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CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE		SEQUENCE	
16 BIT COMPUTER (11/05)	B-DD-11/05-0	*PKG. INST. INPLANT (5 1/4")	A-SP-3700133-0-0
16 BIT COMPUTER (11/05)	D-UA-11/05-0-0	*PKG. INST. CUSTOMER (10 1/2")	A-SP-3700098-0-0
16 BIT COMPUTER (11/05)	C-PL-11/05-0-0	BOX	
MODULE UTILIZATION (16K)	D-MU-11/05-0-02	*PKG. INST. INPLANT (10 1/2")	A-SP-3700156-0-0
MODULE UTILIZATION (8K)	D-MU-11/05-0-01	BOX	
MODULE UTILIZATION (10 1/2)	D-MU-11/05-0-07		
CENTRAL PROCESSOR	B-DD-KD11-B		
16 BIT 18MIL MEMORY	B-DD-MM11-L		
BUS TERMINATOR	D-CS-M930-0-1		
CONSOLE ASSY	B-DD-KY11-J		
H750 POWER SUPPLY	B-DD-H750-0		
LINE SET BC05-H	B-DD-BC05H-0		
LINE SET BC05-T	B-DD-BC05T-0		
LINE SET BC05-U	B-DD-BC05U-0		
INPUT HARNESS (A.C.)	E-IA-7008713-0-0		
HARNESS (D.C.)	D-IA-7008856-0-0		
BALL-D POWER TO DISTRIBUTION BOARD	E-IA-7009208-0-0		
HEADER CABLE ASSY	D-IA-7008820-0-0		
CIRCUIT SCHEMATIC	C-CS-5409949-0-1		
BERG TO BACKPLANE	C-CS-M9970-0-1		
CABLE ASSY (KL8E)	D-IA-7008360-0-0		
MAINTENANCE BOARD	D-BS-KM11-0-MB		
MAINT. MODULE OVERLAY (11/05-KM1)	A-SS-5509081-0-9		
MAINT. MODULE OVERLAY (11/05-KM2)	A-SS-5509081-0-10		
CIRCUIT SCHEMATIC (8K)	C-CS-5409818-0-1		
*ETCH/WIRE LIST (8K)	K-WL-7008843-1-1		
CIRCUIT SCHEMATIC (16K)	C-CS-5410035-0-1		
*ETCH/WIRE LIAT (16K)	K-WL-7008843-2-1		
CIRCUIT SCHEMATIC (10 1/2)	D-CS-5410329-0-1		
*ETCH/WIRE LIST (10 1/2)	K-WL-11/05-0-8		
11/05 ACCESSORY LIST	A-AL-11/05-0-04		
11/05 SOFTWARE LIST	A-SL-11/05-0-05		
*11/05 ACCEPTANCE PROC.	A-SP-11/05-0-6		
*DECAL (10.5" BOX)	A-DC-7411305-0-0		
*PKG. INST. CUSTOMER (5 1/4")	A-SP-3700061-0-0		
AWT REVISION STATUS	A-WT-7008843-2		
POWER SUPPLY	D-UA-7008731-0-0		

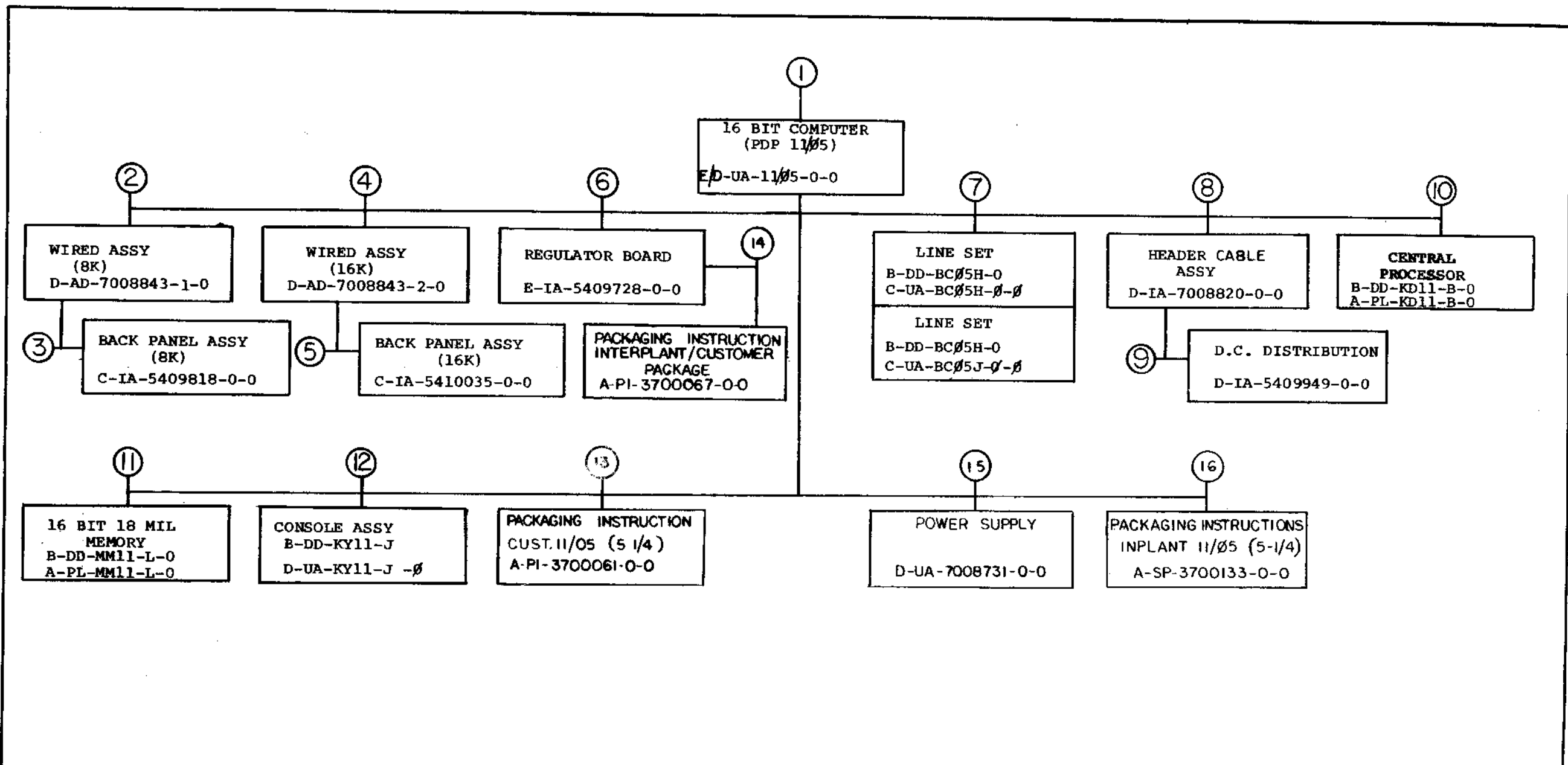
UNIT VARIATIONS		PRINT SET	
VAR	TITLE	11/05-0	
CONFIGURATION #1			
11/05-HA	KD11-B MM11-K 115V/60HZ	X	
11/05-HB	KD11-B MM11-K 230V/50HZ	X	
11/05-JA	KD11-B MM11-L 115V/60HZ	X	
11/05-JB	KD11-B MM11-L 230V/50HZ	X	
CONFIGURATION #2			
11/05-KA	KD11-B MM11-K 115V/60HZ	X	
11/05-KB	KD11-B MM11-K 230V/50HZ	X	
11/05-LA	KD11-B MM11-L 115V/60HZ	X	
11/05-LB	KD11-B MM11-L 230V/50HZ	X	
CONFIGURATION #3			
11/05-MA	KD11-B MM11-K 115V/60HZ	X	
11/05-MB	KD11-B MM11-K 230V/50HZ	X	
11/05-PA	KD11-B MM11-L 115V/60HZ	X	
11/05-PB	KD11-B MM11-L 230V/50HZ	X	
CONFIGURATION #4			
11/05-NC	KD11-B MM11-L 115V/60HZ	X	
11/05-ND	KD11-B MM11-L 230V/50HZ	X	
11/05-FA	11/05-KA, UC15 FRONT PANEL (KY11-JF) 115V		
11/05-FB	11/05-KB, UC15 FRONT PANEL (KY11-JF) 230V		
11/05-FE	11/05-LA, UC15 FRONT PANEL (KY11-JF) 115V		
11/05-FF	11/05-LB, UC15 FRONT PANEL (KY11-JF) 230V		

* ONLY INCLUDED IN MANUFACTURING PRINT SET.

EN-01062-1A-16-R972-13251

REVISIONS	CHG. NO.	REV	DATE
	11/05-62	AH	7-76
			REVISED & RETYPED

USED ON OPTION/MODEL	DRN	DATE	TITLE			
	J. CAHILL		16 BIT COMPUTER (PDP 1105)			
	CHK'D.	DATE				
	C. TESCHNER	DATE				
	PROJ ENG.	DATE				
	B. WEEKS		SIZE	CODE	NUMBER	REV
	PROD.	DATE	B	DD	11/05-0	AH
	R. PETERSON					
	FIELD SERV.	DATE				
	D. DICKHUT					
SHEET 1 OF 8						



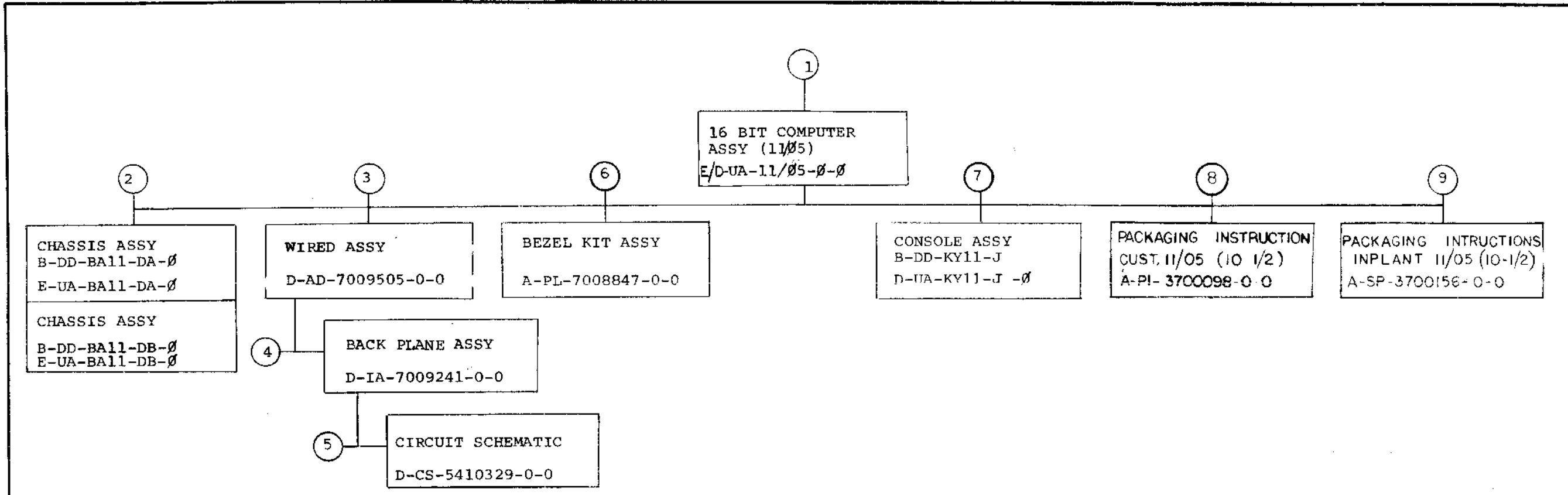
NOTE: This sheet for 5 1/4" only. See sheets 7 & 8 for 10 1/2" chassis

TITLE	SHEET 2 OF 8	SIZE CODE	NUMBER	REV
16 BIT COMPUTER (PDP 11/05)	B DD	11/05-0	ALH	

CUSTOMER PRINT SET					MECHANICAL					CUSTOMER PRINT SET					MECHANICAL								
	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE		MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE								
																11/05-0							
		8	D-IA-7008820-0-0	#	1	HEADER CABLE ASSY			X	14	A-PI-3700065-0-0	#	2	REGULATOR BOARD PKG. INST.									
											A-PS-9905201-0-0		1	REGULAR SLOTTED CARTON									
											A-PS-9905202-0-0		1	TAPED TUBE									
											A-PS-9905203-0-0		2	RAT TRAP									
											A-PS-9905374-0-0		3	TAPE TUBE									
											A-PS-9905375-0-0		3	DIECUT CARTON									
		9	D-IA-5409949-0-0	#	1	D.C. DISTRIBUTION																	
			K-CO-5409949-0-4	#	1	X-Y CO-ORDINATE HOLE LOCATION																	
			D-AH-5409949-0-5	#	1	ASSY/DRILLING HOLE LAYOUT																	
									X	16	A-SP-3700133-0-0		3	PKG. INST. INPLANT 11/05 5 1/2									
											A-PS-9905271-0-0			LAMINATED BUILDUP									
											A-PS-9905184-0-0			LAMINATED BUILDUP									
											A-PS-9905418-0-0			REGULAR SLOTTED CARTON									
											A-PS-9905129-0-0			POLY BAG									
											A-PS-9905729-0-0			CARTON SEALING TAPE									
		10	B-DD-KD11-B	#	1	CENTRAL PROCESSOR																	
			A-PL-KD11-B-0-0	#	1	CENTRAL PROCESSOR (PL)																	
		11	B-DD-MM11-L	#	3	16 BIT 18 MIL MEMORY																	
			A-PL-MM11-L-0-0	#	1	16 BIT 18 MIL MEMORY (PL)																	
C	C	12	B-DD-KY11-J		3	DRAWING DIRECTORY (KY11-J)																	
			D-UA-KY11-J-Ø		1	CONSOLE ASSY (PDP 11/05)																	
			A-PL-KY11-J-Ø		1	CONSOLE ASSY (PDP 11/05) P.L.																	
	X	13	A-PI-3700061-0-0	#	4	11/05 PACKAGING INSTRUCTION CUSTOMER 5 1/2																	
			A-PS-9905647-0-0			FULL TELESCOPE CAP																	
			A-PS-9905648-0-0			FOAM PAD																	
			A-PS-9905646-0-0			LAMINATED BUILDUP																	
			A-PS-9905734-0-0			PLASTIC STRAPPING																	
CUSTOMER PRINT SET CODES							TITLE									SIZE CODE		NUMBER		REV			
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET							16 BIT COMPUTER									SHEET 5 OF 8		8 DD		11/05-Ø		AH	
C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT																							
S = CONFIDENTIAL AUTHORIZED SIGN. JRE REQUIRED																							

DPB 108

DEC 16 (325)-1062-2B-R972



NOTE: SHEETS 6 & 8 ARE FOR 10.5 BOX ONLY.

