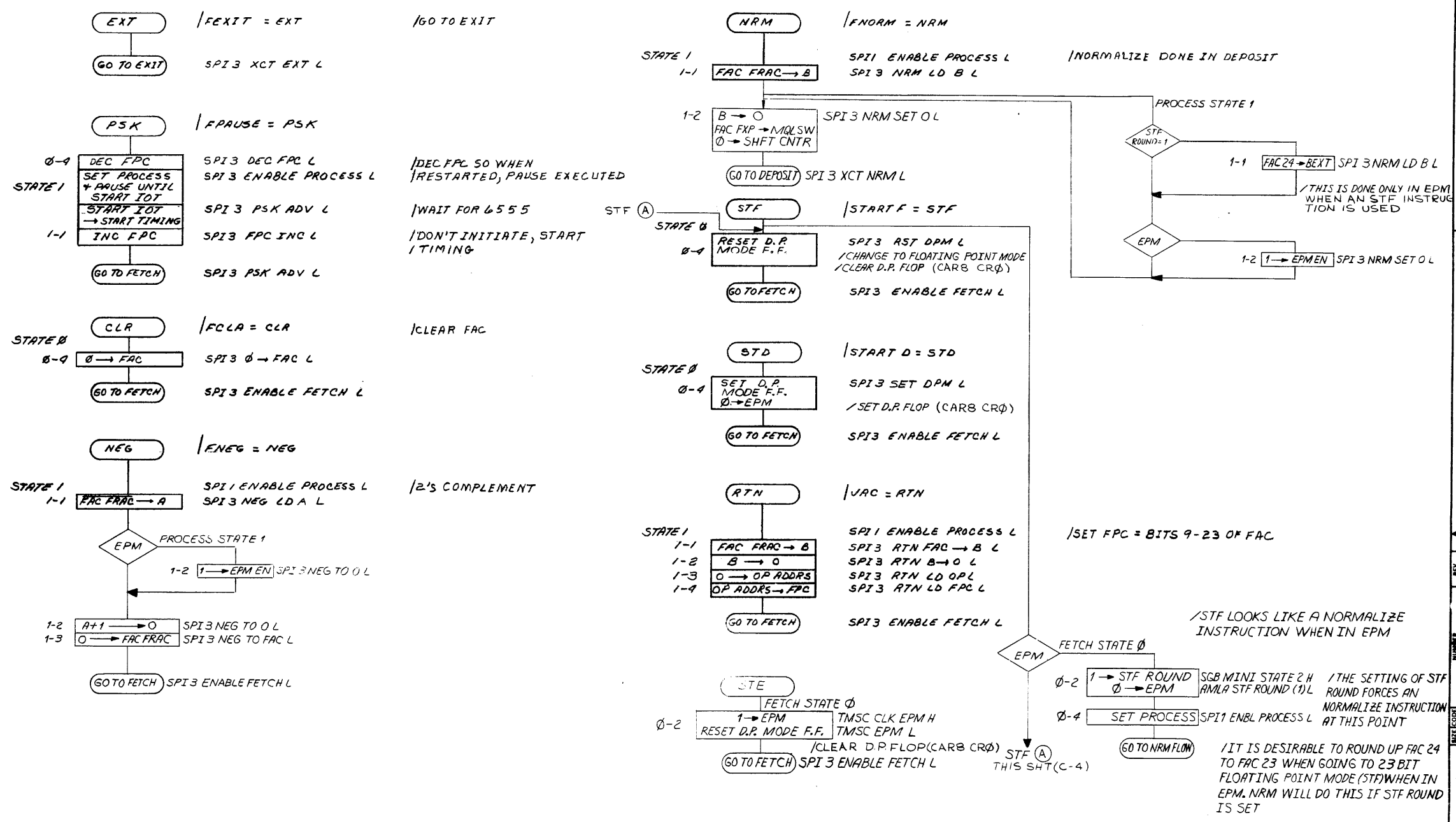
4-2 0 → FAC FRACTION SPI 2 FAC ALN L

GO TO FETCH SPI 2 ALN DONE L

REV	
CHANGE NO	
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN 1/24/71	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	CHK'D.	DATE	TITLE	
.XXX = .005	ENG.	DATE	FP12-A	
.XX = .02	PROJ. ENG.	DATE	FLOW DIAGRAM	
X = .1	PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.			
FINISH	B-DD-FP12-A	SIZE CODE	NUMBER	REV.
	SCALE	DFD	FP12-A-02	b
	SHEET 10 OF 12	DIST.		

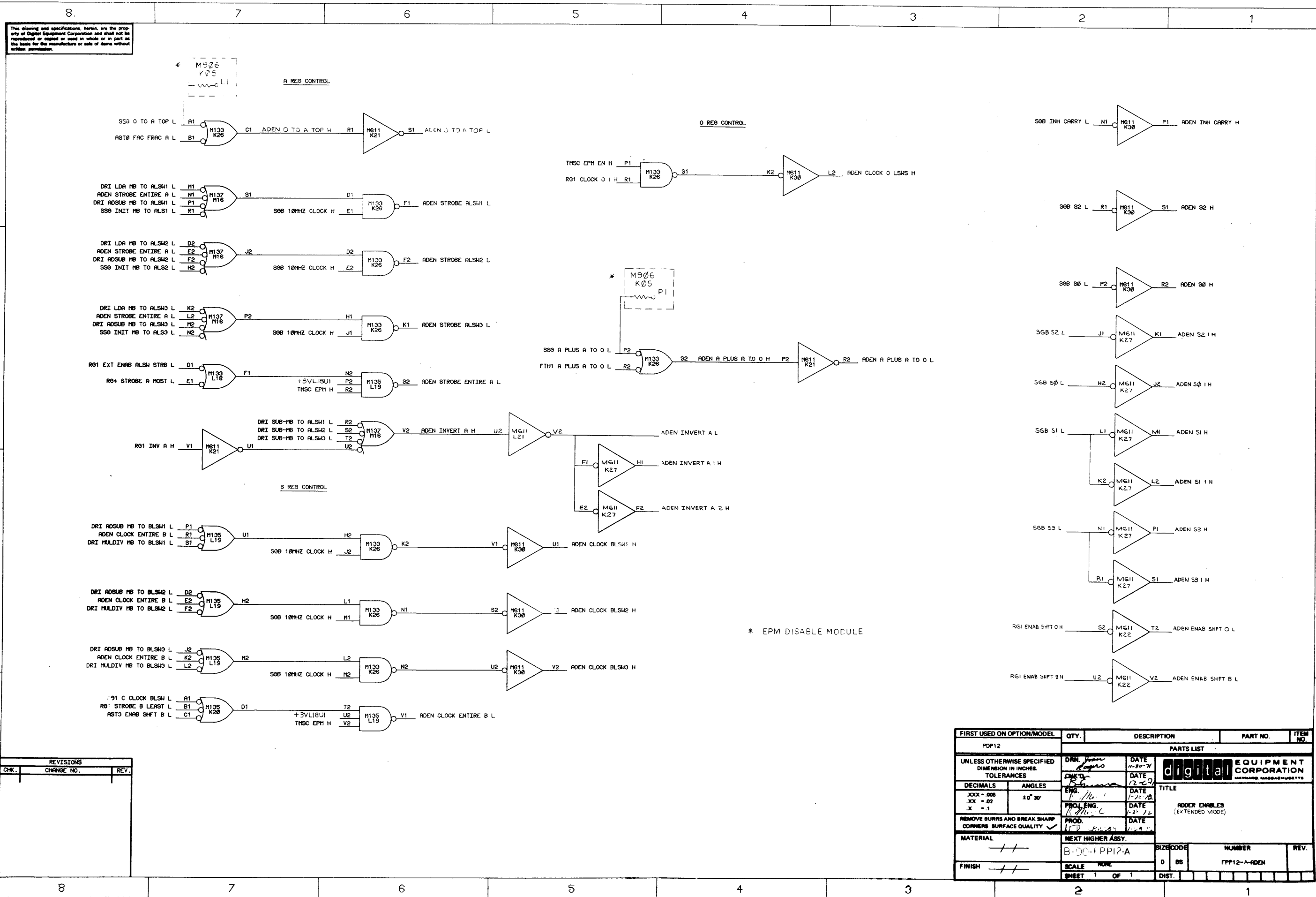
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FIRST USED ON OPTION/MOD.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE	
DIMENSION IN INCHES	ENG	DATE	FPP12-A	
TOLERANCES	PROJ ENG	DATE	FLOW DIAGRAM	
DECIMALS FRACTIONS ANGLES	PROD	DATE		
± .005 ± 1/64 ± 0°30'		DATE		
FINAL SURFACE QUALITY		DATE		
REMOVE BURRS AND BREAK SHARP CORNERS		DATE		
MATERIAL			NEXT HIGHER ASSY	
			B-DD-FPP12-A	
FINISH			SCALE	
			SHEET 12 OF 12	
			DIST.	

REV.	
CHANGE NO.	
CHK	

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* EPM DISABLE MODULE

REVISIONS		
CHK.	CHANGE NO.	REV.

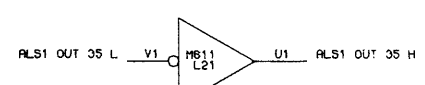
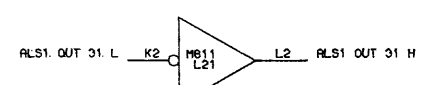
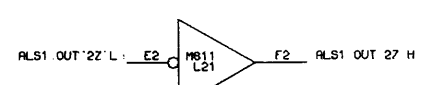
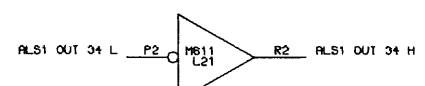
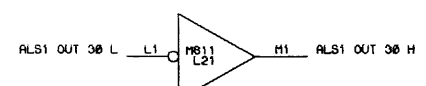
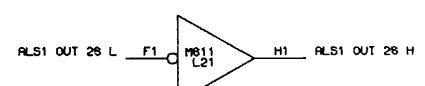
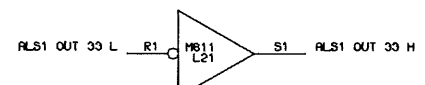
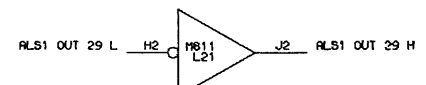
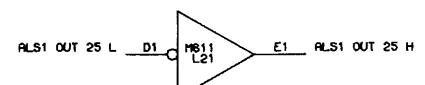
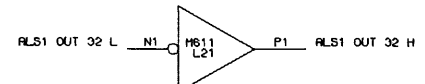
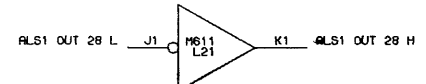
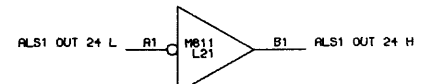
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN <i>John Rogers</i>	DATE 11-30-71	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>
DECIMALS .XXX - .006		CHK'D <i>B. S. ...</i>	DATE 12-27-71	
ANGLES ±0° 30'		ENG <i>W. M. ...</i>	DATE 1-27-72	
.XX - .02		PROL. ENG. <i>W. M. ...</i>	DATE 4-27-72	
.X - .1		PROD. <i>W. M. ...</i>	DATE 1-27-72	TITLE
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				RODOR ENABLES (EXTENDED MODE)
MATERIAL		NEXT HIGHER ASSY.		
FINISH		B-00-FPPI2-A	SIZE CODE	NUMBER
		SCALE NONE	D BS	FPPI2-A-ADEN
		SHEET 1 OF 1	DIST.	

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ALS1 A 32 L	J1	A3	F8	U2	ALS1 OUT 35 L
ALS1 A 33 L	K1	A2	F1	S2	ALS1 OUT 34 L
ALS1 A 34 L	J2	A1	F2	M1	ALS1 OUT 33 L
ALS1 A 35 L	N1	A0	F3	R2	ALS1 OUT 32 L
ALS1 B 32 L	H2	B3	0	M2	ALS1 OEN 6 L
ALS1 B 33 L	H1	B2	P	P2	ALS1 PROP 8 L
ALS1 B 34 L	F2	B1	CN+4	N2	
ALS1 B 35 L	E2	B0	A-MSB	S1	
ALS1 BREG LS87 L	L2	B SER	1B-LSB	F1	ALS1 BREG LS88 L
ADEN CLOCK BLS41 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 1 H	P1	A INV			
ADEN STROBE ALS41 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS2 OUT 36 L	V2	0 SERIAL			
ADEN CLOCK 0 LS45 H	T2	0 CLOCK			
ADEN ENAB SHFT 0 L	L1	0 LOAD/SHIFT L			
ANLA C4 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 1 H	E1	X3			
ADEN S2 1 H	D1	X2			
ADEN S1 1 H	C1	X1			
ADEN S0 1 H	B1	X0			

ALS1 A 28 L	J1	A3	F8	U2	ALS1 OUT 31 L
ALS1 A 29 L	K1	A2	F1	S2	ALS1 OUT 30 L
ALS1 A 30 L	J2	A1	F2	M1	ALS1 OUT 29 L
ALS1 A 31 L	N1	A0	F3	R2	ALS1 OUT 28 L
ALS1 B 28 L	H2	B3	0	M2	ALS1 OEN 7 L
ALS1 B 29 L	H1	B2	P	P2	ALS1 PROP 7 L
ALS1 B 30 L	F2	B1	CN+4	N2	
ALS1 B 31 L	E2	B0	A-MSB	S1	
ALS1 BREG LS88 L	L2	B SER	1B-LSB	F1	ALS1 BREG LS87 L
ADEN CLOCK BLS41 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 1 H	P1	A INV			
ADEN STROBE ALS41 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS1 OUT 32 L	V2	0 SERIAL			
ADEN CLOCK 0 LS45 H	T2	0 CLOCK			
ADEN ENAB SHFT 0 L	L1	0 LOAD/SHIFT L			
ANLA C5 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 1 H	E1	X3			
ADEN S2 1 H	D1	X2			
ADEN S1 1 H	C1	X1			
ADEN S0 1 H	B1	X0			

ALS1 A 24 L	J1	A3	F8	U2	ALS1 OUT 27 L
ALS1 A 25 L	K1	A2	F1	S2	ALS1 OUT 26 L
ALS1 A 26 L	J2	A1	F2	M1	ALS1 OUT 25 L
ALS1 A 27 L	N1	A0	F3	R2	ALS1 OUT 24 L
ALS1 B 24 L	H2	B3	0	M2	ALS1 OEN 8 L
ALS1 B 25 L	H1	B2	P	P2	ALS1 PROP 8 L
ALS1 B 26 L	F2	B1	CN+4	N2	
ALS1 B 27 L	E2	B0	A-MSB	S1	
ALS1 BREG LS88 H	L2	B SER	1B-LSB	F1	ALS1 BREG LS88 L
ADEN CLOCK BLS41 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 1 H	P1	A INV			
ADEN STROBE ALS41 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS1 OUT 28 L	V2	0 SERIAL			
ADEN CLOCK 0 LS45 H	T2	0 CLOCK			
ADEN ENAB SHFT 0 L	L1	0 LOAD/SHIFT L			
ANLA CARRY 1 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 1 H	E1	X3			
ADEN S2 1 H	D1	X2			
ADEN S1 1 H	C1	X1			
ADEN S0 1 H	B1	X0			



NOTE: IN LOCATION L21, PINS C1, M2 AND M2 ARE GROUNDED

REVISIONS		
CHK.	CHANGE NO.	REV.

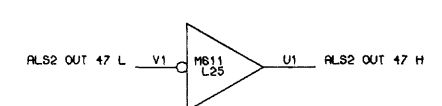
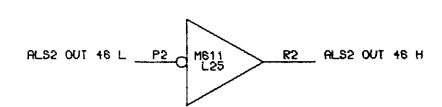
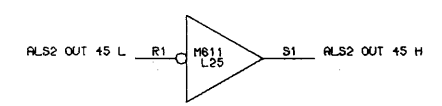
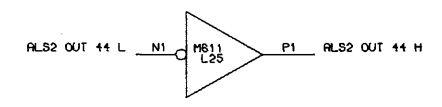
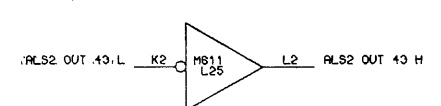
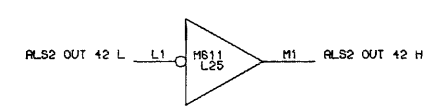
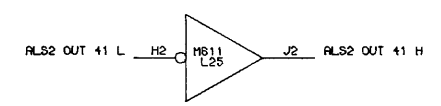
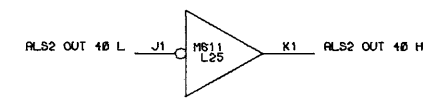
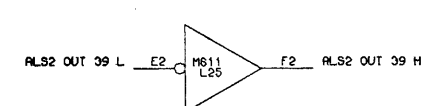
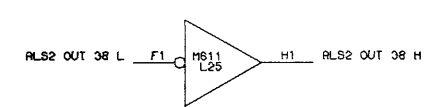
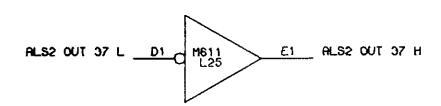
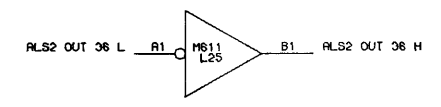
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED	DRN. <i>John Rogers</i>	DATE 12-6-71	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DIMENSION IN INCHES.	CHK'D. <i>John Rogers</i>	DATE 12-6-71		
TOLERANCES	ENG. <i>John Rogers</i>	DATE 1-21-72		
DECIMALS	PROJ. ENG. <i>John Rogers</i>	DATE 1-21-72		
ANGLES	PROD. <i>John Rogers</i>	DATE 1-21-72		
.XXX = .005			TITLE	
.XX = .02			RODER-LS41	
.X = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	///	NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH	///	B-DD-F PPI2-A	D BS	PPP12-A-ALS1
		SCALE NONE		REV.
		SHEET 1 OF 1	DIST.	

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MLS2 A 44 L	J1	A0	F0	U2	ALS2 OUT 47 L
MLS2 A 45 L	K1	A2	F1	S2	ALS2 OUT 46 L
MLS2 A 46 L	J2	A1	F2	M1	ALS2 OUT 45 L
MLS2 A 47 L	N1	A0	F0	R2	ALS2 OUT 44 L
MLS2 B 44 L	H2	B0	0	M2	ALS2 GEN 3 L
MLS2 B 45 L	H1	B2	P	P2	ALS2 PROP 3 L
MLS2 B 46 L	F2	B1	CN+4	N2	
MLS2 B 47 L	E2	B0	A-MSB	S1	
ALS2 BREG LSB4 L	L2	B SER	1B-LSB	F1	ALS2 BREG LSB3 L
ADEN CLOCK BLS42 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 2 H	P1	A INV			
ADEN STROBE ALS42 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS3 OUT 48 L	V2	D SERIAL			
ADEN CLOCK O'LS45 H	T2	D CLOCK			
ADEN ENAB SHFT O L	L1	D LOAD/SHIFT L			
AMLA C2 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 H	E1	X3			
ADEN S2 H	D1	X2			
ADEN S1 H	C1	X1			
ADEN S0 H	B1	X0			

MLS2 A 40 L	J1	A0	F0	U2	ALS2 OUT 43 L
MLS2 A 41 L	K1	A2	F1	S2	ALS2 OUT 42 L
MLS2 A 42 L	J2	A1	F2	M1	ALS2 OUT 41 L
MLS2 A 43 L	N1	A0	F0	R2	ALS2 OUT 40 L
MLS2 B 40 L	H2	B0	0	M2	ALS2 GEN 4 L
MLS2 B 41 L	H1	B2	P	P2	ALS2 PROP 4 L
MLS2 B 42 L	F2	B1	CN+4	N2	
MLS2 B 43 L	E2	B0	A-MSB	S1	
ALS2 BREG LSB5 L	L2	B SER	1B-LSB	F1	ALS2 BREG LSB4 L
ADEN CLOCK BLS42 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 1 H	P1	A INV			
ADEN STROBE ALS42 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS2 OUT 44 L	V2	D SERIAL			
ADEN CLOCK O'LS45 H	T2	D CLOCK			
ADEN ENAB SHFT O L	L1	D LOAD/SHIFT L			
AMLA CARRY 0 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 I H	E1	X3			
ADEN S2 I H	D1	X2			
ADEN S1 I H	C1	X1			
ADEN S0 I H	B1	X0			

MLS2 A 36 L	J1	A0	F0	U2	ALS2 OUT 39 L
MLS2 A 37 L	K1	A2	F1	S2	ALS2 OUT 38 L
MLS2 A 38 L	J2	A1	F2	M1	ALS2 OUT 37 L
MLS2 A 39 L	N1	A0	F0	R2	ALS2 OUT 36 L
MLS2 B 36 L	H2	B0	0	M2	ALS2 GEN 5 L
MLS2 B 37 L	H1	B2	P	P2	ALS2 PROP 5 L
MLS2 B 38 L	F2	B1	CN+4	N2	
MLS2 B 39 L	E2	B0	A-MSB	S1	
ALS2 BREG LSB5 L	L2	B SER	1B-LSB	F1	ALS2 BREG LSB4 L
ADEN CLOCK BLS42 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 1 H	P1	A INV			
ADEN STROBE ALS42 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALS2 OUT 40 L	V2	D SERIAL			
ADEN CLOCK O'LS45 H	T2	D CLOCK			
ADEN ENAB SHFT O L	L1	D LOAD/SHIFT L			
AMLA C3 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 I H	E1	X3			
ADEN S2 I H	D1	X2			
ADEN S1 I H	C1	X1			
ADEN S0 I H	B1	X0			



NOTE: IN LOCATION L25, PINS C1, M2 AND N2 ARE GROUNDED.

REVISIONS		
CHK.	CHANGE NO.	REV.

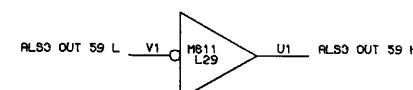
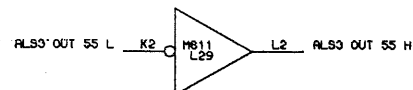
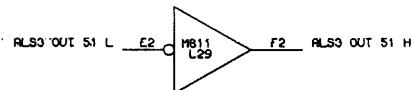
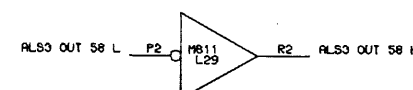
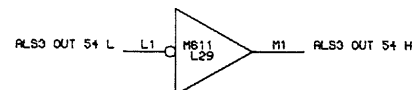
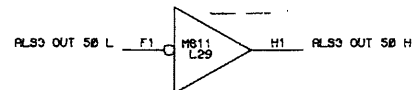
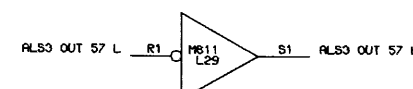
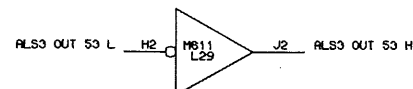
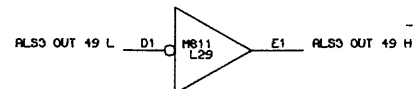
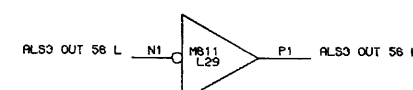
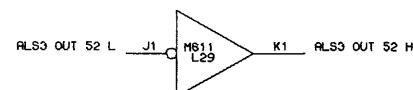
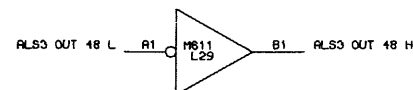
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN <i>[Signature]</i>	DATE 12/6/71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	CHK'D <i>[Signature]</i>	DATE 12-6-71		
ANGLES	ENG. <i>[Signature]</i>	DATE 1-25-72		
.XXX - .006 .XX - .02 .X - .1	PROJ. ENG. <i>[Signature]</i>	DATE 1-25-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. <i>[Signature]</i>	DATE 1-25-72	TITLE RODER-LS42	
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	B-DD-FPP12-A		0 B3	FPP12-A-ALS2
	SCALE NONE			
	SHEET 1 OF 1		DIST.	

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ALSO A 56 L	J1	A3	F8	U2	ALSO OUT 59 L
ALSO A 57 L	K1	A2	F1	S2	ALSO OUT 58 L
ALSO A 58 L	J2	A1	F2	M1	ALSO OUT 57 L
ALSO A 59 L	N1	A0	F3	R2	ALSO OUT 56 L
ALSO B 56 L	H2	B3	0	M2	ALSO GEN 0 L
ALSO B 57 L	H1	B2	P	P2	ALSO PROP 0 L
ALSO B 58 L	F2	B1	CN+4	N2	
ALSO B 59 L	E2	B0	A-MSB	S1	
ALSO BREG LSB1 L	L2	B SER	1B-LSB	F1	ALSO BREG LSB0 L
ADEN CLOCK BLSH3 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 2 H	P1	A INV			
ADEN STROBE ALSH3 L	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
+3 K28U1 H	V2	O SERIAL			
ADEN CLOCK O LSMS H	T2	O CLOCK			
ADEN ENAB SHFT O L	L1	O LOAD/SHIFT L			
ROB CARRY IN H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 H	E1	X3			
ADEN S2 H	D1	X2			
ADEN S1 H	C1	X1			
ADEN S0 H	B1	X0			

ALSO A 52 L	J1	A3	F8	U2	ALSO OUT 55 L
ALSO A 53 L	K1	A2	F1	S2	ALSO OUT 54 L
ALSO A 54 L	J2	A1	F2	M1	ALSO OUT 53 L
ALSO A 55 L	N1	A0	F3	R2	ALSO OUT 52 L
ALSO B 52 L	H2	B3	0	M2	ALSO GEN 1 L
ALSO B 53 L	H1	B2	P	P2	ALSO PROP 1 L
ALSO B 54 L	F2	B1	CN+4	N2	
ALSO B 55 L	E2	B0	A-MSB	S1	
ALSO BREG LSB2 L	L2	B SER	1B-LSB	F1	ALSO BREG LSB1 L
ADEN CLOCK BLSH3 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 2 H	P1	A INV			
ADEN STROBE ALSH3 H	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALSO OUT 56 L	V2	O SERIAL			
ADEN CLOCK O LSMS H	T2	O CLOCK			
ADEN ENAB SHFT O L	L1	O LOAD/SHIFT L			
ADEN C0 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 H	E1	X3			
ADEN S2 H	D1	X2			
ADEN S1 H	C1	X1			
ADEN S0 H	B1	X0			

ALSO A 48 L	J1	A3	F8	U2	ALSO OUT 51 L
ALSO A 49 L	K1	A2	F1	S2	ALSO OUT 50 L
ALSO A 50 L	J2	A1	F2	M1	ALSO OUT 49 L
ALSO A 51 L	N1	A0	F3	R2	ALSO OUT 48 L
ALSO B 48 L	H2	B3	0	M2	ALSO GEN 2 L
ALSO B 49 L	H1	B2	P	P2	ALSO PROP 2 L
ALSO B 50 L	F2	B1	CN+4	N2	
ALSO B 51 L	E2	B0	A-MSB	S1	
ALSO BREG LSB3 L	L2	B SER	1B-LSB	F1	ALSO BREG LSB2 L
ADEN CLOCK BLSH3 H	K2	B CLOCK	COMP	B2	
ADEN ENAB SHFT B L	D2	B LOAD/SHIFT L			
ADEN INVERT A 2 H	P1	A INV			
ADEN STROBE ALSH3 H	U1	A STROBE			
+3 K28U1 H	R1	A CLOCK			
ALSO OUT 52 L	V2	O SERIAL			
ADEN CLOCK O LSMS H	T2	O CLOCK			
ADEN ENAB SHFT O L	L1	O LOAD/SHIFT L			
ADEN C1 H	A1	CARRY IN			
ADEN INH CARRY H	V1	INHIBIT			
ADEN S3 H	E1	X3			
ADEN S2 H	D1	X2			
ADEN S1 H	C1	X1			
ADEN S0 H	B1	X0			

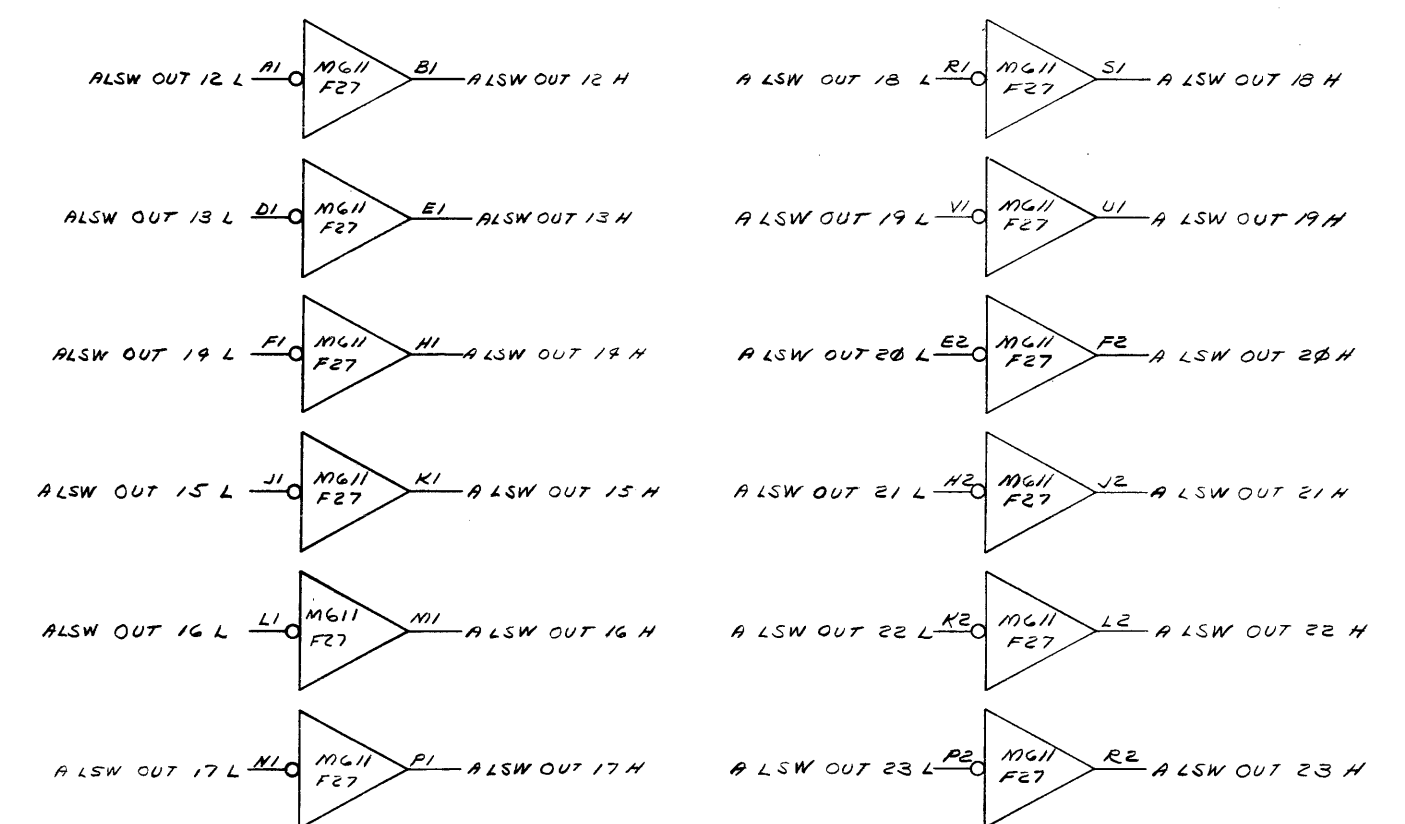


REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDF12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.	DRN. 727660	DATE 12/82	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	CHK'D 1/11/82	DATE 12-6-82		
DECIMALS .XXX = .006	ENG. 1/11/82	DATE 1-26-82		
.XX = .02	PROJ. ENG. 1/28/82	DATE 1-28-82		
.X = .1	PROD. 1/28/82	DATE 1-28-82	TITLE ADDER-LSW3	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	B-DD-1 PDF12-A		0 BS	FPP12-A-ALSO
	SCALE	NONE		REV.
	SHEET 1 OF 1	DIST.		

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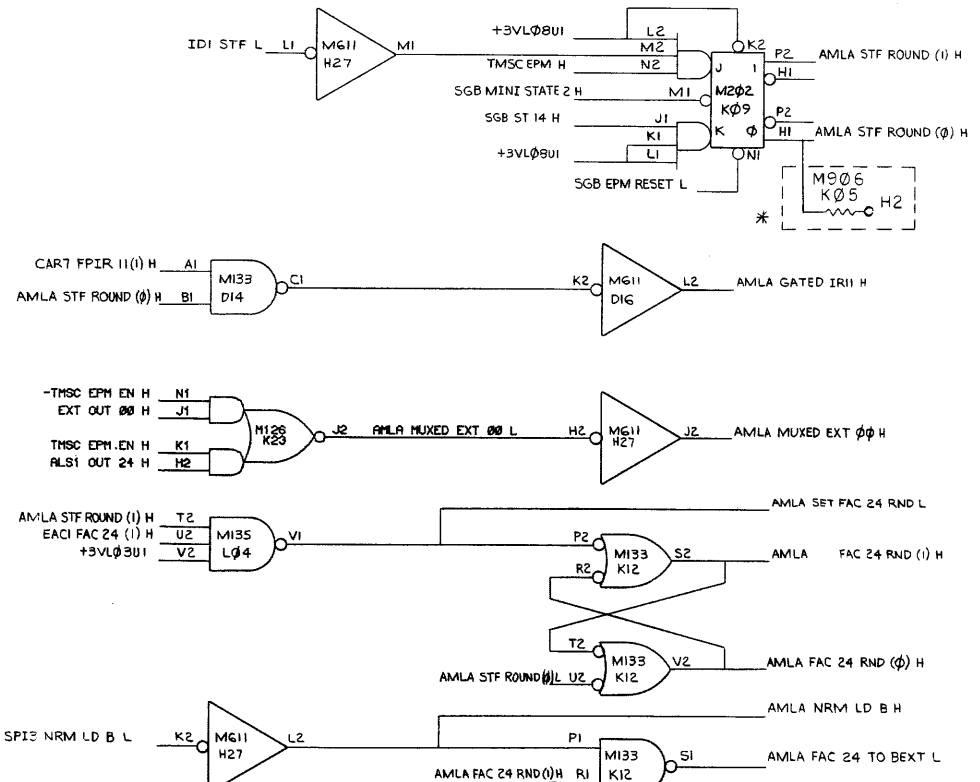
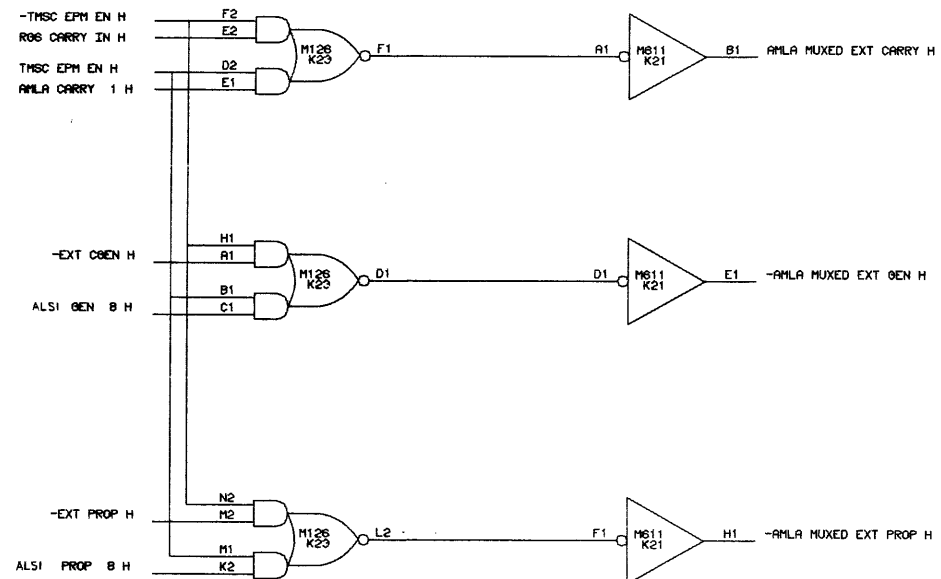
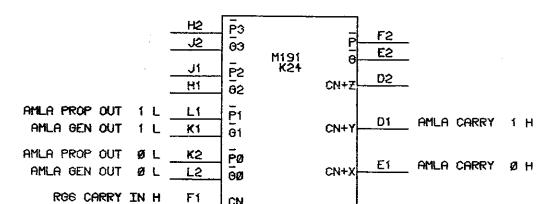
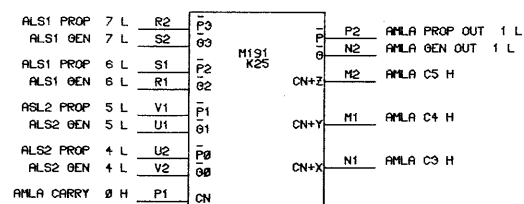
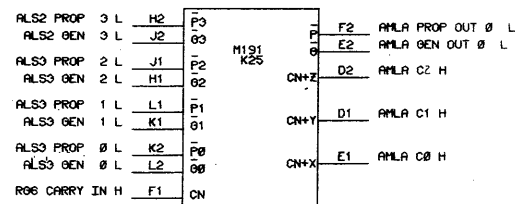
MLSW A20 L J1 A3 M190 F4 U2 ALSW OUT 23 L MLSW A21 L K1 A2 F24 F1 S2 ALSW OUT 22 L MLSW A22 L J2 A1 F2 M1 ALSW OUT 21 L MLSW A23 L N1 A4 F3 R2 ALSW OUT 20 L MLSW B20 L H2 B3 G3 M2 ALSW GEN 0 L MLSW B21 L H1 B2 P3 O2 ALSW PROP 0 L MLSW B22 L F2 B1 Cntd SI ALSW AREG MSB 0 H MLSW B23 L E2 B4 A-MSB FI ALSW BREG LSB 0 H ALSW BREG LSB 1 H LE B SER B-LSB RGI CLOCK LSW B H K2 B CLOCK COM RGI ENAB SHFT B L D2 B LOAD/SHFT L RGI INV A H P1 A INV H RGI STROBE ALSW L U1 A STROBE +3V H2SVI V2 A CLOCK AMLA MUXED EXT 00 L V2 O SERIAL RGI CLOCK O H LI O CLOCK RGI ENAB SHFT O L AI O LOAD/SHFT L EXT C0 H VI CARRY IN RGG INH CARRY H EI INHIBIT RGG S3 H DI X3 RGG S2 H CI X2 RGG S1 H BI X1 RGG S0 H BI X0	MLSW A16 L J1 A3 M190 F4 U2 ALSW OUT 19 L MLSW A17 L K1 A2 F25 F1 S2 ALSW OUT 18 L MLSW A18 L J2 A1 F2 M1 ALSW OUT 17 L MLSW A19 L N1 A4 F3 R2 ALSW OUT 16 L MLSW B16 L H2 B3 G3 M2 ALSW GEN 1 L MLSW B17 L H1 B2 P3 O2 ALSW PROP 1 L MLSW B18 L F2 B1 Cntd SI ALSW AREG MSB 1 H MLSW B19 L E2 B4 A-MSB FI ALSW BREG LSB 1 H ALSW BREG LSB 2 H LE B SER B-LSB RGI CLOCK LSW B H K2 B CLOCK COM RGI ENAB SHFT B L D2 B LOAD/SHFT L RGI INV A H P1 A INV H RGI STROBE A LSW L U1 A STROBE +3V H2SVI V2 A CLOCK A LSW OUT 20 L V2 O SERIAL RGI CLOCK O H LI O CLOCK RGI ENAB SHFT O L AI O LOAD/SHFT L EXT C1 H VI CARRY IN RGG INH CARRY H EI INHIBIT RGG S3 H DI X3 RGG S2 H CI X2 RGG S1 H BI X1 RGG S0 H BI X0	MLSW A12 L J1 A3 M190 F4 U2 ALSW OUT 15 L MLSW A13 L K1 A2 F26 F1 S2 ALSW OUT 14 L MLSW A14 L J2 A1 F2 M1 ALSW OUT 13 L MLSW A15 L N1 A4 F3 R2 ALSW OUT 12 L MLSW B12 L H2 B3 G3 M2 ALSW GEN 2 L MLSW B13 L H1 B2 P3 O2 ALSW PROP 2 L MLSW B14 L F2 B1 Cntd SI ALSW AREG MSB 2 H MLSW B15 L E2 B4 A-MSB FI ALSW BREG LSB 2 H ALSW BREG LSB 3 H LE B SER B-LSB RGI CLOCK LSW B H K2 B CLOCK COM RGI ENAB SHFT B L D2 B LOAD/SHFT L RGI INV A H P1 A INV H RGI STROBE A LSW L U1 A STROBE +3V H2SVI V2 A CLOCK ALSW OUT 16 L V2 O SERIAL RGI CLOCK O H LI O CLOCK RGI ENAB SHFT O L AI O LOAD/SHFT L EXT C2 H VI CARRY IN RGG INH CARRY H EI INHIBIT RGG S3 H DI X3 RGG S2 H CI X2 RGG S1 H BI X1 RGG S0 H BI X0
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FIRST USED ON OPTION / MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRAWN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE	
TOLERANCES	ENG	DATE	ADDER	
DECIMALS FRACTIONS ANGLES	PROLENG	DATE	LSW	
± .006 ± .164 ± .030	PROD.	DATE	SIZE CODE NUMBER REV	
FINAL SURFACE QUALITY	MATERIAL	DATE	DBSFPPI2-A-ALSW	
REMOVE BURRS AND BREAK SHARP CORNERS	FINISH	DATE	SHEET 1 OF 1	
			DST.	

REV	
CHG	
NO.	

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NOTE: THESE PINS ARE GROUNDED
K21M-
K21N-
K21C1
K23L

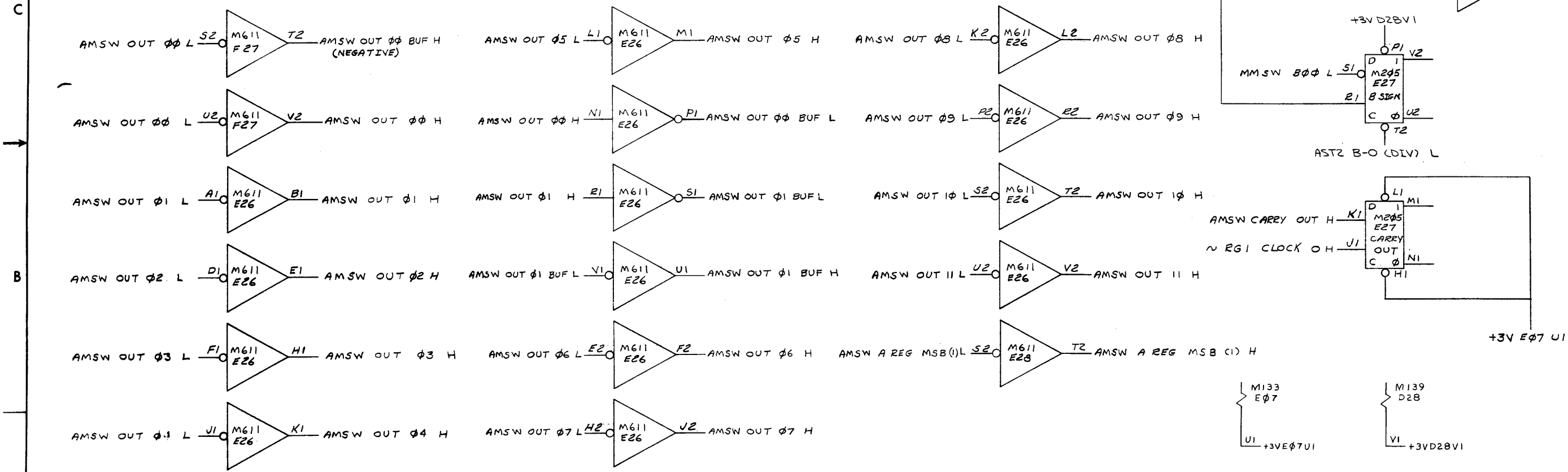
* EPM DISABLE MODULE

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN. <i>Rogus</i>	DATE 11/27/71	 ADDER MULT AND LOOK AHEAD LOGIC
TOLERANCES		CHK'D <i>B. L...</i>	DATE 12-2-71	
DECIMALS	ANGLES	ENG <i>M...</i>	DATE 1-25-72	
.XXX - .005	±0° 30'	PROJ. ENG. <i>M...</i>	DATE 1-27-72	
.XX - .02		PROD. <i>M...</i>	DATE 1-29-72	
.X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL		NEXT HIGHER ASSY.		
FINISH		B-DD-FPP12-A		
		SCALE NONE	SIZE CODE D BS	NUMBER FPP12-A-AMLA
		SHEET 1 OF 1	DIST.	REV.

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MMSW A08L	J1	A3	M190	F0	U2	AMSW	OUT 11L	MMSW A04L	J1	A3	M190	F0	U2	AMSW	OUT 07L	MMSW A00L	J1	A3	M190	F0	U2	AMSW	OUT 03L	
MMSW A09L	K1	A2	E23	F1	S2	AMSW	OUT 10L	MMSW A05L	K1	A2	E24	F1	S2	AMSW	OUT 06L	MMSW A01L	J2	A2	E25	F1	M1	AMSW	OUT 02L	
MMSW A10L	J2	A1		F2	M1	AMSW	OUT 09L	MMSW A06L	J2	A1		F2	M1	AMSW	OUT 05L	MMSW A02L	N1	A1		F2	M1	AMSW	OUT 01L	
MMSW A11L	N1	A0		F3	E2	AMSW	OUT 08L	MMSW A07L	N1	A0		F3	E2	AMSW	OUT 04L	MMSW A03L	H2	A0		F3	M2	AMSW	GEN 00L	
MMSW B00L	H2	B3		G	M2	AMSW	GEN 01L	MMSW B04L	H2	B3		G	M2	AMSW	GEN 4L	MMSW B01L	H1	B3		G	P2	AMSW	PROP 5L	
MMSW B01L	H1	B2		P	P2	AMSW	PROP 3L	MMSW B05L	H1	B2		P	P2	AMSW	PROP 4L	MMSW B02L	E2	B2		Cnt+4	N2	AMSW	A REG MSB 5L	
MMSW B10L	F2	B1		Cnt+4	N2	AMSW	A REG MSB 3H	MMSW B06L	F2	B1		Cnt+4	N2	AMSW	A REG MSB 4H	MMSW B03L	E2	B1		Cnt+4	N2	AMSW	A REG MSB 00H	
MMSW B11L	E2	B0		A-MSB	S1	AMSW	B REG LSB 3H	MMSW B07L	E2	B0		A-MSB	S1	AMSW	B REG LSB 4H	MMSW B04L	L2	B0		A-MSB	S1	AMSW	A REG MSB 00H	
AMSW BREG LSB4H	L2	B0		B-LSB	F1	AMSW	B REG LSB 3H	AMSW BREG LSB5H	L2	B0		B-LSB	F1	AMSW	B REG LSB 4H	AMSW B SIGN 00H	K2	B0		B SER	B-LSB	F1	AMSW	B REG LSB 5H
RG4 CLOCK B-MSWH	K2	B0		COMP	B2			RG4 CLOCK B-MSWH	K2	B0		COMP	B2			RG4 CLOCK B-MSWH	K2	B0		COMP	B2			
RG1 ENAB SHFT BL	D2	B	LOAD H/SHFTL	RG1 ENAB SHFT BL	D2	B	LOAD H/SHFTL	RG1 ENAB SHFT BL	D2	B	LOAD H/SHFTL	RG1 ENAB SHFT BL	D2	B	LOAD H/SHFTL	RG1 ENAB SHFT BL	D2	B	LOAD H/SHFTL					
RG1 INV AL	P1	A	INV	RG1 INV AL	P1	A	INV	RG1 INV AL	P1	A	INV	RG1 INV AL	P1	A	INV	RG1 INV AL	P1	A	INV					
RG4 STROBE A-MSW L	U1	A	STROBE	RG4 STROBE A-MSW L	U1	A	STROBE	RG4 STROBE A-MSW L	U1	A	STROBE	RG4 STROBE A-MSW L	U1	A	STROBE	RG4 STROBE A-MSW L	U1	A	STROBE					
+3V H25V1	R1	A	CLOCK	+3V H25V1	R1	A	CLOCK	+3V H25V1	R1	A	CLOCK	+3V H25V1	R1	A	CLOCK	+3V H25V1	R1	A	CLOCK					
ALSW OUT 12 L	V2	O	SERIAL	ALSW OUT 12 L	V2	O	SERIAL	ALSW OUT 12 L	V2	O	SERIAL	ALSW OUT 12 L	V2	O	SERIAL	ALSW OUT 12 L	V2	O	SERIAL					
RG1 CLOCK 0 H	T2	O	CLOCK	RG1 CLOCK 0 H	T2	O	CLOCK	RG1 CLOCK 0 H	T2	O	CLOCK	RG1 CLOCK 0 H	T2	O	CLOCK	RG1 CLOCK 0 H	T2	O	CLOCK					
RG1 ENAB SHFT 0 L	L1	O	LOAD H/SHFTL	RG1 ENAB SHFT 0 L	L1	O	LOAD H/SHFTL	RG1 ENAB SHFT 0 L	L1	O	LOAD H/SHFTL	RG1 ENAB SHFT 0 L	L1	O	LOAD H/SHFTL	RG1 ENAB SHFT 0 L	L1	O	LOAD H/SHFTL					
EXT C 3 H	A1	C	CARRY IN	EXT C 3 H	A1	C	CARRY IN	EXT C 3 H	A1	C	CARRY IN	EXT C 3 H	A1	C	CARRY IN	EXT C 3 H	A1	C	CARRY IN					
RG6 INH CARRY H	V1	I	INHIBIT	RG6 INH CARRY H	V1	I	INHIBIT	RG6 INH CARRY H	V1	I	INHIBIT	RG6 INH CARRY H	V1	I	INHIBIT	RG6 INH CARRY H	V1	I	INHIBIT					
RG6 S3 H	E1	X	3	RG6 S3 H	E1	X	3	RG6 S3 H	E1	X	3	RG6 S3 H	E1	X	3	RG6 S3 H	E1	X	3					
RG6 S2 H	D1	X	2	RG6 S2 H	D1	X	2	RG6 S2 H	D1	X	2	RG6 S2 H	D1	X	2	RG6 S2 H	D1	X	2					
RG6 S1 H	C1	X	1	RG6 S1 H	C1	X	1	RG6 S1 H	C1	X	1	RG6 S1 H	C1	X	1	RG6 S1 H	C1	X	1					
RG6 S0 H	B1	X	0	RG6 S0 H	B1	X	0	RG6 S0 H	B1	X	0	RG6 S0 H	B1	X	0	RG6 S0 H	B1	X	0					

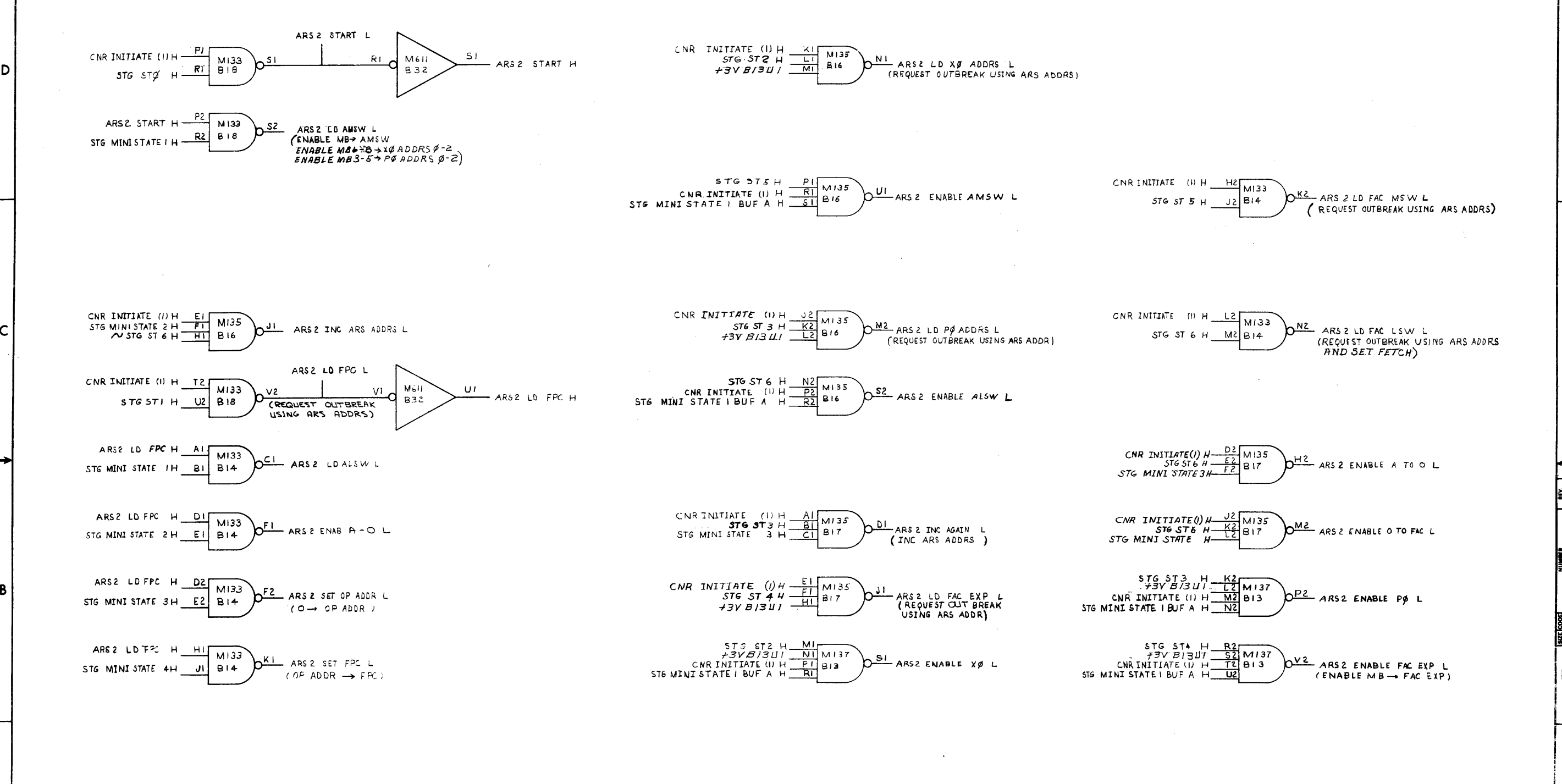


REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION / MODEL PDP 12-	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHN'D	DATE	TITLE	
- DIMENSION IN INCHES			ADDER - MSW	
TOLERANCES	END	DATE	REV.	
DECIMALS FRACTIONS ANGLES	PROJ. ENGS.	DATE	D B S F P P 12 - A - A M S W	
± .005 ± 1/64 ± 0°30'	PROD.	DATE	SCALE	
FINAL SURFACE QUALITY			SHEET 1 OF 1	
REMOVE BURRS AND BREAK SHARP CORNERS			DIST.	
MATERIAL	NEXT HIGHER ASSY			
FINISH				

REV. NUMBER D B S F P P 12 - A - A M S W

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REV.	CHG.	NO.

DEC FORM NO. DRD 102A

FIRST USED ON OPTION/MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE	 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES	ENG.	DATE		
TOLERANCES	PROJ. ENG.	DATE		
DECIMALS FRACTIONS ANGLES	PROD.	DATE		
± .005 ± 1/64 ± 0°30'	REMOVE BURRS AND BREAK SHARP CORNERS		TITLE INITIATE	
MATERIAL	NEXT HIGHER A/SY		SIZE CODE	NUMBER
			B-DD-FPPI2-A	DBS FPPI2-A-ARS2
FINISH	SCALE		SHEET	REV.
			1 OF 1	

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8

7

6

5

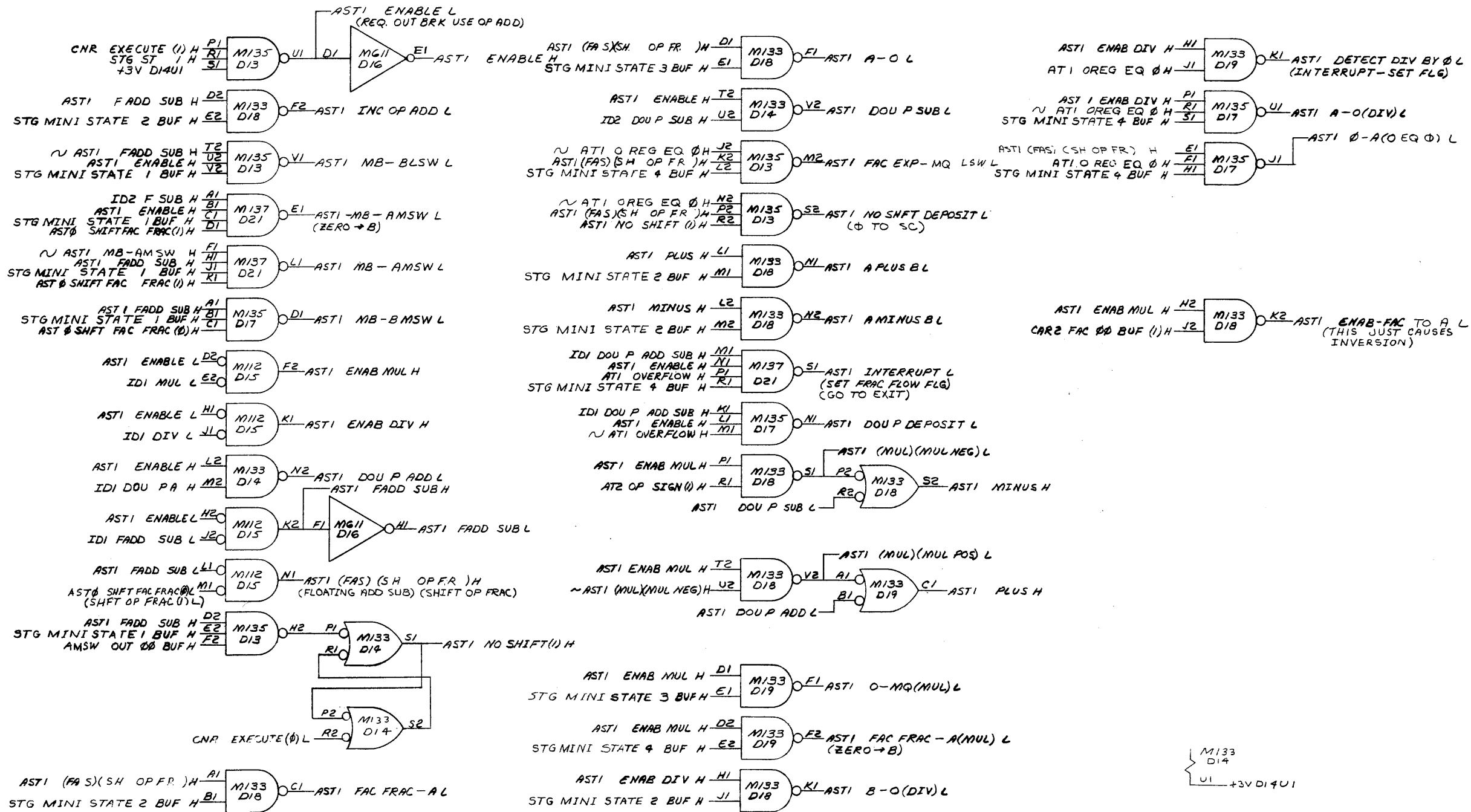
4

3

REV 1 FPP12-A-AST 1

2

1



M133 D14
U1 +3V D14U1

REV	
CHK	
CHG	
NO.	

FIRST USED ON OPTION/MODEL FDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN	DATE	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED TOLERANCES	CHK'D	DATE	TITLE ARITHMETIC STATE ONE	
DECIMALS FRACTIONS ANGLES	ENG.	DATE	SIZE/CODE NUMBER REV.	
± .005 ± 1/64 ± 0°30'	PROJ. ENG.	DATE	D13 FPP12-A-AST 1	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROD.	DATE	SCALE NONE SHEET 1 OF 1	
MATERIAL	B-DD-FPP 12-A		DIST.	
FINISH				

8

7

6

5

4

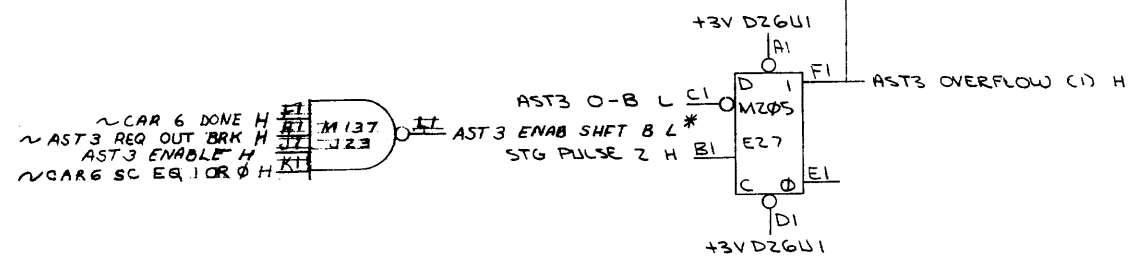
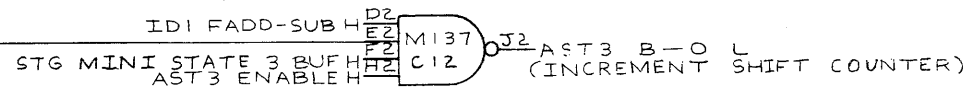
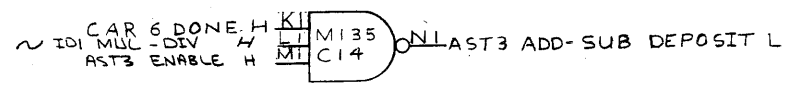
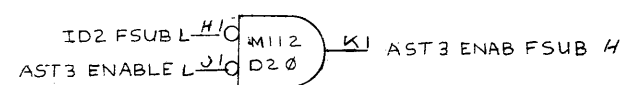
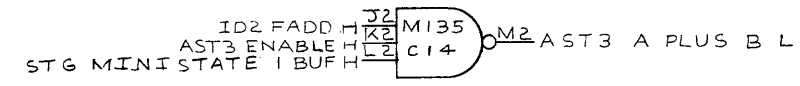
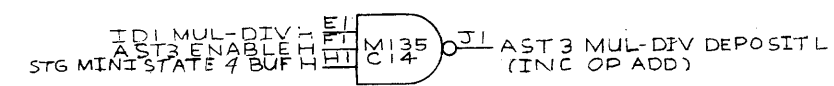
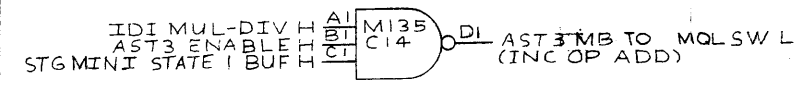
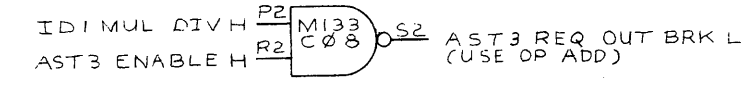
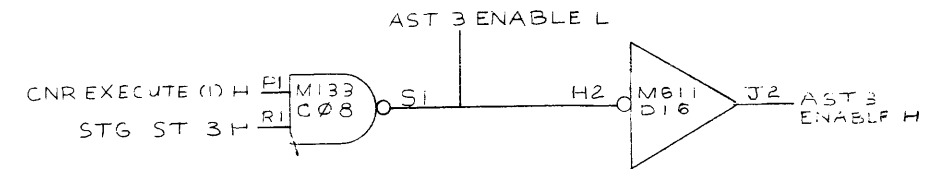
3

2

1

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D
C
B
A



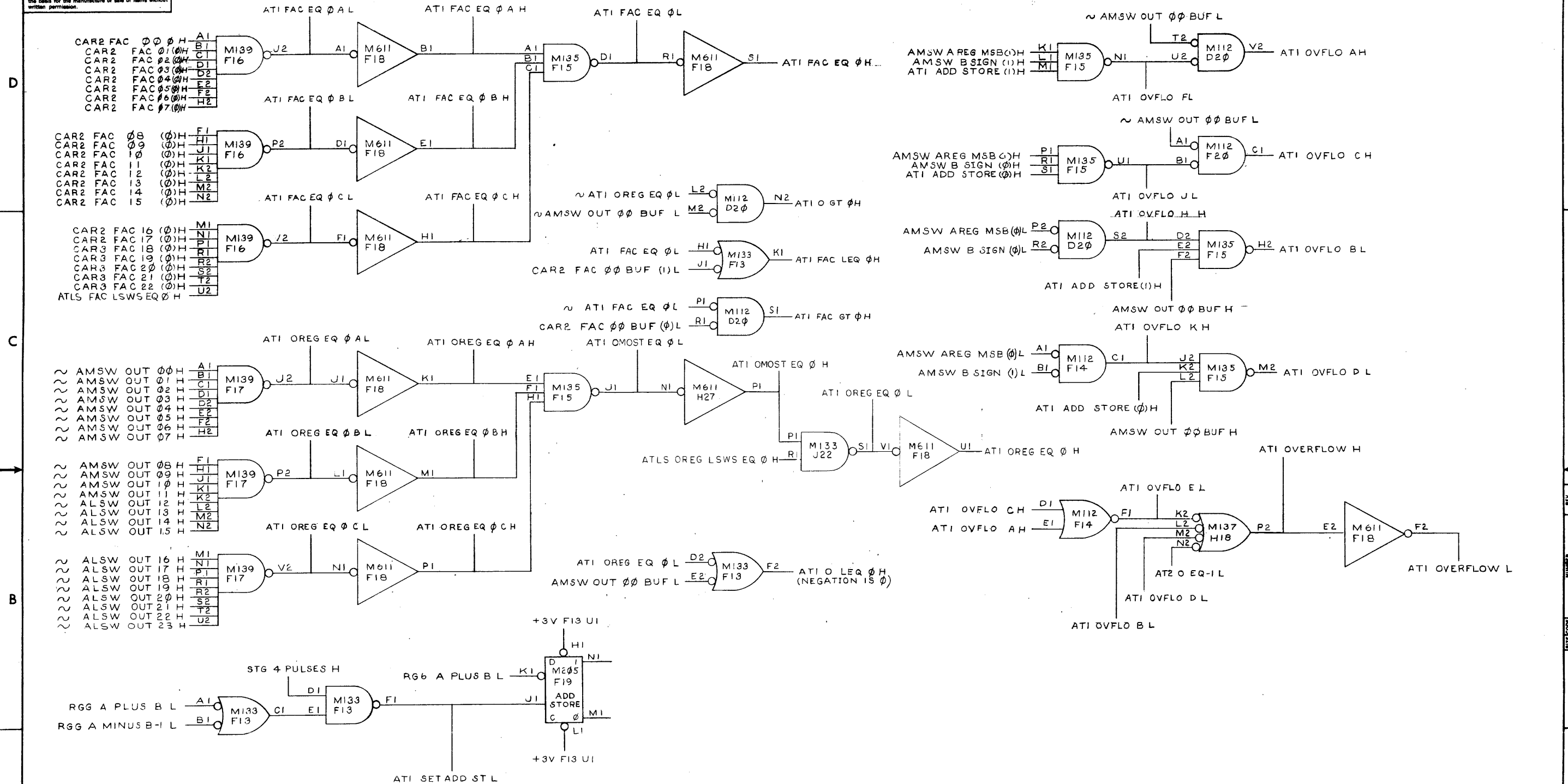
M133
D26
U1 - 3402801

*(SIG. AST3 ENAB SHFT B L PERMITS SHIFTING OF B UNTIL SHIFT COUNTER=0 WHEN ALIGNING A NUMBER DURING A FLOATING ADD OR SUBTRACT. THE SHIFT COUNTER STARTS NEGATIVE AD INCREMENTS TO 0, SIG. ~ CAR 6 SC EQ 1 OR 0 H HAS FEWER GATE DELAYS THAN ~ CAR 6 DONE H.)

REV.	
CHANGE NO.	
NO.	
CHK	
REVISIONS	

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION
PDP12		
UNLESS OTHERWISE SPECIFIED	DRN	DATE
UNLESS OTHERWISE SPECIFIED	CHR'D	DATE
DIMENSION IN INCHES	ENG	DATE
TOLERANCES		
DECIMALS FRACTIONS ANGLES	PROJ ENG	DATE
± .005 ± 1/64 ± 0°30'	PROD	DATE
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL		
FINISH		
SCALE		
SHEET	OF	

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REV.	CHG.	NO.

DEC FORM NO. DRD 102A

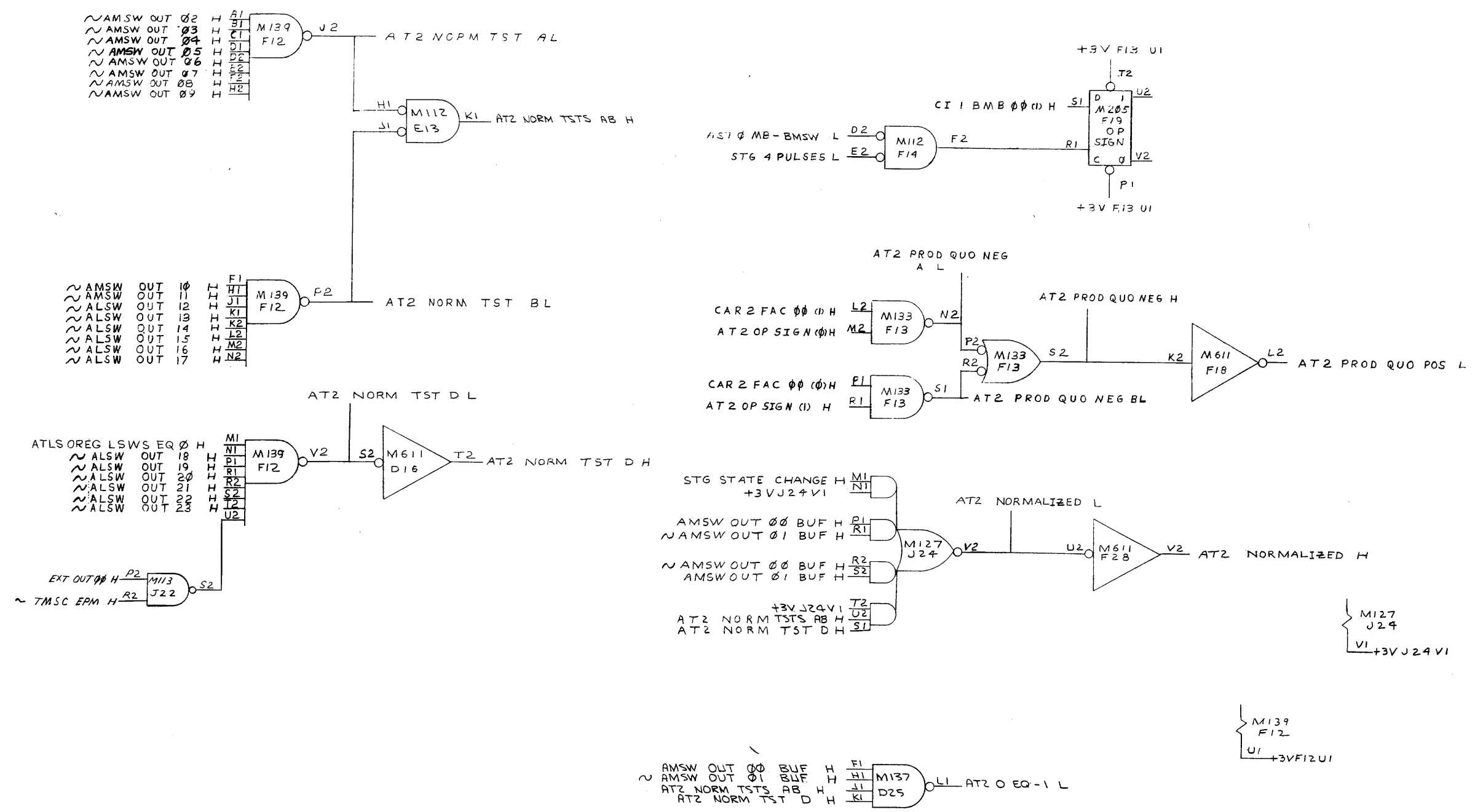
FIRST USED ON OPTION MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN <i>W. G. Cole</i>	DATE 10-26-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	ENG. <i>W. G. Cole</i>	DATE 1-24-72	TITLE ARITHMETIC TESTS I	
DECIMALS ± .005	PROJ. ENG. <i>W. G. Cole</i>	DATE 1-26-72	MATERIAL NEXT HIGHER ASSY	
FRACTIONS ± 1/64	PROD. <i>W. G. Cole</i>	DATE 1-29-72	FINISH B-DD-FPPI2-A	
ANGLES ± 0°30'			SCALE NONE	SIZE CODE D BS
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 1 OF 1	NUMBER FPPI2-A-ATI
				REV.

REV. NUMBER
FPPI2-A-ATI

B

A

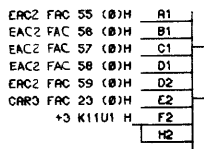
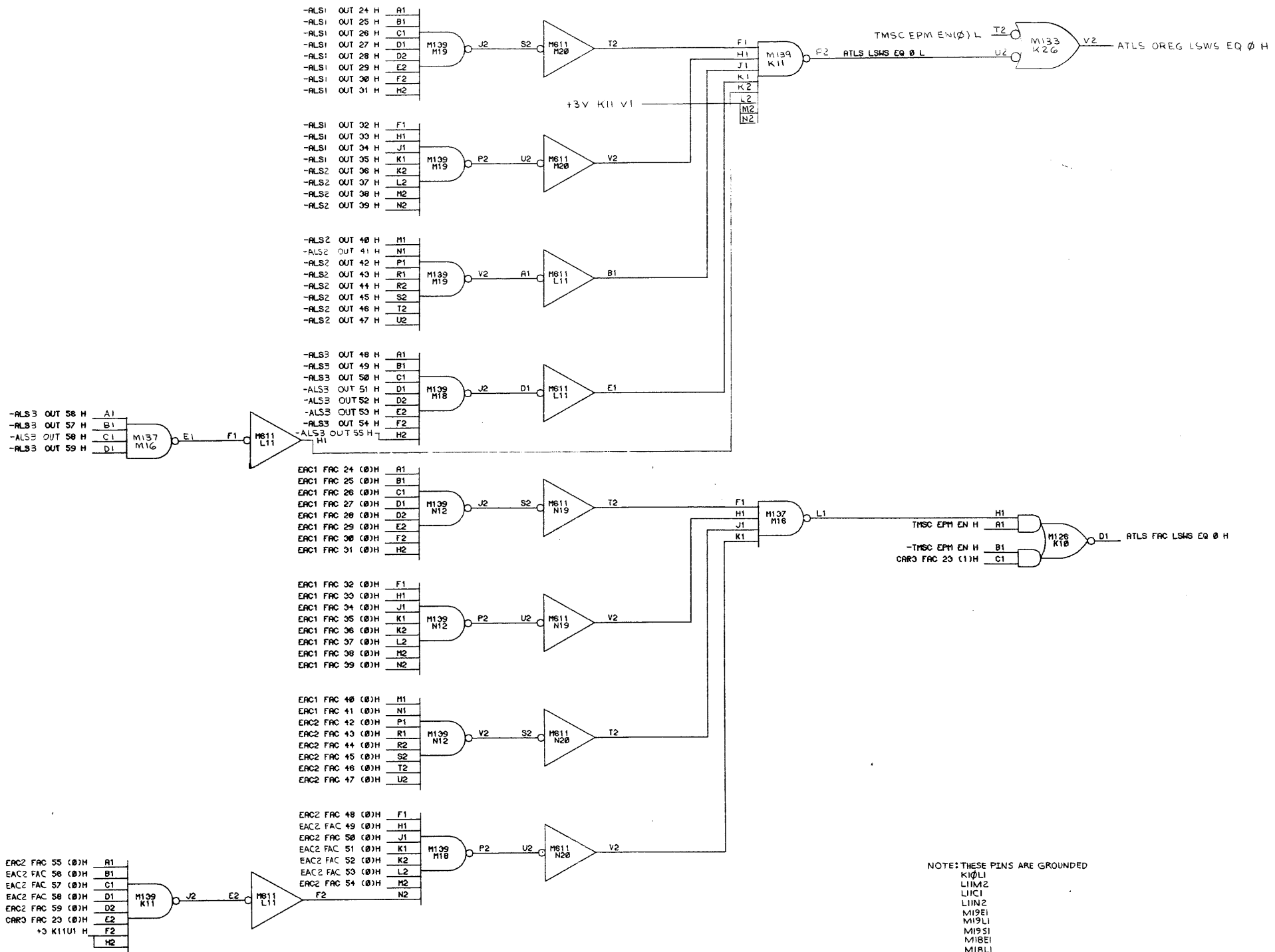
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REV. A	CHANGE NO. FPP12-A-0005	REV. 1/24/72
CHK. J. Chavira	DATE 1-17-72	DESIGNER J. Chavira
DRN. J. Chavira	DATE 1-17-72	DESIGNER J. Chavira
ENR. M. J. ...	DATE 1-28-72	DESIGNER M. J. ...
PROJ. ENG. ...	DATE 1-28-72	DESIGNER ...
PROD. M. D. ...	DATE 1-28-72	DESIGNER ...

FIRST USED ON OPTION MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. J. Chavira	DATE 1-28-72	digital CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D. J. Chavira	DATE 1-24-72	TITLE ARITHMETIC TEST TWO	
DIMENSION IN INCHES	ENR. M. J. ...	DATE 1-28-72	SCALE NONE	
TOLERANCES	PROJ. ENG. ...	DATE 1-28-72	NUMBER DBS FPP12-A-AT2	
DECIMALS FRACTIONS ANGLES	PROD. M. D. ...	DATE 1-28-72	REV. A	
± .005 ± 1/64 ± 0°30'	NEXT HIGHER ASSY B-DD-FPP12-A			
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	FINISH ++			
MATERIAL ++	SCALE NONE			
FINISH ++	SHEET 1 OF 1			

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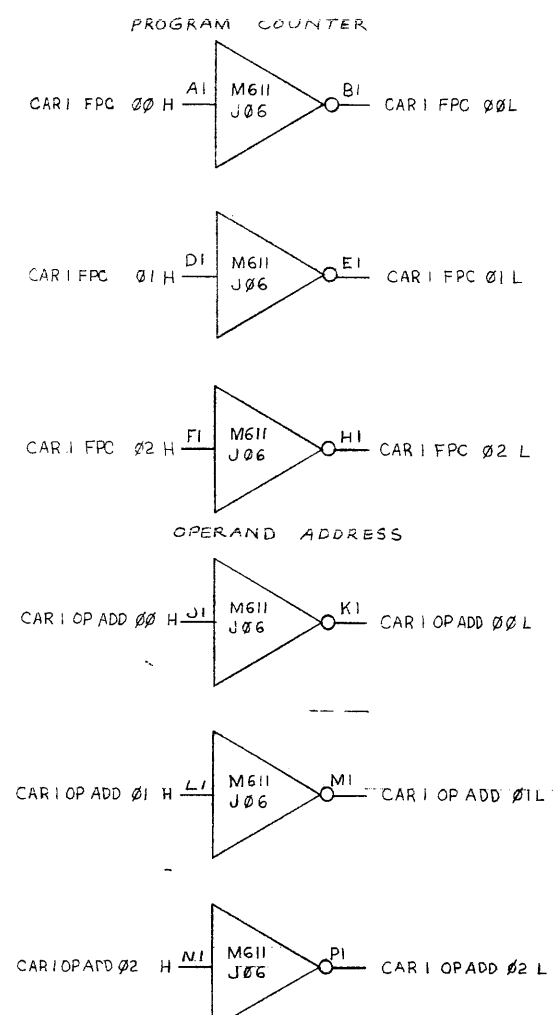
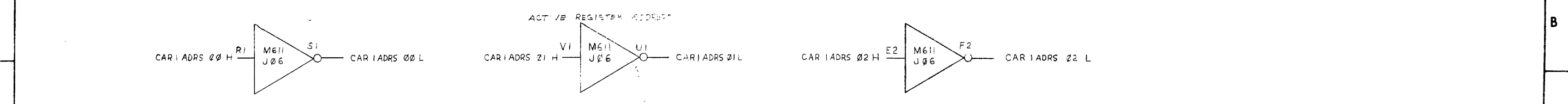
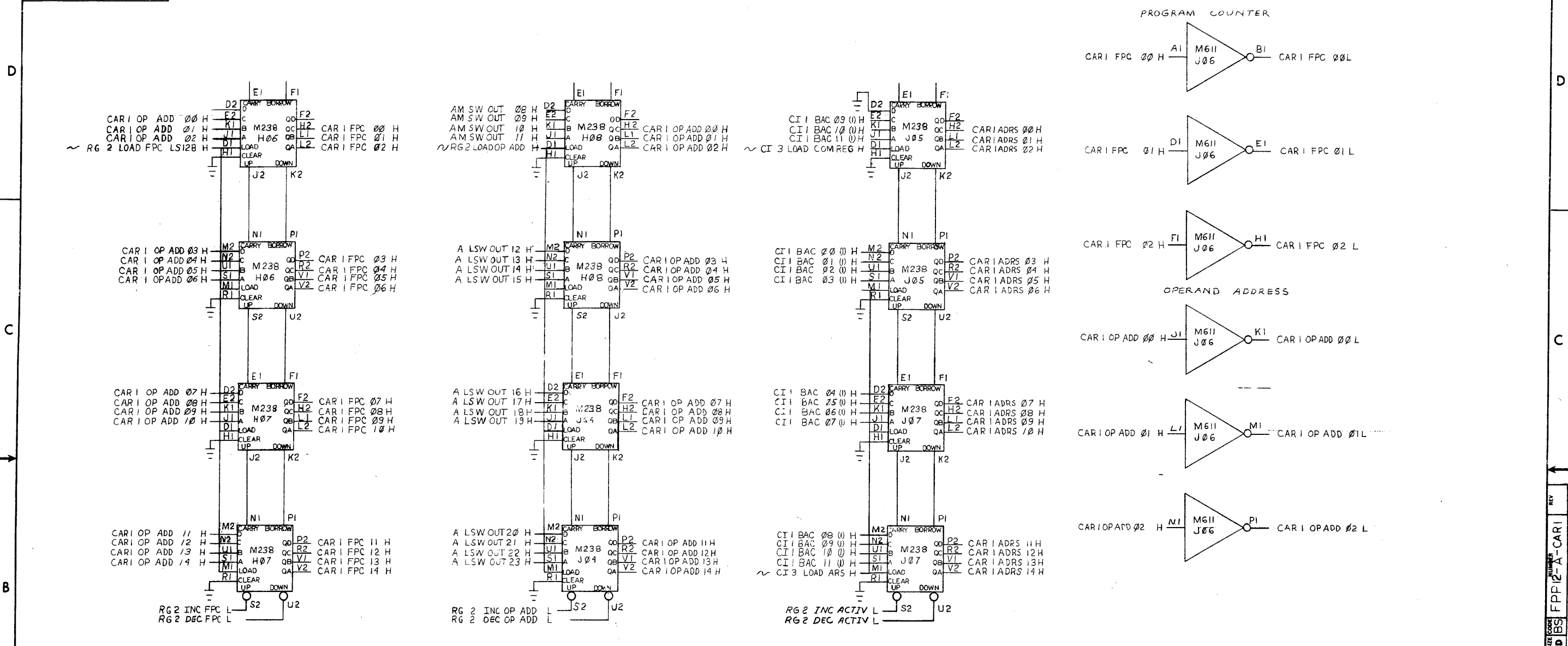
NOTE: THESE PINS ARE GROUNDED
 K10L1
 L1M2
 L1H1
 L1N2
 M19E1
 M19L1
 M19S1
 M18E1
 M18L1
 M18S1
 K1E1
 K1I1
 K1I2

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>John Lopez</i>	DATE 2-6-71	digital EQUIPMENT CORPORATION MAYFORD MASSACHUSETTS	
TOLERANCES	CHK'D. <i>R. Brown</i>	DATE 12-6-70		
DECIMALS .XXX = .006 .XX = .02 .X = .1	ANGLES ± 0° 30'	ENG. <i>R. Brown</i>	DATE 1-27-71	TITLE ARITHMETIC TESTS LSWS (EXTENDED MODE)
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROJ. ENG. <i>R. Brown</i>	DATE 1-27-71	PROD. <i>M. J. Giguere</i>	
MATERIAL	///	NEXT HIGHER ASSY.	B-DD-FPPI2-A	REV. 1
FINISH	///	SCALE NONE	D 88	NUMBER FPP12-A-ATLS
		SHEET 1 OF 1	DIST.	

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BS FPP12-A-CAR1



REV	CHANGE NO.

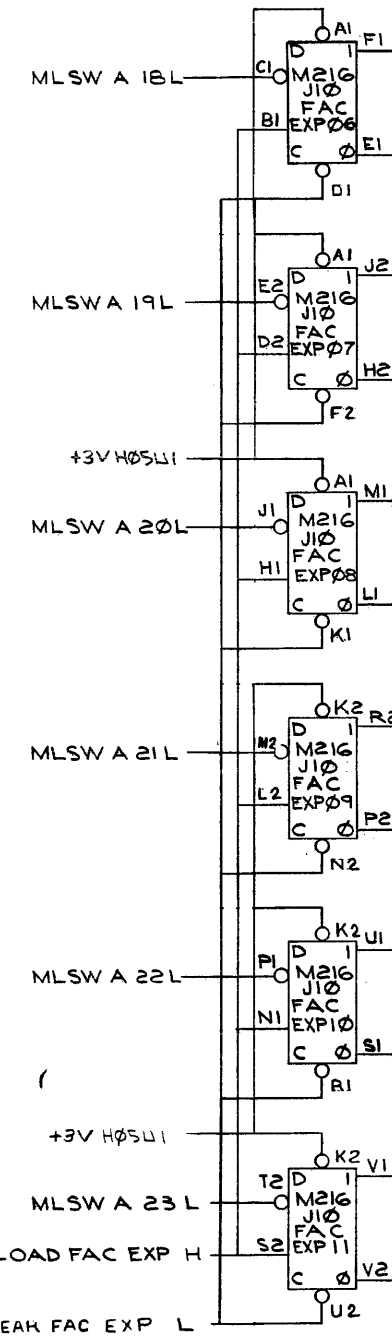
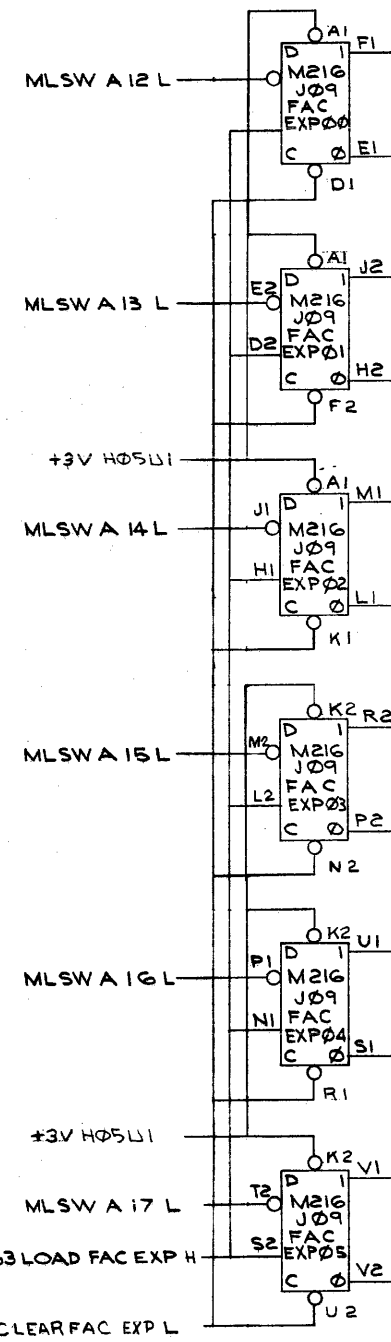
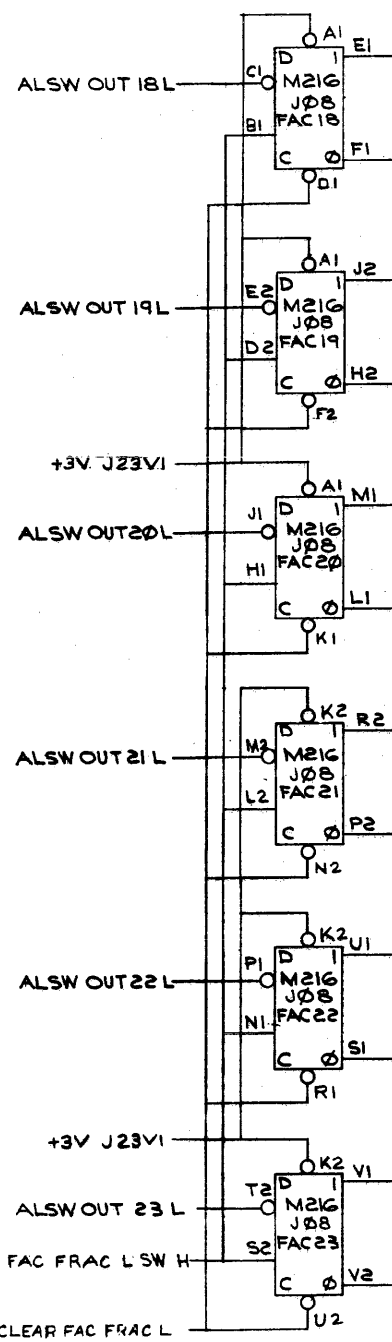
FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-12				
UNLESS OTHERWISE SPECIFIED				
DRN		DATE		
CHK'D		DATE		
ENG		DATE		
PROJ. ENG.		DATE		
PROD.		DATE		
MATERIAL				
FINISH				

digital EQUIPMENT CORPORATION
NATYARD MASSACHUSETTS

TITLE
COUNTERS AND REGISTERS I

SIZE CODE: D
NUMBER: FPP12-A-CAR1
REV:

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M112
H05
U1 +3VH05U1

REVISIONS	NO.	REV.
CHK	CHANGE NO.	