TITLE	SHEET OF	SIZE CODE	NUMBER	REV
16 BIT COMPUTER (PDP11/05)	6 OF 8	B DD	11/05-0	A.H

CUSTOMER PRINT SET		MECHANICAL					CUSTOMER PRINT SET										
		MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE			MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		X	8	A-SP-3700098-0-0		4	PKG. INST. CUSTOMER 11/05 (10-1/2)										
				A-PS-9905647-0-0			FULL TELESCOPE CAP										
				A-PS-9905648-0-0			FOAM PAD										
				A-PS-9905641-0-0			LAMINATED BUILDUP										
				A-PS-9905734-0-0			PLASTIC STRAPPING										
		X	9	A-SP-3700156-0-0		3	PKG. INST. INPLANT 11/05 (10 1/2)										
				A-PS-9905417-0-0			REGULAR SLOTTED CARTON										
				A-PS-9905335-0-0			LAMINATED BUILDUP										
				A-PS-9905333-0-0			LAMINATED BUILDUP										
				A-PS-9905332-0-0			LAMINATED BUILDUP										
				A-PS-9905129-0-0			POLY BAG										
				A-PS-9905729-0-0			CARTON SEALING TAPE										

CUSTOMER PRINT SET CODES
 X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
 C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
 S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE
 16 BIT COMPUTER (PDP1105)

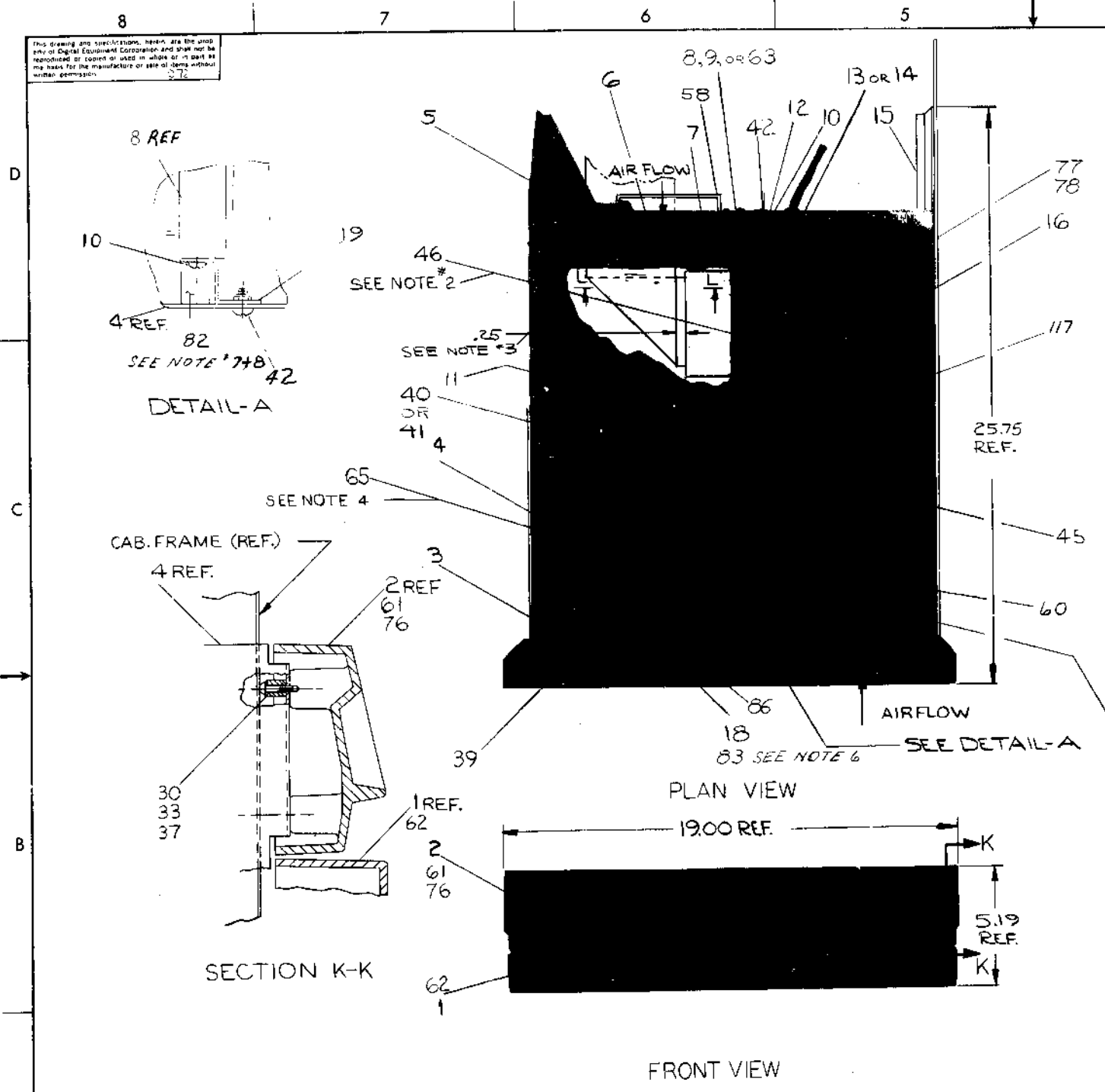
SHEET 8 OF 8
 SIZE CODE
 B DD

NUMBER
 11/05-0

REV
 A H

DRB 108

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WIREF TABLE				
PART NO.	COLOR	FROM HARNESS LEAD NO.	TO SYSTEM LOCATION	REMARKS
7008713	RED	J1	51-2	VIEW E-E
	RED	J2	51-1	
	VIO	J3	51-6	
	BLK	J4	51-5	
	RED	J12	H740 P.S. J3	
	RED	J11	H740 FAN	
	WHT	J10	H740 FAN	R.S. FAN TAB
		J6	P9	BACK OF CHASSIS
		J5	P8	BACK OF CHASSIS
		J9	TRANSFORMER P5	VIEW H-H
		P1	A.C. INPUT BOX J13	A.C. INPUT BOX
	RED	J7	11/05 FAN	CHASSIS FAN
7008713	WHT	J8	11/05 FAN	CHASSIS FAN
7008856		P1	H740 R.S. J2	R.S. WARE-N-LOCK
	VIO	8	BP-1	VIEW F-F
	RED	9	BP-3	
	YEL	10	BP-2	
	BLK	11	BP-4	
	BLU	12	BP-5	
	GRN	13	LOGIC POINT CALUL	
	BRN	14	LOGIC POINT CALUL	L+C L0
	BLK	15	BP-6	VIEW F-F
7008856	RED	16	BP-7	VIEW H-H & POWER CARD TO TRANSFORMER
		TRANSFORMER P2	7008721 P/S J1	
7409729-2	RED	B.P.-7	CONSOLE-#5	CONSOLE TO BACK PLANE & VIEW D-D
7409729-1	BLK	B.P.-6	CONSOLE-GND	CONSOLE TO BACK PLANE & VIEW D-D
7409903	BLK	B.P.-6	BACK PLANE-GND	BACK PLANE TO CHASSIS - DETAIL-A

- NOTES:
- INSTALLATION OF I/O CABLE, WHICH IS ALREADY CONNECTED TO ITEM*(2), CONSOLE ASSY, IS AS FOLLOWS:
RUN I/O CABLE DOWN INNER SIDE OF ITEM*(18) CARD GUIDE ASSY. SLIDE CABLE THROUGH OPENING ON BOTTOM OF ITEM*(18) CARD GUIDE ASSY, TO ONE OF THE THREE EXIT LOCATIONS FOR THE CABLE, AFTER EXIT LOCATION IS DECIDED, FOLD CABLE 90° AND HOLD IN PLACE BY USING ITEM*35 (CLAMP) AND ITEM*46 (TAPE) AS SHOWN IN VIEW C-C.
 - USE TAPE (ITEM*46) TO HOLD HEADER CABLE ASSY TO CHASSIS.
 - FOLD CABLE 90° AS SHOWN TO INSURE CORRECT LOCATION IN CABLE CLAMP.
 - ITEM*65 (ELECTROMAGNETIC SHIELD) GOES BETWEEN CENTRAL PROCESSOR BOARDS & MEMORY BOARDS.
 - ITEMS*79&80 (THREAD CUTTING SCREWS) MUST BE ASSEMBLED USING A TORQUE SCREW DRIVER. SCREWS WILL BE ATTACHED USING 8 INCH POUNDS OF TORQUE.
 - ADHERE FOAM(9009542) TO TOP OF CARD GUIDE (*121099).
 - ADHERE FOAM(9009543) TO END OF LOGIC FRAME.
 - DONOT ADD ITEM*82 TO VARIATIONS MA, MB, PA, OR PB.
 - INSTALL GAFFLE(1211301) IN UNUSED SLOTS OR RIGHT HAND CARD GUIDE (1211099).

THIS CONNECTION IS SHOWN 90° OUT OF POSITION FOR CLARITY.

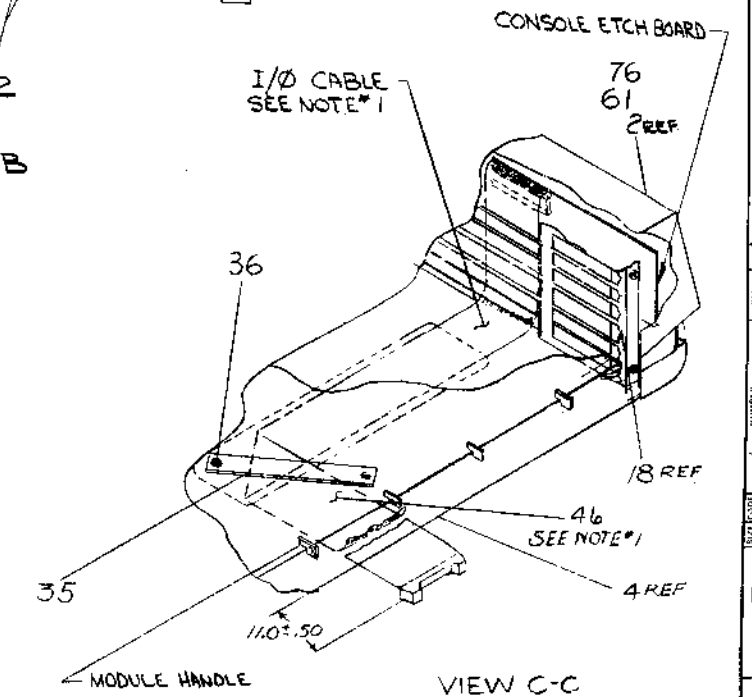
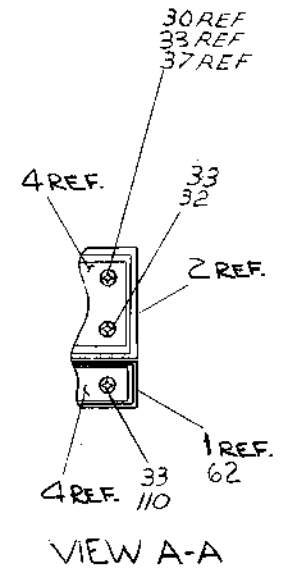
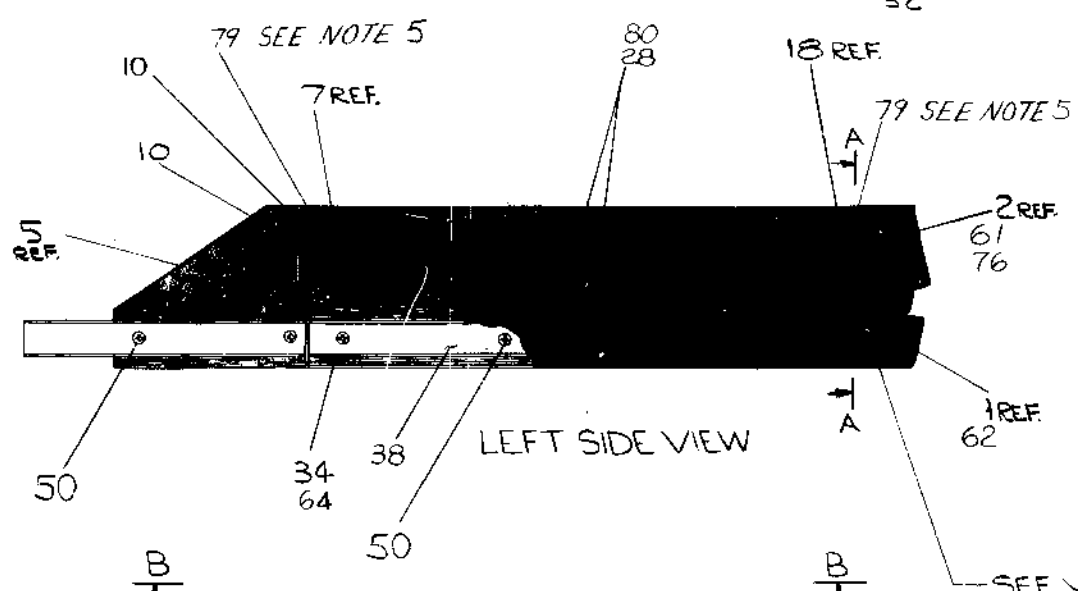
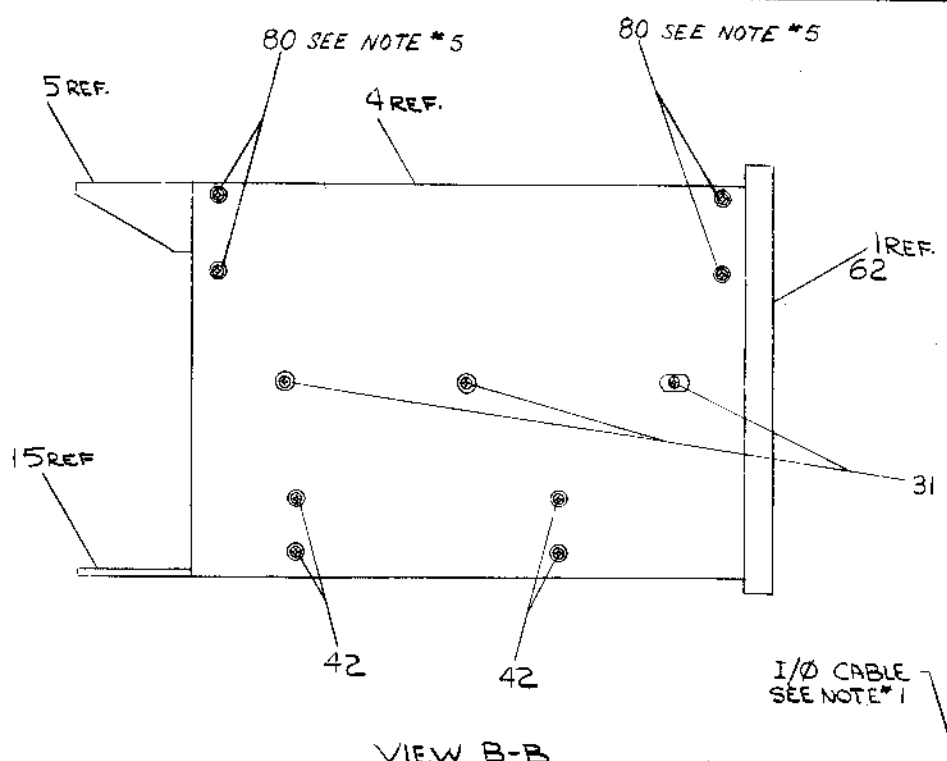
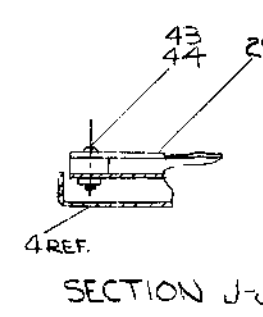
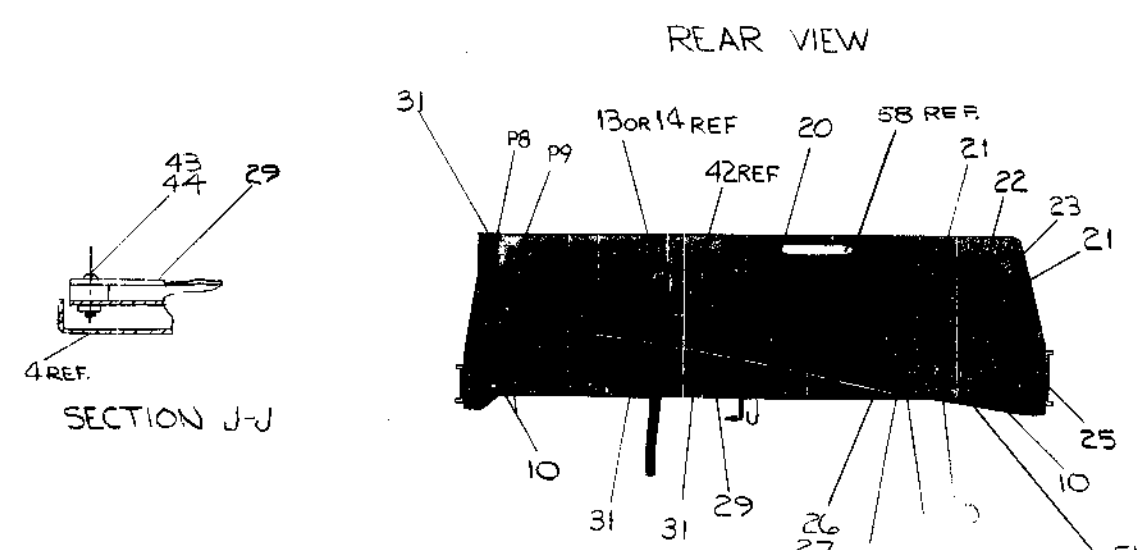
REV	CHANGE NO.	REV	DATE	BY	CHKD	DATE	BY	CHKD
1	1105-00017	A	10-15-72	M. TITELBAUM				
2	1105-00034	B	11-27-72	G. GRAHAM				
3	1105-00035	C	12-1-72	G. GRAHAM				
4	1105-00039	D	1-12-73	R.L. GATES				
5	1105-00040	E	1-12-73	M. TITELBAUM				
6	1105-00041	F	1-12-73	G. GRAHAM				
7	1105-00042	G	1-12-73	G. GRAHAM				
8	1105-00043	H	1-12-73	G. GRAHAM				
9	1105-00044	I	1-12-73	G. GRAHAM				
10	1105-00045	J	1-12-73	G. GRAHAM				
11	1105-00046	K	1-12-73	G. GRAHAM				
12	1105-00047	L	1-12-73	G. GRAHAM				
13	1105-00048	M	1-12-73	G. GRAHAM				
14	1105-00049	N	1-12-73	G. GRAHAM				
15	1105-00050	O	1-12-73	G. GRAHAM				
16	1105-00051	P	1-12-73	G. GRAHAM				
17	1105-00052	Q	1-12-73	G. GRAHAM				
18	1105-00053	R	1-12-73	G. GRAHAM				
19	1105-00054	S	1-12-73	G. GRAHAM				
20	1105-00055	T	1-12-73	G. GRAHAM				
21	1105-00056	U	1-12-73	G. GRAHAM				
22	1105-00057	V	1-12-73	G. GRAHAM				
23	1105-00058	W	1-12-73	G. GRAHAM				
24	1105-00059	X	1-12-73	G. GRAHAM				
25	1105-00060	Y	1-12-73	G. GRAHAM				
26	1105-00061	Z	1-12-73	G. GRAHAM				

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
PDP 1105 PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DATE: 2-2-73		
DECIMALS .XXX - .005	ANGLES 10° - 30'	DATE: 4-14-72		
.XX - .02	X - 1	DATE: 5-15-72		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY		DATE: 5-16-72		
MATERIAL		NEXT HIGHER ASSY.		
FINISH		SIZE CODE		
B-DD-1105-0		NUMBER		
SCALE NONE		DUA 1105-0-0		
SHEET 1 OF 5		REV. Z		

PART NO. DUA 1105-0-0

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2 0-0-5011 1105-0-0



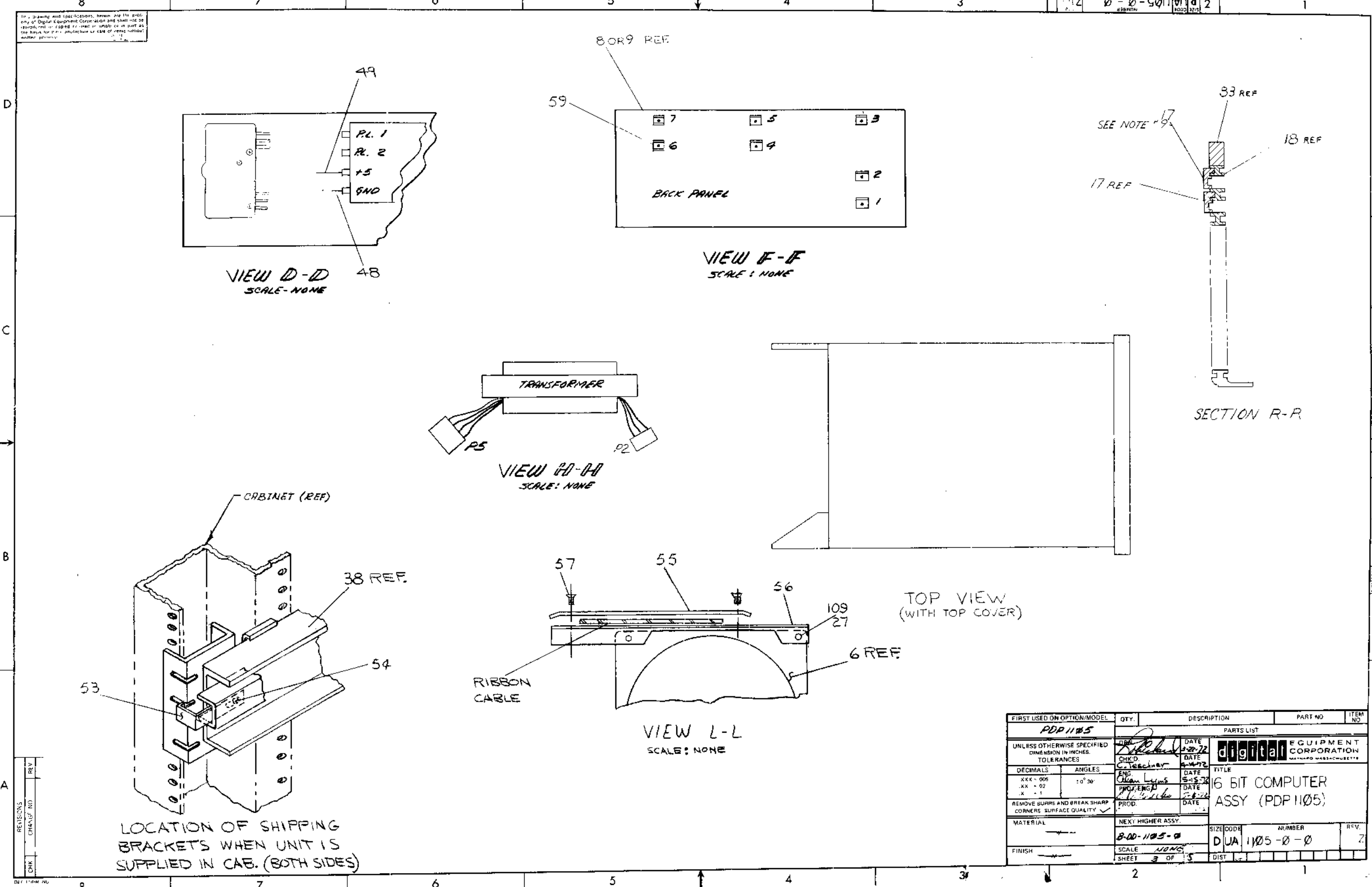
REV	NO
CHG	NO

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
PDP 1105				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	BRN DATE 5-15-72	DATE 5-15-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	TITLE		
.XXX - .005	± 0° 30'	16 BIT COMPUTER ASSY (PDP 1105)		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	DATE 5-16-72	DATE 5-16-72		
MATERIAL	NEXT HIGHER ASSY	SCALE	SIZE CODE	
FINISH	B-DD-1105-0	NONE	NUMBER	
	SHEET 2 OF 5	DIST	REV.	