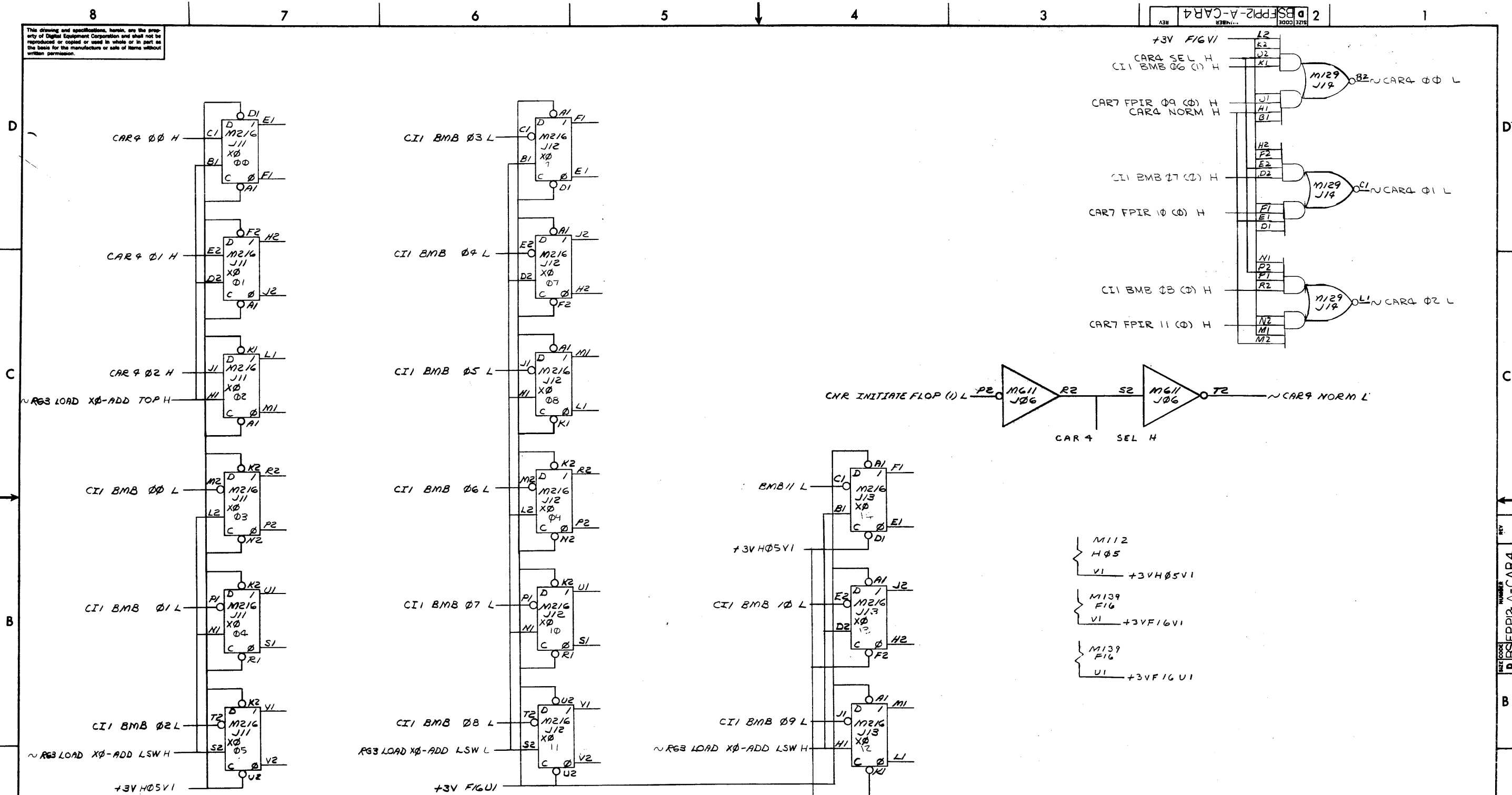
FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
UNLESS OTHERWISE SPECIFIED		DRN	DATE	
DIMENSION IN INCHES		CHK'D	DATE	
TOLERANCES		ENG	DATE	
DECIMALS FRACTIONS ANGLES		PROJ ENG	DATE	
= .005 = 1/64 = 0°30'		BROD	DATE	
FINAL SURFACE QUALITY		MFG	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASSY			
FINISH	B-DD-FPP12-A			
SCALE			SIZE CODE	NUMBER
SHEET 1 OF 1			DBS	FPP12-A-CAR3
			DIST.	REV.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
COUNTERS AND REGISTERS 3

REV. 2 DBS FPP12-A-CAR3

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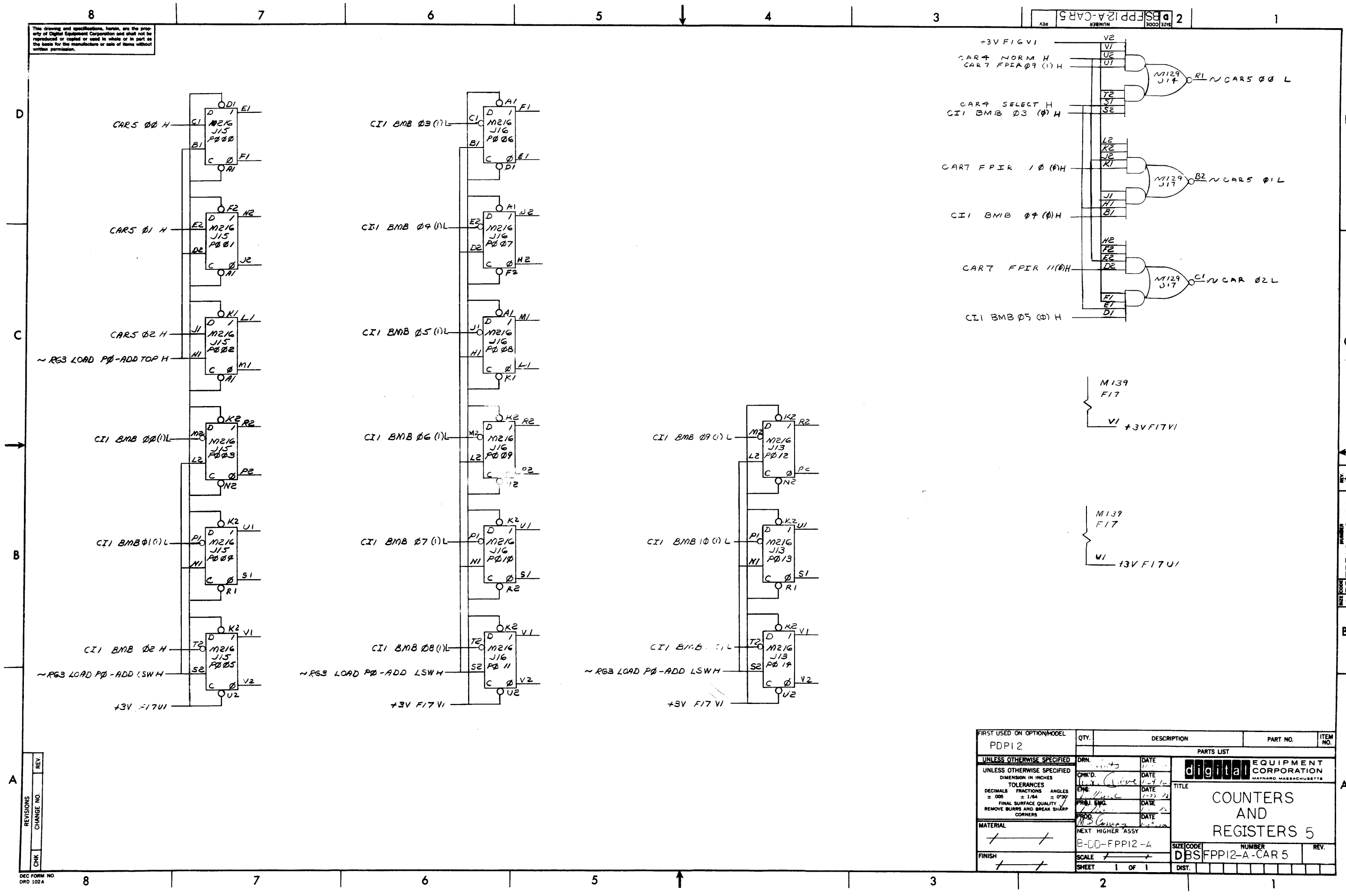
- M112
H05
V1 +3VH05V1
- M139
F16
V1 +3VF16V1
- M139
F16
U1 +3VF16U1

REV.	
CHG.	
CHK.	

FIRST USED ON OPTION/MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
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. 12-11	DATE 12-11-70	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
MATERIAL / /	CHK'D. C. G. G.	DATE 1-24-70		
FINISH / /	PROJ. ENG. L. G. G.	DATE 1-24-70		
	PROD. M. D. G.	DATE 1-24-70		
NEXT HIGHER ASSY E-DD-FPPI2-A			SIZE/CODE DBS	NUMBER FPPI2-A-CAR4
SCALE SHEET 1 OF 1			DIST.	REV.

REV. NUMBER DBSFPPI2-A-CAR4

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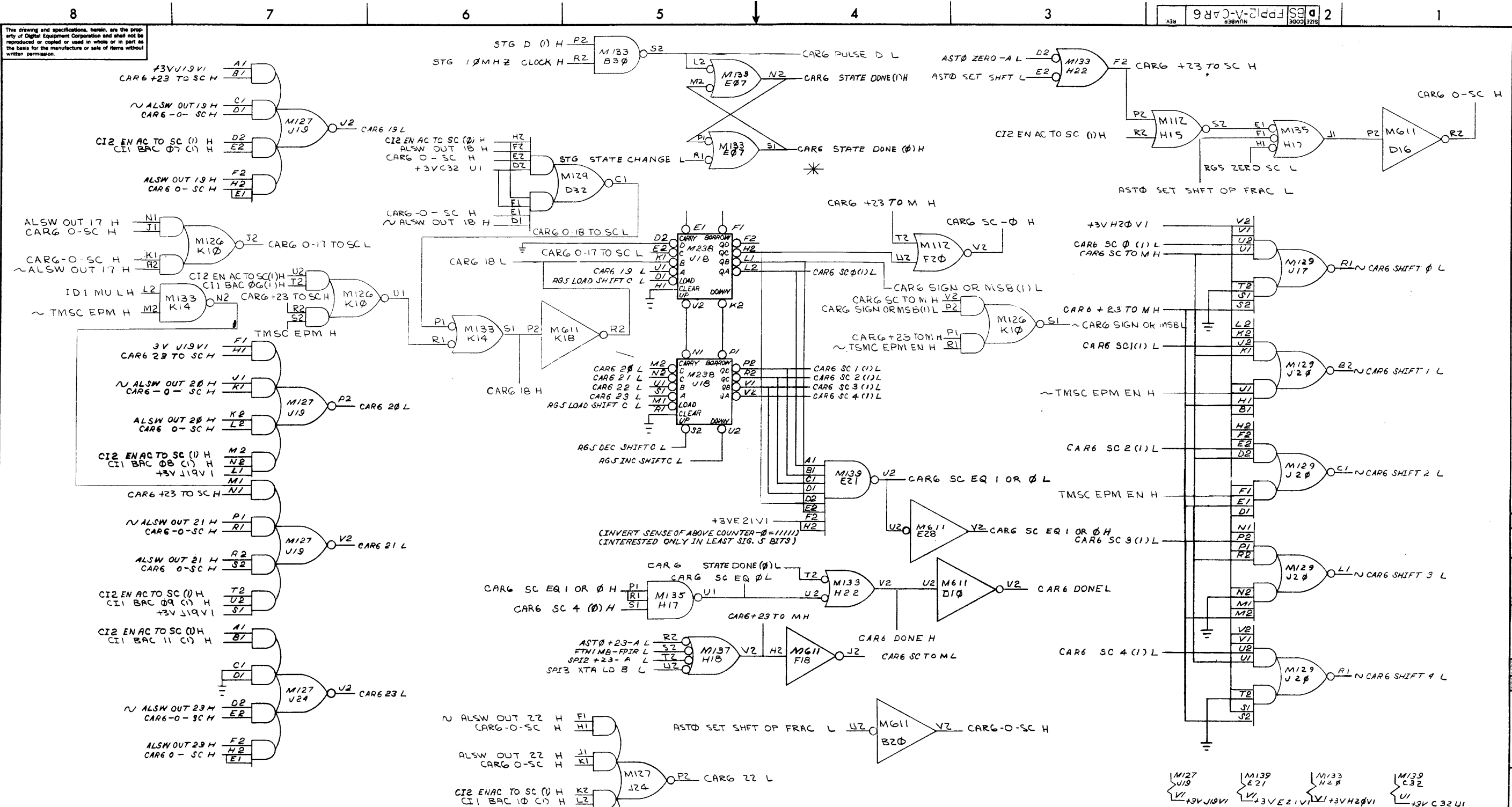
M139 F17
V1 +3VF17V1

M139 F17
W1 13VF17U1

REVISIONS	REV
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL PDPI2	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES	CHK'D.	DATE	TITLE COUNTERS AND REGISTERS 5	
TOLERANCES	ENG.	DATE	SIZE/SCALE DBSFPPI2-A-CAR5	
DECIMALS FRACTIONS ANGLES	PROJ. ENG.	DATE	NUMBER REV.	
± .005 ± .1/64 ± .030	PROD.	DATE	SHEET 1 OF 1	
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS	NEXT HIGHER ASSY B-CD-FPPI2-A			
MATERIAL	SCALE			
FINISH	DIST.			

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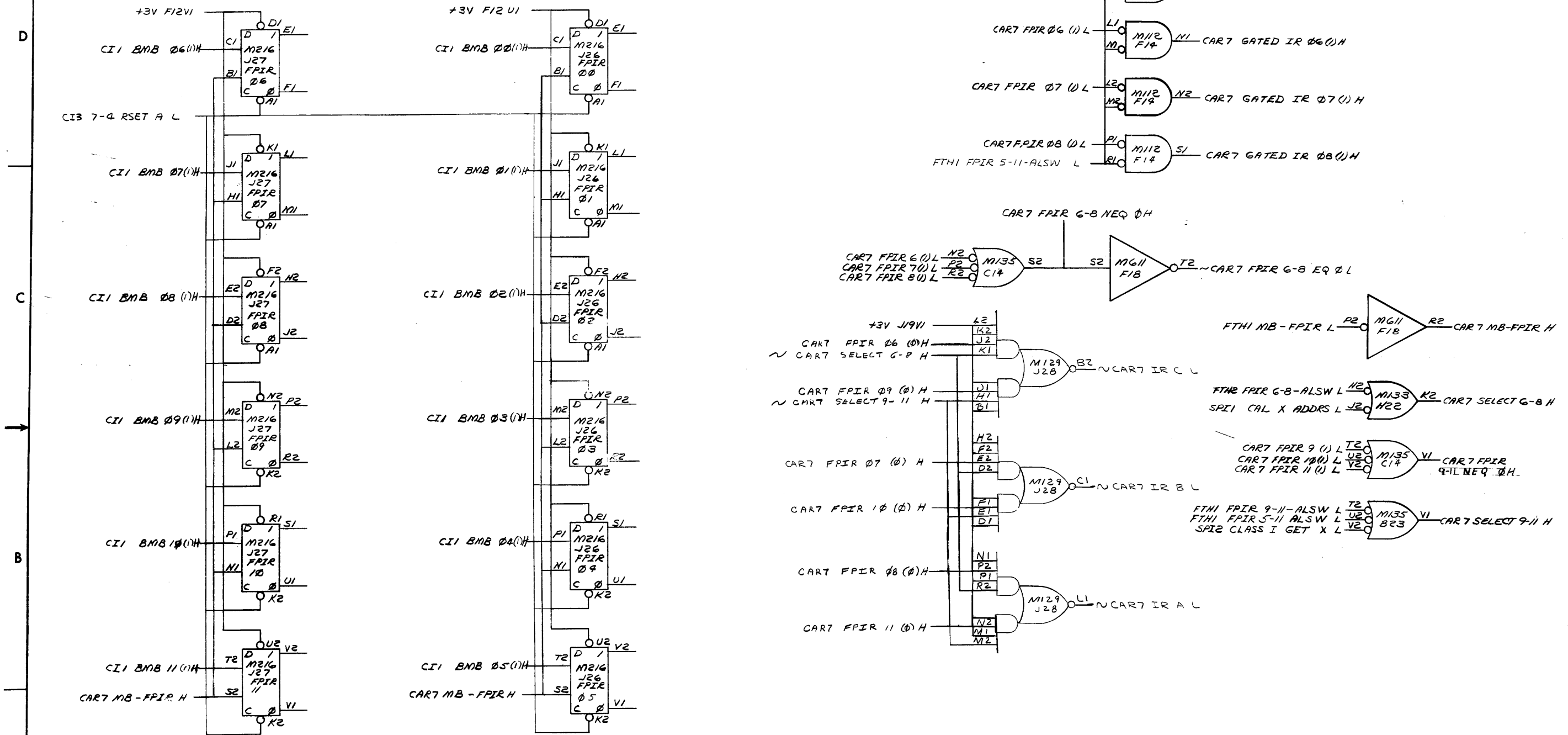


* THE SIG. CAR6 STATE DONE (0) L IS USED TO MAINTAIN CAR6 DONE H FOR 1/2 CLOCK CYCLE AFTER STG STATE CHANGE L VANISHES

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRY:	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D:	DATE	TITLE	
DIMENSION IN INCHES	ENG:	DATE	COUNTERS & REGISTERS 6 (SHIFT 0)	
TOLERANCES	PROJ. ENG:	DATE	SIZE CODE	
DECIMALS FRACTIONS ANGLES	PROD.:	DATE	NUMBER	
± .005 ± 1/64 ± 0°30'			REV.	
FINAL SURFACE QUALITY			D B S F P P 1 2 - A - C A R 6	
REMOVE BURRS AND BREAK SHARP CORNERS			DIST.	
MATERIAL	NEXT HIGHER ASSY		SHEET	
FINISH	SCALE	NONE	OF	

REV.	CHANGE NO.	REVISIONS

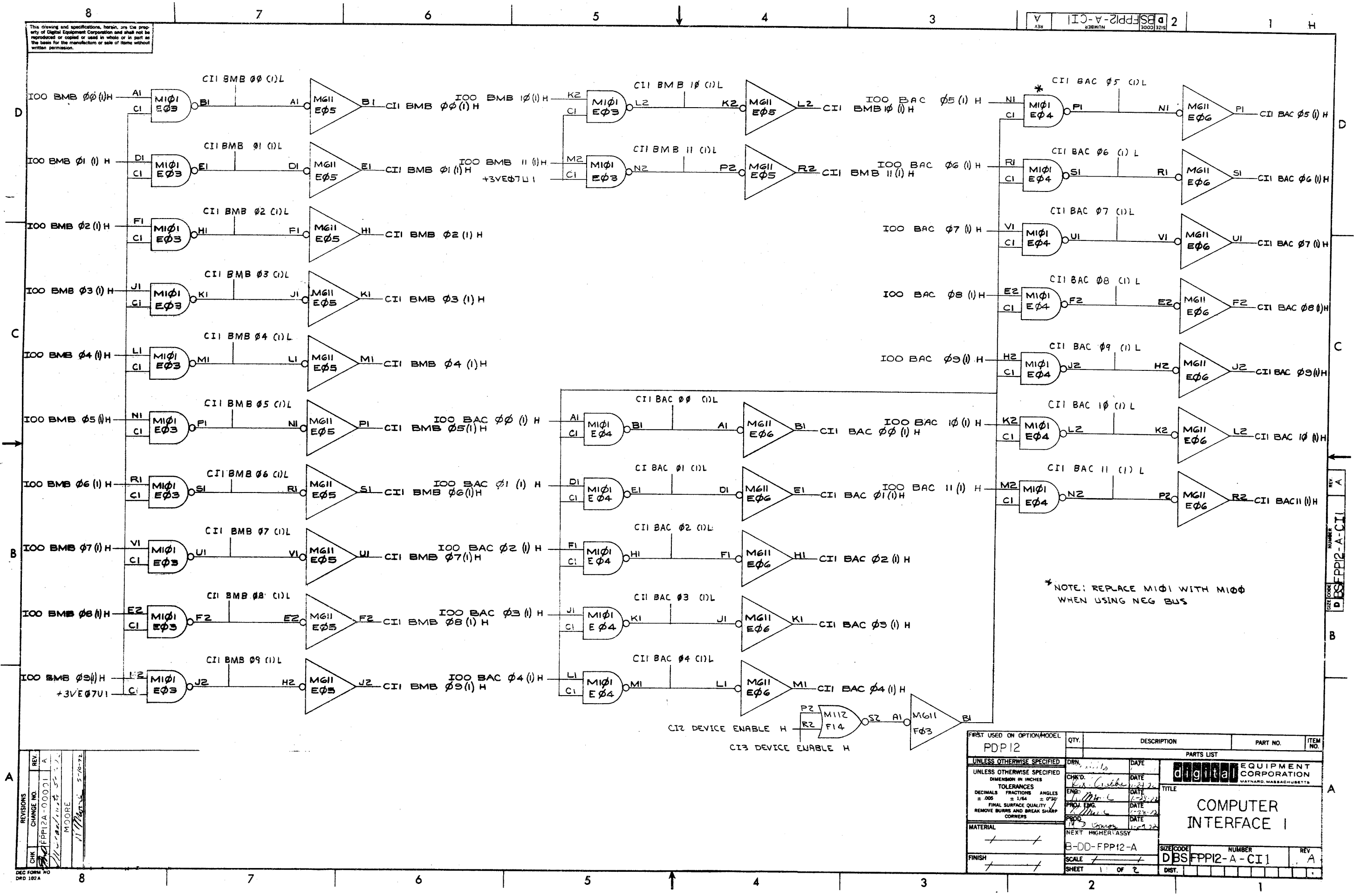
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REV	
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN 1-24-72	DATE 1-24-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'	CHK'D 1-24-72	DATE 1-24-72	TITLE INSTRUCTION REGISTER	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	ENG. 1-22-72	DATE 1-22-72	NUMBER DBSFPPI2-A-CAR7	
MATERIAL / /	PROJ. ENG. 1-26-72	DATE 1-26-72	REV.	
FINISH / /	PROD. 1-25-72	DATE 1-25-72	DIST.	
NEXT HIGHER ASSY B-DD-FPPI2-A		SCALE 1 OF 1		
SHEET		SHEET		

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* NOTE: REPLACE MI01 WITH MI0Φ WHEN USING NEG BUS

REV.	CHG. NO.	DATE	BY
1			
2			
3			
4			
5			
6			
7			
8			

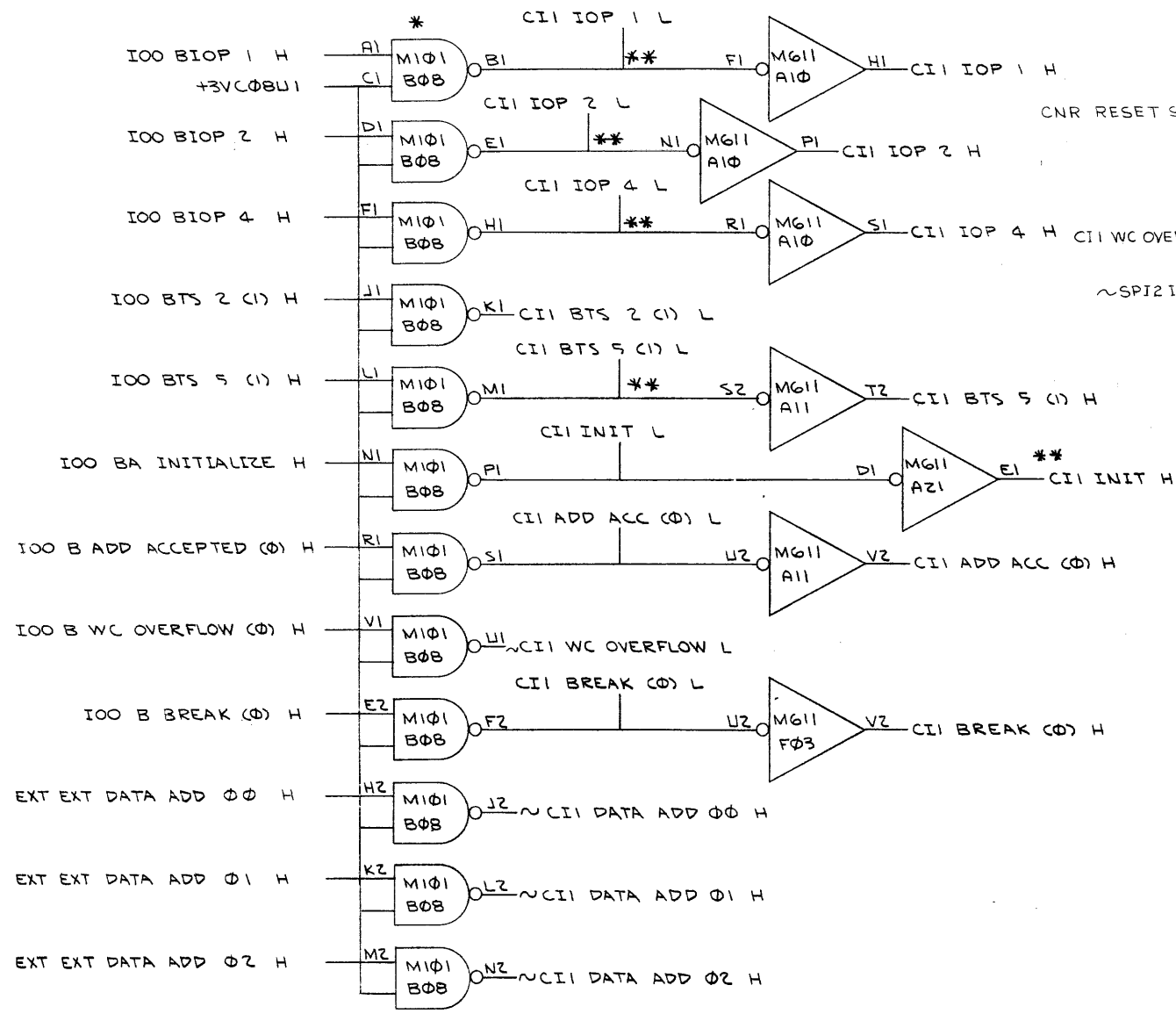
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
± .005 ± 1/64 ± 90°				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
NEXT HIGHER ASSY				
FINISH				
SCALE				
SHEET 1 OF 2				

digital EQUIPMENT CORPORATION
 WATFORD, MASSACHUSETTS

COMPUTER INTERFACE I

SIZE CODE: DBSFPPI2-A-CI1
 NUMBER: A
 REV: A

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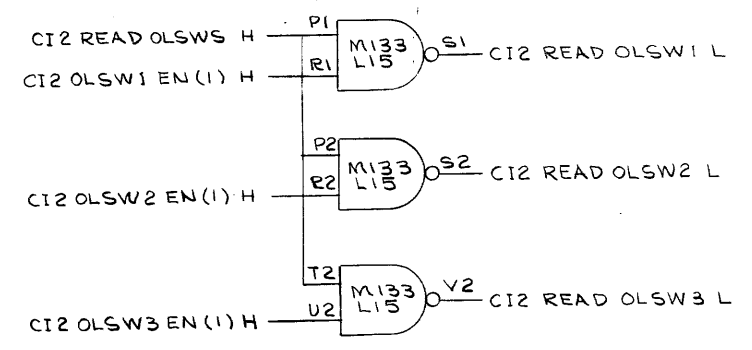
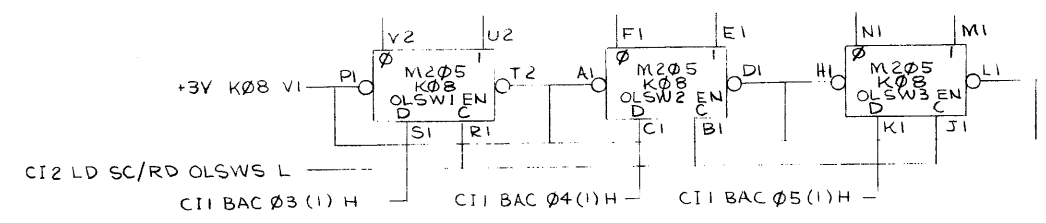
* REPLACE M101 WITH M100 WHEN USING NEG BUS.
 ** ON THE NEG BUS, THE COMPLEMENT IS USED. MAKE THESE CHANGES: (FPP12-AN)

CII IOP 1 H	C01M2 - E01M2	DEL
CII IOP 1 H	A10H1 - C01M2	DEL
CII IOP 1 H	C01M2 - E01M2	ADD
CII IOP 1 H	C01M2 - A10F1	ADD
CII IOP 2 H	C01N2 - E01N2	DEL
CII IOP 2 H	C01N2 - A10P1	DEL
CII IOP 2 H	C01N2 - E01N2	ADD
CII IOP 2 H	C01N2 - A10N1	ADD
CII IOP 4 H	C01P2 - E01P2	DEL
CII IOP 4 H	C01P2 - A10S1	DEL
CII IOP 4 H	C01P2 - E01P2	ADD
CII IOP 4 H	C01P2 - A10R1	ADD
CII INIT L	B31P2 - A21D1	DEL
CII INIT H	B31P2 - A21E1	ADD
CII ADDACC (1) L	A11V2 - D04D1	DEL
CII ADDACC (1) L	D04D1 - D30N1	DEL
CII BTS 05 (1) L	D30N1 - A11S2	ADD
CII BREAK (0) H	D04D1 - F03Y2	ADD

REV.	
CHG	
CHK	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>W. Roberts</i> DATE 12-7-71 CHK'D. <i>W. Roberts</i> DATE 1-24-72 ENG. <i>W. Roberts</i> DATE 1-27-72 PROJ. ENG. <i>W. Roberts</i> DATE 1-28-72 PROD. <i>M. D. Conway</i> DATE 1-29-72			
FIRST USED ON OPTION / MODEL PDP 12			
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ±.005 ±.1/64 ±.030 FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS MATERIAL FINISH			
NEXT HIGHER ASSY B-DD-FPP12-A			
SCALE SHEET 2 OF 2			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE COMPUTER INTERFACE 1	
SIZE CODE	NUMBER	REV.	
DBS	FPP12-A-CII	A	

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W130/W131
A05

- B1 +3V
- C1 DBC2 DATA ADD 00 L (TRAPS)
- H1 CNR EXECUTE FLOP (1) H (BSR3)
- NI STG CT 1 H (TST1)
- S1 CAR7 FPIR 00 (1) H (ISR0)
- V1 STG CT 2 H (TST2)
- D2 CNR EXIT FLOP (1) H (BSR4)
- E2 CNR FETCH FLOP (1) H (BSR1)
- H2 CI3 INT REQ (1) H (BSR12)
- JR DBC1 REQ BRK CYCLE (1) H (BSR8)
- K2 STG CT 0 H (R/W)
- L2 CNR PROCESS FLOP (1) H (BSR7)
- M2 CAR7 FPIR 01 (1) H (ISR1)
- NZ CNR DEPOSIT FLOP (1) H (BSR15)
- P2 STG CT 3 H (ISR2)
- R2 CNR INITIATE FLOP (1) H (BSR0)
- T2 DBC2 DATA ADD 01 H (MSYN)
- U2 DBC2 DATA ADD 02 H (SSYN)
- F2 CAR7 FPIR 02 (1) H (ISR3)
- E1 CAR7 FPIR 03 (1) H (ISR7)
- R1 CAR7 FPIR 04 (1) H (ISR15)
- K1 CAR7 FPIR 05 (1) H (ISR14)
- S2 CAR7 FPIR 06 (1) H (ISR12)
- M1 CAR7 FPIR 07 (1) H (ISR8)
- P1 CAR7 FPIR 08 (1) H (N)
- L1 CAR7 FPIR 09 (1) H (Z)
- F1 CAR7 FPIR 10 (1) H (V)
- D1 CAR7 FPIR 11 (1) H (C)
- J1 CAR8 SR0 (1) H (T)

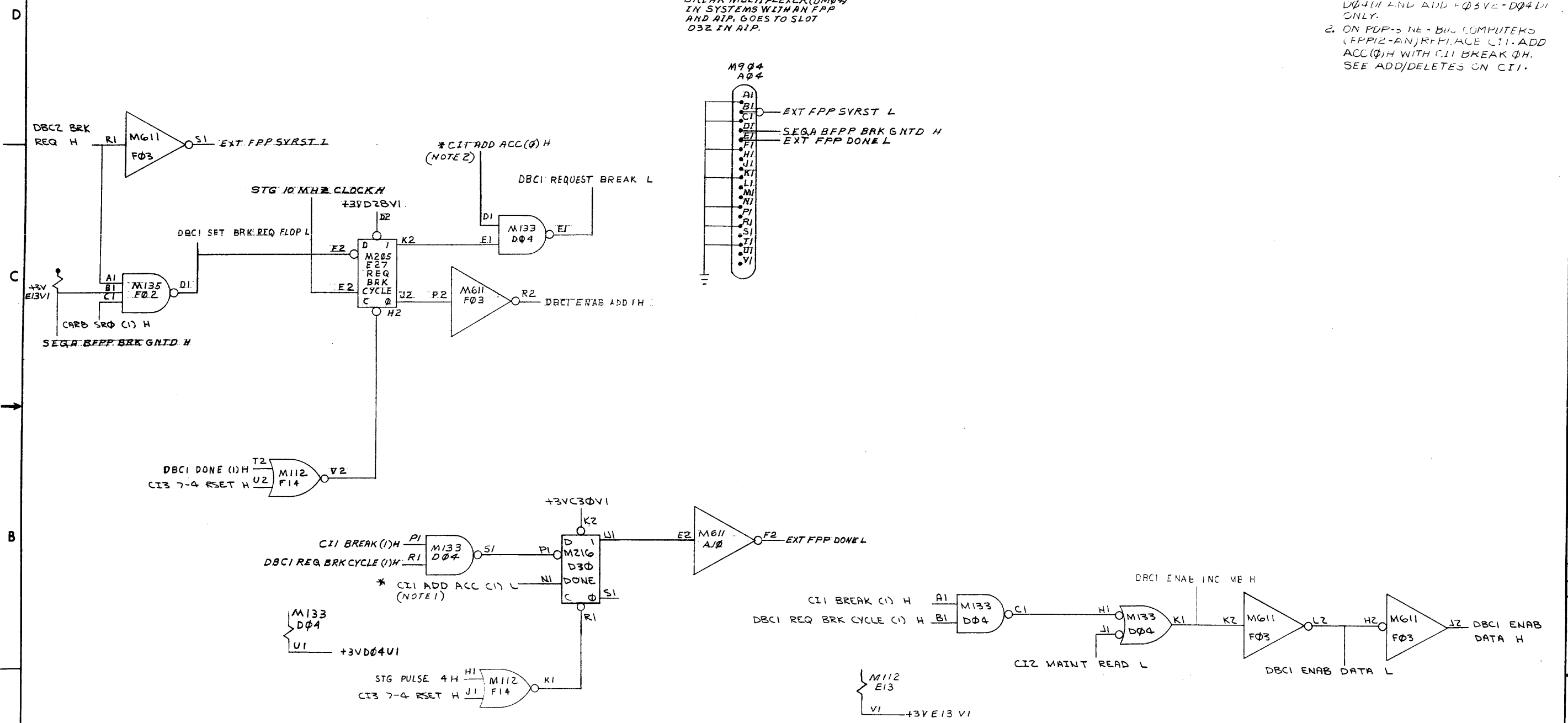
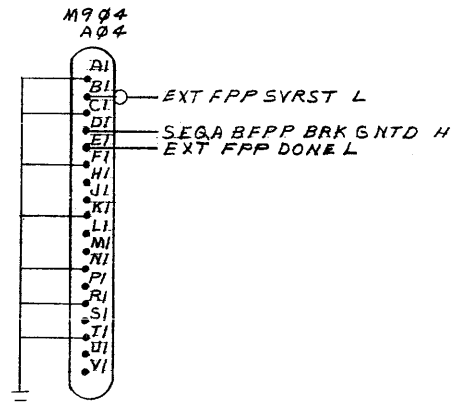
REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION / MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DIMENSION IN INCHES	CHKD.	DATE		
TOLERANCES	ENG.	DATE		
DECIMALS FRACTIONS ANGLES	PROJ. ENG.	DATE		
± .005 ± .004 ± .030	PROD.	DATE	MAINTENANCE IOT CONTROL	
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS			NEXT HIGHER ASSY	
MATERIAL	B-DD-FPP12-A		SIZE CODE	NUMBER
FINISH	SCALE		D BS FPP12-A-C12	REV.
	SHEET 2 OF 2		DIST.	

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- *NOTES:**
- ON PDP-8 POS. BUS COMPUTERS REMOVE 'C11 ADD ACC (1) L' (D30 NI TO D04 D1) AND ADD 'C11 BTS 5 (1) H' (D30 NI TO A11 T2); (FPP12-AB) ALSO DO PART OF NOTE 2 DELETE A11 T2 - D04 D1 AND ADD - D30 V2 - D04 D1 ONLY.
 - ON PDP-5 NE-BUS COMPUTERS (FPP12-AN) REPLACE C11 ADD ACC (1) H WITH C11 BREAK PH. SEE ADD/DELETES ON C11.

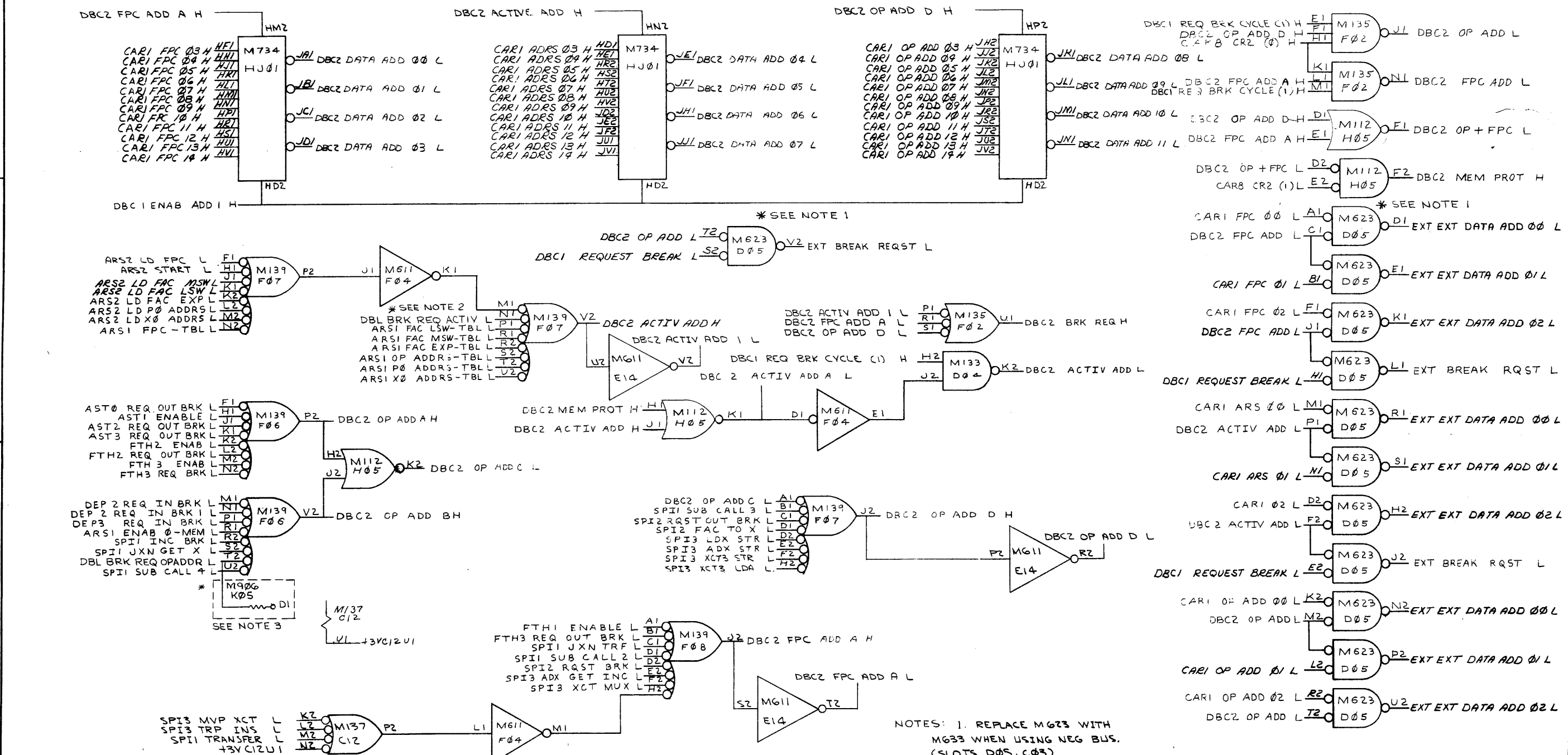
THE CABLE BELOW IS USED IN LIEU OF A DATA BREAK MULTIPLEXER (DM04) IN SYSTEMS WITH AN FPP AND AIP, GOES TO SLOT 032 IN AIP.



REV.	CHG.	NO.	DATE	BY
A		00001	5-10-72	MOORE
B		00002	7/13/72	MOORE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
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				
PARTS LIST				
digital EQUIPMENT CORPORATION				
MAYNARD, MASSACHUSETTS				
TITLE				
DATA BRK CONTROL I				
NEXT HIGHER ASSY				
B-DD-FPP12-A				
SCALE NONE				
SHEET 1 OF 1				
SIZE CODE DBS FPP12-A				
DIST.				
REV. B				

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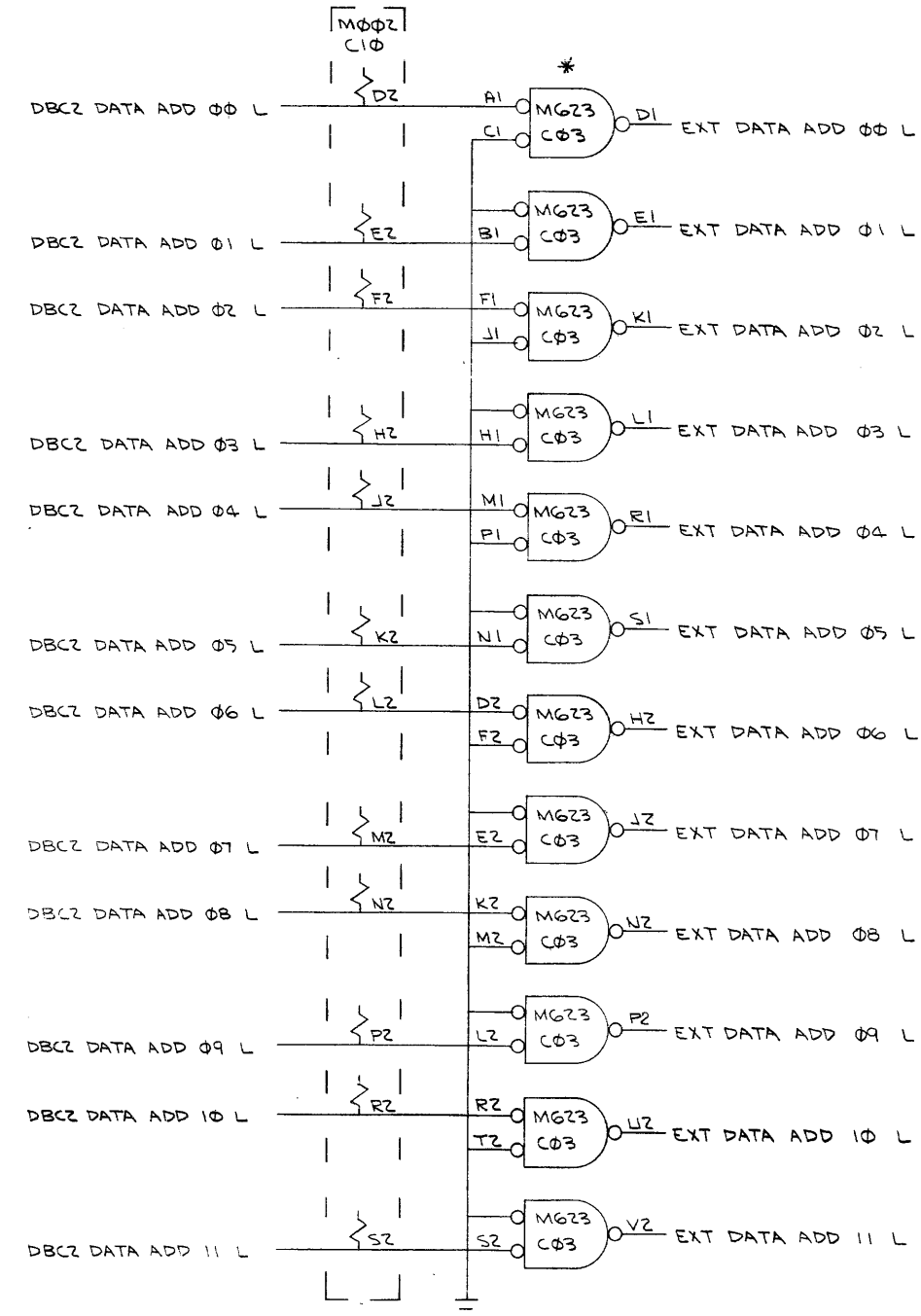
NOTES: 1. REPLACE M623 WITH M633 WHEN USING NEG BUS. (SLOTS D05, C03)
 2. THIS SIGNAL IS WIRED TO ARS1 FB-TBL L WHEN THE FPP12-AE OPTION IS NOT INSTALLED. (K04L1-104R1) OF LEFT 1M1. WIRE WHEN ADDING THE FPP12-AE OPTION.
 3. EPM DISABLE MODULE.

REV.	CHG. NO.	DATE	BY
A	0001	5-20-72	MOORE
B	0005	9-11-72	KNAHAN
C	0006	9-21-72	...

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	DATA BREAK ADD MUX	D8SFPPI2-A-DBC2	B

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REV. 2
 NUMBER DBS FPP12-A-DBC2
 SIZE CODE D



D
 C
 B
 A

D
 C
 B
 A

REVISIONS	REV.
CHANGE NO.	
CHK	

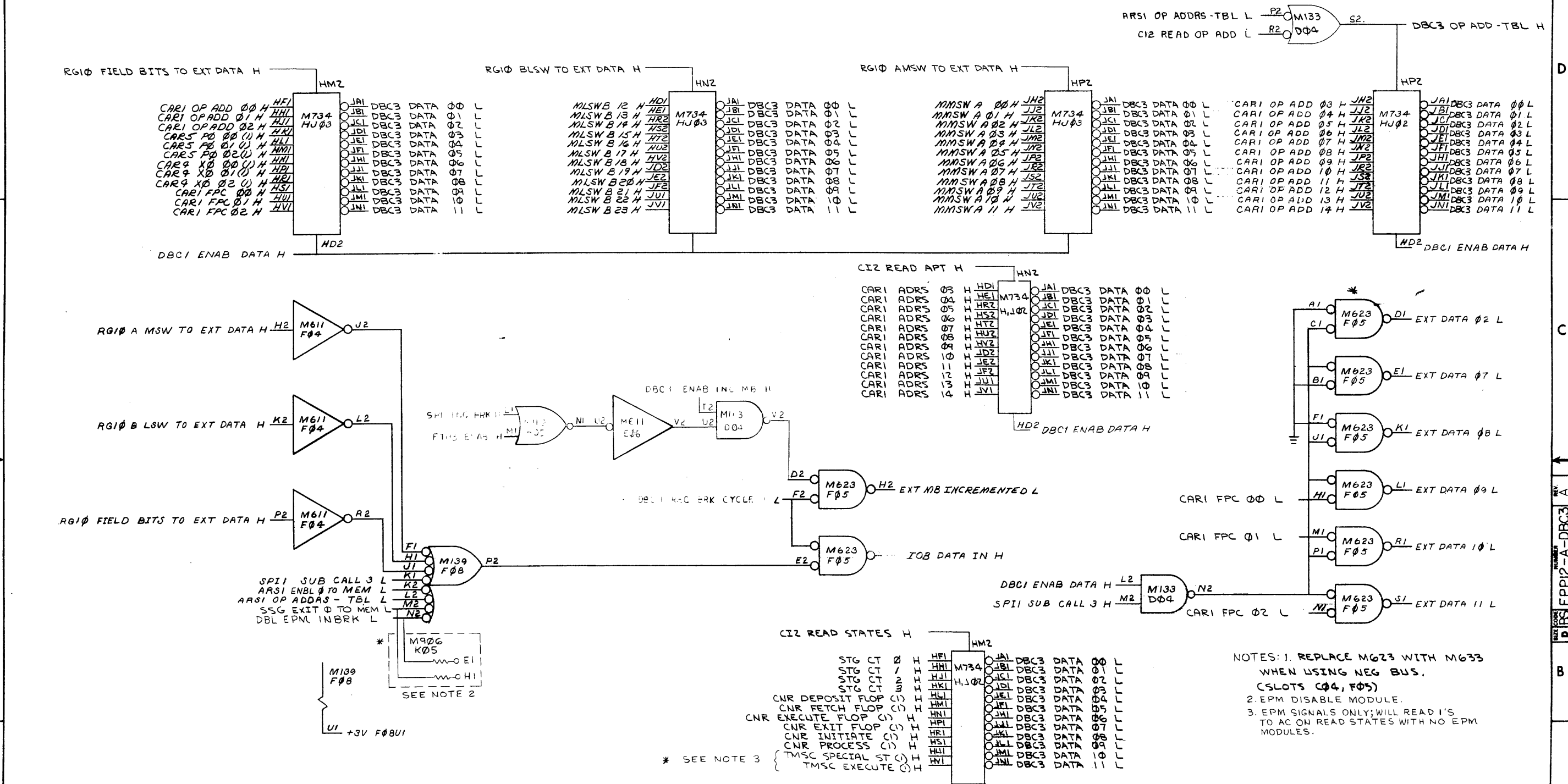
FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRM	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHKD.	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DIMENSION IN INCHES	END.	DATE	TITLE	
TOLERANCES	PROJ. ENG.	DATE	DATA BREAK	
DECIMALS FRACTIONS ANGLES	PROD.	DATE	ADD MUX	
= .005 ± 1/64 = 0°30'	DATE	DATE	NEXT HIGHER ASSY	
FINAL SURFACE QUALITY	SCALE		B-DD-FPP12-A	
REMOVE BURRS AND BREAK SHARP CORNERS	SHEET	OF	SIZE CODE NUMBER REV.	
MATERIAL	2	2	D BS FPP12-A-DBC2 B	
FINISH			DIST.	