DEC FORM NO. 100-100-A

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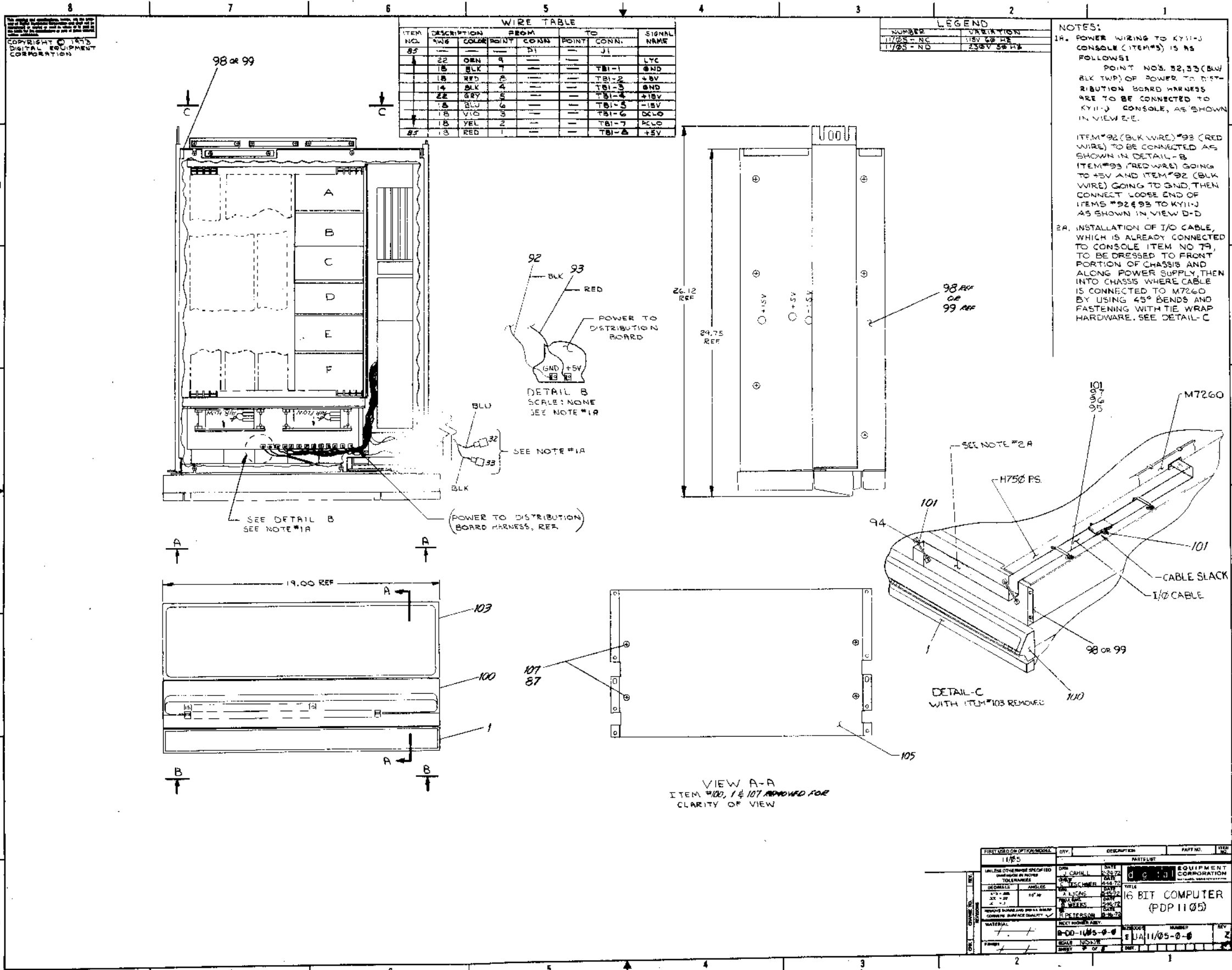
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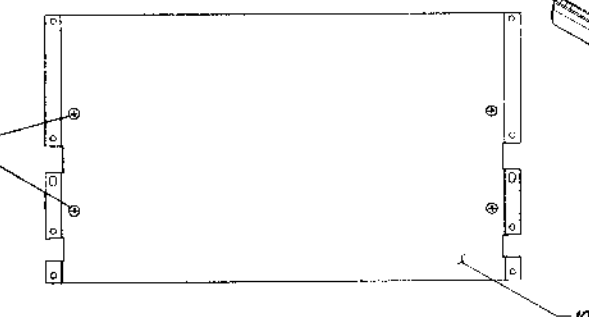
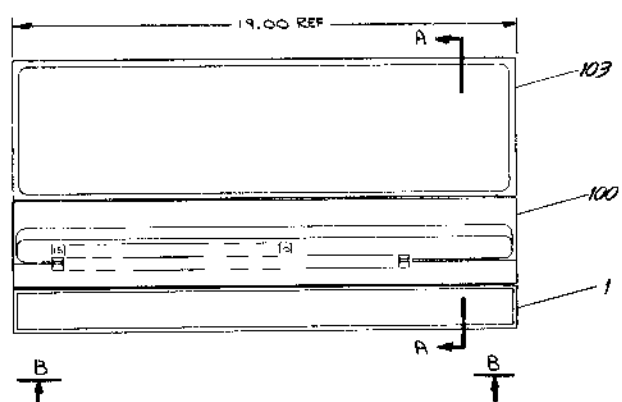
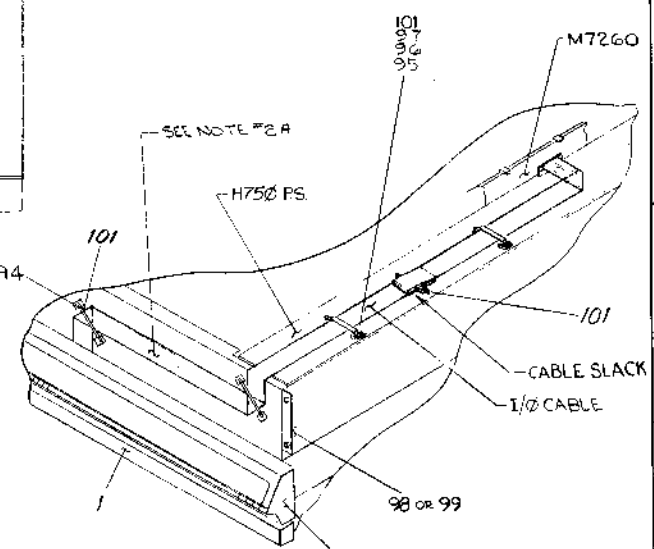
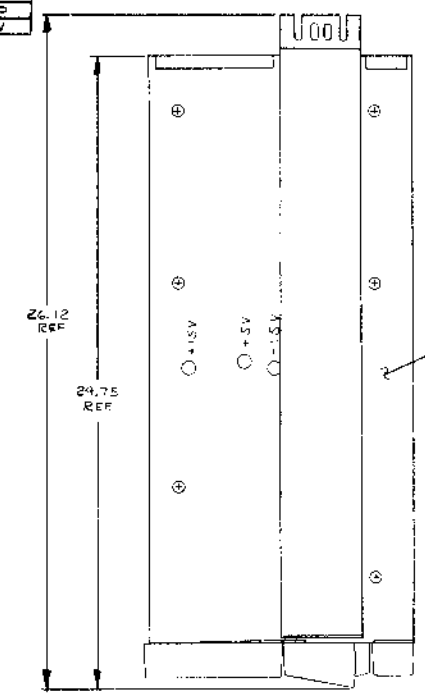
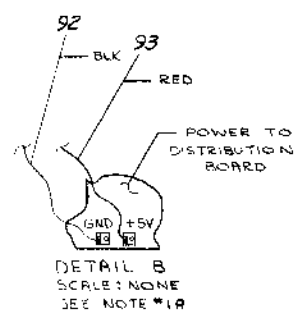
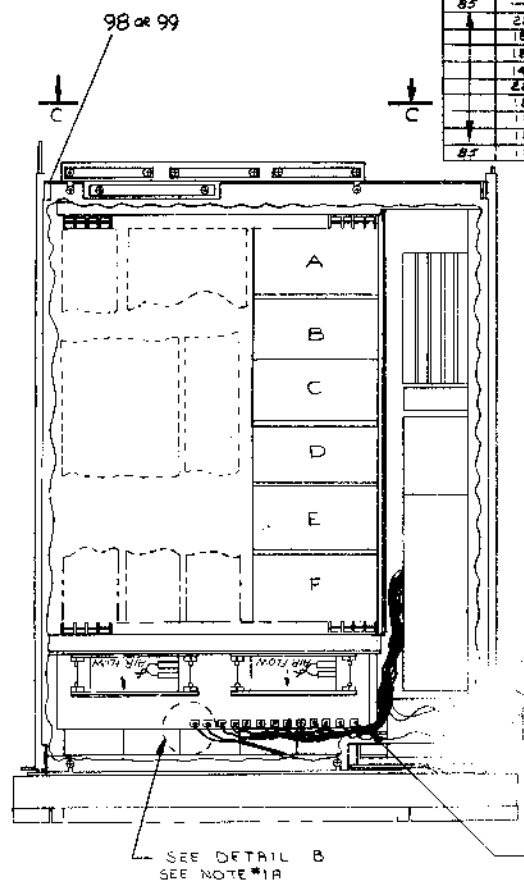
REV	NO	DATE	BY	CHKD

LOCATION OF SHIPPING BRACKETS WHEN UNIT IS SUPPLIED IN CAB. (BOTH SIDES)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP1105		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DATE 3-22-72			
DECIMALS .005	DATE 4-14-72			
ANGLES :0° 30'	DATE 5-15-72			
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY	DATE 7-8-72			
MATERIAL	NEXT HIGHER ASSY.	TITLE	SIZE CODE	NUMBER
FINISH	B-00-1105-0	16 BIT COMPUTER ASSY (PDP1105)	DUA	1105-0-0
	SCALE NONE			
	SHEET 3 OF 5			



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VIEW A-A
 ITEM #100, 1 & 107 REMOVED FOR CLARITY OF VIEW

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/05/75	J. J. ...	...
2	...	...	...	...

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/05/75	J. J. ...	...
2	...	...	...	...

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/05/75	J. J. ...	...
2	...	...	...	...

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/05/75	J. J. ...	...
2	...	...	...	...

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	11/05/75	J. J. ...	...
2	...	...	...	...

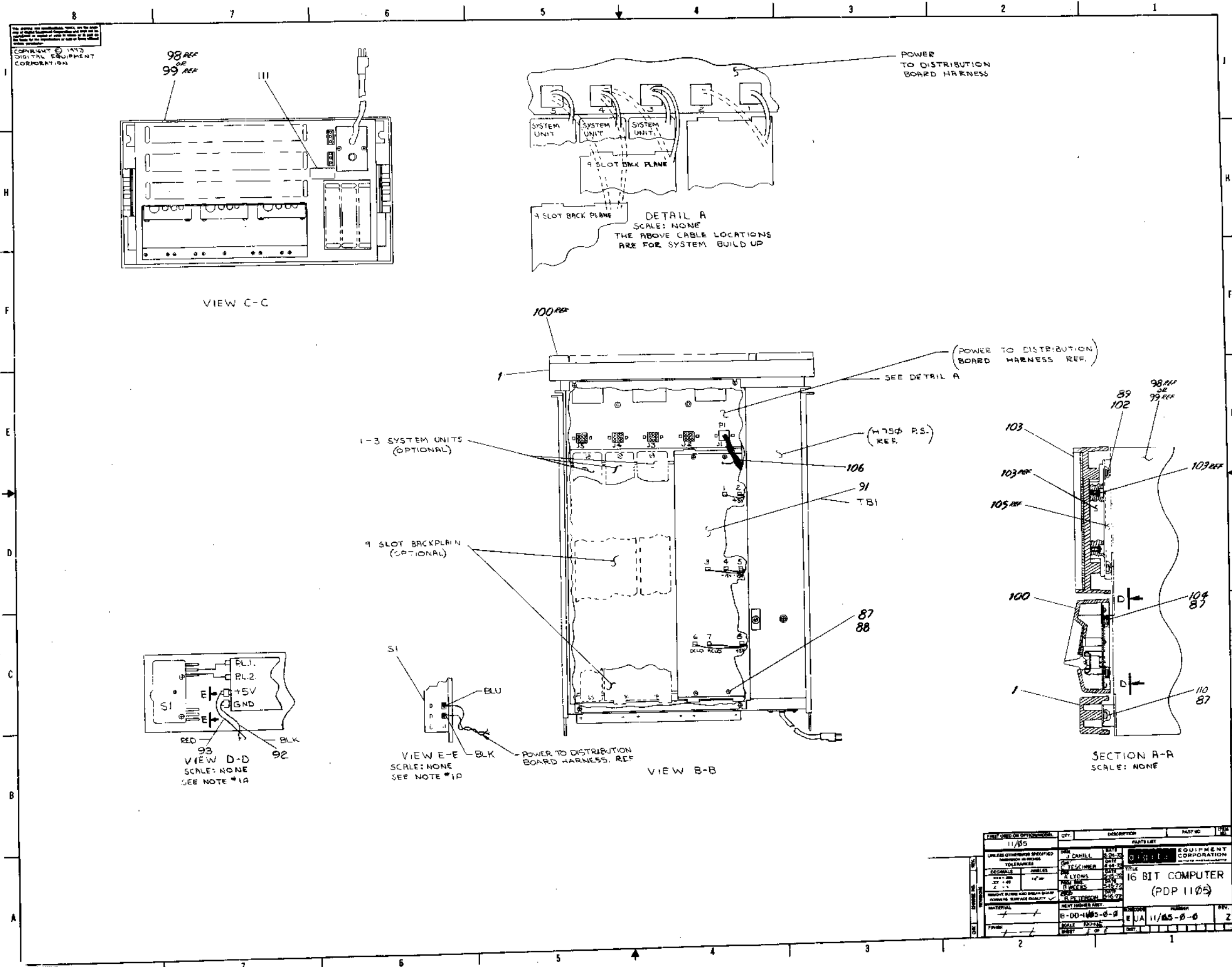


Table with 43 rows and multiple columns for part numbers, descriptions, and quantities. Includes a title block at the top left and a quantity/variation header at the top center. The table is divided into sections labeled D, C, B, and A.