DEC FORM NO DRD 102A

8 7 6 5 4 3

8 7 6 5 4 3 2 1

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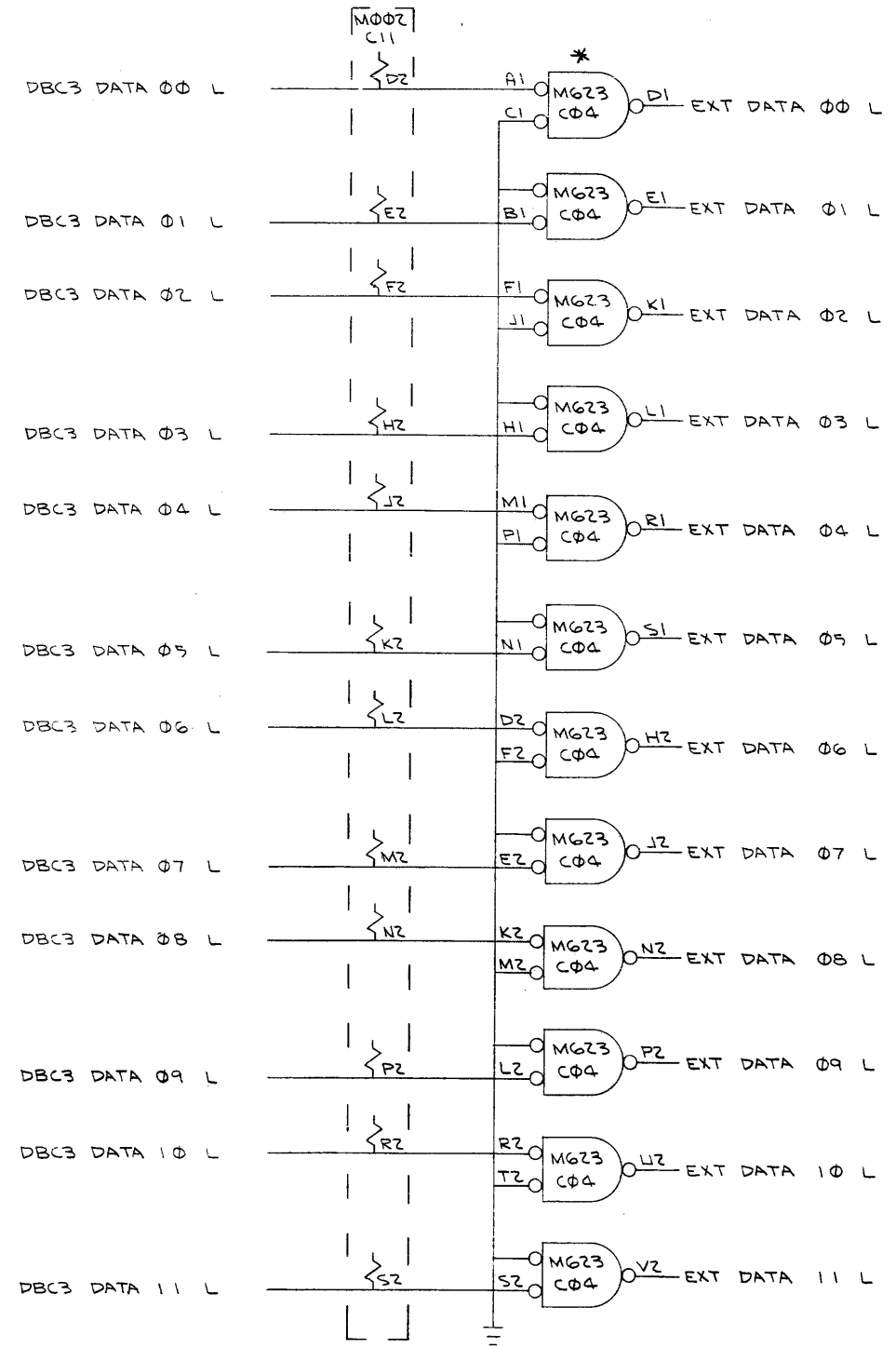
NOTES: 1. REPLACE M623 WITH M633 WHEN USING NEG BUS. (SLOTS C04, F05)
 2. EPM DISABLE MODULE.
 3. EPM SIGNALS ONLY; WILL READ I'S TO AC ON READ STATES WITH NO EPM MODULES.

REV.	CHG.	NO.	DATE
1	1	1	12-27-71
2	1	1	1-24-72
3	1	1	1-11-72
4	1	1	1-28-72
5	1	1	1-11-72

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPI2				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHND	DATE	TITLE	
DIMENSION IN INCHES	END	DATE	DATA MUX	
TOLERANCES	PRD	DATE	MATERIAL	
DECIMALS FRACTIONS ANGLES	PROD	DATE	FINISH	
± .005 ± .1/64 ± .030			NEXT HIGHER ASSY	
FINAL SURFACE QUALITY			B-DD-FPPI2-A	
REMOVE BURRS AND BREAK SHARP CORNERS			SCALE NONE	
			SHEET 1 OF 2	
			SIZE CODE DBS FPP12-A-DBC3	
			NUMBER	
			REV. A	

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REV. A
 NUMBER DBC3
 SIZE CODE BS
 FPP12-A-DBC3
 2



D
 C
 B
 A

D
 C
 B
 A

REVISIONS	REV.
CHANGE NO.	
CHK.	

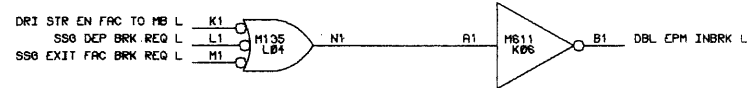
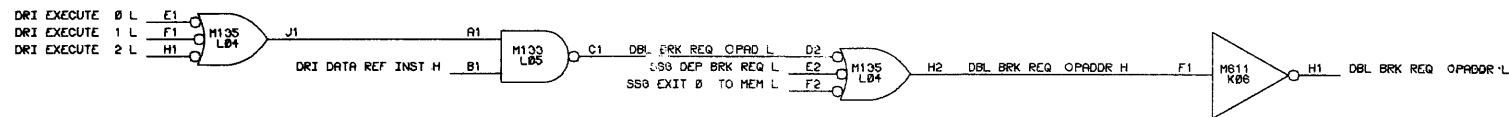
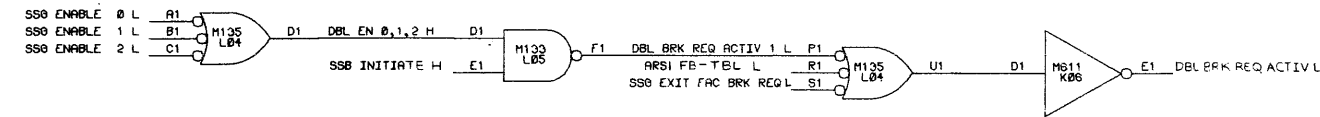
PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE DATA MUX				
NEXT HIGHER ASSY B-DD-FPP12-A				
SCALE				
SHEET 2 OF 2				
SIZE CODE D		NUMBER BS FPP12-A-DBC3		REV. A

8 7 6 5 4 3 2 1

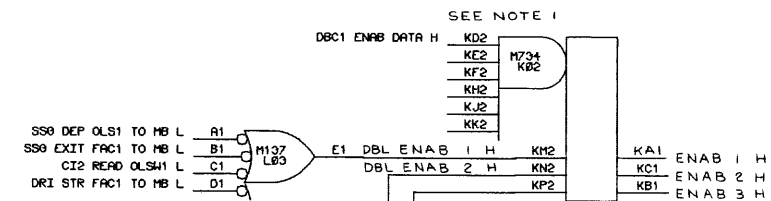
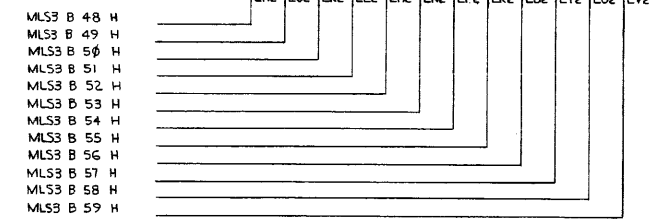
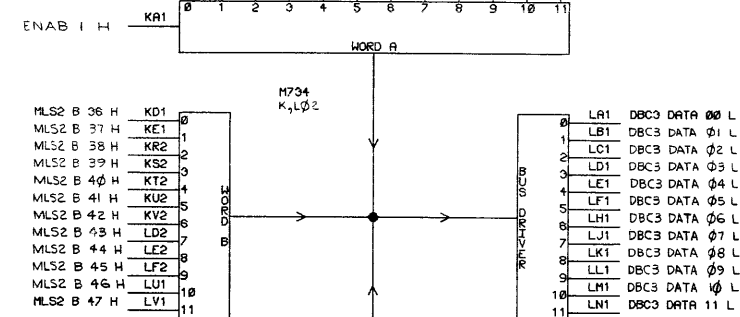
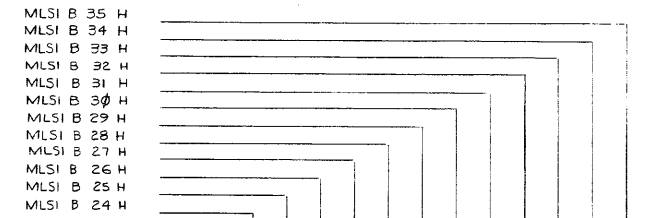
8 7 6 5 4 3 2 1

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8 7 6 5 4 3 2 1



NOTE: IN LOCATION K06, PINS C1, M2 AND N2 ARE GROUNDED



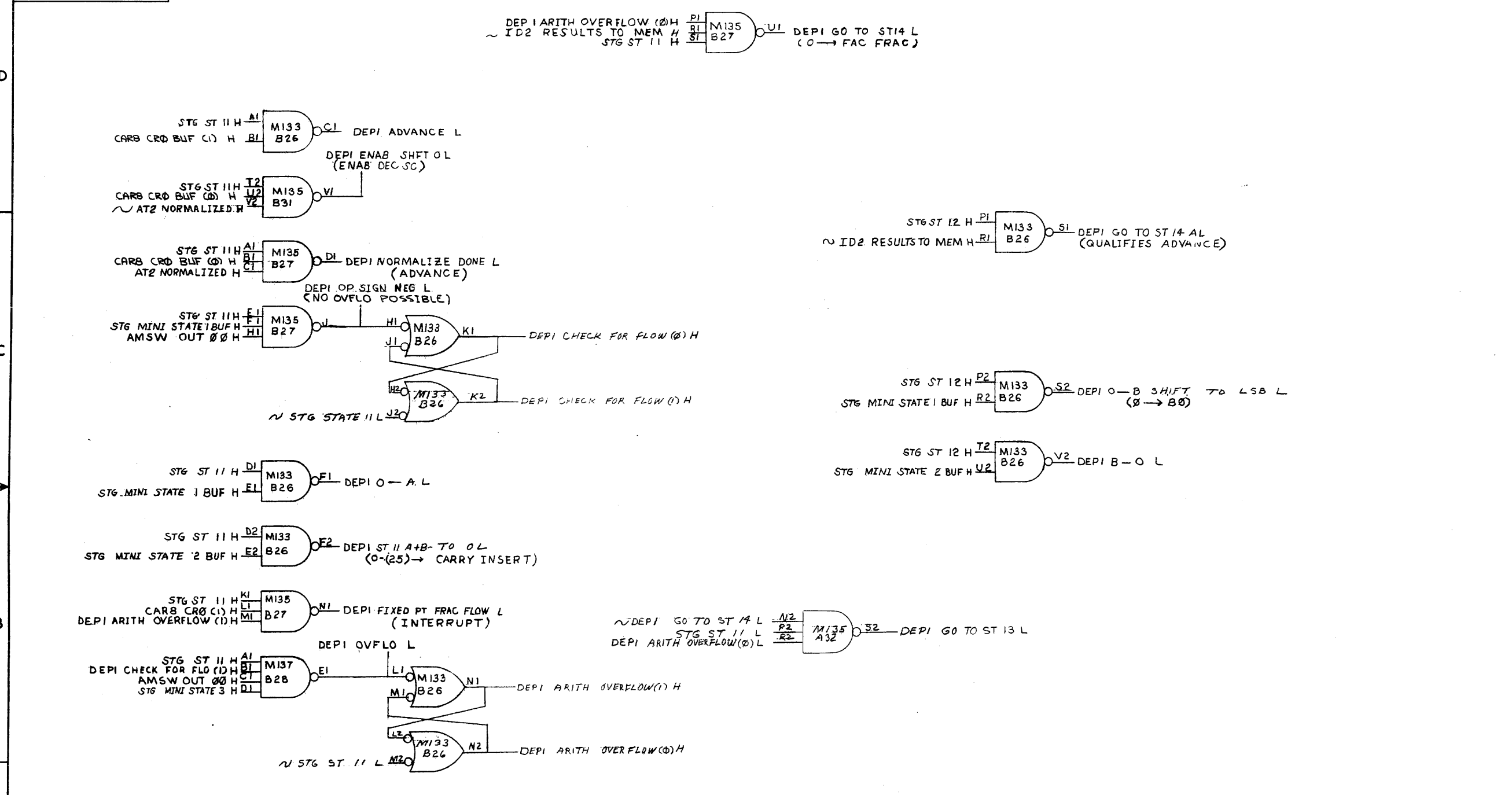
NOTE: 1. DBC1 ENAB DATA H QUALIFIES THE OUTPUTS ENAB 1, 2 OR 3 H AS QUALIFIED BY THE INPUTS KM2, KN2 OR KP2.

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST		
DECIMALS	ANGLES	TITLE		
.XXX - .005	± 0° 30'	DATA BREAK LOGIC (EXTENDER MODE)		
.XX - .02		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		
.X - .1		MATERIAL		
		NEXT HIGHER ASSY.		
		FINISH		
		SCALE		
		SHEET 1 OF 1		
		DIST.		
		SIZE CODE		
		NUMBER		
		REV.		
		FPP12-A-DBL		

8 7 6 5 4 3 2 1

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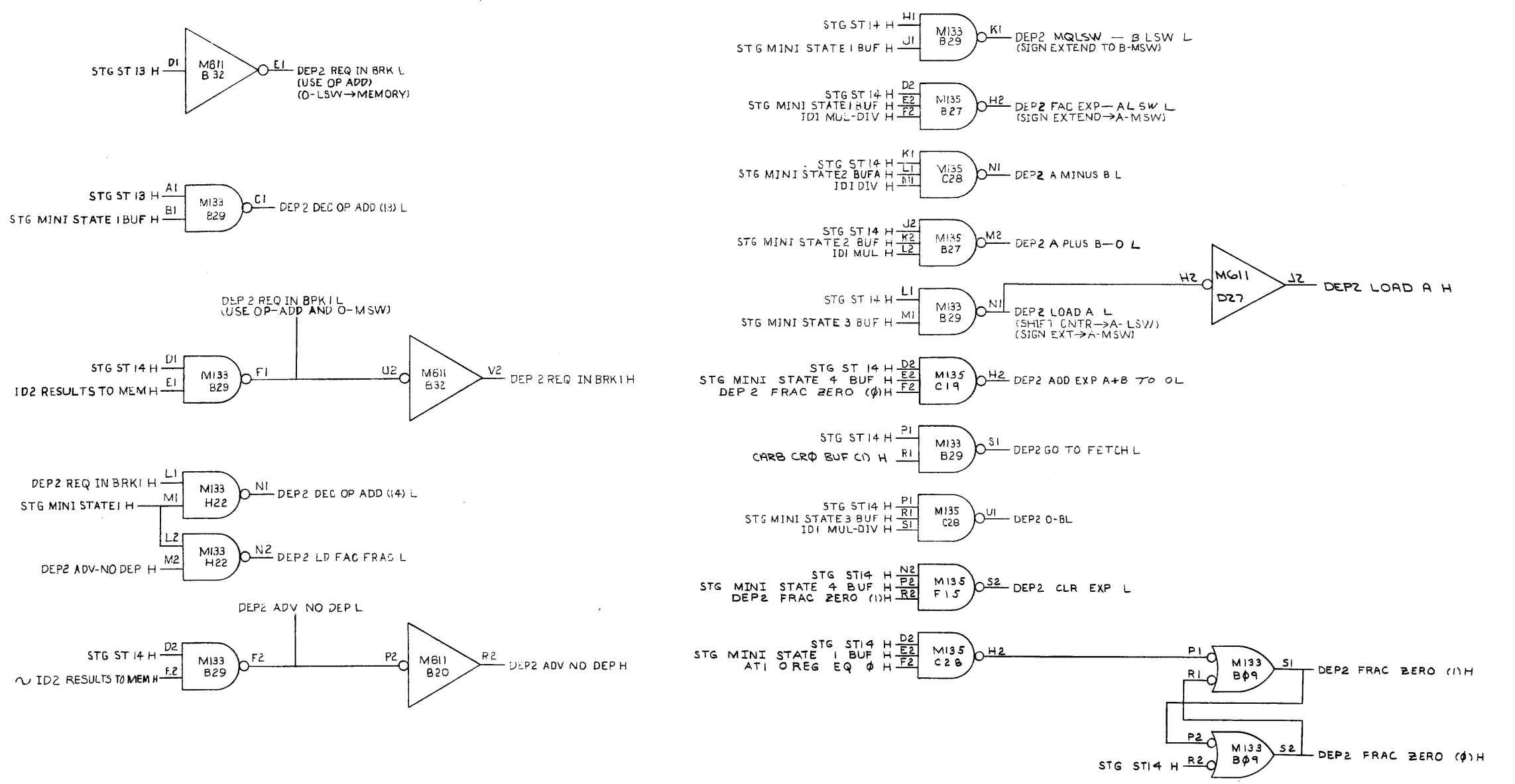


REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	CHK'D.	DATE	TITLE	
DECIMALS FRACTIONS ANGLES	ENG.	DATE	DEPOSIT RESULTS I	
± .005 ± 1/64 ± 0°30'	PRJ. ENG.	DATE	NEXT HIGHER ASSY	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROD.	DATE	B-DD-FPP12-A	
MATERIAL	SCALE NONE			
FINISH	SHEET 1 OF 1			
SIZE CODE		NUMBER		REV.
DBS FPP12-A-DEPI				
DIST.				

REV. NUMBER
 DBS FPP12-A-DEPI

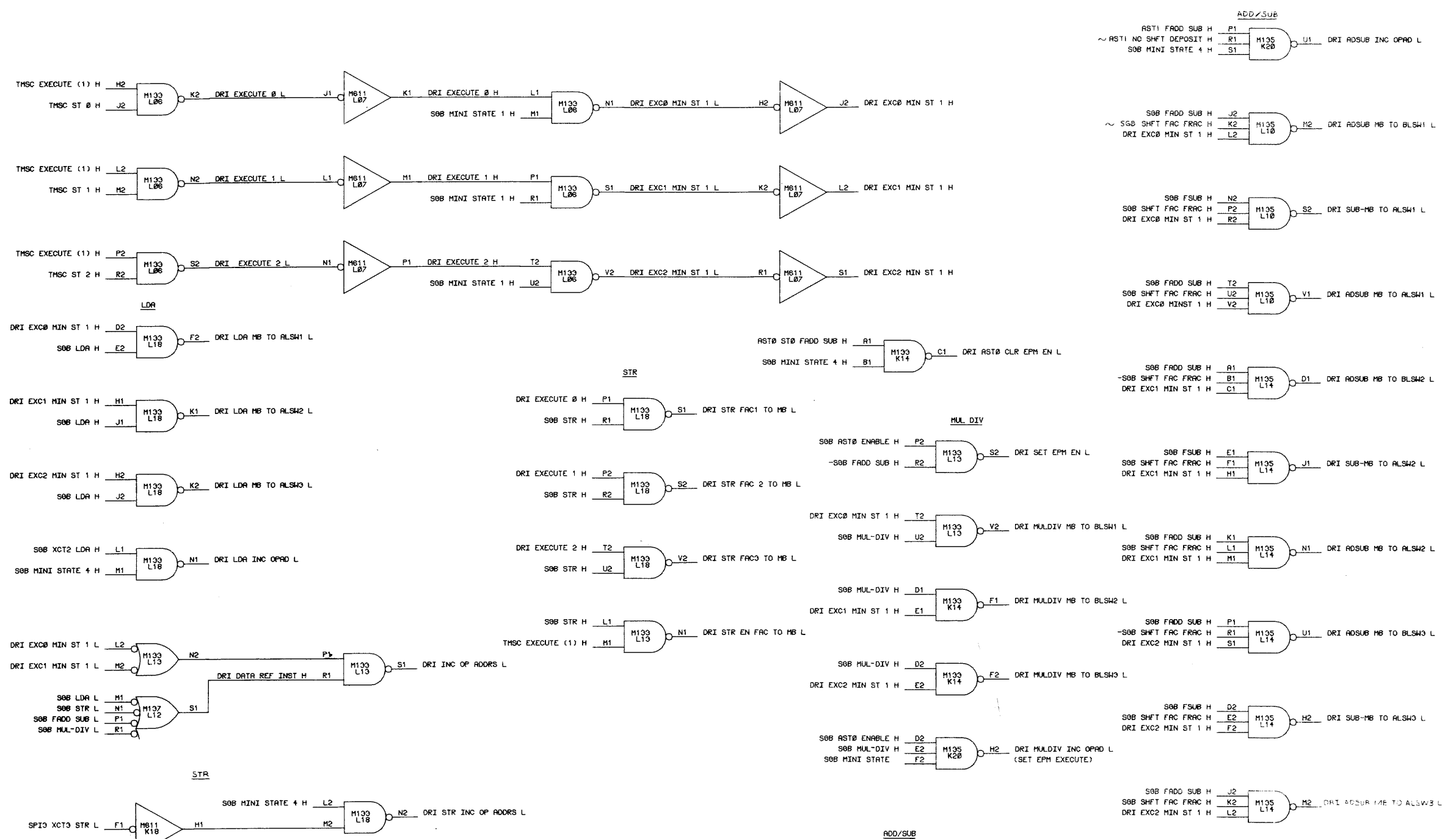
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REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
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 <i>J. Roberts</i>	DATE 2-13-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
MATERIAL — / —	CHK'D <i>R. A. Cohen</i>	DATE 1-29-72	TITLE DEPOSIT RESULTS 2	
FINISH — / —	ENR <i>M. J. ...</i>	DATE 1-20-72	SCALE NONE	
	PROJ. ENG <i>A. ...</i>	DATE 1-25-72	SHEET OF	
	PROD <i>N. D. Conroy</i>	DATE 1-29-72	DIST.	
	NEXT HIGHER ASSY B-DD-FPP12-A		SIZE CODE NUMBER REV. D BS FPP12-A-DEP2	

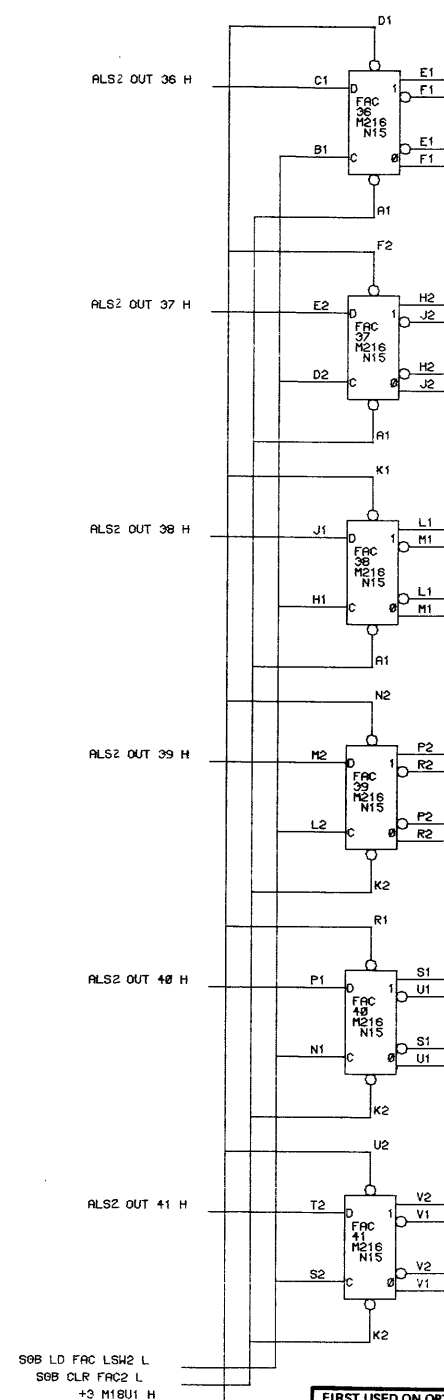
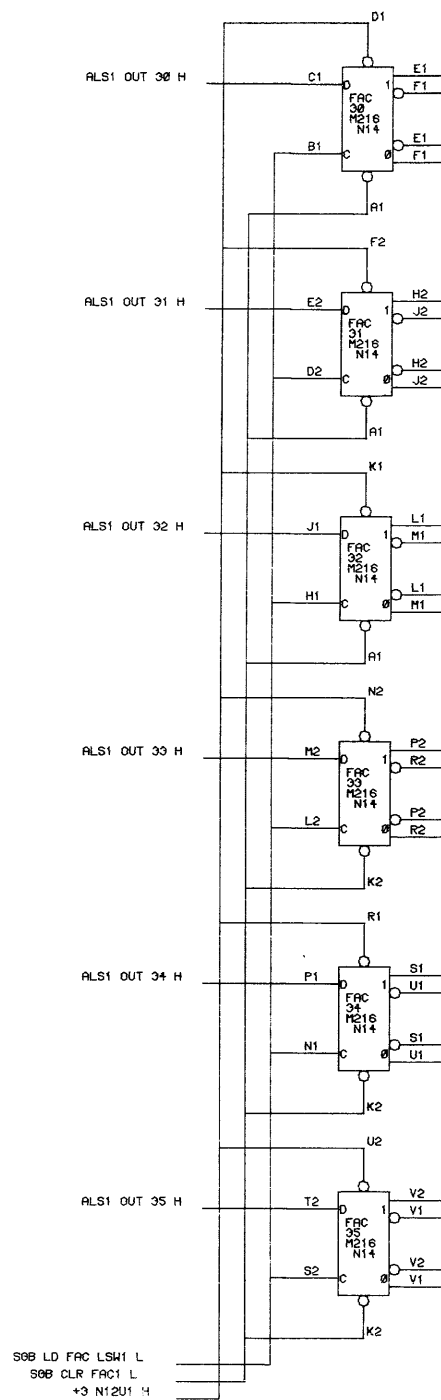
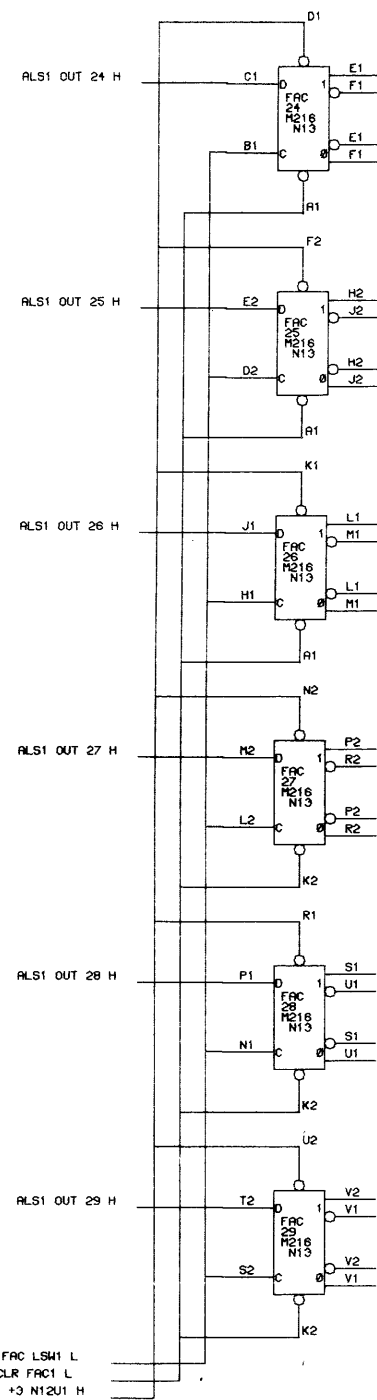
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REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.										
PDP12														
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		<table border="1"> <tr> <td>DRN</td> <td>DATE</td> </tr> <tr> <td>CHK'D</td> <td>DATE</td> </tr> <tr> <td>ENG.</td> <td>DATE</td> </tr> <tr> <td>PROJ. ENG.</td> <td>DATE</td> </tr> <tr> <td>PROD.</td> <td>DATE</td> </tr> </table>	DRN	DATE	CHK'D	DATE	ENG.	DATE	PROJ. ENG.	DATE	PROD.	DATE	digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DRN	DATE													
CHK'D	DATE													
ENG.	DATE													
PROJ. ENG.	DATE													
PROD.	DATE													
DECIMALS		ANGLES	TITLE											
XXX - .005		±0° 30'	DATA REFERENCE INSTRUCTIONS (EXTENDED MODE)											
XX - .02														
X - .1														
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY														
MATERIAL		NEXT HIGHER ASSY.	SIZE CODE	NUMBER										
FINISH		B-DD-FPPI2-A	0 BS	FPP12-A-DRI										
		SCALE NONE												
SHEET 1 OF 1		DIST.												

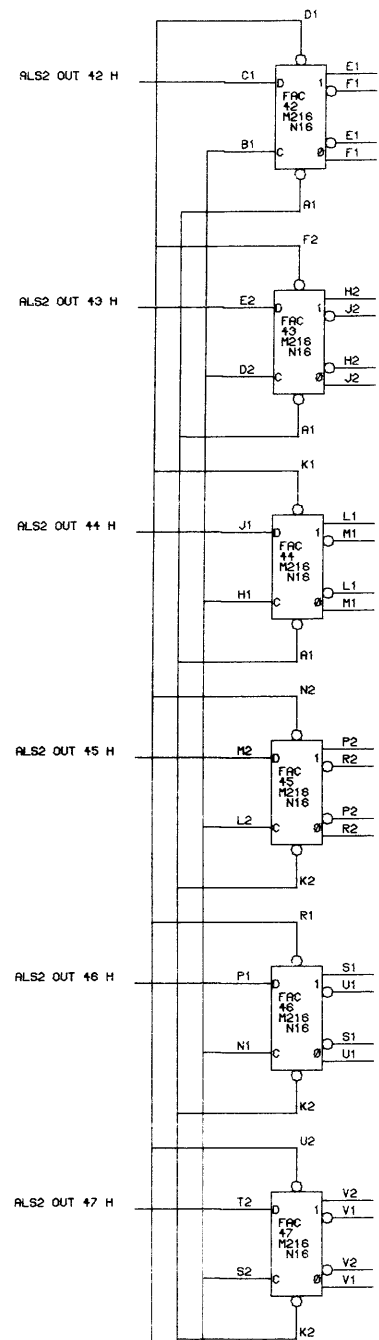
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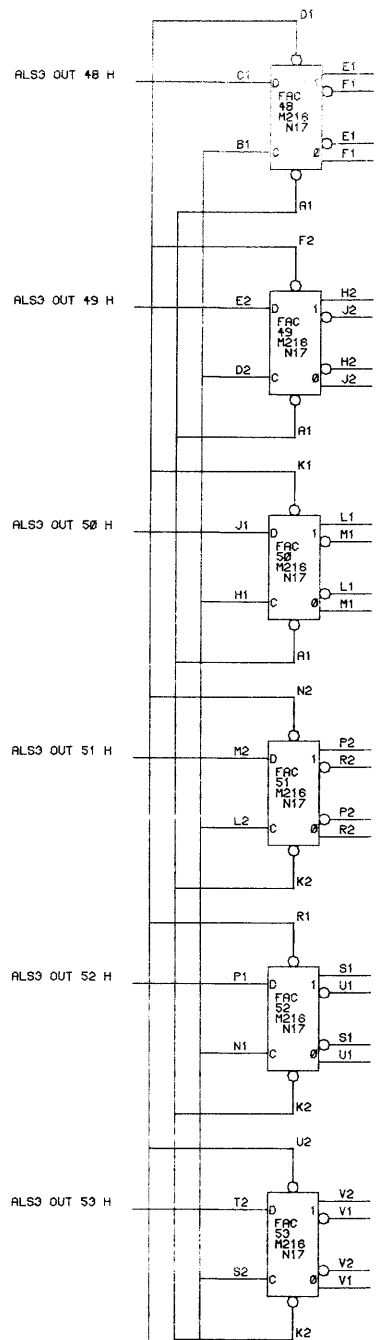
REVISION:		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN <i>Logan</i>	DATE 11/27/71	
TOLERANCES		CHK'D <i>B. G...</i>	DATE 12-2-71	
DECIMALS	ANGLES	ENG <i>W. P...</i>	DATE 1-20-72	TITLE EXTENDED ACCUMULATOR LSW1
.XXX - .006	±0° 30'	PROJ. ENG. <i>W. P...</i>	DATE 1-20-72	
.XX - .02		PROD. <i>M. J. G...</i>	DATE 1-20-72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.		
MATERIAL		B-DD-FPPI2-A	SIZE CODE	NUMBER
FINISH		SCALE NONE	D BS	FPP12-A-ERC1
SHEET 1 OF 1		DIST.		

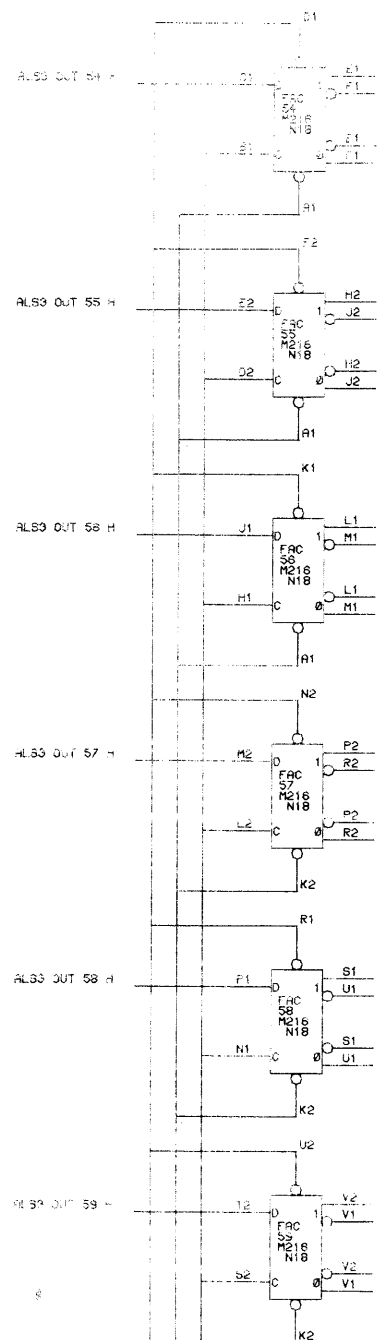
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S08 LD FAC LSH2 L
S08 CLR FAC2 L
+3 M18U1 H



S08 LD FAC LSW3 L
S08 CLR FAC3 L
+3 M19U1 H



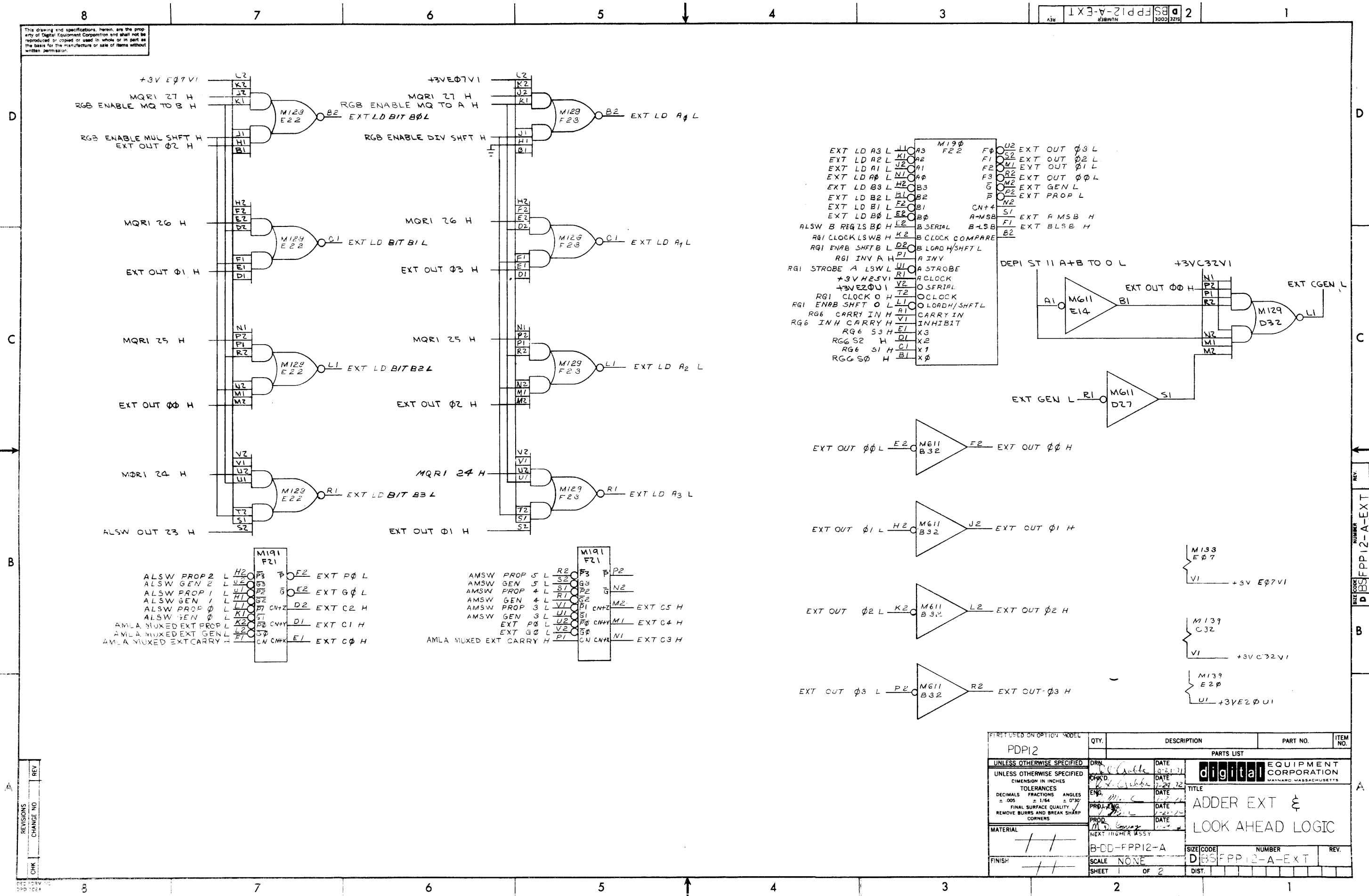
S08 LD FAC LSW3 L
S08 CLR FAC3 L
+3 M19U1 H

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPT. OR MODEL	QTY.	DESCRIPTION	PART NO.	REV. NO.
PDP12				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN <i>[Signature]</i> DATE 11/5/71	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	CHKD <i>[Signature]</i> DATE 12-2-71		
.XX - .02	±0°30'	ENG <i>[Signature]</i> DATE	TITLE EXTENDED ACCUMULATOR LSW2	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROJ. ENG. <i>[Signature]</i> DATE	MATERIAL	
NEXT HIGHER ASSY.		PROD <i>[Signature]</i> DATE	FINISH	
B-DD-FPP12-A		SIZE CODE		NUMBER
SCALE NONE		D BS		REV.
SHEET 1 OF 1		DIST.		

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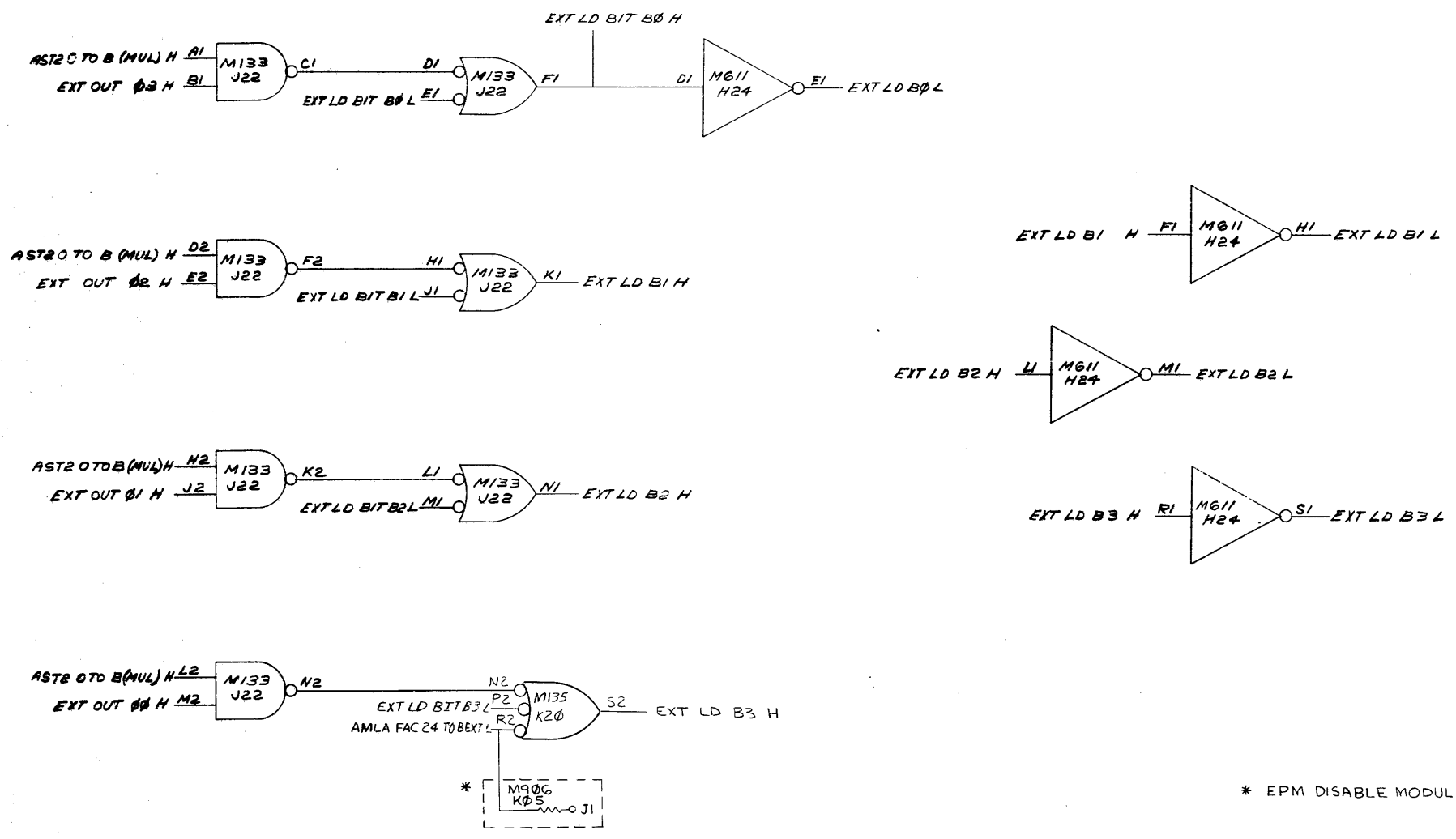
REV. 1
 SIZE CODE D
 BS FPP12-A-EXT



REV.	
CHG.	
CHK.	

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS IN INCHES		DATE	PARTS LIST	
TOLERANCES		DATE	digital EQUIPMENT CORPORATION	
DECIMALS FRACTIONS ANGLES		DATE	MAYNARD, MASSACHUSETTS	
± .005 ± 1/64 ± 0°30'		DATE	TITLE	
FINAL SURFACE QUALITY		DATE	ADDER EXT &	
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	LOOK AHEAD LOGIC	
MATERIAL		DATE	SCALE	
NEXT HIGHER ASSY		DATE	NONE	
FINISH		DATE	SIZE CODE	
		DATE	NUMBER	
		DATE	D BS FPP12-A-EXT	
		DATE	REV.	
		DATE	SHEET	
		DATE	OF 2	
		DATE	DIST.	

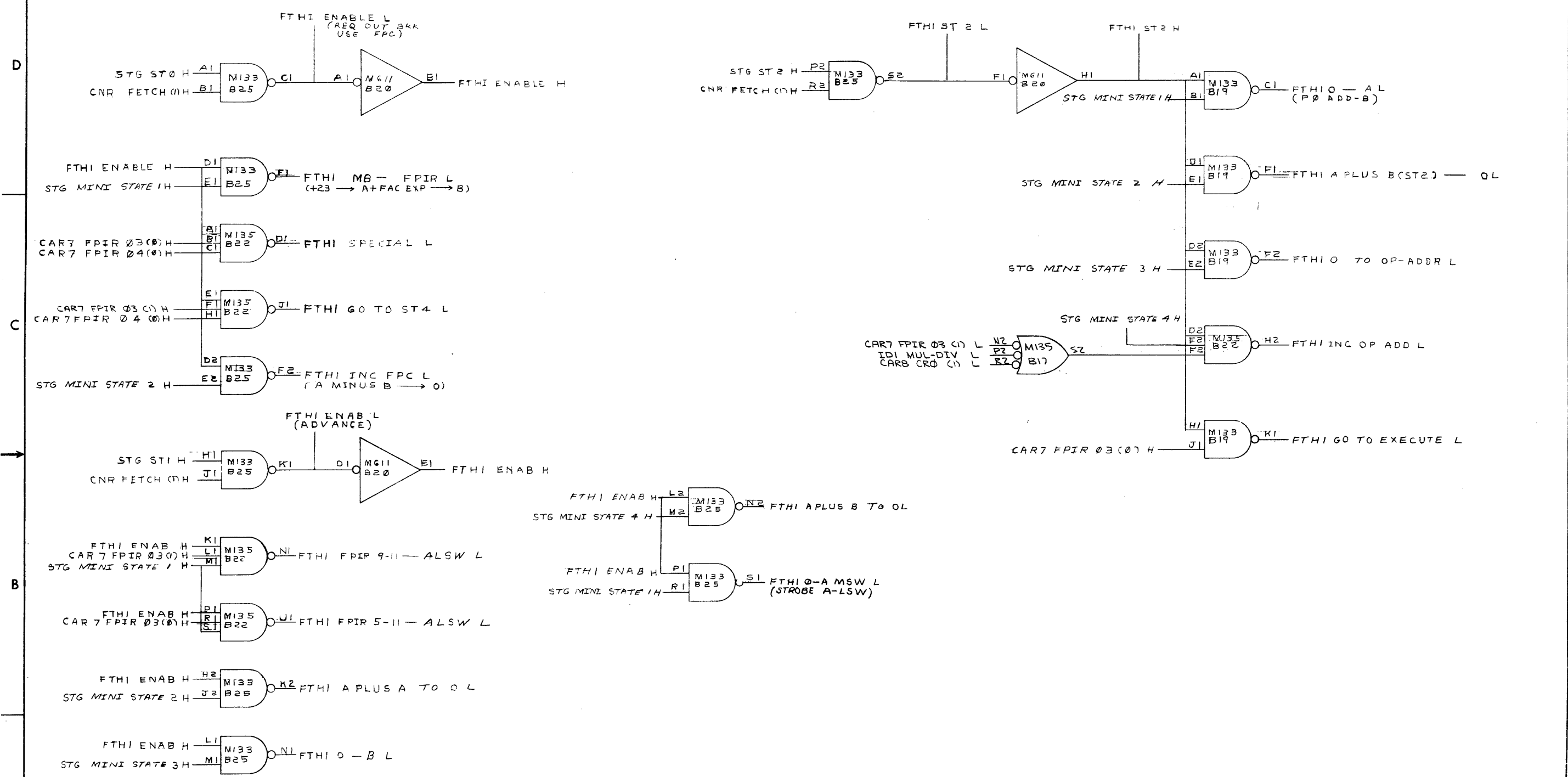
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REV	CHANGE NO.
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	DATE	PARTS LIST	
.XXX = .005	± 0° 30'	10-29-71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
.XX = .02		DATE	TITLE	
.X = .1		1-24-72	ADDER EXT &	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	LOOK AHEAD LOGIC	
		1-29-72		
MATERIAL	NEXT HIGHER ASSY.	DATE	SIZE CODE	NUMBER
FINISH			B-DD-FPP12-A	DBS FPP12-A-EXT
			SCALE	REV.
			SHEET 2 OF 2	
			DIST.	

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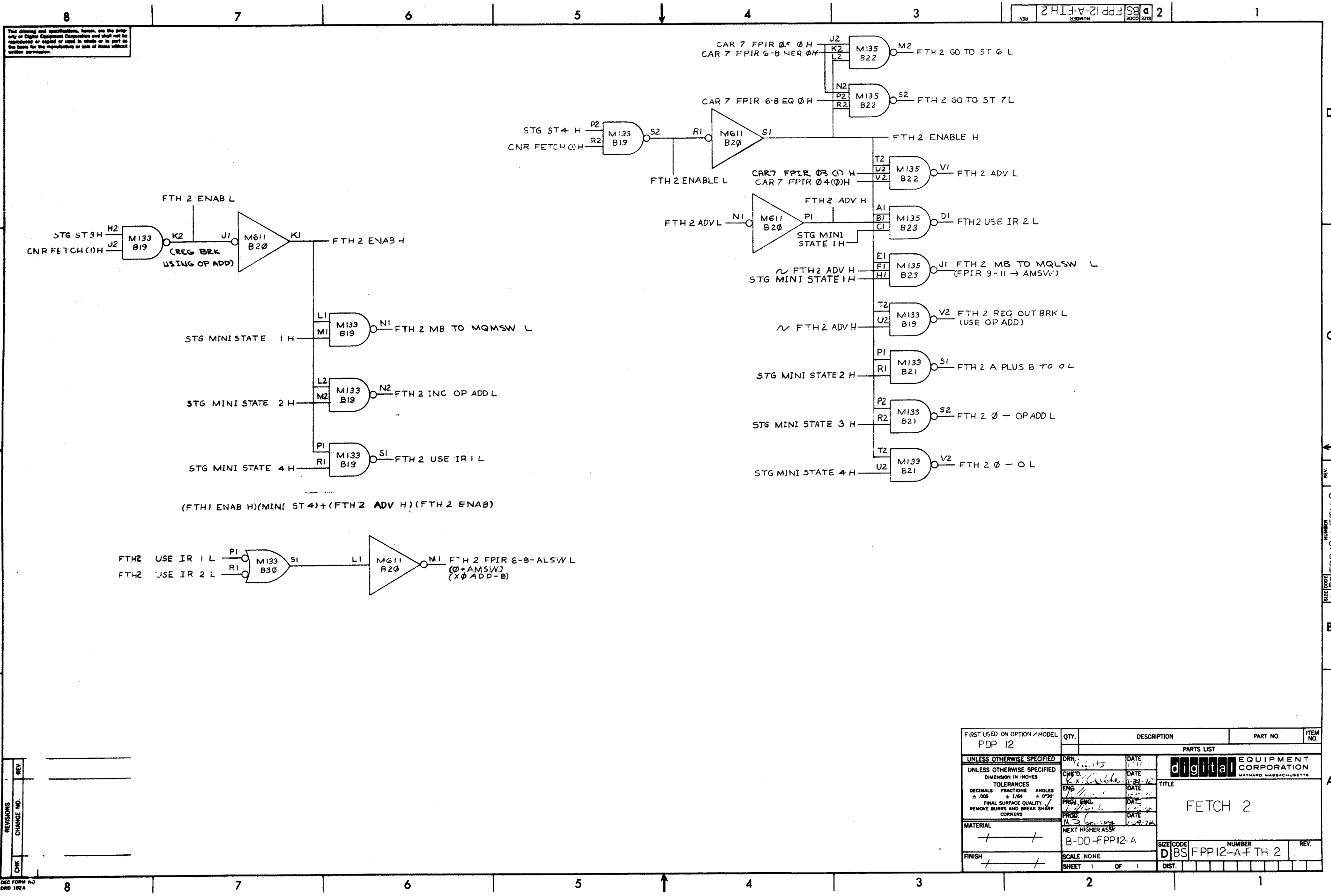


REVISIONS	NO.	REV.
CHK	CHANGE NO.	

DEC FORM NO. ORD 102A

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPI2				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D	DATE	TITLE		
ENG	DATE	FETCH 1		
PROJ. ENG	DATE	MATERIAL		
PROD.	DATE	NEXT HIGHER ASSY		
B-00-FPPI2-A		SIZE CODE	NUMBER	REV.
SCALE		DBSFPPI2-A-FTHI		
SHEET 1 OF 1		DIST.		

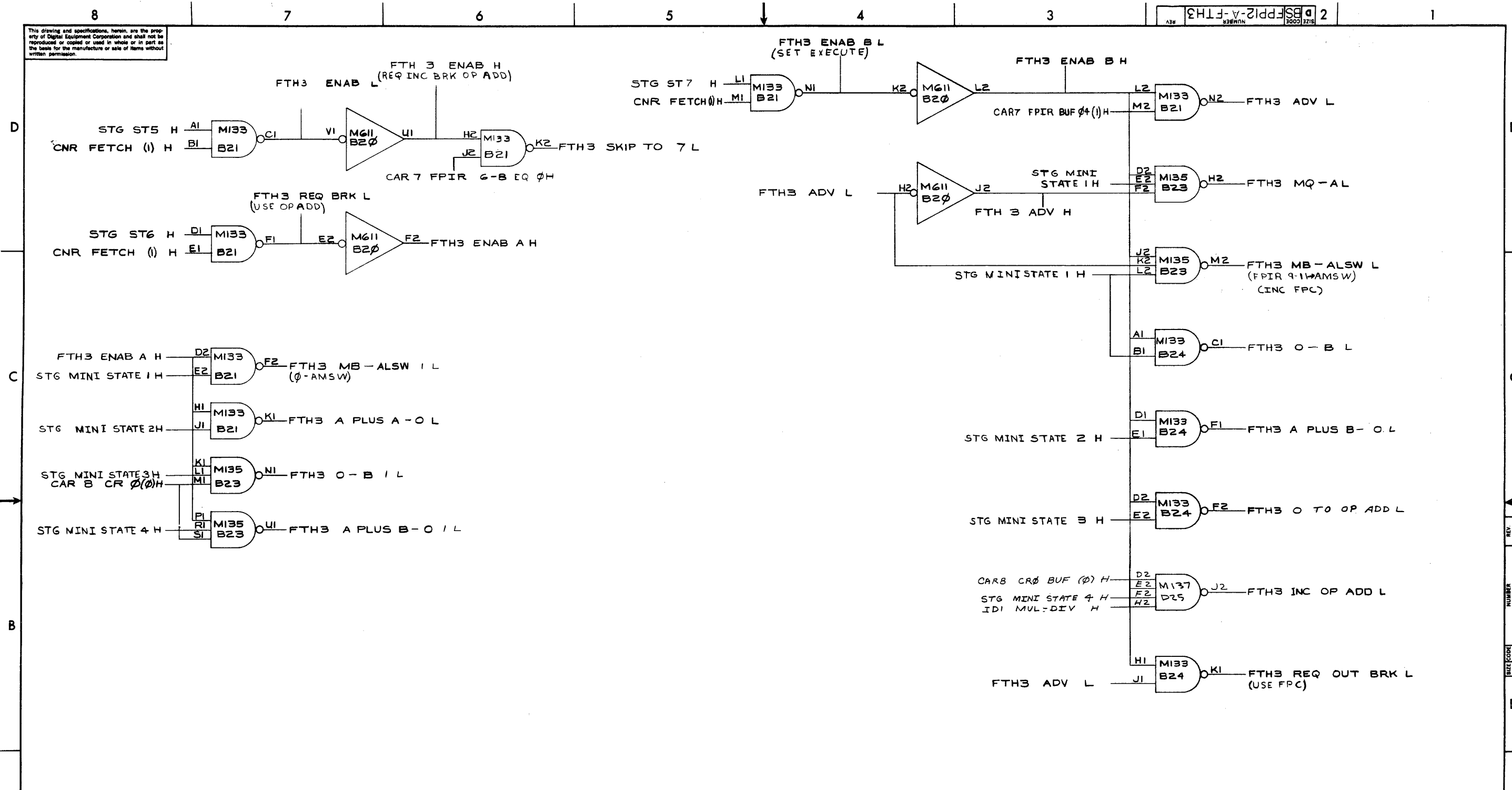
REV. NO. DBSFPPI2-A-FTHI



REV.	CHANGE NO.

FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. DATE	CHK'D. DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE FETCH 2	
DIMENSION IN INCHES	1/10	1/25/72		
TOLERANCES	ENG. DATE	1/25/72		
DECIMALS FRACTIONS ANGLES	PRG. ENG. DATE	1/25/72		
± .005 ± 1/64 ± 0°30'	PRG. DATE	1/25/72	MATERIAL	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PRG. DATE	1/25/72	NEXT HIGHER ASSY	
			B-DD-FPP12-A	
			FINISH	
			SCALE NONE	
			SHEET 1 OF 1	
			D.B.S. FPP12-A-FTH 2	

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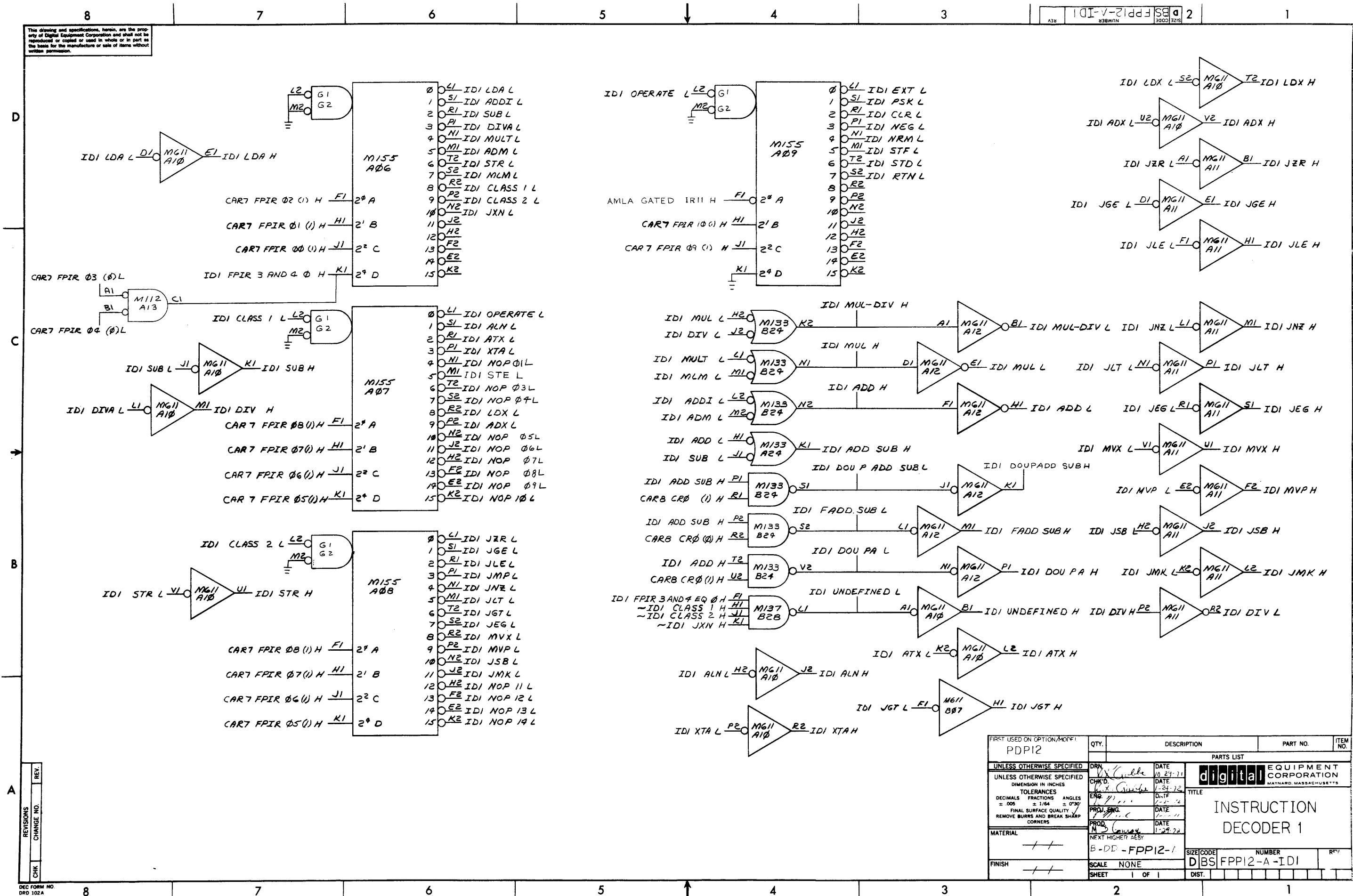


REV	CHANGE NO

DEC FORM NO DRD 102A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE FETCH 3				
MATERIAL B-DD-FPPI2-A				
FINISH				
SCALE				
SHEET 1 OF 1				
SIZE CODE NUMBER REV. D BSFPP12-A-FTH3				

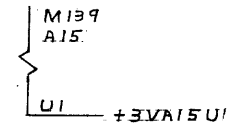
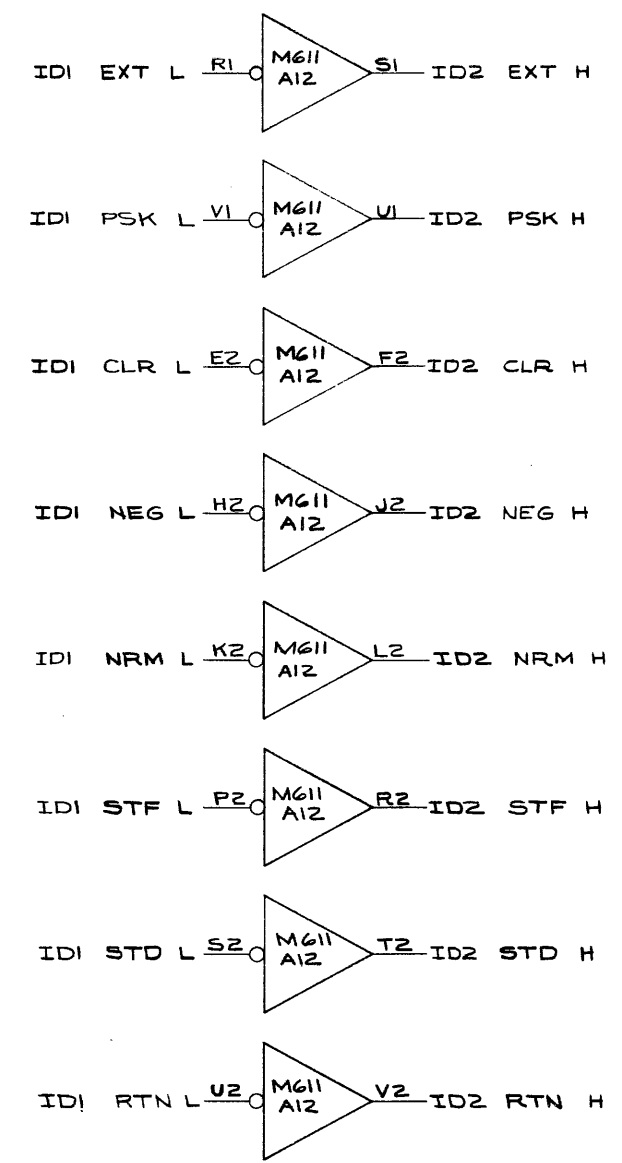
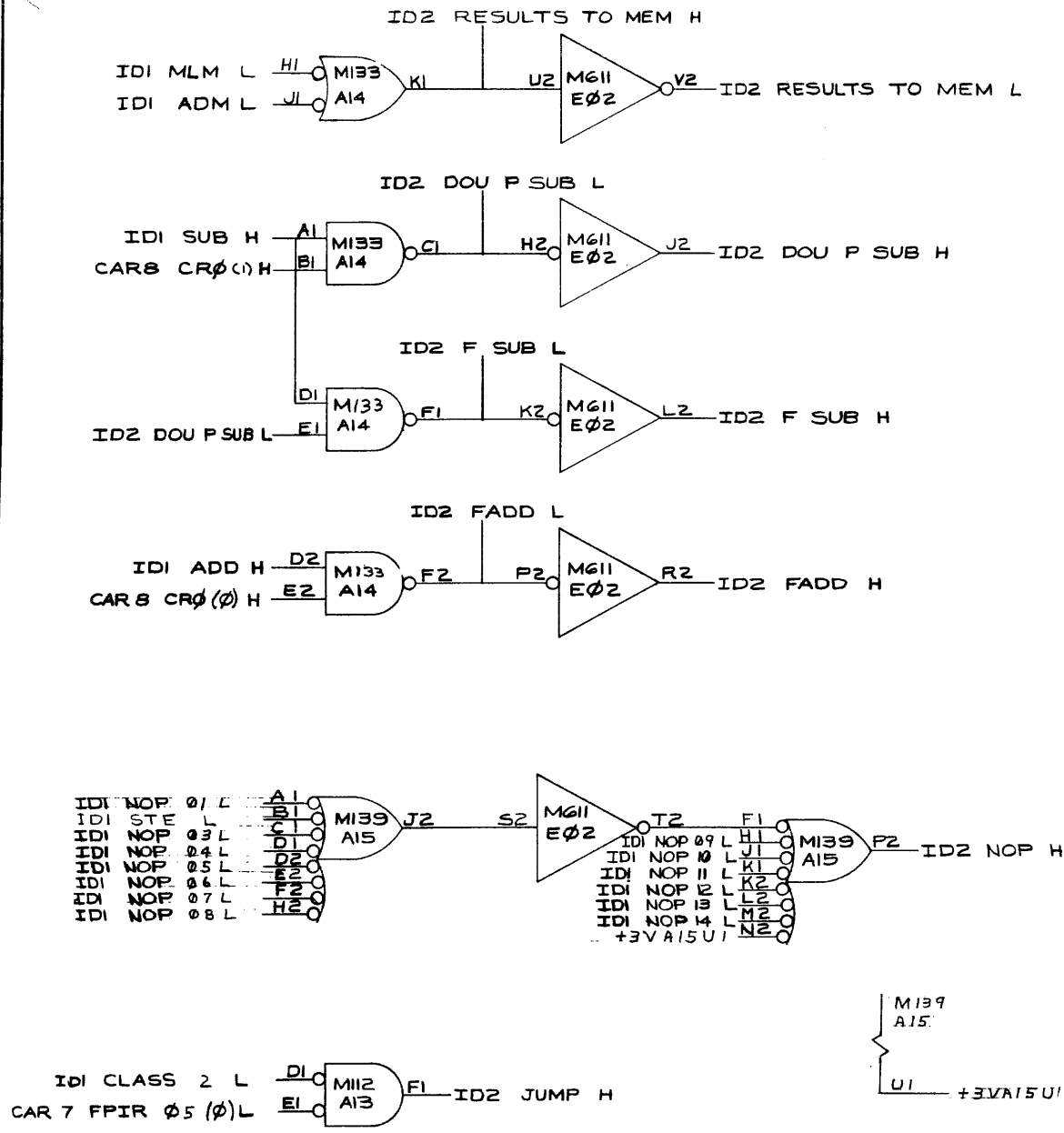
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FIRST USED ON OPTION/MODIF.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED		DRN	DATE	
DIMENSION IN INCHES		CHK'D	DATE	
TOLERANCES		ENG	DATE	
DECIMALS	FRACTIONS	PROJ. ENG.	DATE	
± .005	± 1/64	PROD. M.	DATE	
ANGLES ± 0°30'		NEXT HIGHER ASST.		
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		B-DD-FPP12-1		
MATERIAL	FINISH	SCALE	NONE	
++	++	SHEET	1 OF 1	
TITLE		SIZE CODE	NUMBER	REV.
INSTRUCTION DECODER 1		D BS	FPP12-A-IDI	
DIST.				

REV.	CHANGE NO.

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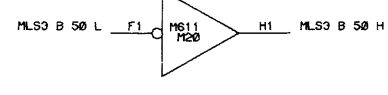
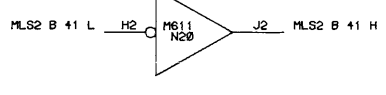
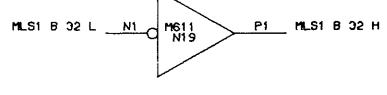
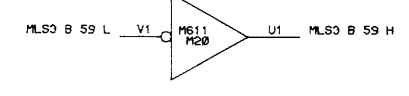
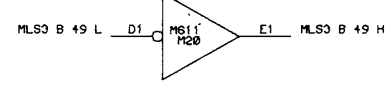
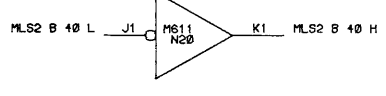
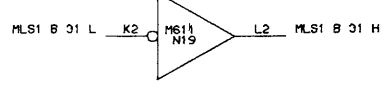
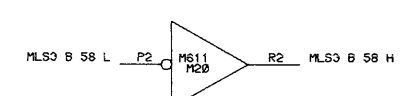
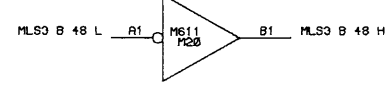
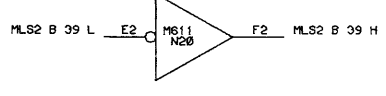
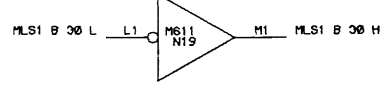
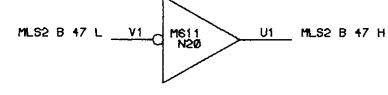
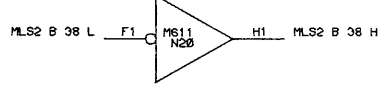
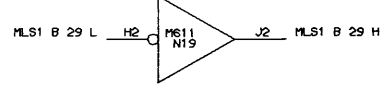
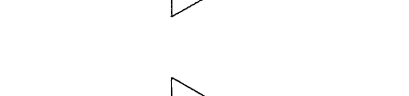
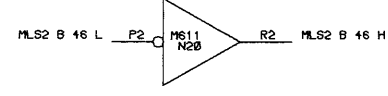
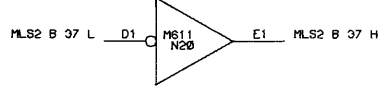
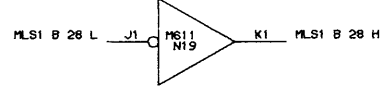
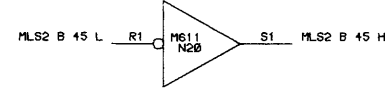
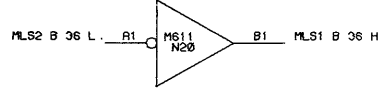
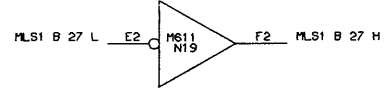
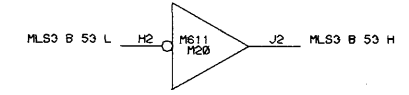
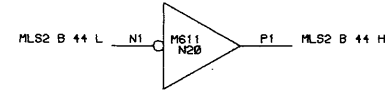
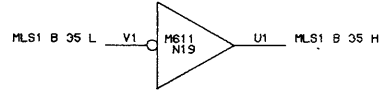
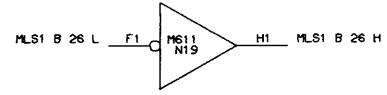
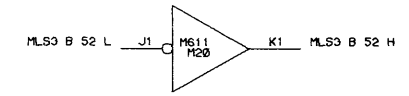
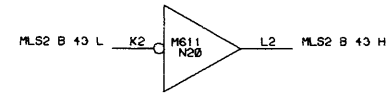
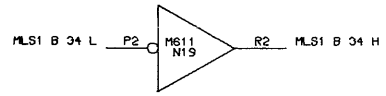
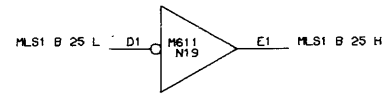
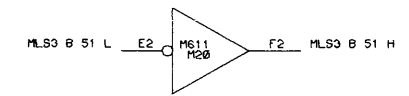
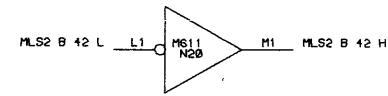
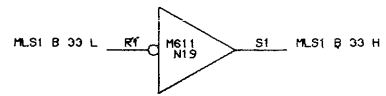
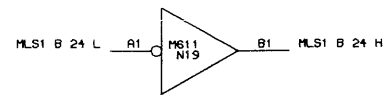
REV.
CHANGE NO.
REVISIONS
CHK

DEC FORM NO. 080-102A

FIRST USED ON OPTION MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
UNLESS OTHERWISE SPECIFIED	DATE	PARTS LIST		
DIMENSION IN INCHES	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
TOLERANCES	DATE	TITLE		
DECIMALS FRACTIONS ANGLES	DATE	INSTRUCTION DECODER 2		
± .005 ± .1/64 ± .030	DATE	SIZE CODE NUMBER REV.		
FINAL SURFACE QUALITY	DATE	DBS FPP12-A-ID2		
REMOVE BURRS AND BREAK SHARP CORNERS	DATE	SHEET 1 OF 1		
MATERIAL	DATE	SCALE		
NEXT HIGHER ASSY BEDD-FPP12-A.	DATE	DIST.		
FINISH	DATE			

REV. NUMBER DBS FPP12-A-ID2

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NOTE: IN LOCATIONS N19, N20 AND M20, PINS C1, M2 AND N2 ARE GROUNDED

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN <i>[Signature]</i> DATE 11/27/71	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	CHK'D <i>[Signature]</i> DATE 12-4-71	TITLE	
.XXX = .006	±0° 30'	ENG <i>[Signature]</i> DATE 1-12-72	MULTIPLEXER LEAST SIG	
.XX = .02		PROJ. ENG. <i>[Signature]</i> DATE 1-2		
.X = .1		PROD <i>[Signature]</i> DATE 1-29-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.	SIZE CODE	NUMBER
MATERIAL		B00- FPP12-A	D BS	FPP12-A-NLS
FINISH		SCALE NONE		REV.
		SHEET 1 OF 1	DIST.	

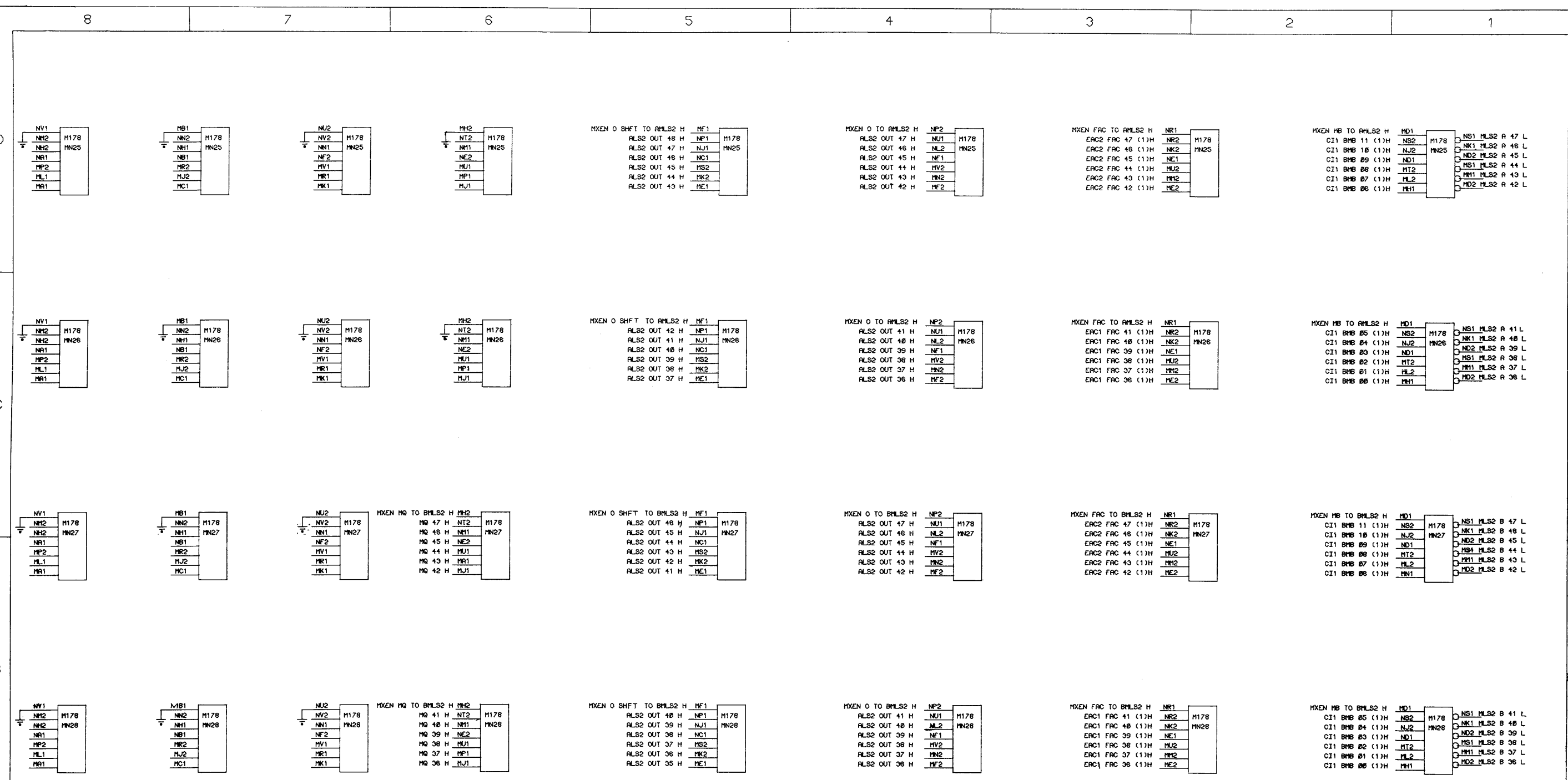
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REVISIONS		
CHK.	CHANGE NO.	REV.

NOTE: THESE PINS ARE GROUNDED
M21N1
N21L1
M22N1
N22L1
M23N1
N23L1
M24N1
N24L1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.		
POP12						
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>Joan Rogers</i>	DATE 12/6/77	 digital EQUIPMENT CORPORATION <small>MAYFORD MASSACHUSETTS</small>			
DECIMALS	CHK'D. <i>[Signature]</i>	DATE 12-6-77				
ANGLES	ENG. <i>[Signature]</i>	DATE 12-21-77				
.XXX = .008 .XX = .02 .X = .1	PROJ. ENG. <i>[Signature]</i>	DATE 12-21-77				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. <i>[Signature]</i>	DATE 1-24-78	TITLE MULTIPLEXER LEAST 818 WORD 1			
MATERIAL	NEXT HIGHER ASSY.				SIZE CODE	NUMBER
FINISH	SCALE				D	BS
	B-DD-FPP12-A		FPP12-A-MLS1			
	SCALE		REV.			
	SHEET 1 OF 1		DIST.			



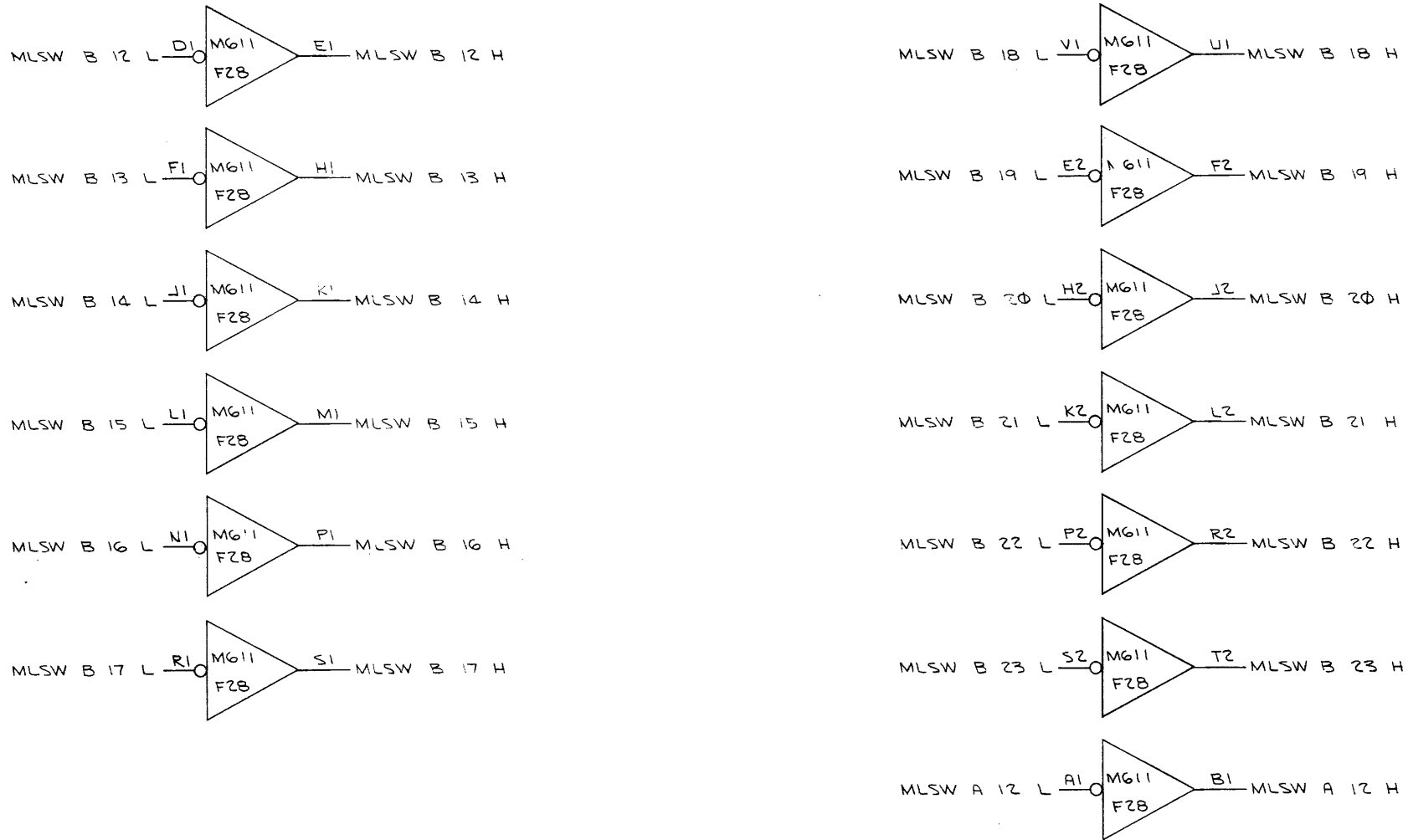
NOTE: THESE PINS ARE GROUNDED
M25N1
M25L1
M26N1
M26L1
M27N1
M27L1
M28N1
M28L1

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN <i>John Rego</i>	DATE 2-6-77	digital CORPORATION <small>BAYBURN MASSACHUSETTS</small>
TOLERANCES		CHK'D <i>[Signature]</i>	DATE 6-6-77	
DECIMALS .XXX - .008	ANGLES 20° 30'	ENG. <i>[Signature]</i>	DATE 7-18-77	
.XX - .02		PROJ. ENG. <i>[Signature]</i>	DATE 6-21-77	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD. <i>[Signature]</i>	DATE 6-29-77	MULTIPLEXER LEAST 310 WORD 2
MATERIAL <i>11</i>		NEXT HIGHER ASSY.		
FINISH <i>12</i>		B-DD-FPP12-A		SIZE CODE D BS
SCALE NONE		NUMBER FPP12-A-PLS2		REV.
SHEET 1 OF 1		DST.		

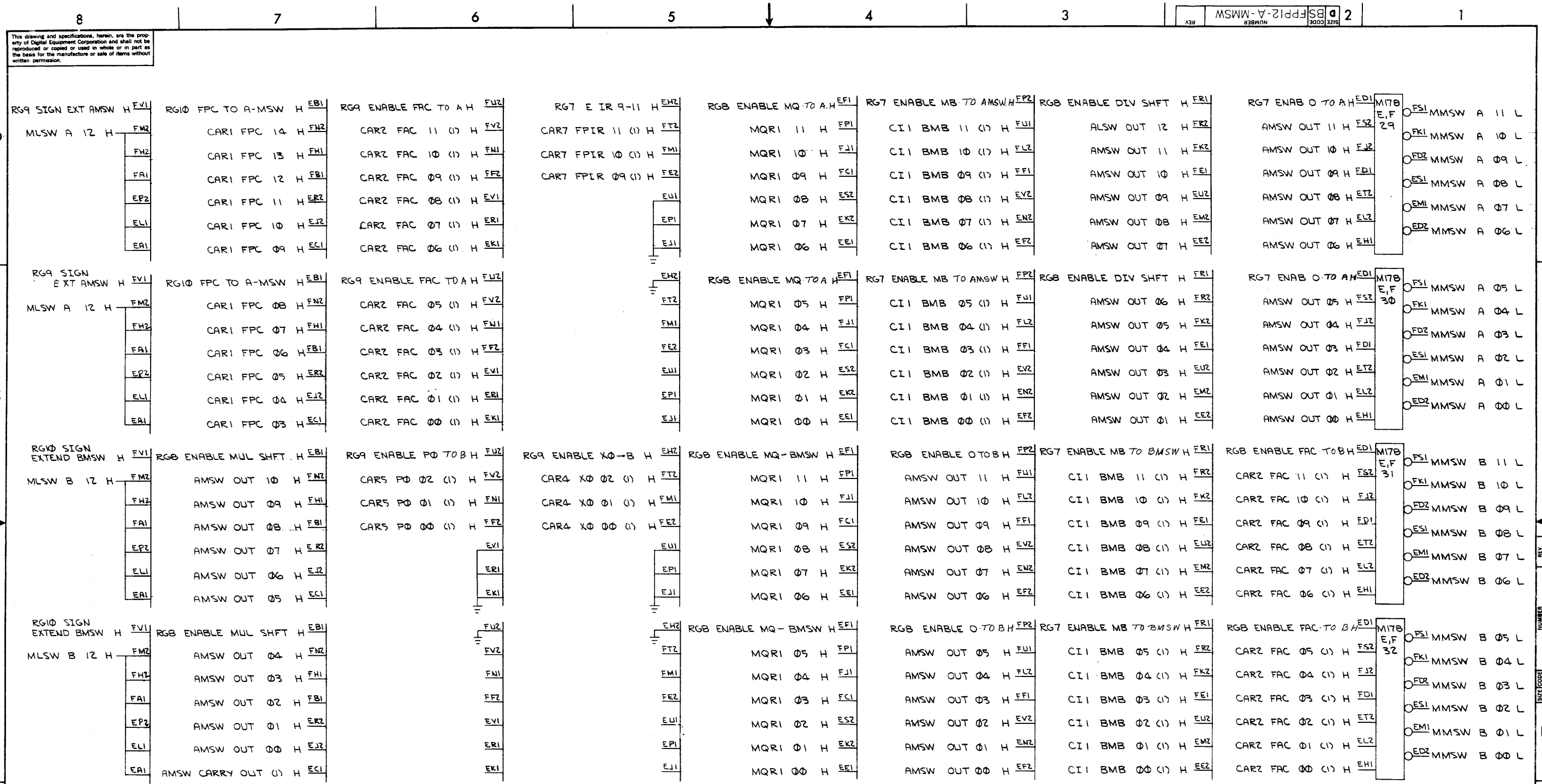
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REV. NUMBER
 D BS FPP12-A-MLSW 2



REV.	
CHANGE NO.	
CHK	

FIRST USED ON OPTION / MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN 10-24-71	DATE 10-24-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'	CHK'D 10-24-71	DATE 10-24-71	TITLE MULTIPLEXER LEAST SIG WORD	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	ENG. 10-24-71	DATE 10-24-71	MATERIAL NEXT HIGHER ASSY B-DD-FPP12-A	
FINISH	PROD. 10-24-71	DATE 10-24-71	SCALE SHEET 2 OF 2	
			SIZE CODE D BS FPP12-A-MLSW	NUMBER 2
			REV.	

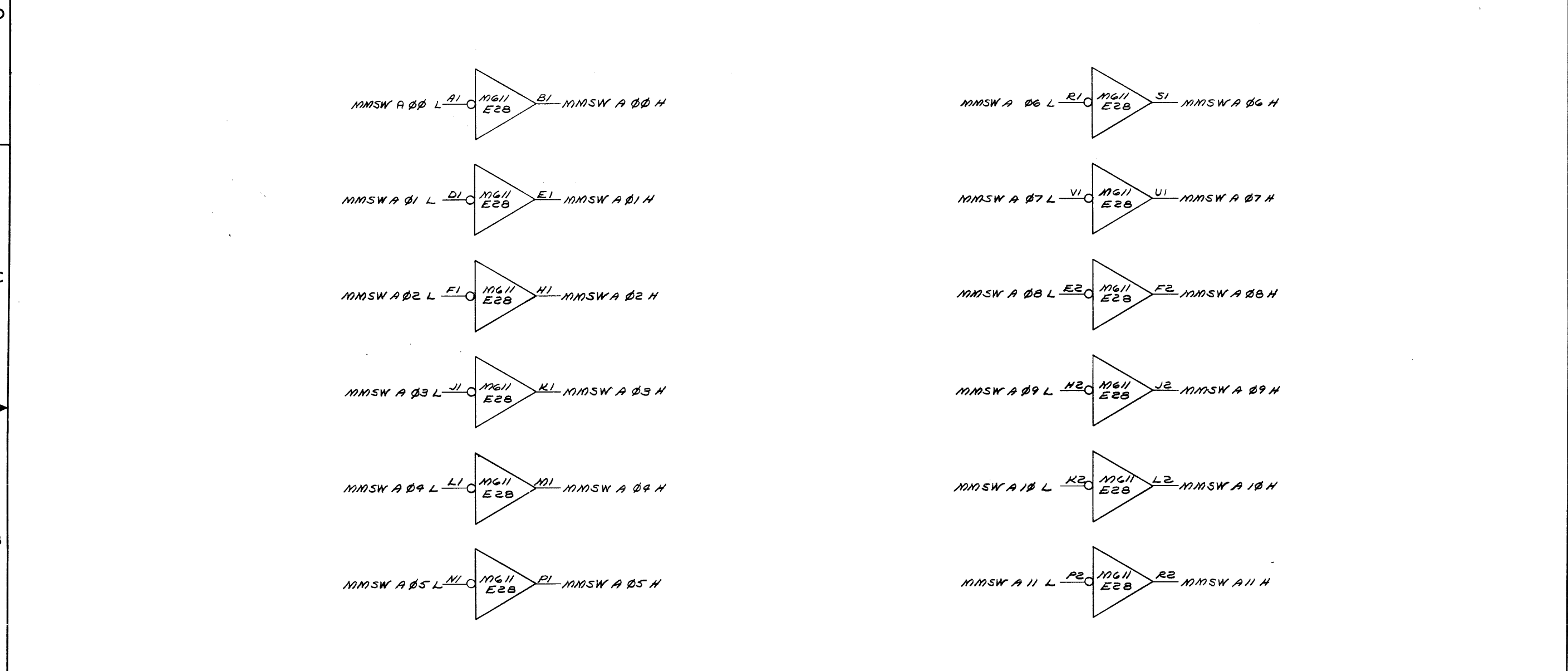


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FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION WATNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE		
DIMENSION IN INCHES	ENG	DATE		
TOLERANCES	PROJ. ENG.	DATE		
DECIMALS FRACTIONS ANGLES	PROD	DATE	TITLE MULTIPLEXER MOST SIG WORD	
= .005 = 1/64 = 0°30'			MATERIAL NEXT HIGHER ASSY B-DD-FPPI2-A	
FINAL SURFACE QUALITY			FINISH SCALE SHEET 1 OF 2	
REMOVE BURRS AND BREAK SHARP CORNERS			SIZE CODE NUMBER D BS FPPI2-A-MMSW	
			DIST.	