Revisions table (A), Material/Finish specifications, and title block information including '16 BIT COMPUTER ASSY (PDP 1105)', 'DIGITAL EQUIPMENT CORPORATION', and various engineering dates and signatures.

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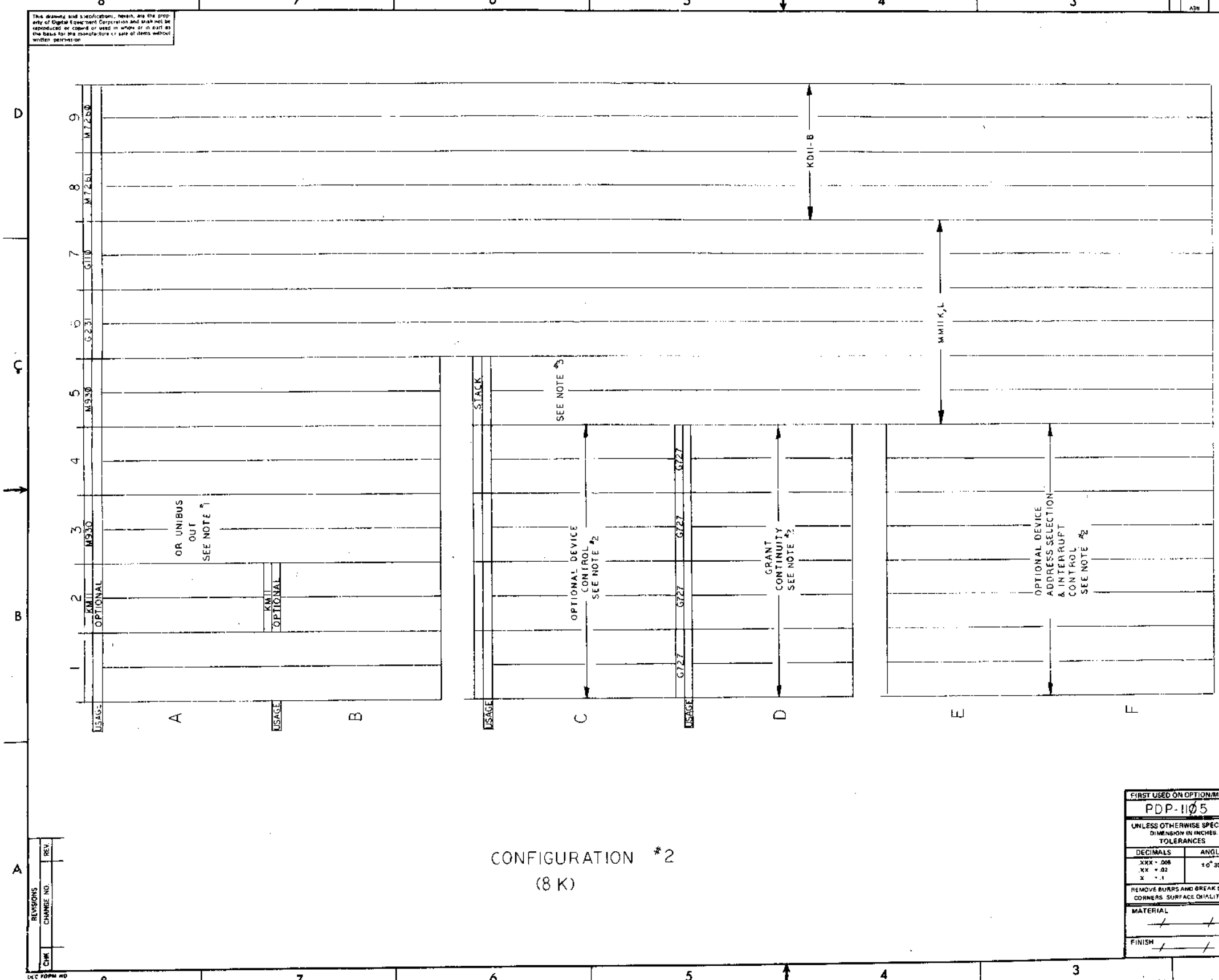
ITEM NO.	DWG. NO. / PART NO.	DESCRIPTION	PARTS															
			1105-PA	1105-PB	1105-PC	1105-PD	1105-PE	1105-PF	1105-PG	1105-PH	1105-PI	1105-PJ	1105-PK	1105-PL	1105-PM	1105-PN	1105-PO	
87	9006635	WASH INT TOOTH #10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
88	9006043-1	SCR PHL HD PAN #8-32 x 1.0 LG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
89	9006035-1	SCR PHL HD PAN #8-32 x .25 LG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
90	D-MU-1105-0-07	MODULE UTILIZATION (16K)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
91	D-UA-7009505-0-0	WIRED ASSY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
92	B-IA-7409729-03	JUMPER POWER (BLK)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
93	B-IA-7409729-04	JUMPER POWER (RED)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
94	9000264	CLAMP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
95	9007033	TIE WRAP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
96	9007649	WASH EXT TOOTH #6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
97	9006020-1	SCR PHL HD PAN #6-32 x .1/4 LG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
98	E-UA-BALL-DA-0	CHASSIS ASSY (115V)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
99	E-UA-BALL-DB-0	CHASSIS ASSY (230V)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
100	D-UA-KY11-JD-0	CONSOLE ASSY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
101	9000442	TIE WRAP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
102	9006634	WASHER INT TOOTH #8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
103	A-PL-7008847-0-0	BEZEL KIT ASSY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
104	9006071-1	SCR PHL HD PAN #10-32 x .38 LG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
105	D-MD-7410664-0-0	CONSOLE MFG BRK'T (10.5)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
106	D-IA-7009360-0-0	CPU POWER HARNESS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
107	9006070-1	SCR PHL HD PAN #10-32 x .31 LG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
108	A-DC-7411305-0-0	DECAL (10 1/2 MODULE UTILIZATION)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
109	9006025-1	PHL PAN HD SCREW 6-32 X .62 (SEE NOTE #14 ON DWG)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
110	9009573	SCR PHL HD PAN THREAD CUTTING #10-16 X .38 LG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
111	A-DC-7409470-0-0	DECAL PATENT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
112	A-PI-3700061-0-0	PACKAGING INSTRUCTION (5-1/4) CUST.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
113	A-PI-3700098-0-0	PACKAGING INSTRUCTION (10-1/2) CUST.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
114	9006633	WASH INT TOOTH #10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
115	9009165	CLIP MFG (SEE NOTE #14 ON DWG)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
116	9008202	CLIP MFG (SEE NOTE #14 ON DWG)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
117	D-UA-7008731-0-0	POWER SUPPLY 11/05 (5-1/4 INCHES)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
118	A-SP-3700133-0-0	PACK. INST. 11/05 INPLANT (5-1/4)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
119	A-SP-3700156-0-0	PACK. INST. 11/05 INPLANT (10-1/2)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

REVISIONS CHANGE NO. CHK	REV.	
	DATE	
	BY	
	REASON	
FIRST USED ON OPTION MODEL 1105		UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES $\pm .005$ $\pm 1/64$ $\pm 0^{\circ}30'$ FINAL SURFACE QUALITY <input checked="" type="checkbox"/> REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL +-----+		DRN. J. CAHILL DATE 2/25/72 CHK'D. C. TESCHNER DATE 2/27/72 ENG. A. JONES DATE 2/15/72 PROJ. ENG. B. WEEKS DATE 2/16/72 PROD. R. PETERSON DATE 2/16/72 NEXT WORKER ASSY B-DD-1105-0
FINISH +-----+		SCALE +-----+ SHEET 3 OF 3
digital EQUIPMENT CORPORATION WAYNAND, MASSACHUSETTS		TITLE 16 BIT COMPUTER ASSY (PDP1105)
SIZE CODE C PL		NUMBER 1105-0-0
REV. Z		DIST.

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10-0-5011W02
3000 2705

- NOTES:
1. BEFORE THE 1105 IS CONNECTED TO OTHER SYSTEM OPTIONS, THE M930 BUS TERMINATOR IS IN LOCATION A, B03. THIS TERMINATOR IS MOVED TO THE END SYSTEM OPTION UPON INTERCONNECTION
 2. PREWIRED MODULE SLOTS FOR SMALL PERIPHERAL OPTIONS, WITH NO OPTIONS INSTALLED, BUS GRANT CONTINUITY IS PROVIDED BY G727 MODULE IN LOCATION D01, D02, D03, D04. THE G727 IS REMOVED WHEN A SMALL PERIPHERAL OPTION IS INSTALLED
 3. IF MM1HK, STACK IS H213
IF MM1HL, STACK IS H214



CONFIGURATION #2
(8K)

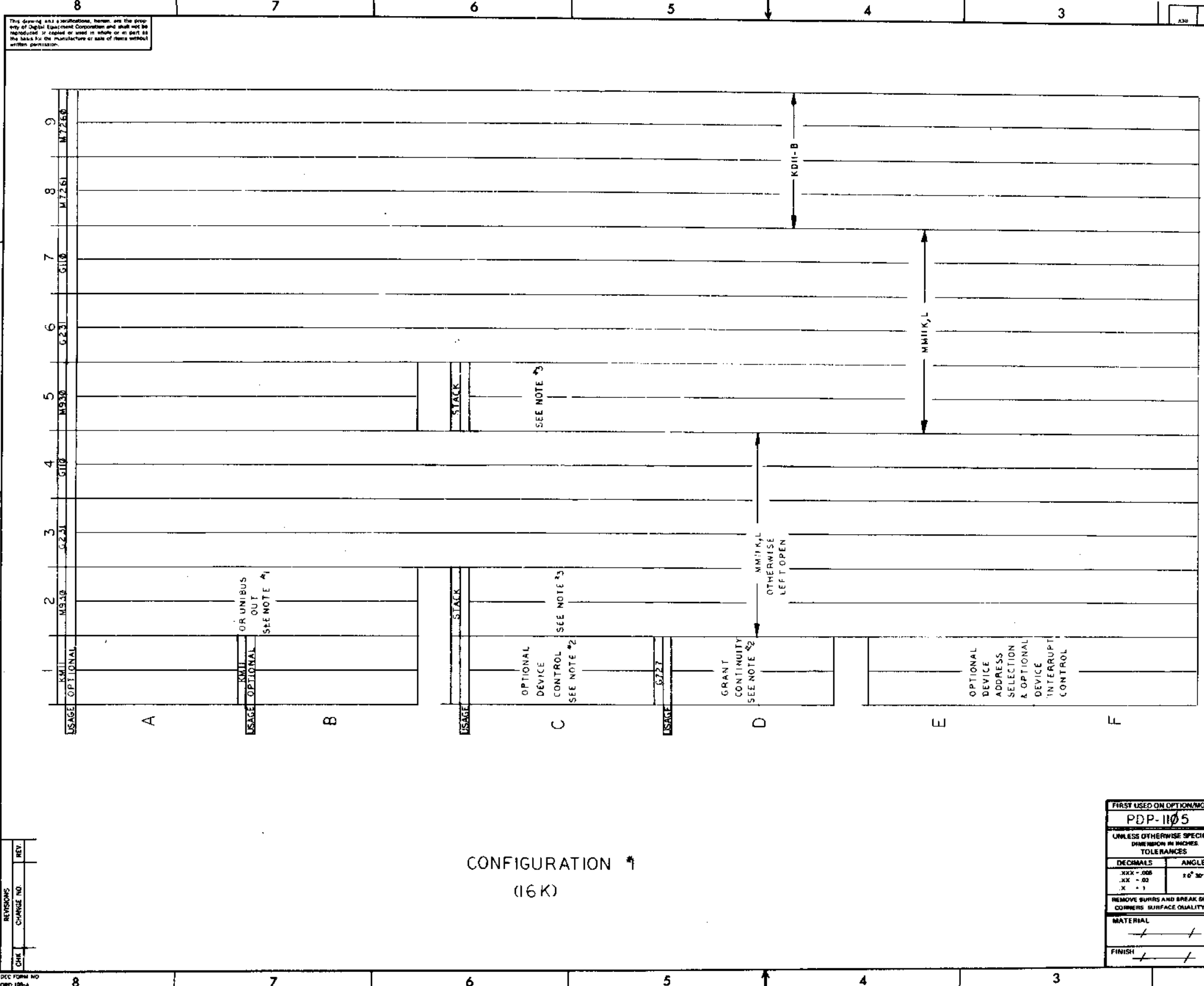
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	CENTRAL PROCESSOR	B-DD-KOII-B-0	5
4	GRANT CONTINUITY	A-PL-G727-0-0	4
1	16BIT 18MIL MEMORY	B-DD-MM1L-L-0	3
2	BUS TERMINATOR	A-PL-M930-0-0	2
*	MAINTENANCE BOARDS	A-PL-KMI1-0-0	1