REV	
CHANGE NO.	
CHK	

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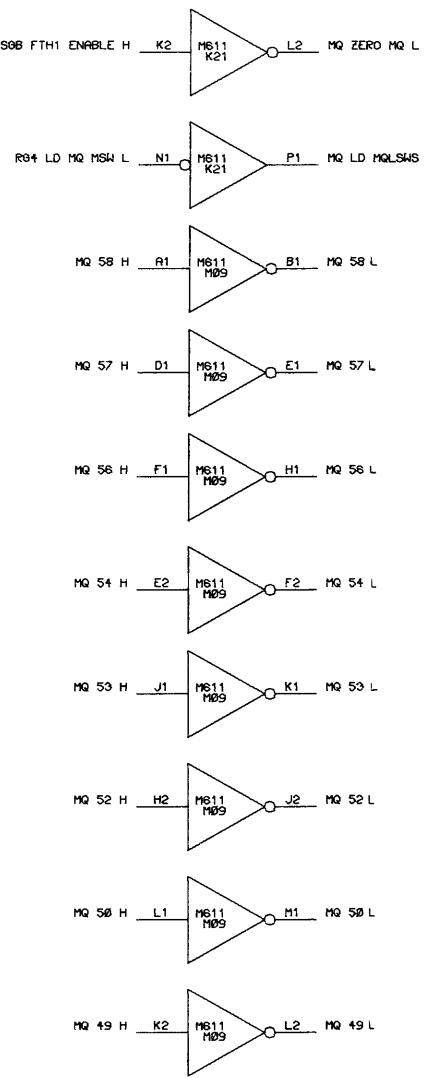
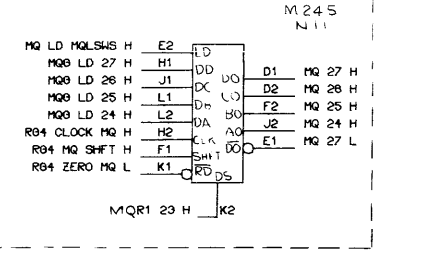
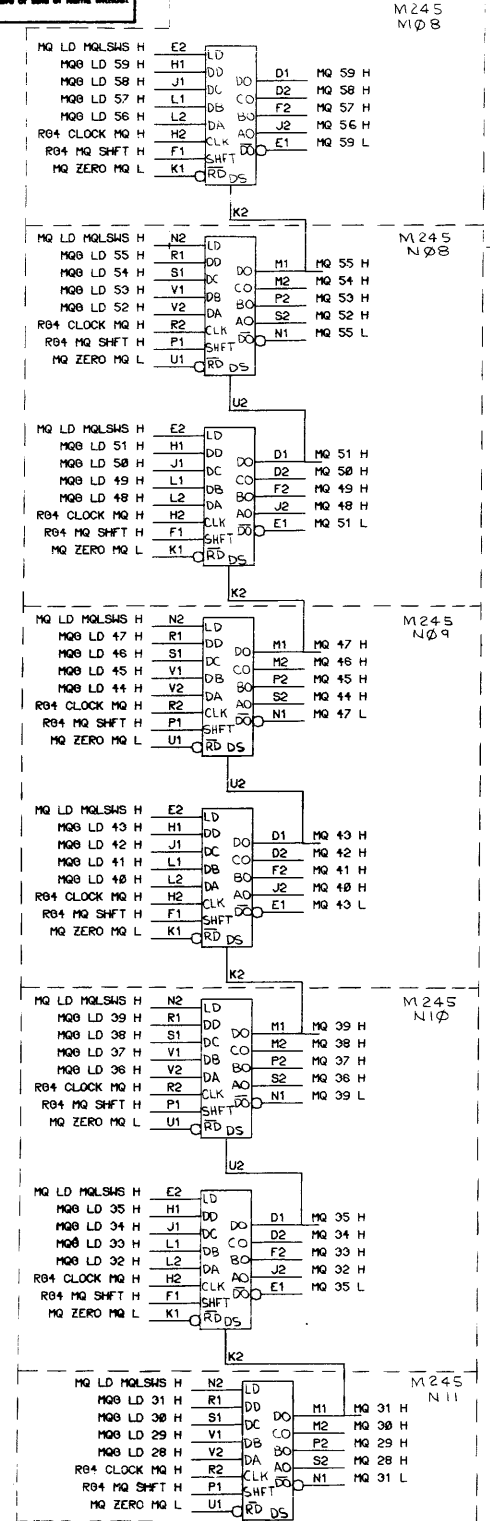
REV	
CHANGE NO.	
CHK	

DEC FORM NO. 102A

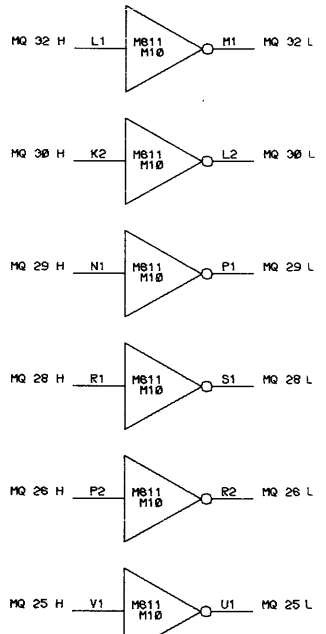
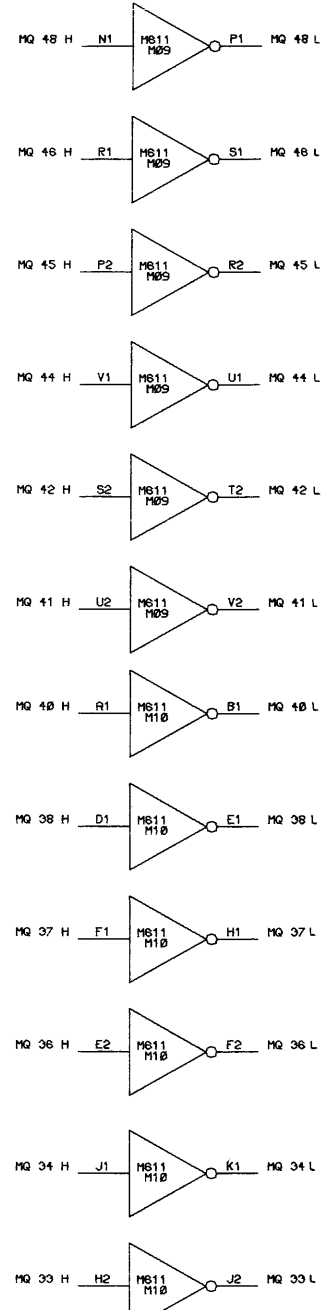
FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES = .005 = 1/64 = 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN <i>J. Roberts</i>	DATE 12-11-71	 digital CORPORATION MAYNARD, MASSACHUSETTS TITLE MULTIPLEXER MOST SIG WORD	
	CHK'D. <i>D. J. O'Leary</i>	DATE 1-28-72		
	ENG. <i>J. Morris</i>	DATE 1-28-72		
	PROJ. ENG. <i>J. Morris</i>	DATE 1-28-72		
MATERIAL //	PROD. <i>M. S. Conway</i>	DATE 1-29-72	NEXT HIGHER ASSY B-DD-FPPI2-A	
FINISH //	SCALE NONE	SHEET 2 OF 2	SIZE CODE D BS	NUMBER FPPI2-A-MMSW

REV
D BS FPPI2-A-MMSW

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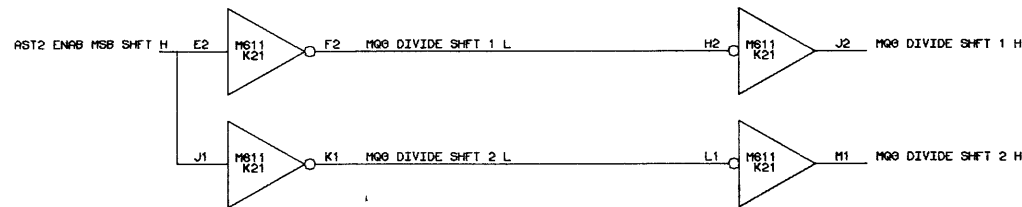
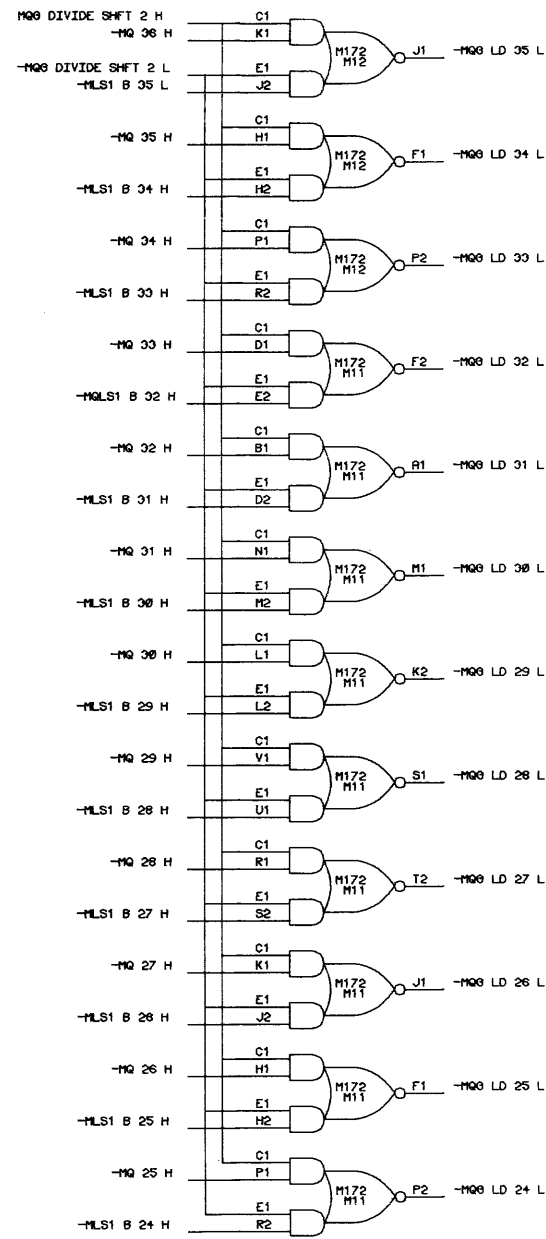
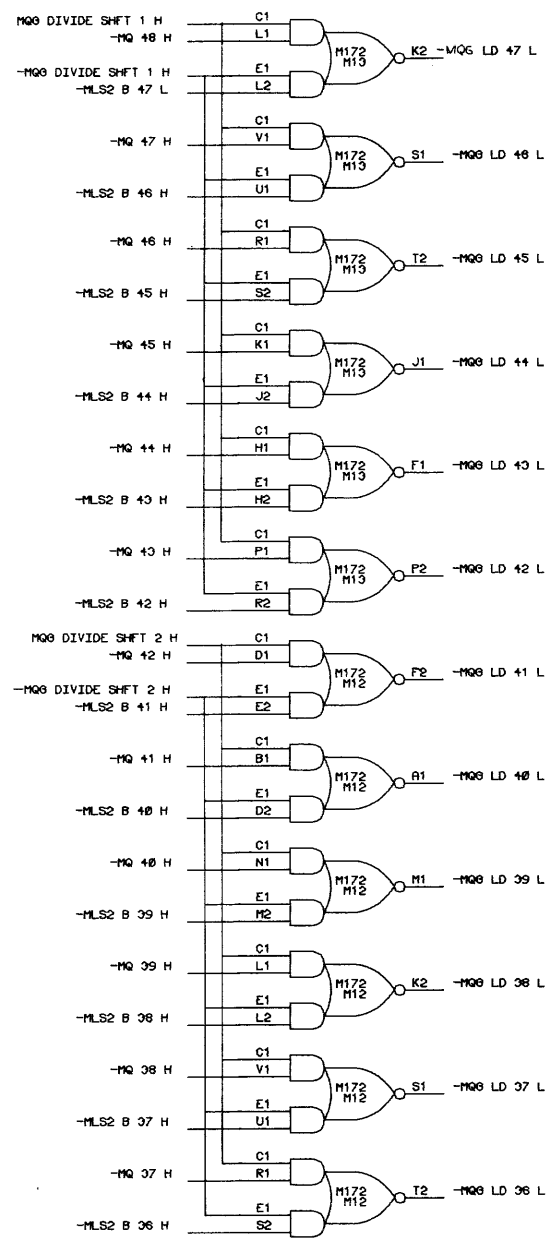
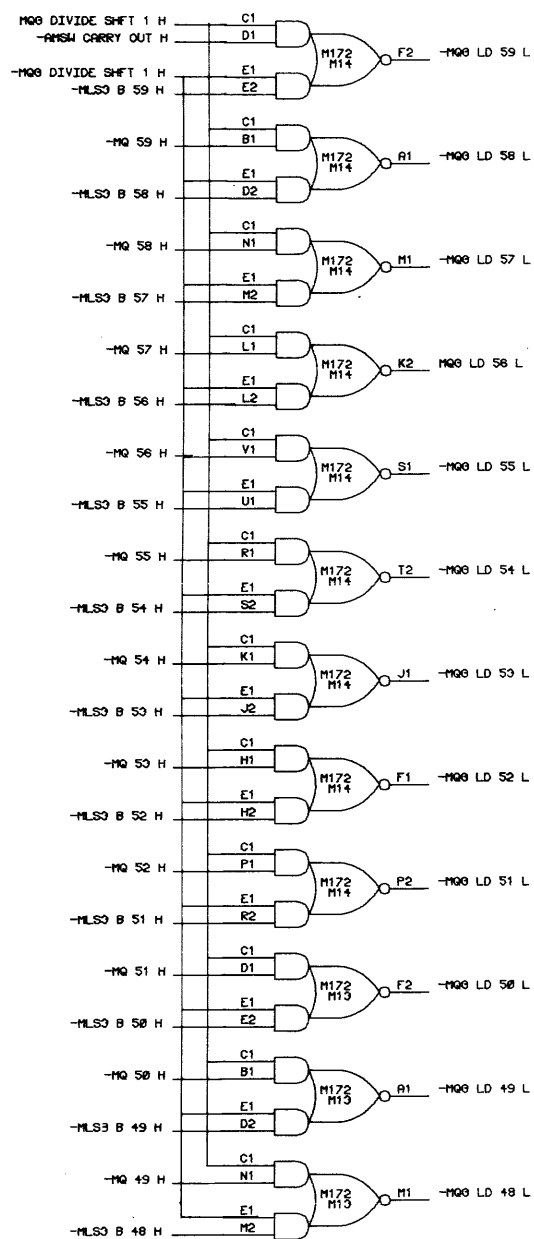
NOTE: IN LOCATIONS M209 AND M100, PINS C1, M2 AND N2 ARE GROUNDED



REVISIONS	
CHK.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
POP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>Joan Rogers</i>	DATE <i>1/29/71</i>	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>	
DECIMALS .XXX = .005 .XX = .02 .X = .1	CHK'D <i>B. Egan</i>	DATE <i>12-71</i>		
ANGLES ±0° 30'	ENG. <i>J. M. ...</i>	DATE <i>1-22-72</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. <i>J. M. ...</i>	DATE <i>1-22-72</i>		
MATERIAL	PROD. <i>M. J. ...</i>	DATE <i>1-22-72</i>	TITLE MULTIPLIER QUOTIENT	
FINISH	NEXT HIGHER ASSY.	B-DD-FPP12-A	SIZE CODE	NUMBER
	SCALE NONE	D BS	FPP12-A-MQ	REV.
	SHEET 1 OF 1	DIST.		

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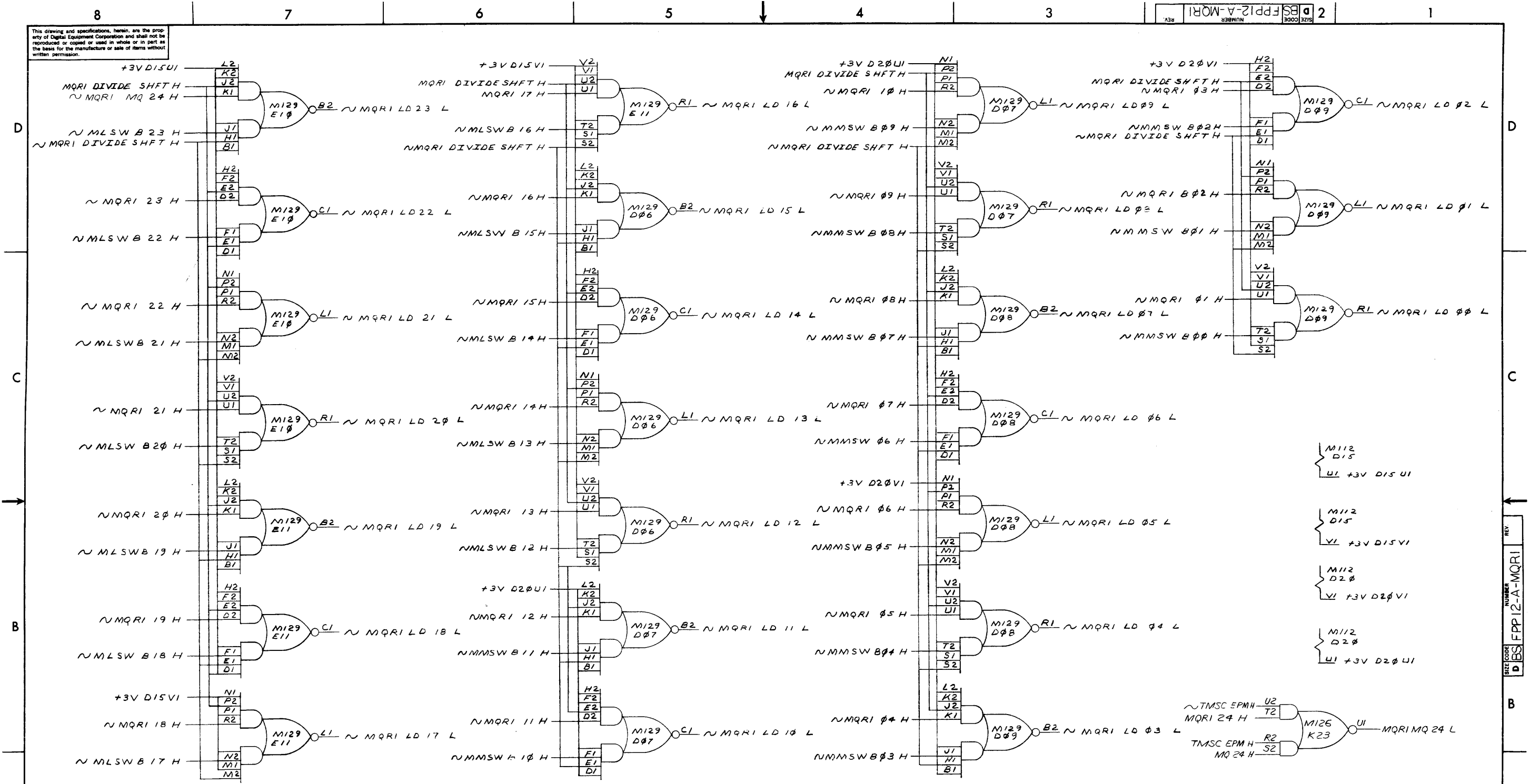


NOTE: THESE PINS ARE GROUNDED
M11N2
M12N2
M13N2
M14N2

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN. <i>[Signature]</i>	DATE 12-3-71	digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>
TOLERANCES		CHK'D <i>[Signature]</i>	DATE 12-6-71	
DECIMALS .XXX - .006	ANGLES ±0° 30'	ENG. <i>[Signature]</i>	DATE 1-25-72	
.XX - .02		PROJ. ENG. <i>[Signature]</i>	DATE 1-1-72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD. <i>[Signature]</i>	DATE 1-29-72	TITLE MULTIPLIER QUOTIENT ORTING
MATERIAL <i>++</i>		NEXT HIGHER ASSY.		SIZE CODE
FINISH <i>++</i>		B-DD-FPP12-A		NUMBER
		SCALE NONE		FPP12-A-M00
		SHEET 1 OF 1		REV.

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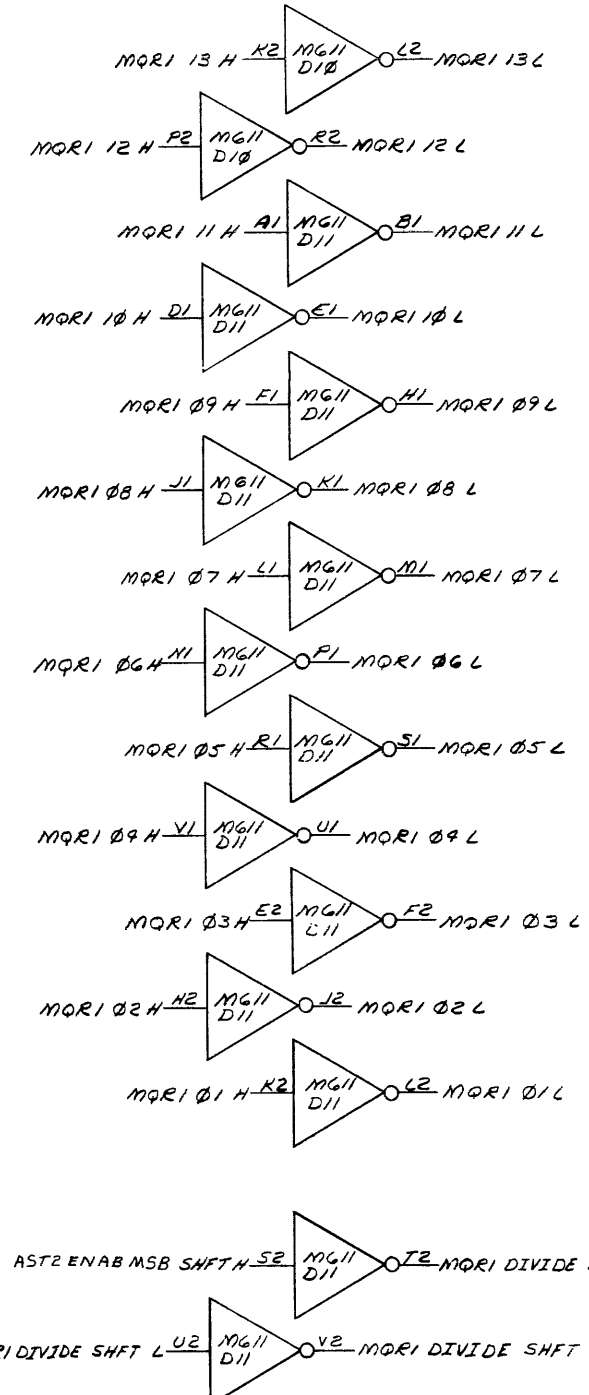
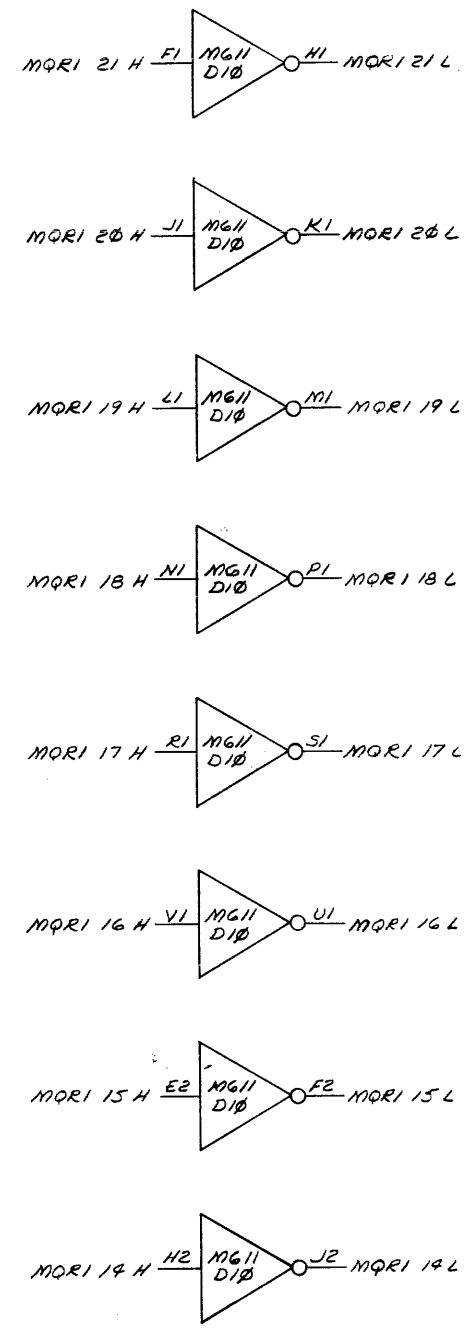
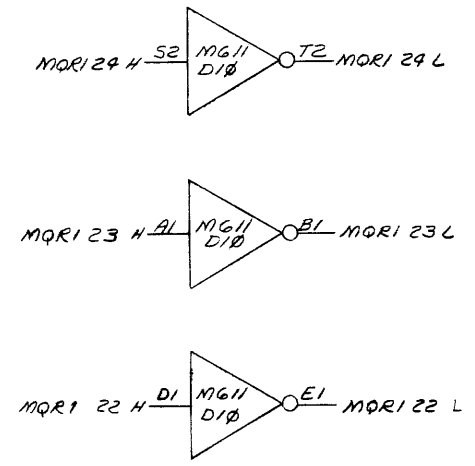
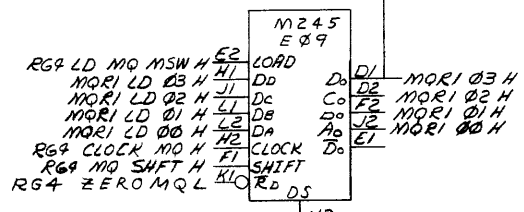
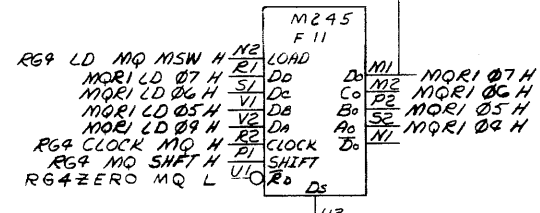
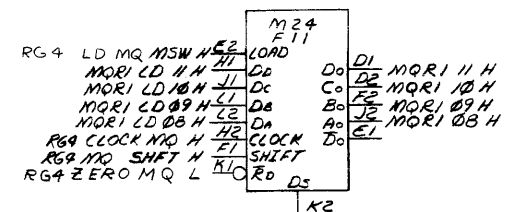
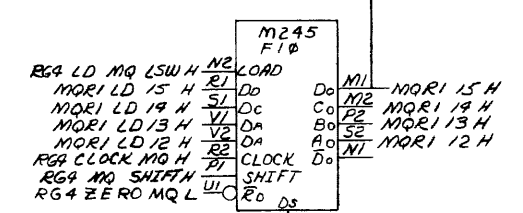
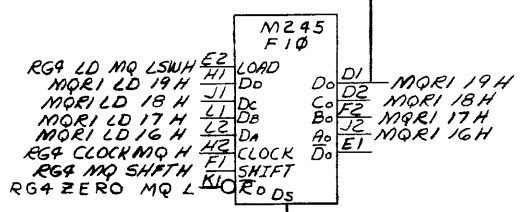
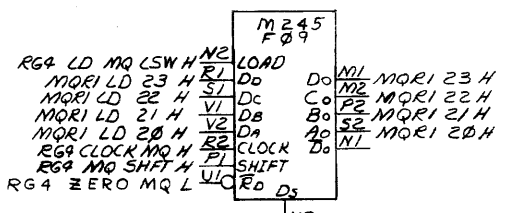
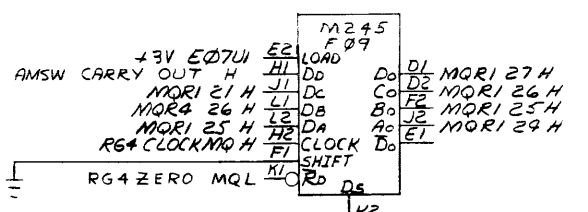


REV	NO.
CHG	NO.

FIRST USED ON OPTION/ MOD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPI2				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
	CHK'D	DATE	TITLE	
DIMENSION IN INCHES	ENG	DATE	MULTIPLIER QUOTIENT REGISTER I	
TOLERANCES	PROD. SNG.	DATE	NEXT HIGHER ASSY	
DECIMALS FRACTIONS ANGLES	PROD.	DATE	B-DD-FPP12-A	
± .005 ± 1/64 ± 0°30'			SCALE NONE	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 1 OF 2	
MATERIAL			SIZE CODE NUMBER REV.	
FINISH			D BS FPP12-A-MQRI	

REV. NUMBER SIZE CODE D BS FPP12-A-MQRI

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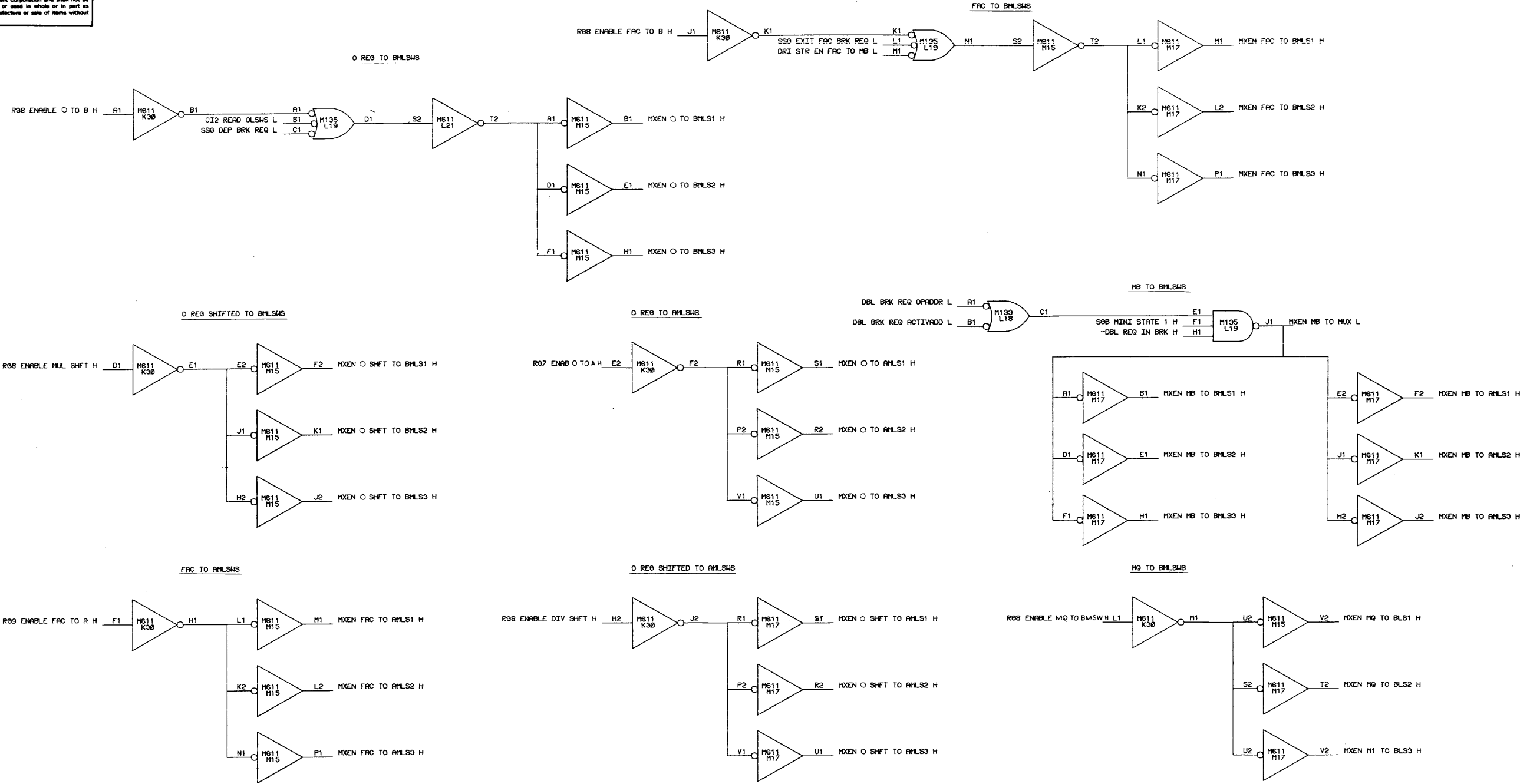


M139 F08
V1 +3VF08V1

FIRST USED ON OPTIM/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDPI2				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. 5 Paketa	DATE 12-15-77	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD. C. J. G. / A. H.	DATE 1-29-78	TITLE MULTIPLIER QUOTIENT REGISTER 1	
DIMENSION IN INCHES	ENG. J. M. C.	DATE 1-2-78	SIZE CODE NUMBER DBS FPP12-A-MQRI	
TOLERANCES	PRD. ENG. J. M. C.	DATE 1-2-78	REV	
DECIMALS FRACTIONS ANGLES	PROD. M. D. Gentry	DATE 1-29-78	SHEET 2 OF 2	
± .005 ± 1/64 ± 0°30'	MATERIAL	NEXT HIGHER CLASSY	DIST.	
FINAL SURFACE QUALITY 1	FINISH	B-DD-FPP12-A		
REMOVE BURRS AND BREAK SHARP CORNERS				

CHK
CHG
REV

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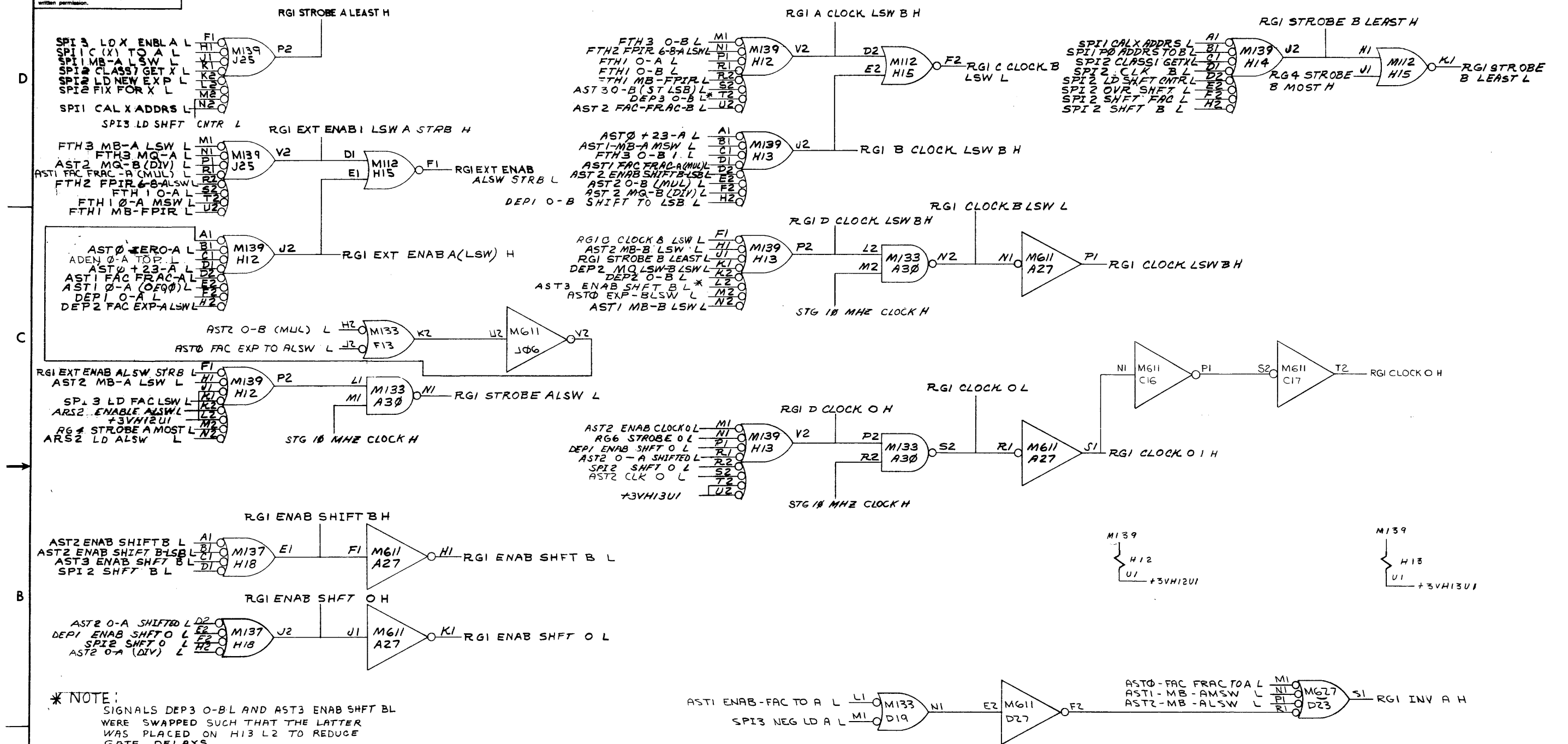


NOTE: IN LOCATIONS M15 AND M17, PINS C1, M2 AND N2 ARE GROUNDING.

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.		DRN: <i>John Foglia</i>	DATE: <i>10/24/71</i>	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>
TOLERANCES		CHK: <i>5</i>	DATE: <i>12-2-71</i>	
DECIMALS	ANGLES	ENG: <i>[Signature]</i>	DATE: <i>1-2-72</i>	
.XXX - .006	±0° 30'	PROJ. ENG: <i>[Signature]</i>	DATE: <i>1-2-72</i>	
.XX - .02		PROD. <i>[Signature]</i>	DATE: <i>1-2-72</i>	TITLE
.X - .1				MULTIPLYER ENABLES (EXTENDED MODE)
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.		
MATERIAL: <i>1-1</i>		B-DD--PPI2-A		SIZE CODE
FINISH: <i>1-1</i>		SCALE: NONE		D BS
SHEET 1 OF 1		DIST.		NUMBER
				REV.

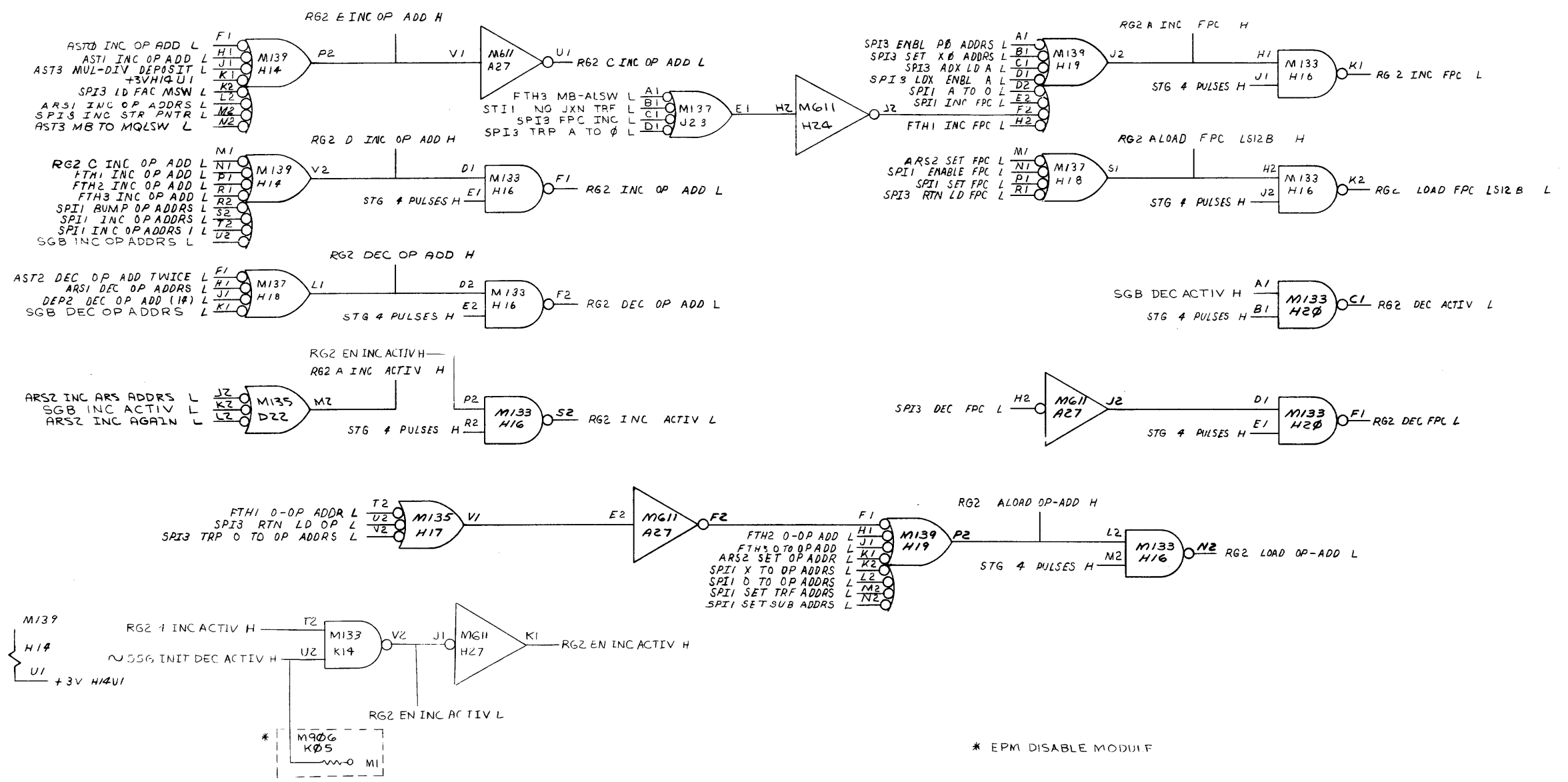
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REV	
CHG	
CHK	

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRW. DATE	 REGISTER GATING I		
UNLESS OTHERWISE SPECIFIED	CHK'D. DATE			
TOLERANCES	ENG. DATE			
DECIMALS FRACTIONS ANGLES	PRG. ENG. DATE			
± .005 ± 1/64 ± 0°30'	PROD. DATE	SCALE		
FINAL SURFACE QUALITY		SHEET 1 OF 1		
REMOVE BURRS AND BREAK SHARP CORNERS		DIST.		
MATERIAL	NEXT HIGHER ASSY	SIZE CODE NUMBER REV.		
FINISH		DBSFPPI2-A-RG1		

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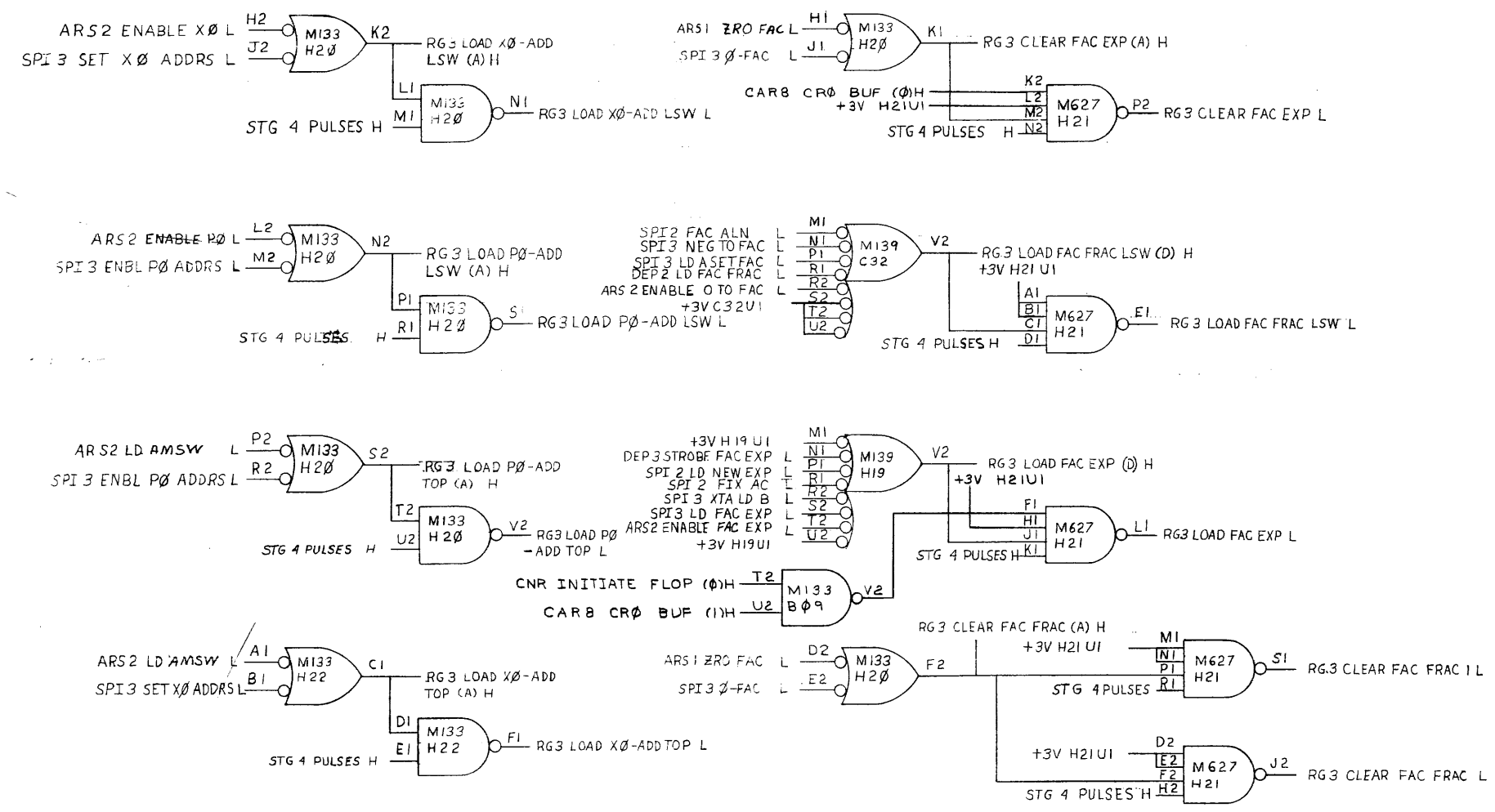


* EPM DISABLE MODULE

REV	A
CHG	
NO	

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE	
DIMENSION IN INCHES	ENG	DATE	REGISTER GATING 2	
TOLERANCES	PROJ. ENG.	DATE	MATERIAL	
DECIMALS FRACTIONS ANGLES	PROD	DATE	FINISH	
± .005 ± 1/64 ± 0°30'			B-P-D-FPP12-A	
FINAL SURFACE QUALITY			SCALE NONE	
REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 1 OF 1	
			DIST.	