FIRST USED ON OPTION MODEL		PARTS LIST	
PDP-1105		digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN C. Taschner	DATE 4-24-72	TITLE
TOLERANCES	CHKD	DATE 5-4-72	MODULE UTILIZATION (8K)
DECIMALS ANGLES	EXP. DATE	DATE 5-4-72	
XXX - .008	PROB. ENG. DATE	DATE 5-7-72	
XX - .02	PROB. DATE	DATE 5-7-72	
X - .1	PROD. DATE	DATE 5-7-72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. DATE	DATE 5-7-72	
MATERIAL	NEXT HIGHER ASSY.	NUMBER	REV
FINISH	D-UA-1105-0-0	DMU 1105-0-02	
SCALE	SHEET 1 OF 1	DIST.	

REVISIONS	REV
CHANGE NO.	
CHK	

REV
DMU 1105-0-02

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- NOTES:**
1. BEFORE THE 1105 IS CONNECTED TO OTHER SYSTEM OPTIONS, THE M930 BUS TERMINATOR IS IN LOCATION A, B02. THIS TERMINATOR IS MOVED TO THE END SYSTEM OPTION UPON INTERCONNECTION
 2. PREWIRED MODULE SLOTS FOR SMALL PERIPHERAL OPTIONS. WITH NO OPTIONS INSTALLED, BUS GRANT CONTINUITY IS PROVIDED BY G727 MODULE IN LOCATION D01. THE G727 IS REMOVED WHEN A SMALL PERIPHERAL OPTION IS INSTALLED
 3. IF MMIIK, STACK IS H213
IF MMII L, STACK IS H214

CONFIGURATION #1
(16K)

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	CENTRAL PROCESSOR	8-DD-KDII-B-0	5
1	GRANT CONTINUITY	A-PL-G727-0-0	4
1	16BIT 18 MIL MEMORY	8-DD-MMII-L-0	3
2	BUS TERMINATOR	A-PL-M930-0-0	2
*	MAINTENANCE BOARDS	A-PL-KMII-0-0	1

FIRST USED ON OPTION/MODEL		DATE		TITLE	
PDP-1105		4-20-72		MODULE UTILIZATION (16K)	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN: C. [Signature]		EQUIPMENT CORPORATION	
DECIMALS	ANGLES	DATE	DATE	PARTS LIST	
.XXX - .005	± 0° 30'	5-17-72	5-17-72	digital CORPORATION	
.XX - .02		5-17-72	5-17-72	TITLE	
.X - .1		5-17-72	5-17-72	MODULE UTILIZATION (16K)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROJ: [Signature]	DATE	SIZE CODE	
		5-17-72	5-17-72	NUMBER	
MATERIAL		NEXT HIGHER ASSY.		REV.	
FINISH		DUA-1105-0-0		DMU 1105-0-01	
SCALE		SHEET 1 OF 1		DIST	

REVISIONS
CHANGE NO. REV.

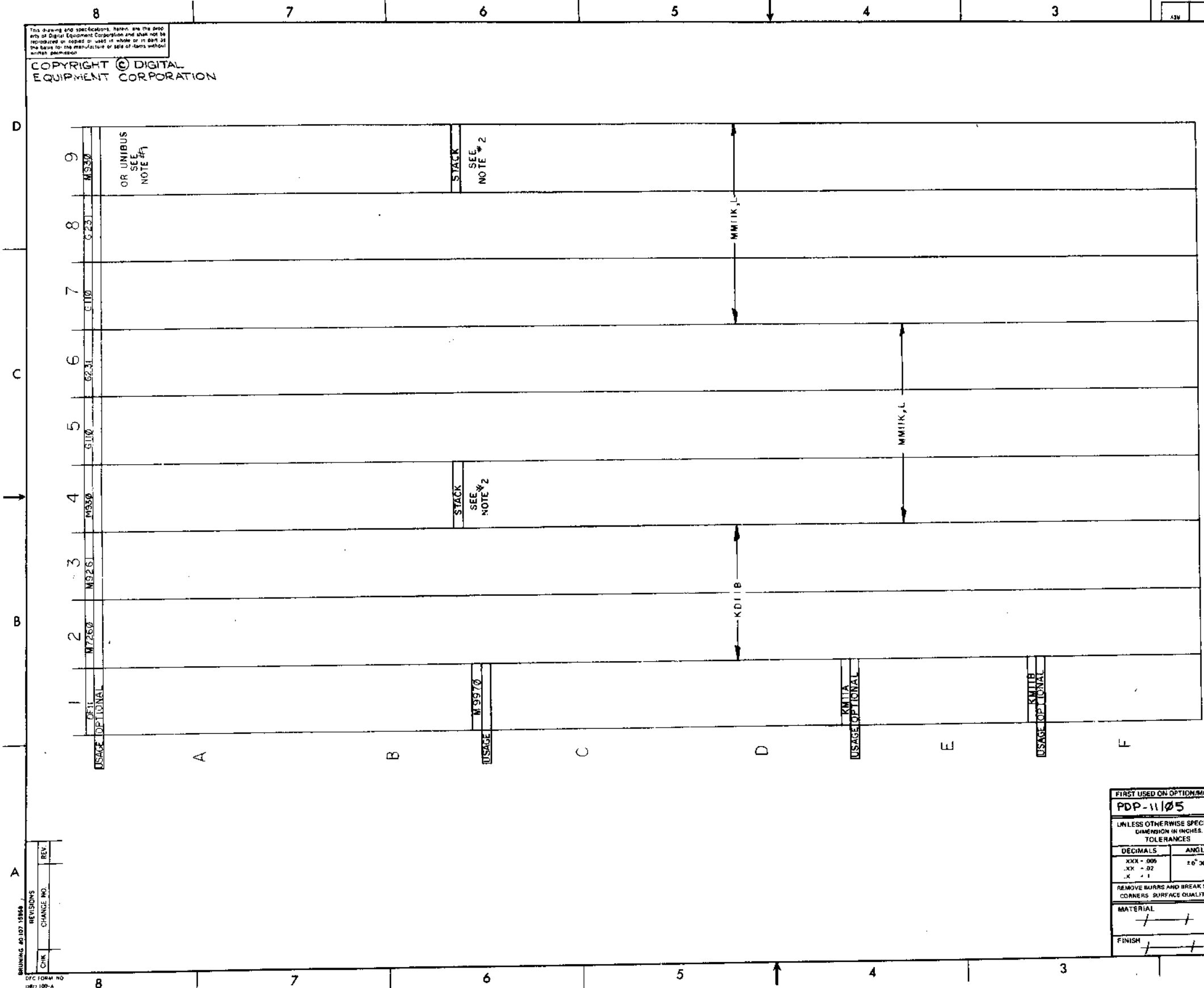
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20-0-501105-02

NOTES:

- BEFORE THE 1105 IS CONNECTED TO OTHER SYSTEM OPTIONS, THE M930 BUS TERMINATOR IS IN LOCATION A, B09. THIS TERMINATOR IS MOVED TO THE END SYSTEM OPTION UPON INTERCONNECTION.
- IF MM11-K, STACK IS HZ13; IF MM11-L, STACK IS HZ14.



1	M9970	D-CS-M9970-01	5
1	CENTRAL PROCESSOR	B-DD-KD11-B-0	4
1	16 BIT 18MIL MEMORY	B-DD-MM11-L-0	3
2	BUS TERMINATOR	A-PL-M930-00	2
*	MAINTENANCE BOARDS	A-PL-MM11-00	1

FIRST USED ON OPTION/MODEL		PARTS LIST	
PDP-1105		QTY.	DESCRIPTION
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PART NO.	ITEM NO.
DECIMALS	ANGLES	digital EQUIPMENT CORPORATION	
XXX - .005	± 0° 30'	KEYWORD MASSACHUSETTS	
XX - .02		TITLE	
X - .1		MODULE UTILIZATION (16K)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		MATERIAL	
		NEXT HIGHER ASSY	
		FINISH	
		SCALE	
		SHEET	
		DIST.	

DMU 1105-0-07

BRUNING 40107 1584A
DQC FORM NO 1087 100-A

DRAWING DIRECTORY

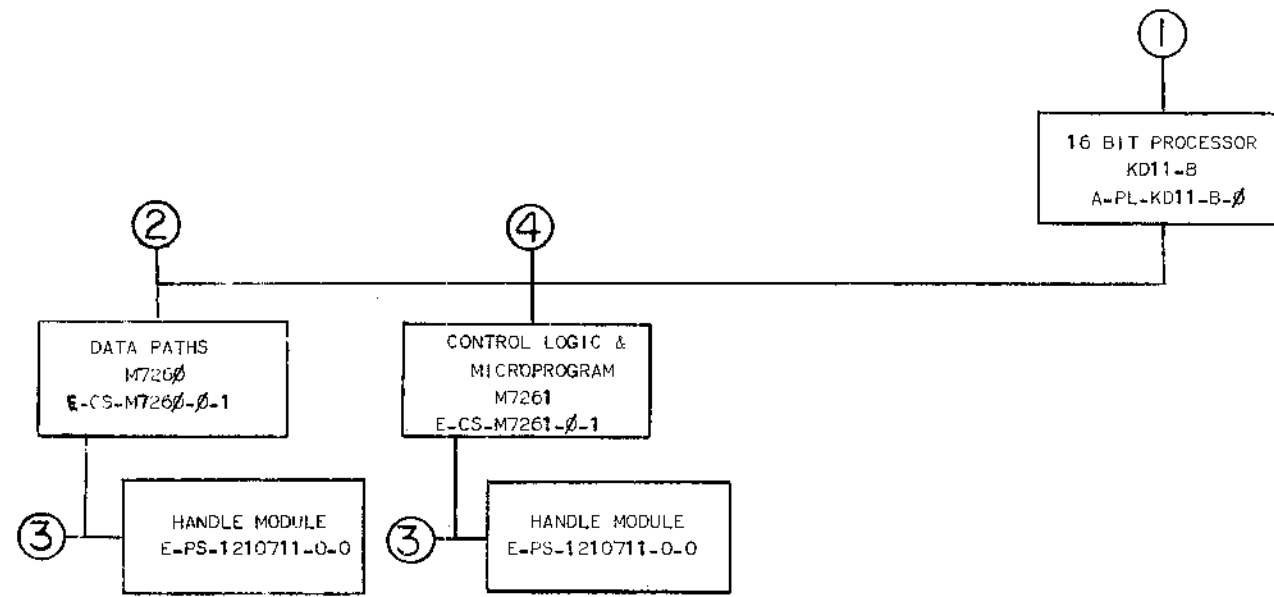
CUSTOMER PRINT SET INDEX

THIS IS PRINT SET X

- | SEQUENCE | SEQUENCE |
|---------------------------------|----------------|
| 16 BIT PROCESSOR KD11-B | B-DD-KD11-B |
| MICROPROGRAM FLOW | K-MP-KD11-B-1 |
| MICROPROGRAM SYMBOLIC LISTING | K-MP-KD11-B-2 |
| MICROPROGRAM BINARY LISTING | K-MP-KD11-B-3 |
| MICROPROGRAM CROSS REF. LISTING | K-MP-KD11-B-4 |
| DATA PATHS | E-CS-M7261-B-1 |
| DATA PATH ROM PATTERNS | K-RL-M7261-B-8 |
| CONTROL LOGIC & MICROPROGRAMS | E-CS-M7261-B-1 |
| CONTROL LOGIC ROM PATTERNS | K-RL-M7261-B-8 |

VARIATION	TITLE	PRINT SET TYPE			
		KD11-B			
KD11-B	16 BIT PROCESSOR				

DATE	CHG. NO.	REV	USED ON OPTION/MODEL	DRN.	DATE	TITLE		REV
				J. CAHILL	4/21/72	16 BIT PROCESSOR		
		A		CHK'D.	DATE			
		B		C. Teschner	5-15-72			
		C		PROJ. ENG.	DATE			
		D		A. Tach	5-16-72			
		E		PROD.	DATE			
				FIELD SERV.	DATE			
				X. Teschner				
				SHEET	1 OF 3			



TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
16 BIT PROCESSOR KD11-B	SHEET	2	R	DD	KD11-B	E

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL								
KDII-B				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	KDII-B				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
					1.	A-PL-KD11-B-0		1	16 BIT PROCESSOR (KD11-B)							1.	A-PL-KD11-B-0		1	16 BIT PROCESSOR (KD11-B)	
C						K-MP-KD11-B-1	C	22	MICROPROGRAM FLOW												
C						K-MP-KD11-B-2	E	6	MICROPROGRAM SYMBOLIC LISTING												
C						K-MP-KD11-B-3	E	7	MICROPROGRAM BINARY LISTING												
C						K-MP-KD11-B-4		3	MICROPROGRAM CROSS REF. LISTING							2.	E-CS-M7260-0-1		10	DATA PATHS (M7260)	
																	B-MH-M7260-0-6		1	MODULE ECO HISTORY	
																	K-CO-M7260-0-4		1	X-Y CO-ORDINATE HOLE HISTORY	
																	B-AH-M7260-0-5		1	ASSY/DRILLING HOLE	
X					2.	E-CS-M7260-0-1	#	10	DATA PATHS (M7260)							3.	E-PS-1210711-0-0		1	HANDLE MODULE	
						B-MH-M7260-0-6		1	MODULE ECO HISTORY												
						K-CO-M7260-0-4		1	X-Y CO-ORDINATE HOLE LOCATION												
						B-AH-M7260-0-5		1	ASSY/DRILLING HOLE												
X						K-RL-M7260-0-8	#	15	DATA PATH ROM PATTERNS							4.	E-CS-M7261-0-1		13	CONTROL LOGIC & MICROPROGRAM	
																	B-MH-M7261-0-6		1	MODULE ECO HISTORY	
X					4.	E-CS-M7261-0-1	#	13	CONTROL LOGIC & MICROPROGRAM								K-CO-M7261-0-4		1	X-Y CO-ORDINATE HOLE LOCATION	
						B-MH-M7261-0-6		1	MODULE ECO HISTORY								B-AH-M7261-0-5		1	ASSY/DRILLING HOLE	
						K-CO-M7261-0-4		1	X-Y CO-ORDINATE HOLE LOCATION												
						B-AH-M7261-0-5		1	ASSY/DRILLING HOLE												
X						K-RL-M7261-0-8	#	57	CONTROL LOGIC ROM PATTERNS												

TITLE	SHEET 3 OF 3	SIZE B	CODE DD	NUMBER KD11-B	REV E
-------	--------------	--------	---------	---------------	-------

NOTES ON NOTATION:

- 1, MICROUTINES BEGIN WITH A COMMENT THE FIRST CHARACTER OF WHICH IS '/'.
/
- 2, ALL OTHER COMMENTS BEGIN WITH '///'.
/
- 3, R[N] REFERS SCRATCH PAD REGISTER N, R[7] IS ALSO REFERRED TO AS 'PC'.
/
- 4, R[S] REFERS TO THAT REGISTER SPECIFIED IN THE SOURCE PORTION OF THE CURRENT INST, (IR<119>); LIKEWISE, R[D] REFERS TO THAT REG SPECIFIED IN THE DESTINATION PORTION OF THE CURRENT INST, (IR<210>).
/
- 5, K[N] REFERS TO THAT LOCATION OF THE CONSTANTS CHIP CONTAINING THE CONSTANT N.
/
- 6, 'BUT' STANDS FOR 'BRANCH ON MICRO TEST'.
/

```

LOC  NXT  * INSTRUCTION FETCH
062 053  F=1  BA=PC; DATI
053 365  F=2  B=PC+2
365 364  F=3  PC=BI CKOFF
364 061  F=4  B,IR=UNIBUS DATA
061 001  F=5  B=B SEX; BUT IR DECODE
      / IF DOUBLE OP INST GOTO S0=1 THRU S7=1 DEPENDING ON SOURCE MODE
      / IF SINGLE OP INST GOTO D0=1 THRU D7=1 DEPENDING ON DEST MODE (INCLUDING JSR)
      / IF BRANCH, CHANGE PC GOTO B=1
      / IF BRANCH, PC UNCHANGED GOTO B2=2
      / IF CLEAR OR SET COND CODE(S) GOTO CCM=1
      / IF INST=RTS GOTO R1=1
      / IF INST=RTI GOTO R2=1
      / IF INST=WAIT GOTO W=1
      / IF INST=HALT GOTO H=1
      / IF INST=RESET GOTO RST=1
      / IF INST=EMT GOTO ET=1
      / IF INST=BREAKPOINT TRAP GOTO BT=1
      / IF INST=IOT GOTO IT=1
      / IF INST=TRAP GOTO T=1
      / IF RESERVED INST (NONE OF THE ABOVE) GOTO RT=1

```

```

LOC  NXT  * SOURCE MODE 0 (REGISTER), GET SOURCE DATA
          / GET TO S0=1 FROM F=5 VIA BUT IR DECODE IR<1119>=0
201  007  S0=1  B=R[S]; BUT BYTE
          / IF BYTE INST GOTO SBE=1 (MUST BE EVEN BYTE)
007  001  S0=2  R[10]=B; BUT DESTINATION
          / IF IR<5;3> =0 GOTO D0=1
          /           =1     D1=1
          /           =2     D2=1
          /           =3     D3=1
          /           =4     D4=1
          /           =5     D5=1
          /           =6     D6=1
          /           =7     D7=1

```

```

LOC  NXT  * SOURCE MODE 1 (REG; DEFERRED) GET SOURCE DATA
          / GET TO S1=1 FROM F=5 VIA BUT IR DECODE IR<1119>
203  244  S1=1  BA=R[S]; DATI; CKOFF; ALBYT
          / GET TO S1=2 FROM S2=3 VIA GOTO
          /           "      S3=5  "
          /           "      S6=5  "
244  007  S1=2  B=UNIBUS DATA; BUT BYTE; GOTO S0=2
          / IF ODD BYTE GOTO S0=1
          / IF EVEN BYTE GOTO SBE=1
          / IF NOT BYTE FALL THROUGH TO S0=2

```

```

LOC  NXT  * SOURCE MODE 2 (AUTO=INC,) GET SOURCE DATA
          / GET TO S2=1 FROM F=5 VIA BUT IR DECODE IR<1119>=2
205  301  S2=1  BA=R[S]; DATI; ALBYT
301  014  S2=2  B=R[S]+1+BYTE; BAR
          / GET TO S2=3 FROM S4=1 VIA GOTO
014  244  S2=3  R[S]+B; CKOFF; GOTO S1=2

```

```

LOC  NXT  *SOURCE MODE 3 (AUTO=INC DEFERRED) GET SOURCE DATA
          / GET TO S3=1 FROM F=5 VIA BUT IR DECODE IR<1119>=3
207  016  S3=1  BA=R[S]; DATI (MUST BE AN EVEN ADDRESS HERE)
016  017  S3=2  B=R[S]+2

```

```

/ GET TO S3=3 FROM S5=1 VIA GOTO
017 134 S3=3 R[S]+B; CKOFF
/ GET TO S3=4 FROM S7=5 VIA GOTO
134 274 S3=4 B=UNIBUS DATA
274 244 S3=5 BA+B; DAT; CKOFF; GOTO S1=2; ALBYT

```

```

LOC NXT * SOURCE MODE 4 (AUTO=DEC) GET SOURCE DATA
/ GET TO S4=1 FROM F=5 VIA BUT IR DECODE IR<1119>=4
211 014 S4=1 B,RA+RES;+1=BYTE,BAR; DAT; ENABOVER; GOTO S2=3; ALBYT

```

```

LOC NXT * SOURCE MODE 5 (AUTO=DEC DEFERRED) GET SOURCE DATA
/ GET TO S5=1 FROM F=5 VIA BUT IR DECODE IR<1119>=5
213 017 S5=1 B,RA+RES;=2; DAT;(MUST BE AN EVEN ADDRESS HERE); ENABOVER; GOTO S3=3

```

```

LOC NXT * SOURCE MODE 6 (INDEXED) GET SOURCE DATA
/ GET TO S6=1 FROM F=5 VIA BUT IR DECODE IR<1119>=6
215 025 S6=1 BA+PC; DAT;(MUST BE EVEN ADDRESS HERE)
025 026 S6=2 R+PC+2
026 027 S6=3 PC+B; CKOFF
027 030 S6=4 B=UNIBUS DATA
030 244 S6=5 BA+B+RES; DAT; CKOFF; GOTO S1=2; ALBYT

```

```

LOC NXT * SOURCE MODE 7 (INDEXED DEFERRED) GET SOURCE DATA
/ GET TO S7=1 FROM F=5 VIA BUT IR DECODE IR<1119>=7
217 032 S7=1 BA+PC; DAT;(MUST BE AN EVEN ADDRESS HERE)
032 033 S7=2 R+PC+2
033 034 S7=3 PC+B; CKOFF
034 035 S7=4 B=UNIBUS DATA
035 134 S7=5 BA+B+RES; DAT;(MUST BE AN EVEN ADDRESS); CKOFF; GOTO S3=4

```

```

LOC  NXT  * SOURCE BYTE ODD
          / GETE TO SB0=1 FROM S1=2 VIA BUT BYTE (BYTE INST, AND SOURCE DATA ODD ADDR)
067  346  SB0=1 SHIFT B RIGHT; F SHIFT
346  324  SB0=2 SHIFT B RIGHT; F SHIFT
324  340  SB0=3 SHIFT B RIGHT; F SHIFT
340  361  SB0=4 SHIFT B RIGHT; F SHIFT
361  050  SB0=5 SHIFT B RIGHT; F SHIFT
050  020  SB0=6 SHIFT B RIGHT; F SHIFT
020  052  SB0=7 SHIFT B RIGHT; F SHIFT
052  047  SB0=8 SHIFT B RIGHT; GOTO SBE=1

```

```

LOC  NXT  * SOURCE EVEN BYTE
          / GET TO SBE=1 FROM SB0=8 VIA GOTO
          / GET TO SBE=1 FROM S1=2 VIA BUT BYTE, (BYTE INST AND SOURCE DATA EVEN ADDR)
          / GET TO SBE=1 FROM S0=1 VIA BUT BYTE, (BYTE INST,)
047  001  SBE=1 R[10]+3 SEX; BUT DESTINATION
          / IF [K5]3> =0 GOTO D0=1
          / " " =1 " D1=1
          / " " =2 " D2=1
          / " " =3 " D3=1
          / " " =4 " D4=1
          / " " =5 " D5=1
          / " " =6 " D6=1
          / " " =7 " D7=1

```

```

LOC  NXT  * DEST, MODE 0 (REGISTER), GET DEST DATA, OP, AND REPLACE
          / GET TO D0=1 FROM S2=2 VIA BUT DESTINATION (IR<5>3>=0)
          / GET TO D2=1 FROM SBE=1 VIA BUT DESTINATION (IR<5>3>=0)
101  154  D0=1 B[R[0]]; BUT MOVE
          / IF INST=MOVE, BAR (OTHER THAN MOVE) AND BYTE GOTO D02=1
          / IF INST=MOVE AND BYTE GOTO MB=0
          / IF INST=MOVE AND BYTE, BAR GOTO D0=3A
          / IF INST=MOVE, BAR AND BYTE, BAR FALL THROUGH TO D0=2
157  142  D0=2 R[113]+B; BUT UNARY
          / IF INST=JMP OR JSR GOTO ERT=1 (ILLEGAL INST, TRAP)
          / IF INST=SWAB GOTO SB1=1
          / IF INST=OTHER UNARY(CLR, COM, INC, DEC, NEG, ADC, SBC, TST, ROR, ROL, ASR, ASL) GOTO U1=1
          / GET TO D0=3 FROM U1=1 VIA GOTO
          / GET TO D0=3 FROM D0=1 VIA BUT BYTE (INST=MOVE AND BYTE, BAR)

```

162 332 D0=3 B_R[10] OP B; BUT NONMOD
 / THERE EXISTS A D03-A WHICH IS IDENTICAL TO D0-3 EXCEPT LOC=155
 / GET TO D0-3A FROM SBI-R VIA GOTO
 / IF NONMOD GOTO B2-2 (BUT SERVICE)
 / IF NOT NONMOD FALL THROUGH TO D0-4
 / GET TO D0-4 FROM R1-6 VIA GOTO