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M627
 H21
 U1 +3V H21U1

M139
 H19
 U1 +3V H19U1

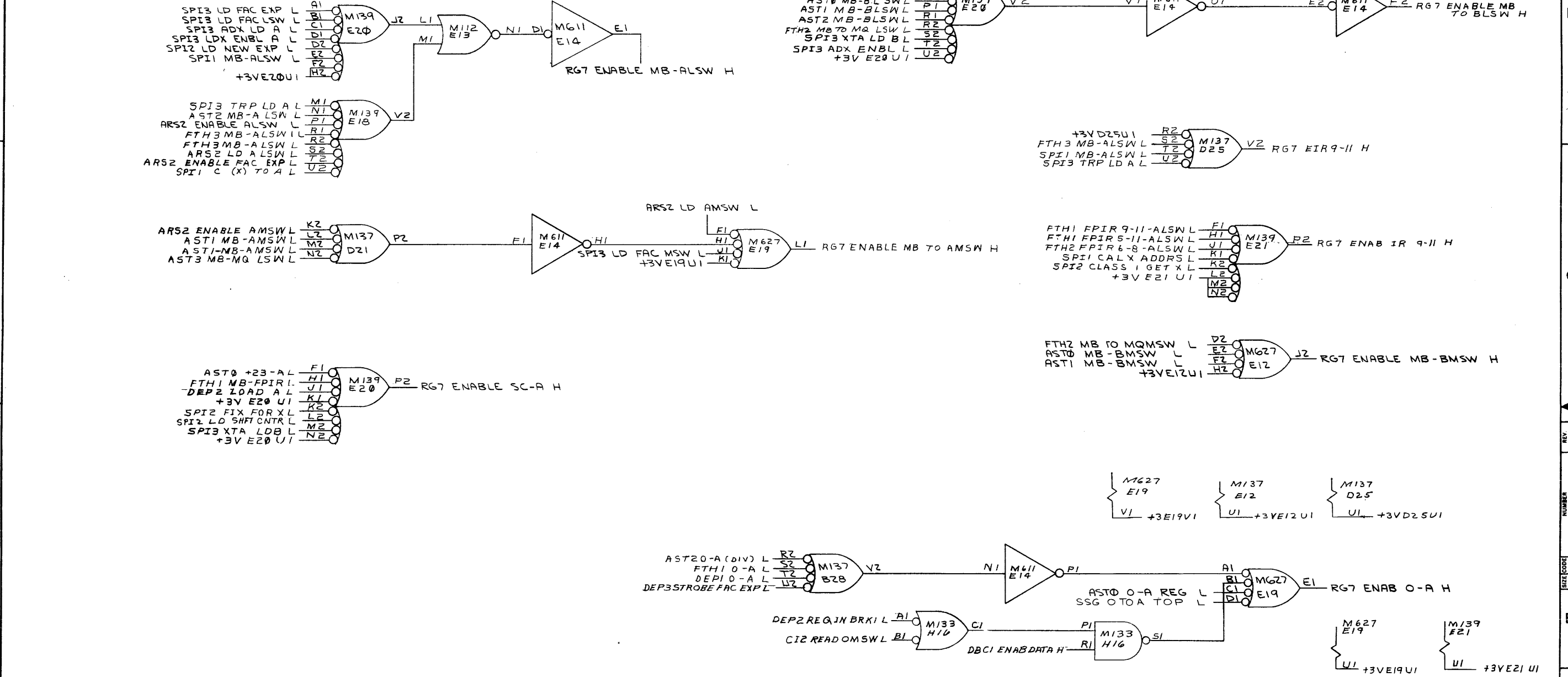
NUMBER FPP12-A-RG3
 SIZE CODE D
 BS

REV.	
CHANGE NO.	
REVISIONS	
CHK	

DEC FORM NO PRD 102A

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12					
UNLESS OTHERWISE SPECIFIED					
DIMENSION IN INCHES		CHK'D	DATE	PARTS LIST	
TOLERANCES		ENG.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	FRACTIONS	PROG. ENG.	DATE	TITLE	
± .005	± 1/64	PROD.	DATE	REGISTER GATING 3..	
FINAL SURFACE QUALITY		FIN.	DATE	SIZE CODE	NUMBER
REMOVE BURRS AND BREAK SHARP CORNERS				B-CC-FPP12-A	D BS FPP12-A-RG3
MATERIAL				SCALE	NONE
				SHEET	OF /
FINISH				DIST.	

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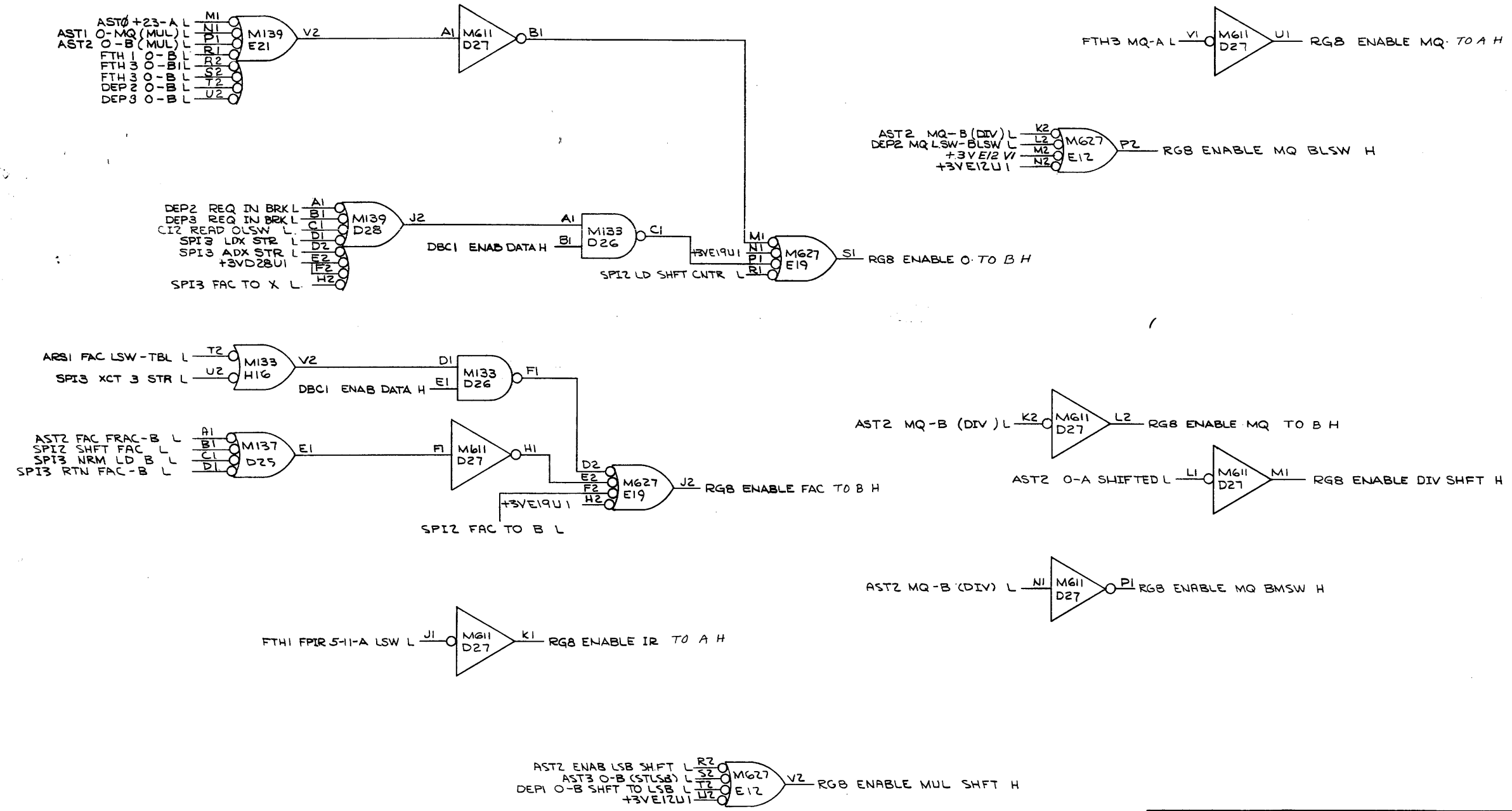
M627 E19 V1 +3E19V1
M137 E12 U1 +3VE12U1
M137 D25 U1 +3VD25U1

M627 E19 U1 +3VE19U1
M139 E21 U1 +3VE21U1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRW. DATE 10-29-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED	CHKD. DATE 11-24-71			
UNLESS OTHERWISE SPECIFIED	ENGR. DATE 11-24-71			
UNLESS OTHERWISE SPECIFIED	PROJ. ENG. DATE 11-24-71			
DIMENSION IN INCHES		TITLE		
TOLERANCES		MULTIPLEXER ENABLES I		
DECIMALS FRACTIONS ANGLES				
± .005 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY		SIZE CODE NUMBER		
REMOVE BURRS AND BREAK SHARP CORNERS		D B S F P P I 2 - A - R G 7		
MATERIAL		REV.		
FINISH		DIST.		

REVISIONS	REV
CHANGE NO	
CHK	

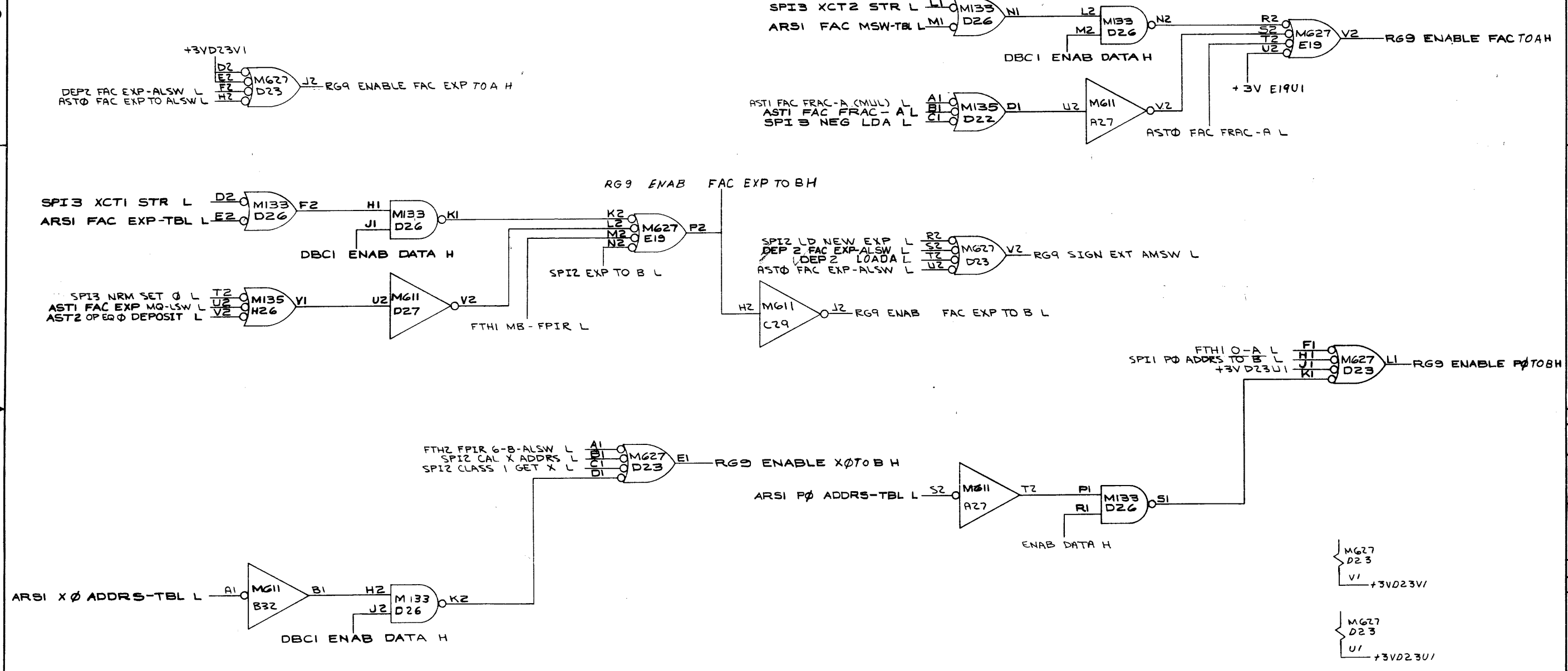
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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE MULTIPLEXER ENABLES 2	
DIMENSION IN INCHES	ENG	DATE		
TOLERANCES	PROJ ENG	DATE		
DECIMALS FRACTIONS ANGLES	PROD	DATE		
± .005 ± 1/64 ± 0°30'			SCALE NONE	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 1 OF 1	
MATERIAL	NEXT	ER ASSY	SIZE CODE NUMBER REV.	
FINISH			DBS FPP12-A-RG8	
			DIST.	

REV.	CHANGE NO.	CHK

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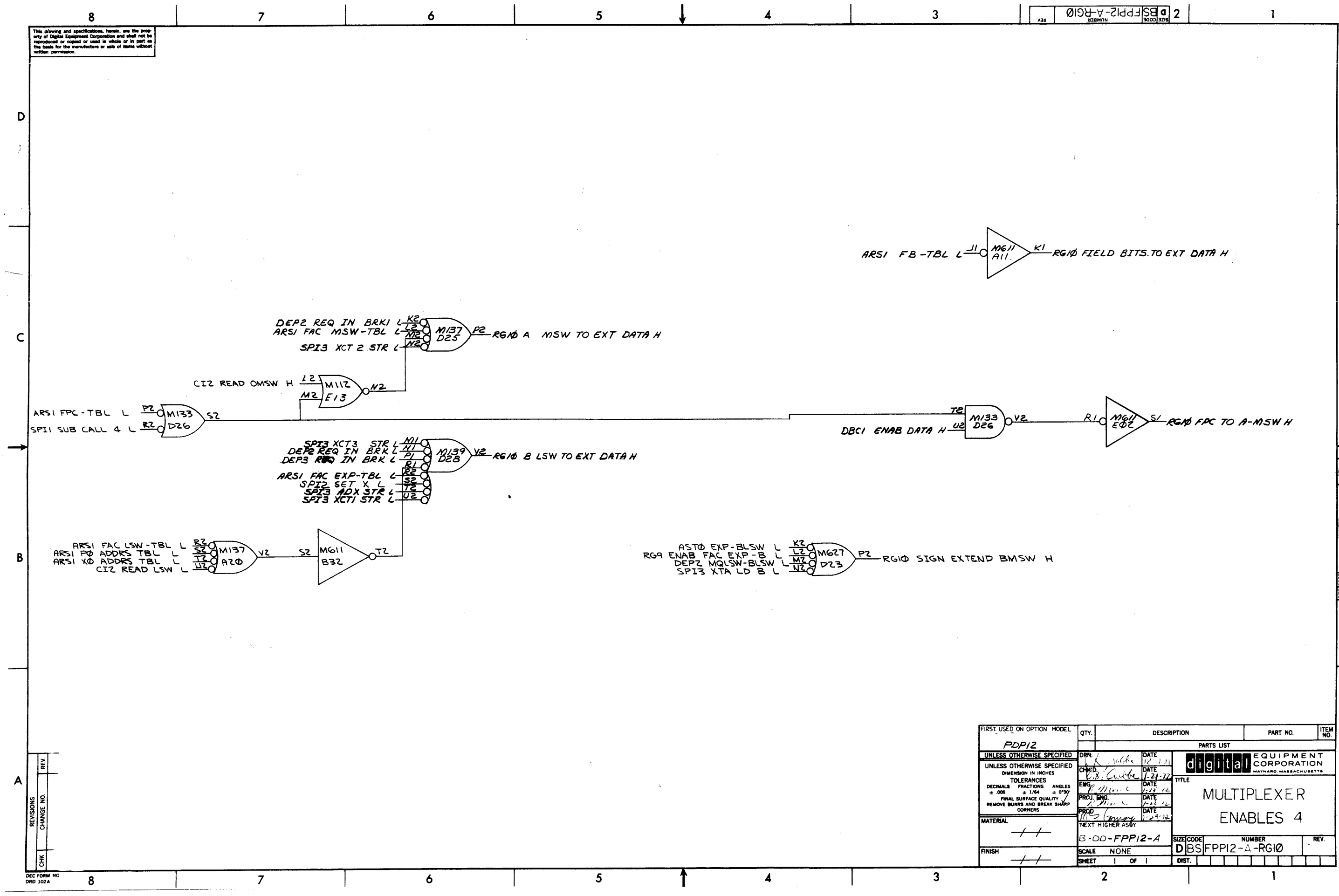
REV. 1	CHK	CHANGE NO.	REV.
REVISIONS			
DEC FORM NO. ORD 102A			

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD.	DATE	TITLE	
DIMENSION IN INCHES	ENG.	DATE	MULTIPLEXER ENABLES 3	
TOLERANCES	PROJ. ENG.	DATE	B-DD-FPP12-A	
DECIMALS FRACTIONS ANGLES	PROD.	DATE	SIZE CODE NUMBER REV.	
± .005 ± 1/64 ± 0°30'			DBSFPP12-A-RG9	
FINAL SURFACE QUALITY			DIST.	
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASSY			
FINISH	SCALE			
	SHEET	1 OF 1		

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D
 C
 B
 A

D
 C
 B
 A



REV. NUMBER
 BS FPP12-A-RG10

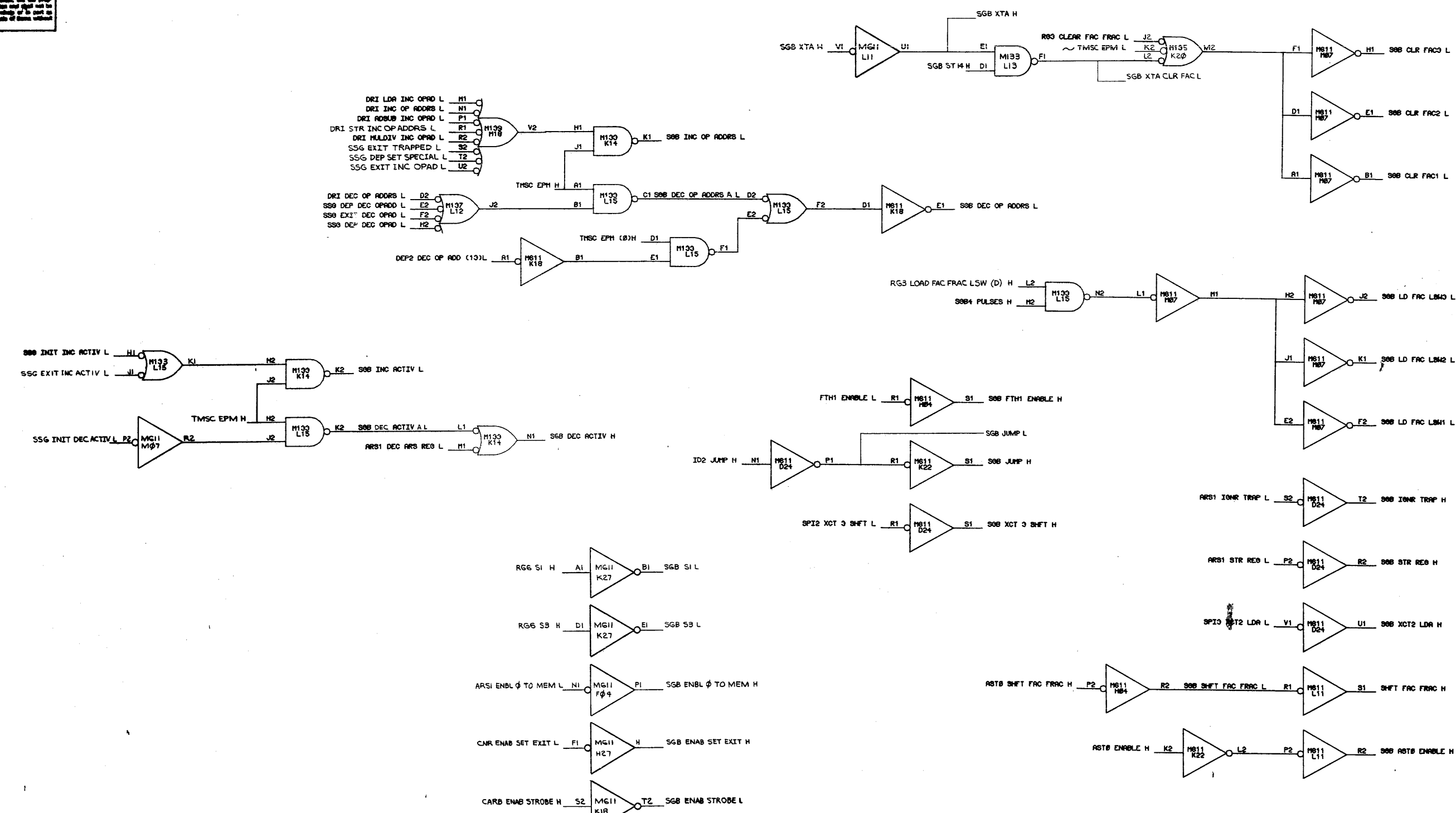
B

A

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. <i>K. V. White</i>	DATE 12-11-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE MULTIPLEXER ENABLES 4	
DIMENSION IN INCHES	CHK'D. <i>L. B. Gruber</i>	DATE 1-29-72		
TOLERANCES	ENG. <i>L. B. Gruber</i>	DATE 1-23-72		
DECIMALS FRACTIONS ANGLES	PROJ. ENG. <i>L. B. Gruber</i>	DATE 1-23-72		
REMOVE BURRS AND BREAK SHARP CORNERS	PROD. <i>M. J. Gonyea</i>	DATE 1-29-72		
MATERIAL	NEXT HIGHER ASSY		B-00-FPP12-A	SCALE NONE
FINISH	SHEET 1 OF 1		SIZE CODE D	NUMBER BS FPP12-A-RG10

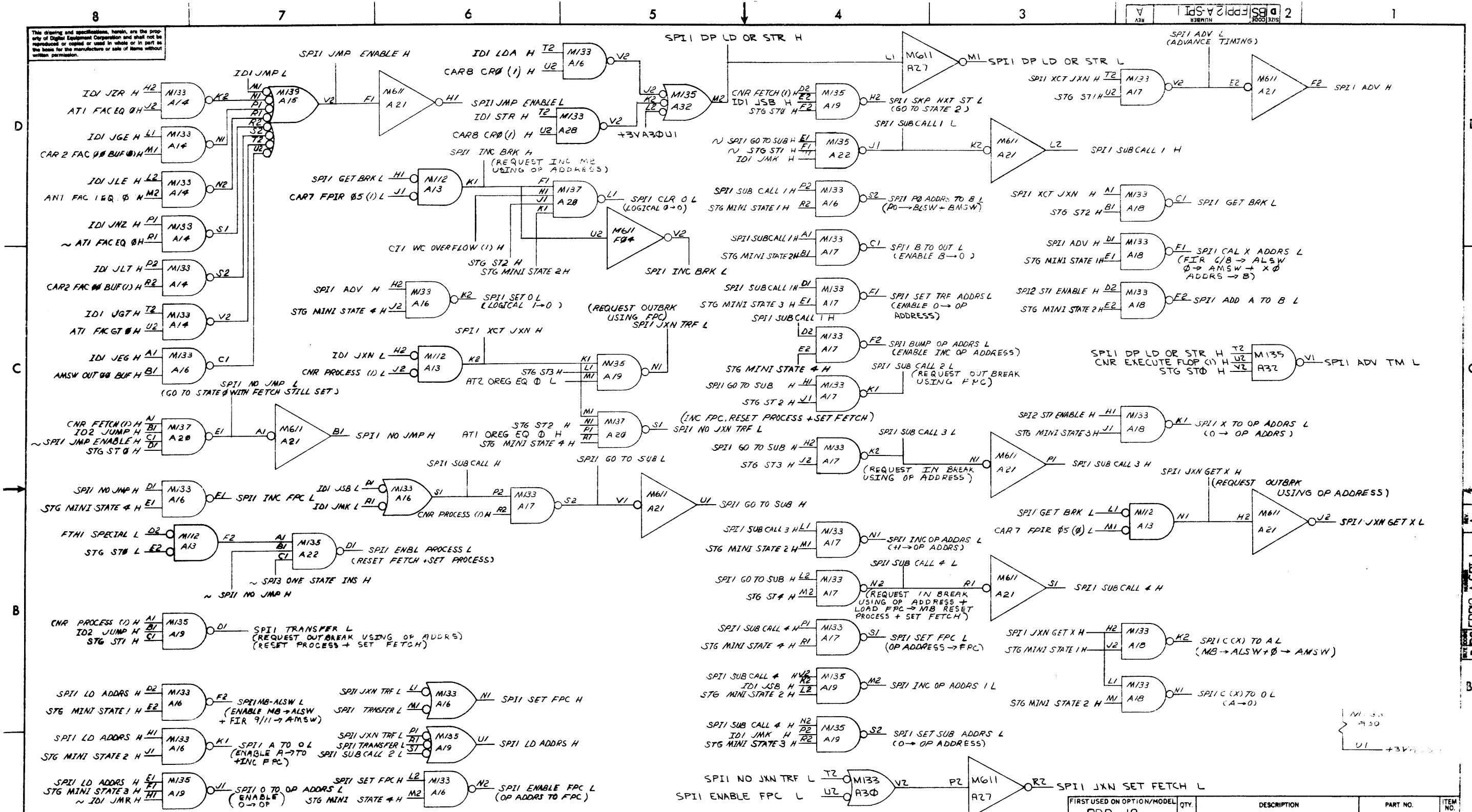
REV.	CHANGE NO.	REVISIONS

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
PDP 12			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	DATE	DATE
TOLERANCES	DATE	DATE	DATE
DECIMALS	DATE	DATE	DATE
ANGLES	DATE	DATE	DATE
XXX - .008	DATE	DATE	DATE
.XX - .02	DATE	DATE	DATE
.X - .1	DATE	DATE	DATE
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE	DATE	DATE
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH	B-DD-FPPI2-A	D 88	FPPI2-A-888
	SCALE NONE		
	SHEET 2 OF 2	DIST.	

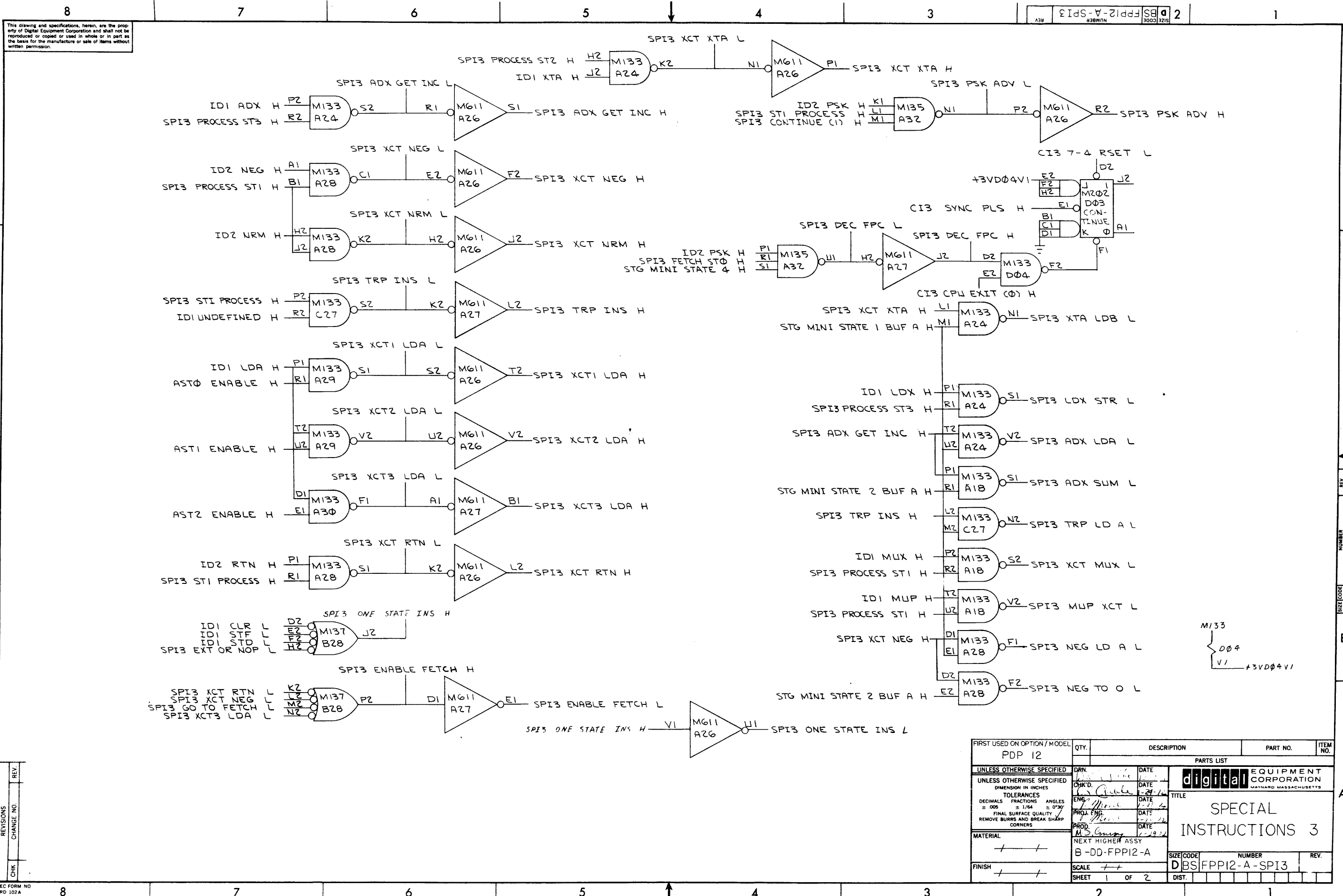
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REV.	CHG.	NO.	DATE	BY	CHKD.
1					
2					
3					
4					
5					
6					
7					
8					

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 12				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS IN INCHES				
TOLERANCES				
DECIMALS	FRACTIONS	ANGLES		
± .008	± 1/64	± 0°30'		
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	MATERIAL			
FINISH	FINISH			
TITLE				
SPECIAL INSTRUCTIONS				
DATE				
BY				
CHKD.				
DATE				
MATERIAL				
FINISH				
SCALE				
SHEET				
OF				
DIST.				
PART NO.				
ITEM NO.				
DIGITAL EQUIPMENT CORPORATION				
MAYNARD, MASSACHUSETTS				
SIZE CODE				
NUMBER				
REV.				
D B S F P P I 2 - A S P I 1				
A				

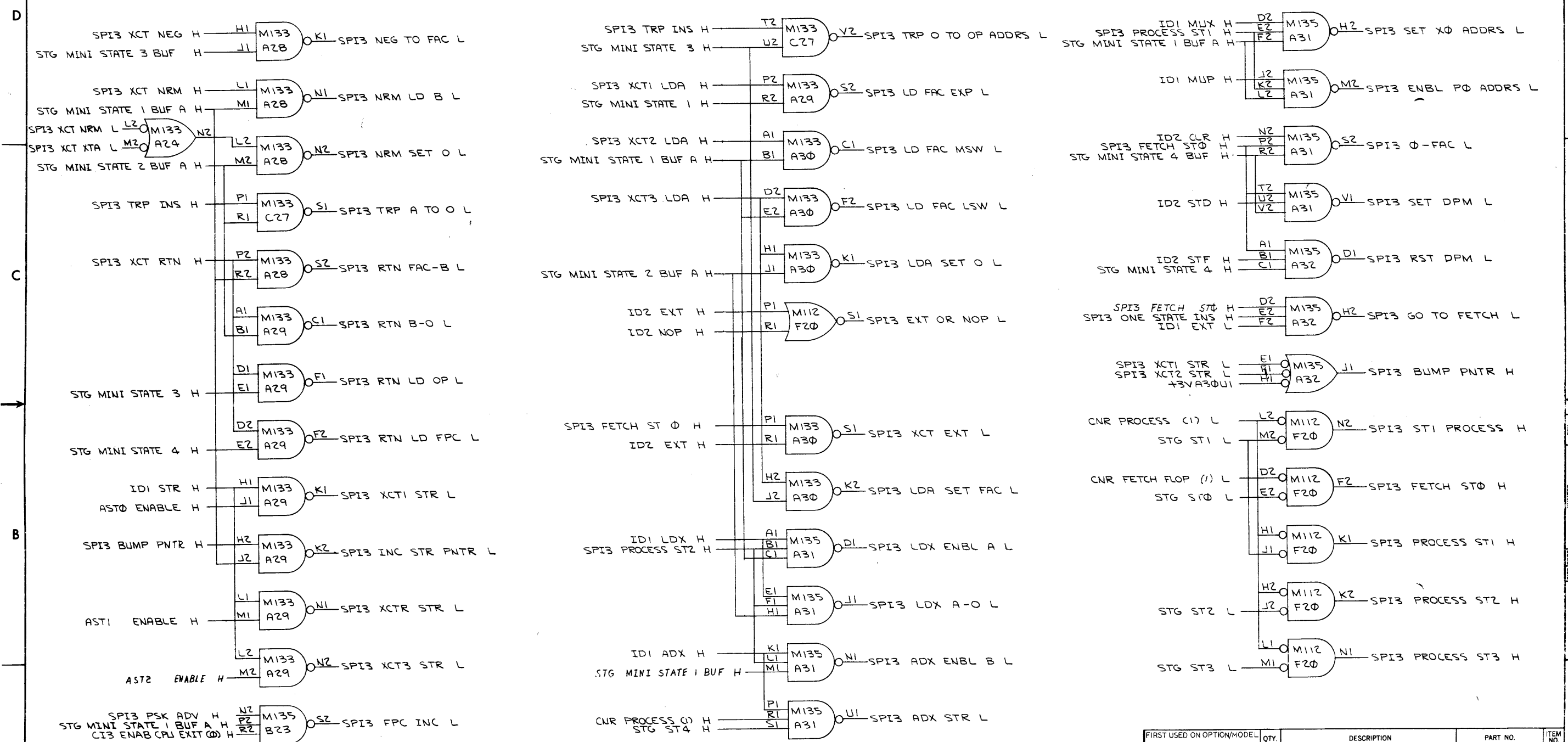
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REV	CHANGE NO.

FIRST USED ON OPTION / MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DIMENSION IN INCHES	ENG	DATE	TITLE	
TOLERANCES	PROJ. ENG.	DATE	SPECIAL INSTRUCTIONS 3	
DECIMALS FRACTIONS ANGLES	PROD.	DATE	SIZE CODE NUMBER REV.	
± .005 ± 1/64 ± 0°30'			D BS FPP12-A-SPI3	
FINAL SURFACE QUALITY	NEXT HIGHER ASSY		SCALE	
REMOVE BURRS AND BREAK SHARP CORNERS	B-DD-FPP12-A		SHEET 1 OF 2	
MATERIAL			DIST.	
FINISH				

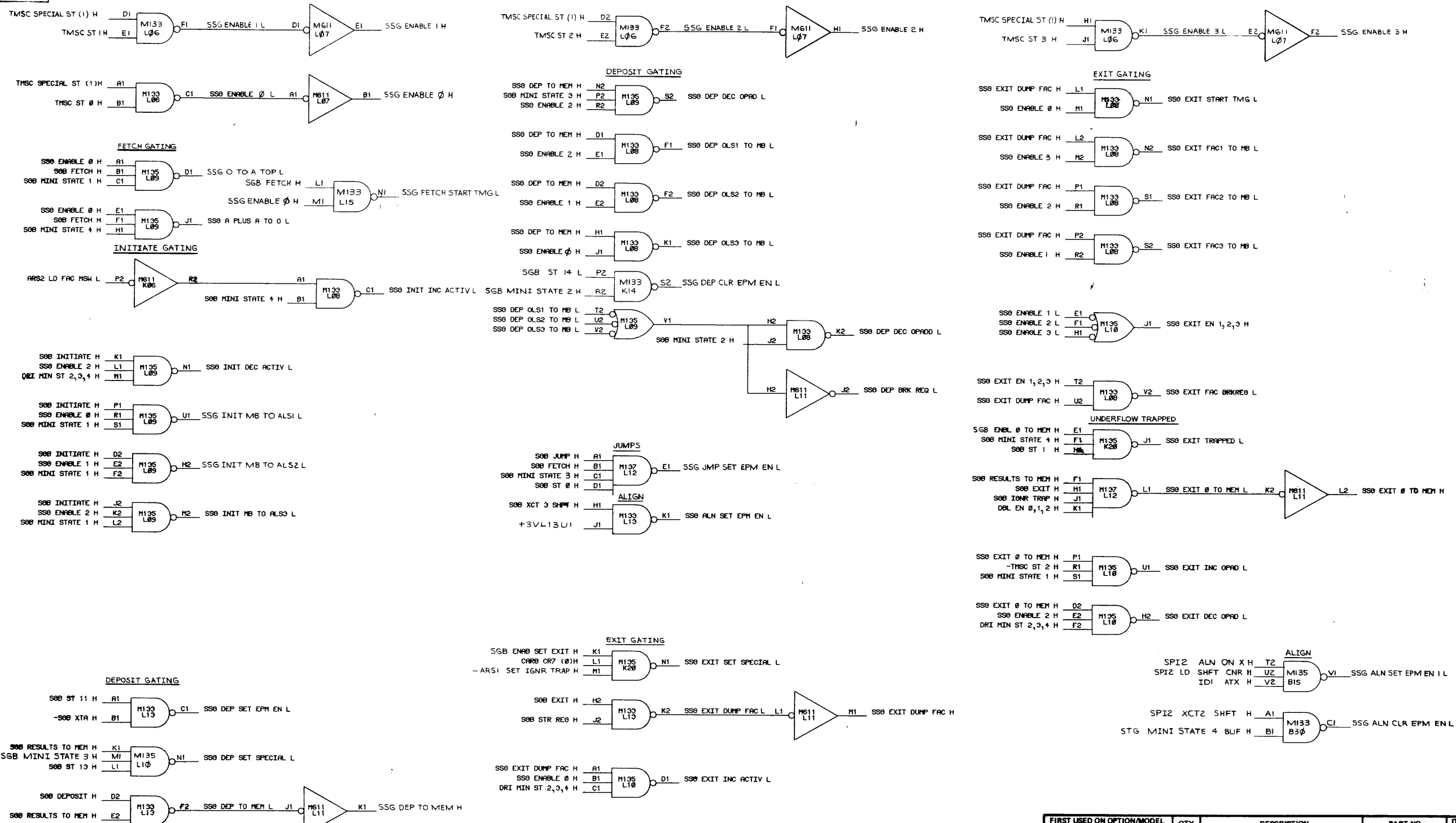
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REV	CHANGE NO.

FIRST USED ON OPTION/MODEL PDP 12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE	
DIMENSION IN INCHES	ENG	DATE	SPECIAL INSTRUCTIONS 3	
TOLERANCES	PROJ. ENG.	DATE	MATERIAL	
DECIMALS FRACTIONS ANGLES	PROD.	DATE	FINISH	
± .005 ± 1/64 ± 0°30'			NEXT HIGHER ASSY	
FINAL SURFACE QUALITY			SCALE	
REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 2 OF 2	
			SIZE CODE	NUMBER
			DBSFPPI2-A-SPI3	REV.

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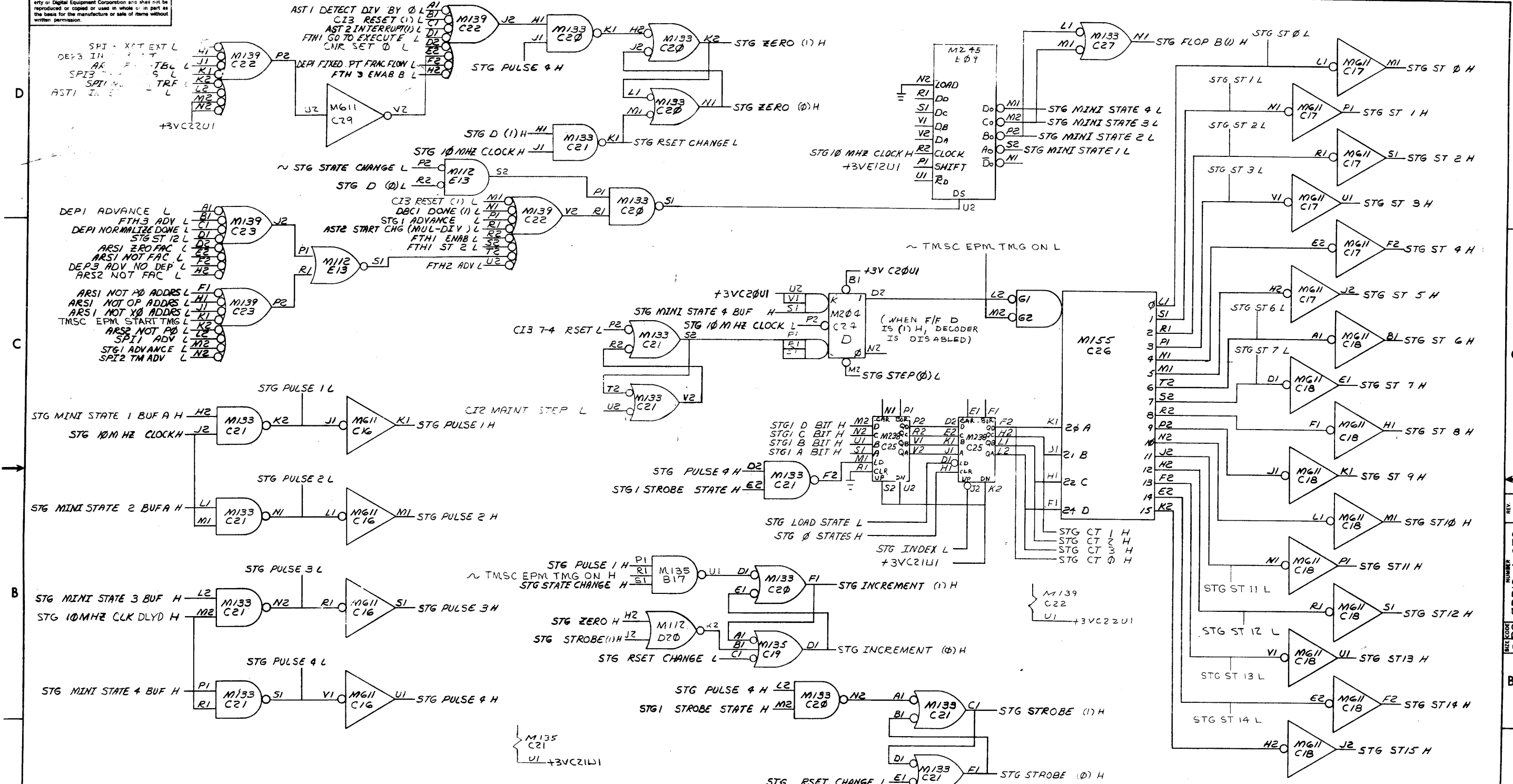


NOTE: IN LOCATION L07, PINS C1, M2 AND N2 ARE GROUNDED.

REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.		
POP12						
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>Regus</i>	DATE <i>11/5/71</i>	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>			
DECIMALS	CHK'D <i>S. G...</i>	DATE <i>12-6-71</i>				
ANGLES	ENG. <i>R. M...</i>	DATE <i>1-28-72</i>				
.XXX = .005 .XX = .02 .X = .1	PROJ. ENG. <i>R. M...</i>	DATE <i>6-29-72</i>				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. <i>M. L...</i>	DATE <i>1-29-72</i>	TITLE SPECIAL STATE OPTION (EXTENDED MODE)			
MATERIAL	NEXT HIGHER ASSY.				SIZE CODE	NUMBER
FINISH	B-DD-FPPI2-A				D 85	FPPI2-A-SS0
	SCALE	NONE				
	SHEET 1 OF 1	DIST.				

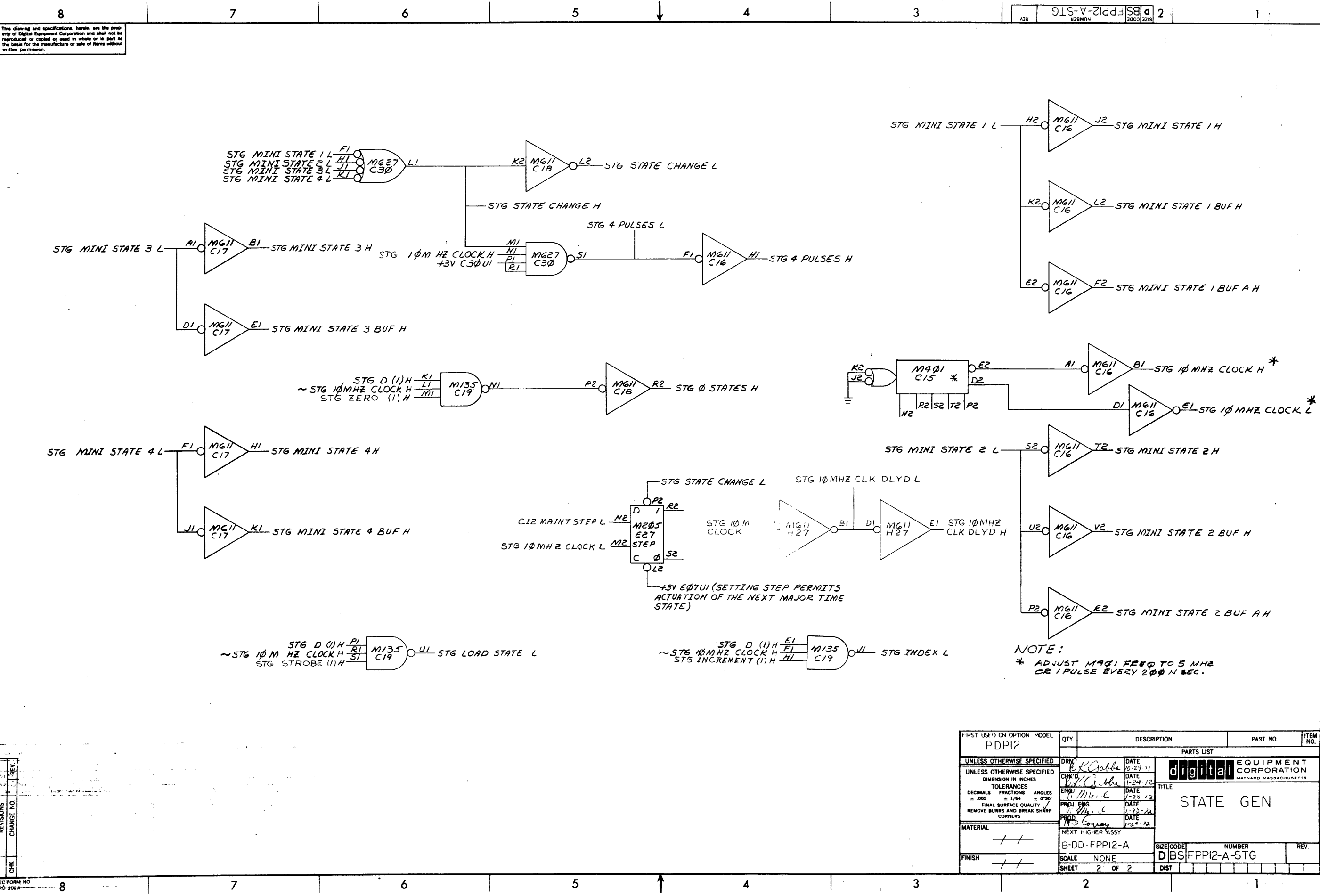
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REV	
CHG	
NO	
CHANGE	
NO	

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRY	DATE 10-29-71	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE 1-22-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES ±.005 ± 1/64 ± 0°30'	ENG	DATE 1-25-72	TITLE STATE GEN	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG.	DATE 1-25-72	MATERIAL NEXT HIGHER ASSY	
	PROD. MGR.	DATE 1-29-72	FINISH SCALE NONE	
			B-DD-FPPI2-A	
			SHEET 1 OF 2	
			D BS FPP12-A-STG	

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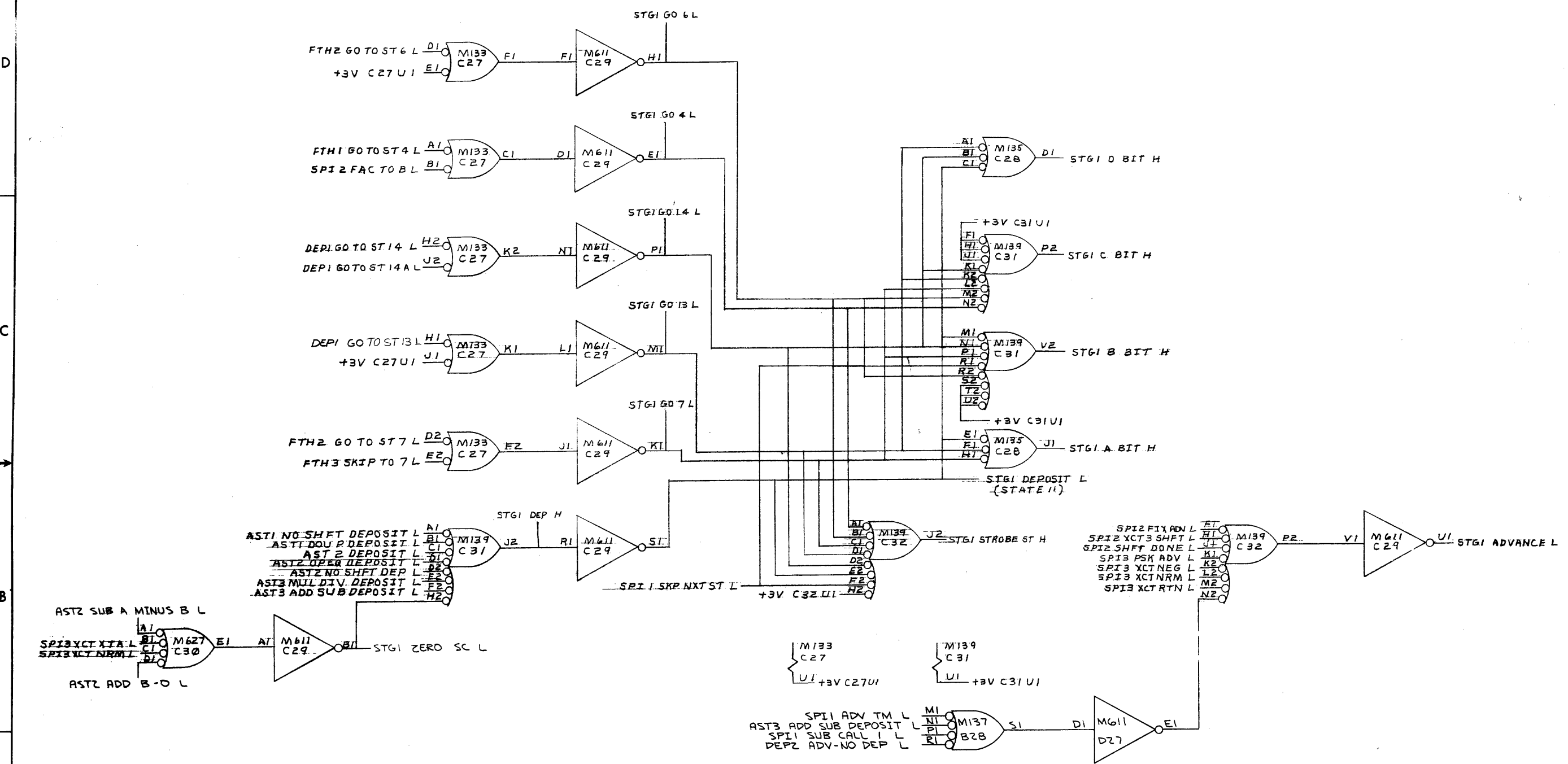


REVISIONS	NO.	REV.
CHK		

FIRST USED ON OPTION MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRY	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES	CHK'D	DATE	TITLE	
TOLERANCES	ENG'D	DATE	STATE GEN	
DECIMALS FRACTIONS ANGLES	PRD. ENG.	DATE	SIZE CODE NUMBER REV.	
± .005 ± .184 ± 0°30'	PRD. M.D. Company	DATE	D BSFPPI2-A-STG	
FINAL SURFACE QUALITY	NEXT HIGHER ASSY	DATE	SCALE NONE	
REMOVE BURRS AND BREAK SHARP CORNERS	B-DD-FPPI2-A	DATE	SHEET 2 OF 2	
MATERIAL	FINISH		DIST.	
++	++			

REV. NO. BSFPPI2-A-STG

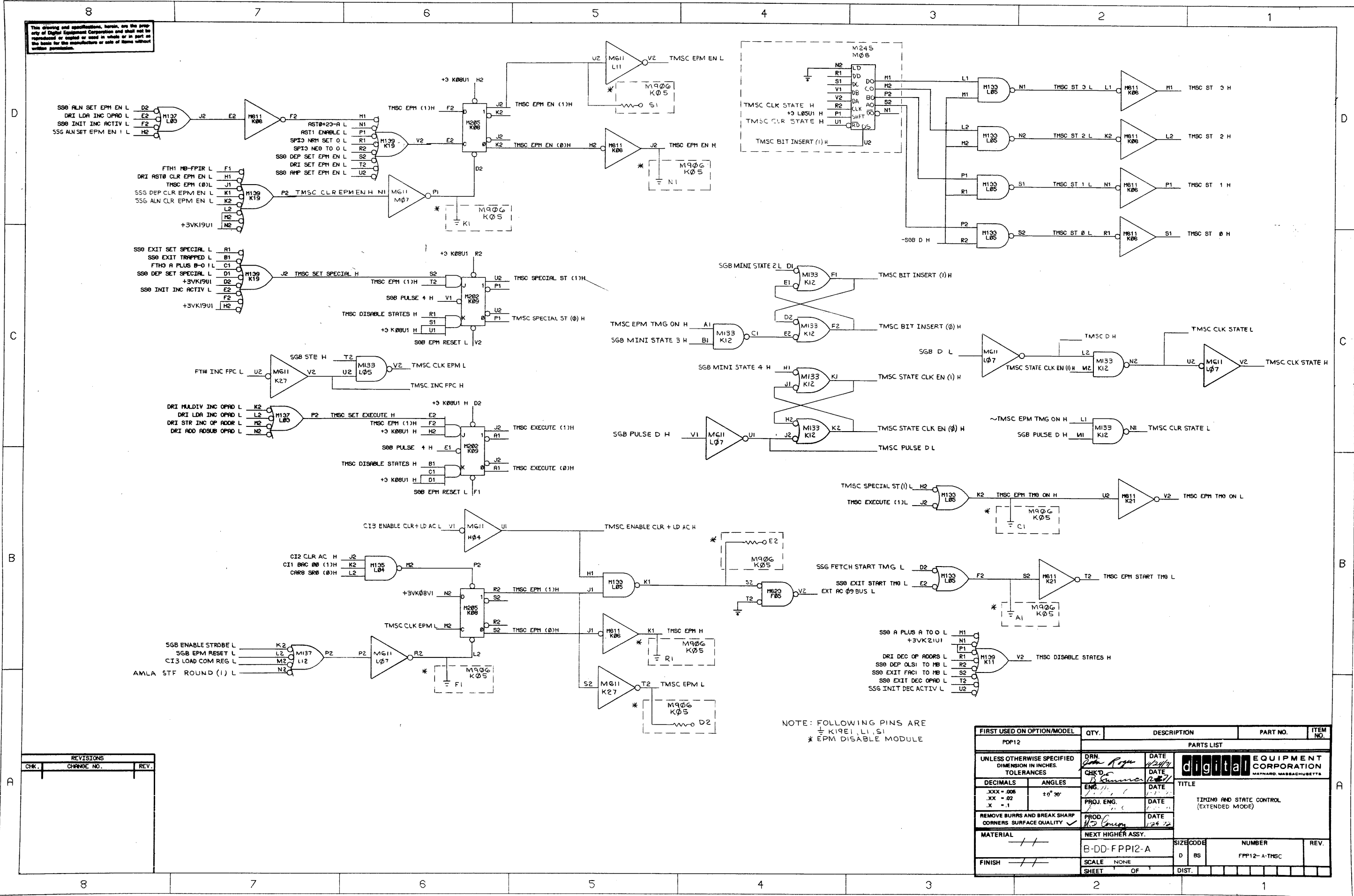
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REV.	
CHG.	
NO.	

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DIMENSION IN INCHES	CHKD.	DATE	TITLE	
TOLERANCES	ENG.	DATE	STATE GENERATOR JUMPS	
DECIMALS FRACTIONS ANGLES	PRG. ENG.	DATE	SIZE CODE	NUMBER
= .005 ± .004 = 0°30'	PRD.	DATE	D18	FPP12-A-STG1
FINAL SURFACE QUALITY	FINISH: HIGHER ASSY		SCALE	REV.
REMOVE BURRS AND BREAK SHARP CORNERS	B-DD-FPP12-A		1/16"	
MATERIAL			SHEET	OF
FINISH			1	1

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REVISIONS		
CHK.	CHANGE NO.	REV.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>[Signature]</i>	DATE <i>1/24/72</i>	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>	
DECIMALS	CHK'D. <i>[Signature]</i>	DATE <i>1/24/72</i>		
ANGLES	ENG. <i>[Signature]</i>	DATE <i>1/24/72</i>		
.XXX = .005 .XX = .02 .X = .1	PROJ. ENG. <i>[Signature]</i>	DATE <i>1/24/72</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROD. <i>[Signature]</i>	DATE <i>1/24/72</i>	TITLE TIMING AND STATE CONTROL (EXTENDED MODE)	
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	B-DD-FPPI2-A		D BS	FPPI2-A-TMSC
	SCALE NONE			REV.
	SHEET OF	DIST.		

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Main table with columns 1-22 and 23-44, rows labeled USAGE, C, D, B, A. Contains various component identifiers and their functions.

NOTES: * FOR NEG BUS (FPP12-AN) REPLACE M101 AND M123 WITH M100 AND M633 RESPECTIVELY. IF A FPP12-AN, MAKE ADD/DELETES INDICATED ON PRINTS CAR B AND C11. IF A FPP12-AB MAKE ADD/DELETES INDICATED ON PRINTS CAR B AND DBC1. Δ ADD FOR FPP12-AE(FPM)

REVISIONS table with columns for REV, CHANGE NO., and CHK.

FIRST USED ON OPTION/MODEL PDP12

DO NOT SCALE DRAWING table with columns for UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES, TOLERANCES, MATERIAL, FINISH.

DRN table with columns for DRN, DATE, CHK'D, DATE, ENG, DATE, PROJ. ENR, DATE, PROD, DATE, NEXT HIGHER ASSY, SCALE, SHEET, OF.

digital EQUIPMENT CORPORATION logo and title MODULE UTILIZATION with size code and number information.

... and specifications, hereinafter referred to as the "Specifications", are hereby incorporated by reference into this contract. It is the intent of the parties to this contract that the goods to be manufactured or sold hereunder shall conform to the Specifications in all respects unless otherwise indicated.

	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135	M135
	SET BRK REG FLOP	DBC2 OP ADD	DBC2 FPC ADD	DBC2 BRK REQ	C11 BAC (1)	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA	DBC1 ENAB DATA
	EXT LD A1	EXT LD A2	EXT LD A3	EXT LD A4	EXT LD A5	EXT LD A6	EXT LD A7	EXT LD A8	EXT LD A9	EXT LD A10	EXT LD A11	EXT LD A12	EXT LD A13	EXT LD A14	EXT LD A15	EXT LD A16	EXT LD A17	EXT LD A18	EXT LD A19	EXT LD A20	EXT LD A21

NOTES: * FOR NEG BUS (FPP12-A) REPLACE M101 AND M623 WITH M100 AND M633 RESPECTIVELY. IF A FPP12-A MAKE ADD/DELETES INDICATED ON PRINTS CARB AND C11. IF A FPP12-AE MAKE ADD/DELETES INDICATED ON PRINTS CARB AND DBC1.

FIRST USED ON OPTION/MODEL PDP12	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 9°30'	DRN: J. Roberts CHKD: J. Roberts DATE: 12/29/71	DATE: 12/29/71
	MATERIAL: + + + FINISH: + + +	DATE: 1-23-72 DATE: 1-23-72 DATE: 2-2-72	TITLE: MODULE UTILIZATION
	SCALE NONE SHEET 3 OF 6	NEXT HIGHER ASSY B-DD-FPP12-A	SIZE CODE: DMU NUMBER: FPP12-A-01 REV. C

REV. 1	CHG. NO.
CHK	

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY D. Crabbe	CHECKED <i>D. Crabbe</i>	SECTION
DATE 01/13/72	DATE 1-14-72	1
ENG <i>R. Morse</i>	PROD <i>D. Crabbe</i>	ISSUED SECT.
DATE 1-28-72	DATE 1-28-72	1

QUANTITY VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY VARIATION																		
			FPP12-AB	FPP12-AN	FPP12-AP	FPP12-AE															
M002		LOGIC 1 SOURCE	2	2	2	1															
M100		BUS DATA INTERFACE	-	3	-	-															
M101		BUS DATA INTERFACE	3	-	3	1															
M107		DEVICE SELECTOR	2	2	2	-															
M112		NOR GATE	8	8	8	-															
M126		AND/NOR GATE	2	2	2	-															
M127		2-2-2-3 AND/NOR GATE	2	2	2	-															
M129		AND/OR INVERT GATE	13	13	13	-															
M133		INPUT NAND GATES	38	38	38	7															
M135		3 INPUT NAND GATE	27	27	27	5															
M137		6-4 INPUT NAND GATES	10	10	10	2															
M139		3-8 INPUT NAND GATES	25	25	25	5															
M155		4 LINE TO 16 LINE DECODER	5	5	5	-															
M172		2 X 9 DATA MIXER	-	-	-	4															
M178		8 X 6 DATA MIXER	8	8	8	12															
M190		4 BIT ARITHMETIC ELEMENT	7	7	7	9															
M191		LOOK AHEAD CARRY GENERATOR	1	1	1	2															
M202		TRIPLE J-K FLIP-FLOP	1	1	1	1															
M204		GENERAL PURPOSE BUF. & CTR.	1	1	1	-															
M205		5 "D" FLIP-FLOP	3	3	3	-															
M216		SIX FLIP-FLOP	17	17	17	6															
M238		SYNC. 4 BIT UP/DOWN CTR.	8	8	8	-															

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION (FPP12-A)	D-MU-FPP12-A-01	A	PL	FPP12-A-01	C	FPP12A 00005
	SHEET 1 OF 2	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

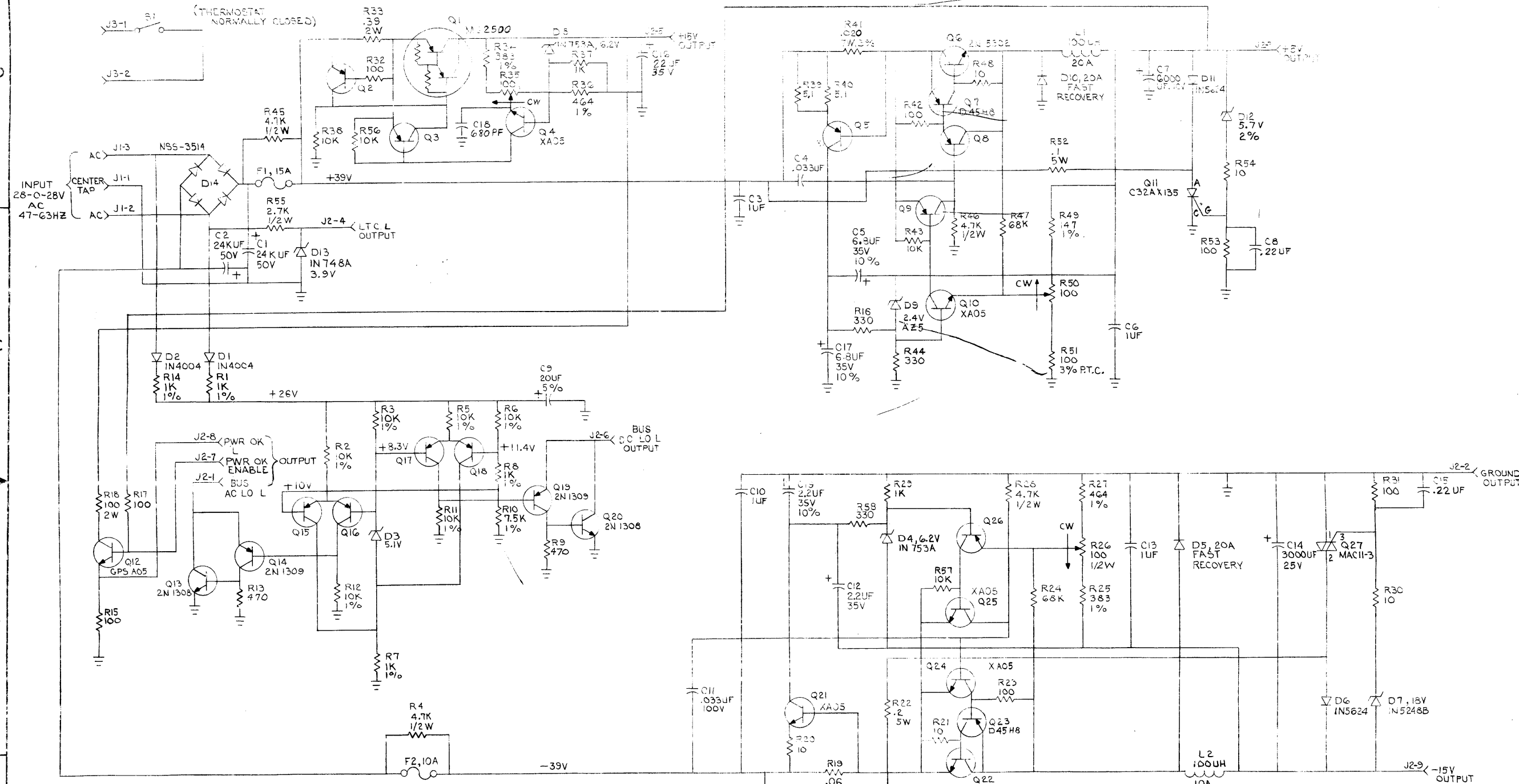
MADE BY D. Crabbe	CHECKED <i>D. Crabbe</i>	SECTION
DATE 01/13/72	DATE 1-14-72	1
ENG <i>R. Morse</i>	PROD <i>D. Crabbe</i>	ISSUED SECT.
DATE 1-28-72	DATE 1-28-72	1

QUANTITY VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY VARIATION																		
			FPP12-AB	FPP12-AN	FPP12-AP	FPP12-AE															
M245		4 BIT SHIFT REGISTER	4	4	4	5															
M401		VARIABLE CLOCK	1	1	1	-															
M611		DIODE INVERTER	33	33	33	17															
M623		BUS DRIVER	6	-	6	-															
M627		NAND POWER AMPLIFIER	5	5	5	-															
M734		I/O BUS INPUT MULTIPLEXER	3	3	3	1															
M633		BUS DRIVER	-	6	-	-															
G717		RESISTOR TERMINATOR	1	-	1	-															
M906		CABLE TERMINATOR	2	1	1	-															

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION (FPP12-A)	D-MU-FPP12-A-01	A	PL	FPP12-A-01	C	
	SHEET 2 OF 2	DIST.				

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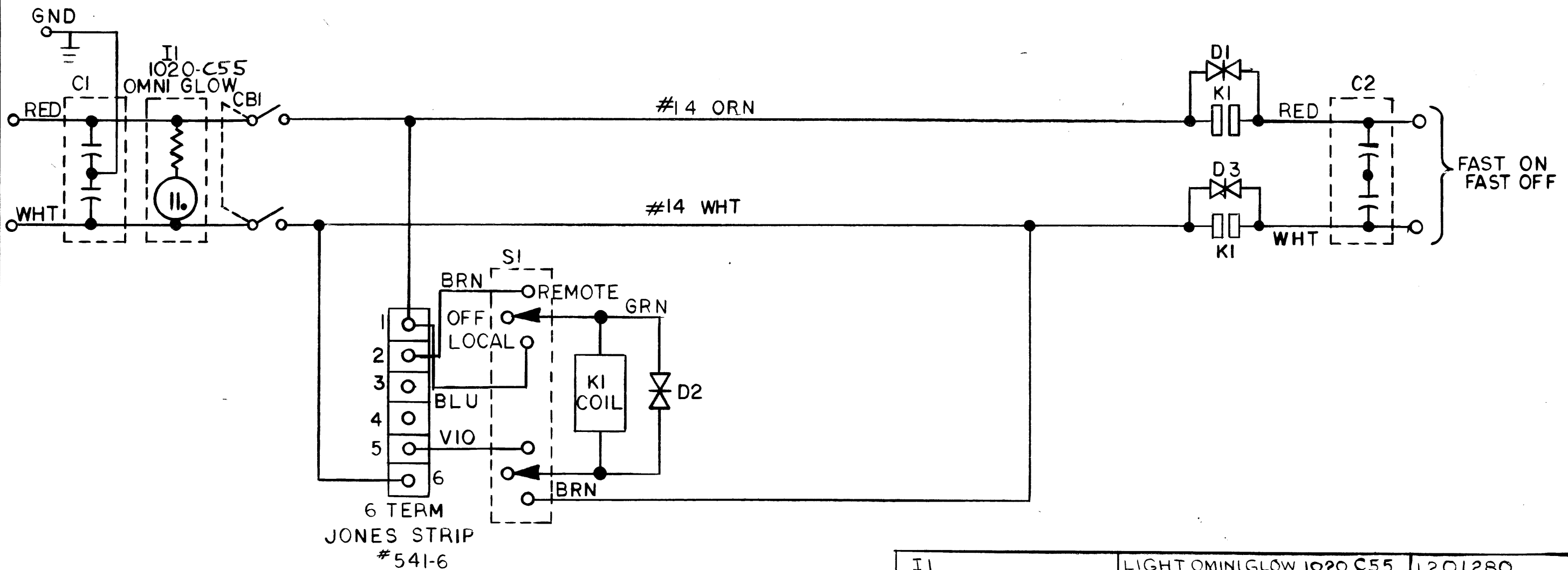
UNLESS OTHERWISE INDICATED:
 1% RESISTORS ARE 1/8 W
 TRANSISTORS = XA55
 VOLTAGES ARE TAKEN AT NO LOAD WITH 115 VAC LINE
 VOLTAGES ARE +10% TAKEN BY A 1/2 KΩ METER

1	RESISTOR	100K	1%	1/8W	R18
1	RESISTOR	100K	1%	1/8W	R17
1	RESISTOR	100K	1%	1/8W	R15
1	RESISTOR	100K	1%	1/8W	R14
1	RESISTOR	100K	1%	1/8W	R13
1	RESISTOR	100K	1%	1/8W	R12
1	RESISTOR	100K	1%	1/8W	R11
1	RESISTOR	100K	1%	1/8W	R10
1	RESISTOR	100K	1%	1/8W	R9
1	RESISTOR	100K	1%	1/8W	R8
1	RESISTOR	100K	1%	1/8W	R7
1	RESISTOR	100K	1%	1/8W	R6
1	RESISTOR	100K	1%	1/8W	R5
1	RESISTOR	100K	1%	1/8W	R4
1	RESISTOR	100K	1%	1/8W	R3
1	RESISTOR	100K	1%	1/8W	R2
1	RESISTOR	100K	1%	1/8W	R1
1	RESISTOR	100K	1%	1/8W	R0
1	RESISTOR	100K	1%	1/8W	R-1
1	RESISTOR	100K	1%	1/8W	R-2
1	RESISTOR	100K	1%	1/8W	R-3
1	RESISTOR	100K	1%	1/8W	R-4
1	RESISTOR	100K	1%	1/8W	R-5
1	RESISTOR	100K	1%	1/8W	R-6
1	RESISTOR	100K	1%	1/8W	R-7
1	RESISTOR	100K	1%	1/8W	R-8
1	RESISTOR	100K	1%	1/8W	R-9
1	RESISTOR	100K	1%	1/8W	R-10
1	RESISTOR	100K	1%	1/8W	R-11
1	RESISTOR	100K	1%	1/8W	R-12
1	RESISTOR	100K	1%	1/8W	R-13
1	RESISTOR	100K	1%	1/8W	R-14
1	RESISTOR	100K	1%	1/8W	R-15
1	RESISTOR	100K	1%	1/8W	R-16
1	RESISTOR	100K	1%	1/8W	R-17
1	RESISTOR	100K	1%	1/8W	R-18
1	RESISTOR	100K	1%	1/8W	R-19
1	RESISTOR	100K	1%	1/8W	R-20
1	RESISTOR	100K	1%	1/8W	R-21
1	RESISTOR	100K	1%	1/8W	R-22
1	RESISTOR	100K	1%	1/8W	R-23
1	RESISTOR	100K	1%	1/8W	R-24
1	RESISTOR	100K	1%	1/8W	R-25
1	RESISTOR	100K	1%	1/8W	R-26
1	RESISTOR	100K	1%	1/8W	R-27
1	RESISTOR	100K	1%	1/8W	R-28
1	RESISTOR	100K	1%	1/8W	R-29
1	RESISTOR	100K	1%	1/8W	R-30
1	RESISTOR	100K	1%	1/8W	R-31
1	RESISTOR	100K	1%	1/8W	R-32
1	RESISTOR	100K	1%	1/8W	R-33
1	RESISTOR	100K	1%	1/8W	R-34
1	RESISTOR	100K	1%	1/8W	R-35
1	RESISTOR	100K	1%	1/8W	R-36
1	RESISTOR	100K	1%	1/8W	R-37
1	RESISTOR	100K	1%	1/8W	R-38
1	RESISTOR	100K	1%	1/8W	R-39
1	RESISTOR	100K	1%	1/8W	R-40
1	RESISTOR	100K	1%	1/8W	R-41
1	RESISTOR	100K	1%	1/8W	R-42
1	RESISTOR	100K	1%	1/8W	R-43
1	RESISTOR	100K	1%	1/8W	R-44
1	RESISTOR	100K	1%	1/8W	R-45
1	RESISTOR	100K	1%	1/8W	R-46
1	RESISTOR	100K	1%	1/8W	R-47
1	RESISTOR	100K	1%	1/8W	R-48
1	RESISTOR	100K	1%	1/8W	R-49
1	RESISTOR	100K	1%	1/8W	R-50
1	RESISTOR	100K	1%	1/8W	R-51
1	RESISTOR	100K	1%	1/8W	R-52
1	RESISTOR	100K	1%	1/8W	R-53
1	RESISTOR	100K	1%	1/8W	R-54
1	RESISTOR	100K	1%	1/8W	R-55

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV E				
DRN	DATE	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHKD.	DATE	TITLE REGULATOR BOARD FOR H740		
ENG.	DATE	SIZE CODE D CS		
PROJ. ENG.	DATE	NUMBER 5409728-0-1		
PROD.	DATE	REV. L		
NEXT HIGHER ASSY				
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
SHEET 1 OF 1				

REV. L NUMBER 5409728-0-1

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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

REVISIONS	CHK	CHG NO.	REV.
		00002	A

DRN.	P. L. Blane	DATE	10-21-68
CHKD.	J. J. Madden	DATE	11/7/68
ENG.	GW GERELDS	DATE	11/15/68
PROD.	GW GERELDS	DATE	11/15/68

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

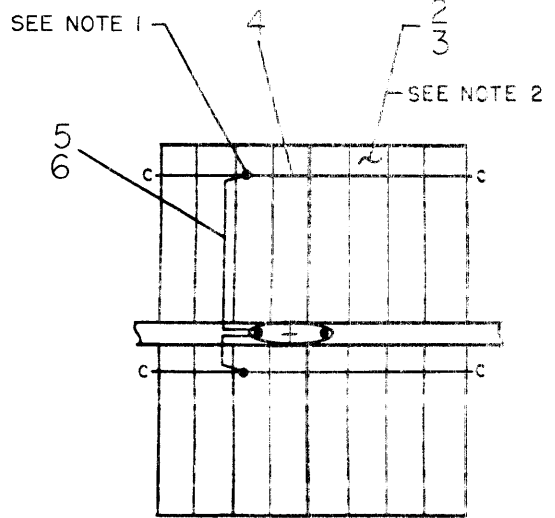
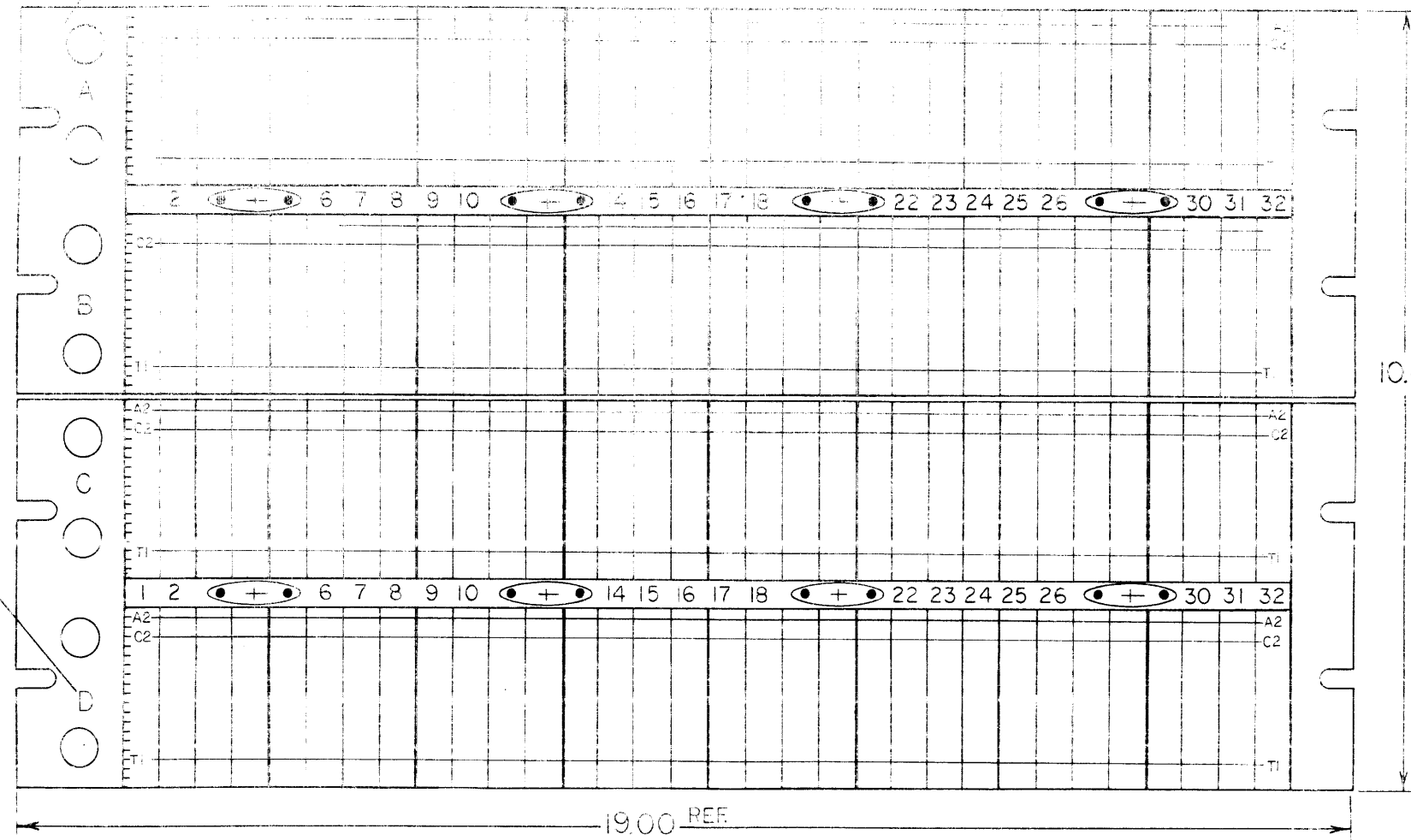
TITLE POWER CONTROL 854

SIZE B CODE CS NUMBER 854-0-1 REV. A

PRINTED CIRCUIT REV.

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- NOTES:
1. CONNECTIONS ON ITEMS 4 & 5 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
 2. USE YELLOW WIRE (ITEM #6) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #2) FOR HAND WRAPPED.
 3. THIS SIGNAL IS NOW HAND WRAPPED TO ELIMINATE NOISE PICK-UP.



REF	WIRE LIST	K-WL-FPP12A-03	REF
	WIR LOGIC FRAME DECALS	A-DC-743637100	7
	WIR #22 TUBING, TEFLON, WHITE	9107265-09	6
	WIR #22 AWG BUS WIRE	9107560-01	5
	WIR BUS STRIP	1205541	4
	WIR #30 AWG SOLID TEF INS WIRE, YEL	9105740-44	3
	WIR #30 AWG SOLID TEF INS WIRE, BLU	9105740-66	2
	6 H311 MTG PANEL	D-AD-5404931-00	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN S REV	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	CHK D	DATE		
ANGLES	ENG	DATE	TITLE WIRED ASS'Y. (FPP12-A)	
XXX - 005 XX - 02 X - 1	PROJ ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS TO SURFACE QUALITY	PROD.	DATE	SCALE DAD 7008152-0-0	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE		SHEET	OF 3

REV	CHANGE NO	DATE	INITIALS
1			
2			
3			
4			
5			
6			
7			
8			

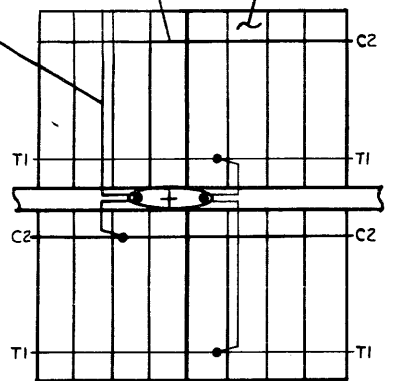
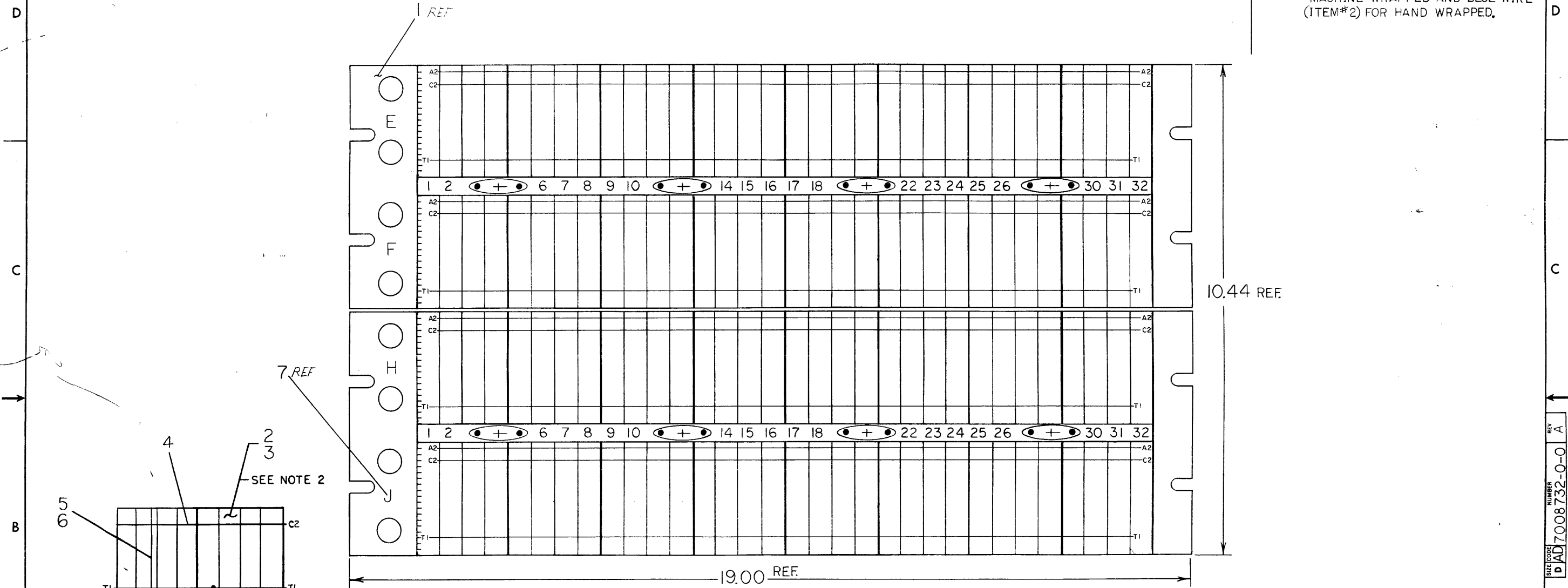
BRUNING 40-107 15948
DEC FORM NO DRD 131

SCALE CODE NUMBER DAD 7008152-0-0

REV A

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- NOTES:
- CONNECTIONS ON ITEMS 4 & 5 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
 - USE YELLOW WIRE (ITEM #3) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #2) FOR HAND WRAPPED.



DETAIL A
(24 PLACES REF)

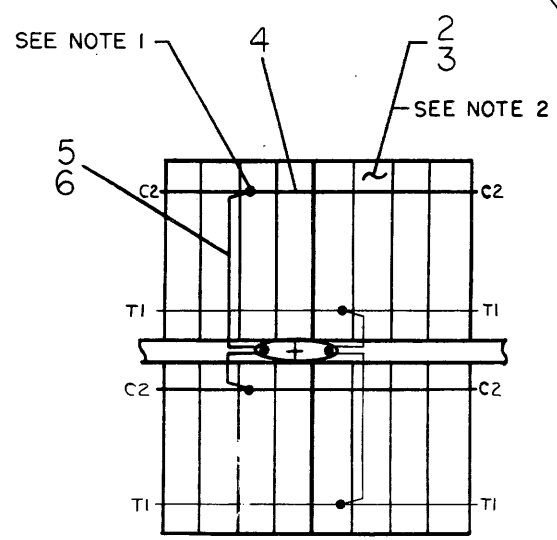
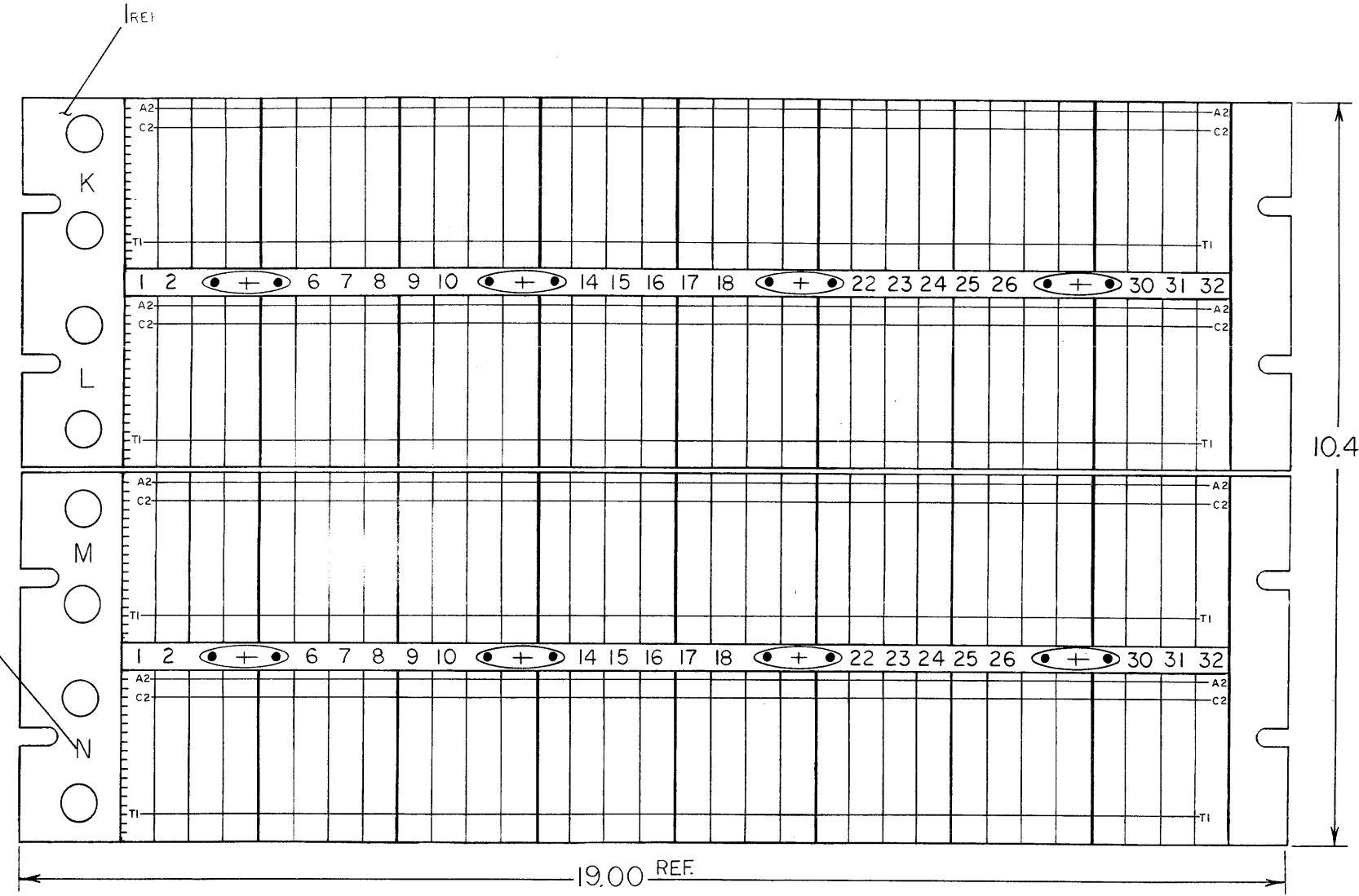
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP12		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. DATE 10/10/71	CHK'D. DATE 1/11/72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX = .005	ENG. DATE 1-21-72	PROJ. ENG. DATE 1-21-72		
ANGLES ±0° 30'	PROD. DATE			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL //	NEXT HIGHER ASSY.	TITLE		
FINISH //	B-DD-FPPI2-A	SCALE NONE	SIZE CODE DAD	NUMBER 7008732-0-0
	SHEET 2 OF 3	DIST.		REV. A

BRUNING 40-107 15888
 DEC FORM NO LNUJ 1 2 1

REV. A
 NUMBER AD7008732-0-0

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- NOTES:
1. CONNECTIONS ON ITEMS 4 & 5 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
 2. USE YELLOW WIRE (ITEM #3) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #2) FOR HAND WRAPPED.



DETAIL A
(24 PLACES REF)

FIRST USED ON OPTION/MODEL PDP12	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. <i>Roberts</i>	DATE 12-15-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS ANGLES	CHK'D.	DATE 12-11-71		
.XXX = .005	ENG.	DATE 1-25-72	TITLE WIRED ASS'Y. (FPP12-A)	
.XX = .02	PROJ. ENG.	DATE 1-25-72		
.X = .1	PROD.	DATE	SIZE CODE NUMBER REV. DAD 7008732-0-0	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	NEXT HIGHER ASSY.			
MATERIAL	B-DD-FPP12-A	SCALE NONE	SHEET 3 OF 3	
FINISH		DIST.		

BRUNING 40-107 15868

REV.	
CHG	CHANGE NO.

DEC FORM NO
DRD 131

SIZE CODE NUMBER REV
DAD 7008732-0-0 A