332 040 D0=4 R[D]_B; BUT SERVICE
 / PRIORITIES ARE LISTED HIGHEST TO LOWEST
 / IF T BIT TRAP GOTO BT-1
 / IF STACK OVERFLOW GOTO SRT1A
 / IF POWERFAIL GOTO PF-1
 / IF BR7 GOTO BG-1
 / IF BR6 GOTO BG-1
 / IF INTERNAL LINE CLOCK GOTO LC-1
 / IF BR5 GOTO BG-1
 / IF BR4 GOTO BG-1
 / IF UART RECEIVE GOTO URTR
 / IF UART TRANSMIT GOTO URTX
 / IF CONSOLE STOP GOTO H-1
 / IF NONE OF THE ABOVE GOTO F-1

LOC NXT * DEST. MODE 1 (REG. DEFERRED) GET DEST DATA, OP, AND REPLACE
 / GET TO D1-1 FROM S0-2 VIA BUT DESTINATION (IR<5:3>=1)
 / GET TO D1-1 FROM SBE-1 VIA BUT DESTINATION (IR<5:3>=1)

103 200 D1=1 B,BA_RID; DATIP; BUT JSRMP; ALBT; CKOFF
 / NOTE DATA IN PAUSE HERE
 / IF INST=JMP GOTO J1-1
 / IF INST=JSR GOTO J2-1
 / IF INST NOT JMP OR JSR FALL THROUGH TO D1-2
 / GET D0 D1-2 FROM D2-3 VIA GOTO
 / GET TO D1-2 FROM D3-5 VIA GOTO
 / GET TO D1-2 FROM D6-5 VIA GOTO

200 210 D1=2 B_UNIBUS DATA; BUT BYTE
 / IF ODD BYTE GOTO D0-1
 / IF EVEN BYTE GO TO DE-1
 / IF NOT BYTE FALL THROUGH TO D1-3

210 143 D1=3 R[11]_B; BUT UNARY
 / IF INST=SWAB GOTO SB2-1
 / IF INST=OTHER UNARY (CLR, COM, INC, DEC, NEG, ADC, SAC, TST, ROR, ROL, ASR, ASL) GOTO U2-1
 / GET TO D1-4 FROM DE-1 VIA BUT UNARY (NON UNARY)
 / GET TO D1-4 FROM U2-1 VIA GOTO
 / GET TO D1-4 FROM SB2-R VIA GOTO

163 334 D1=4 B_R[10] OP B; BUT NONMOD
 / IF NONMOD GOTO B2-2 (BUT SERVICE)
 / IF NOT NONMOD FALL THROUGH TO D1-5

334 065 D1=5 DATO; ALBYT; CKOFF
 / GET TO D1-6 FROM D0-18 VIA GOTO

```

/ IF NONMOD GOTO 02-2 (BUT SERVICE)
/ IF NOT NONMOD FALL THROUGH TO D1-5
334 065 D1-5 DATI; ALBYT; CKOFF
/ GET TO D1-6 FROM D0-18 VIA GOTO
065 305 D1-6 DRIVERS+0; GOTO 02-2 (BUT SERVICE)

```

```

LOC NXT * DEST MODE 2 (AUTO-INC) GET DEST DATA, DP AND REPLACE
/ GET TO D2-1 FROM S0-2 VIA BUT DESTINATION (IR<5:3>=2)
/ GET TO D2-1 FROM SBE-1 VIA BUT DESTINATION (IR<5:3>=2)
105 331 D2-1 BA+R[D]; DATI; ALBYT
/ NOTE DATA IN PAUSE HERE
331 341 D2-2 B+R[D]+1+BYTE, BAR
/ GET TO D2-3 FROM D4-1 VIA GOTO
341 200 D2-3 R[D]+B; BUT JSRMP; GOTO D1-2; CKOFF
/ IF INST=JMP GOTO J1-1
/ IF INST=JSR GOTO J2-1
/ IF INST NOT JMP OR JSR FALL THROUGH TO D1-2

```

```

LOC NXT * DEST MODE 3 (AUTO-INC DEFERRED) GET DEST DATA, DP AND REPLACE
/ GET TO D3-1 FROM S0-2 VIA BUT DESTINATION (IR<5:3>=3)
/ GET TO D3-1 FROM SBE-1 VIA BUT DESTINATION (IR<5:3>=3)
107 160 D3-1 BA+R[D]; DATI
160 070 D3-2 B+R[D]+2
/ GET TO D3-3 FROM D5-1 VIA GOTO
070 071 D3-3 R[D]+B; CKOFF
/ GET TO D3-4 FROM D7-5 VIA GOTO
071 072 D3-4 B+UNIBUS DATA
072 200 D3-5 BA+B; DATI; BUT JSRMP; GOTO D1-2; ALBYT; CKOFF
/ NOTE DATA IN PAUSE HERE
/ IF INST=JMP GOTO J1-1
/ IF INST=JSR GOTO J2-1
/ IF INST NOT JMP OR JSR FALL THROUGH TO D1-2

```

```

LOC NXT * DEST MODE 4 (AUTO-DEC) GET DEST DATA, DP AND REPLACE
/ GET TO S4-1 FROM S0-2 VIA BUT DESTINATION (IR<5:3>=4)
/ GET TO S4-1 FROM SBE-1 VIA BUT DESTINATION (IR<5:3>=4)
111 341 D4-1 B, BA+R[D]-1-BYTE, BAR; DATI; ENABOVER; GOTO D2-3; ALBYT

```

```

LOC  NXT  * BEST MODE 5 (AUTO=DEC DEFERRED) GET DEST DATA, OP, AND REPLACE
          / GET TO D5=1 FROM S0=2 VIA BUT DESTINATION (IR<513>=5)
          / GET TO D5=1 FROM SBE=1 VIA BUT DESTINATION (IR<513>=5)
113  070  D5=1  B,BA+REDJ=2) DATI; ENABOVER; GOTO D3=3

```

```

LOC  NXT  * BEST MODE 6 (INDEXED) GET DTA, OP, AND REPLACE
          / GET TO D6=1 FROM S0=2 VIA BUT DESTINATION (IR<513>=6)
          / GET TO D6=1 FROM SBE=1 VIA BUT DESTINATION (IR<512>=6)
115  075  D6=1  BA=PC; DATI
075  077  D6=2  B=PC+2
077  057  D6=3  PC=B; CKOFF
057  300  D6=4  B=UNIBUS DATA
300  200  D6=5  B,BA=B+REDJ; DATI; BUT JSRMP; GOTO D1=2) ALBYT; CKOFF
          / NOTE DATA IN PUASE HERE
          / IF INST=JMP GOTO J1=1
          / IF INST=JSR GOTO J2=1
          / IF INST NOT JMP OR JSR FALL THROUGH TO D1=2

```

```

LOC  NXT  * BEST MODE 7 (INDEXED DEFERRED) GET DEST DATA, OP, AND REPLACE
          / GET TO D7=1 FROM S0=2 VIA BUT DESTINATION (IR<513>=7)
          / GET TO D7=1 FROM SBE=1 VIA BUT DESTINATION (IR<513>=7)
117  310  D7=1  BA=PC; DATI
310  104  D7=2  B=PC+2
104  320  D7=3  PC=B; CKOFF
320  106  D7=4  B=UNIBUS DATA
106  071  D7=5  BA=B+REDJ; DATI; CKOFF; GOTO D3=4

```

```

LOC  NXT  * DESTINATION MODE 0, BYTE
          / GET TO D00=1 FROM D0=1 VIA BUT BYTE (BYTE INST AND MOVE, BAR)
156  144  D00=1 R[11],B=B SEXI BUT UNARY
          / IF UNARY OTHER THAN JSR, JMP, OR SWAB (CLR, COM, INC, DEC, NEG, ADD, SRC, TST, ROR, ROL, ASR, ASL) GOTO U3=1

```

```

304 040 DB0=3 R(D)<710>_B; BUT SERVICE; GOTO F-1
      / PRIORITIES ARE LISTED HIGHEST TO LOWEST
      / IF T BIT TRAP GOTO BT-1
      / IF STACK OVERFLOW GOTO ERT1A
      / IF POWER FAIL GOTO PF-1
      / IF BR7 GOTO BG-1
      / IF BR6 GOTO BG-1
      / IF INTERNAL LINE CLOCK GOTO LC-1
      / IF BR5 GOTO BG-1
      / IF BR4 GOTO BG-1
      / IF UART RECEIIVE GOTO URTR
      / IF UART TRANSMIT GOTO URTX
      / IF CONSOLE STOP GOTO H-1
      / IF NONE OF THE ABOVE GOTO F-1

```

```

LOC  NXT  * DESTINATION ODD BYTE
      / GET TO DO=1 FROM DI=2 VIA BUT BYTE (BYTE INST AND ODD ADDR)
270  123  DO=1  SHIFT B RIGHT; F SHIFT
123  124  DO=2  SHIFT B RIGHT; F SHIFT
124  125  DO=3  SHIFT B RIGHT; F SHIFT
125  126  DO=4  SHIFT B RIGHT; F SHIFT
126  127  DO=5  SHIFT B RIGHT; F SHIFT
127  130  DO=6  SHIFT B RIGHT; F SHIFT
130  131  DO=7  SHIFT B RIGHT; F SHIFT
131  132  DO=8  SHIFT B RIGHT
132  145  DO=9  R(111),B_B SEX; BUT UNARY
      / IF UNARY OTHER THAN JSR, JMP, OR SWAB (CLR,COM,INC,DEC,NEG,ADC,SHC,TST,ROR,RDL,ASR,ASL) GOTO U4-1
      / IF NOT UNARY FALL THROUGH TO DO=10
165  342  DO=10 R_P(101) OP R; BUT NONMOD
      / IF NONMOD GOTO B2=2 (BUT SERVICE)
      / IF NOT NONMOD FALL THROUGH TO DO=11
342  135  DO=11 SHIFT B LEFT; F SHIFT
135  136  DO=12 SHIFT B LEFT; F SHIFT
136  137  DO=13 SHIFT B LEFT; F SHIFT
137  140  DO=14 SHIFT B LEFT; F SHIFT
140  141  DO=15 SHIFT B LEFT; F SHIFT
141  142  DO=16 SHIFT B LEFT; F SHIFT
142  143  DO=17 SHIFT B LEFT; F SHIFT
143  065  DO=18 SHIFT B LEFT; DATO; CKOFF; GOTO D1-6; ALBYT

```

```

LOC  NXT  * DESTINATION EVEN BYTE
      / GET TO DE=1 FROM DI=2 VIA BUT BYTE (BYTE INST AND EVEN ADDR)

```


250 163 DE=1 R[111]_B SEX; GOTO D1=4; BUT UNARY
 / IF UNARY OTHER THAN JSR, JMP, OR SWAB (CLR, COM, INC, DEC, ADC, SBC, TST, ROR, ASR, ASL) GOTO U5=1
 / IF NOT UNARY FALL THROUGH TO D1=4

LOC NXT * UNARY OPERATORS GET SINGLE OPERAND IN B AND R[101]
 / GET TO U1=1 FROM D0=2 VIA BUT UNARY (INST=CLR, COM, INC, DEC, NEG, ADC, SBC, TST, ROR, ROL, ASR, ASL)
 352 162 U1=1 R[101]_B; PRE AUX; GOTO D0=3
 / GET TO U2=1 FROM D1=3 VIA BUT UNARY (INST=CLR, COM, ... ASL) SEE U1=1
 353 163 U2=1 R[101]_B; PRE AUX; GOTO D1=4
 / GET TO U3=1 FROM D0=1 VIA BUT UNARY (INST=CLR, COM, ... ASL) SEE U1=1
 354 164 U3=1 R[101]_B; PRE AUX; GOTO D0=2
 / GET TO U4=1 FROM D0=9 VIA BUT UNARY (INST=CLR, COM, ... ASL) SEE U1=1
 355 165 U4=1 R[101]_B; PRE AUX; GOTO D0=10
 / GET TO U5=1 FROM DE=1 VIA BUT UNARY (INST=CLR, COM, ... ASL) SEE U1=1
 373 163 U5=1 R[101]_B; PRE AUX; GOTO D1=4

LOC NXT * MOVH INST
 / GET TO MB=0 FROM D0=1 VIA BUT MOVE (INST=MOVE AND BYTE)
 154 240 MB=0 PRE AUX
 240 152 MB=1 B_R[101] OP B
 152 040 MB=2 R[D1]_B SEX; BUT SERVICE
 / PRIORITIES ARE LISTED HIGHEST TO LOWEST
 / IF I BIT TRAP GOTO BT=1
 / IF STACK OVERFLOW GOTO ERT1A
 / IF POWER FAIL GOTO PF=1
 / IF BR7 GOTO BG=1
 / IF BR6 GOTO BG=1
 / IF INTERNAL LINE CLOCK GOTO IC=1
 / IF BR5 GOTO BG=1
 / IF BG4 GOTO BG=1
 / IF UART RECEIVE GOTO URTR
 / IF UART TRANSMIT GOTO URTX
 / IF CONSOLE STOP GOTO H=1
 / IF NONE OF THE ABOVE GOTO F=1

LOC NXT * BRANCH, CHANGE PC
 015 147 B=1 SHIFT B LEFT

```

/ IF BR7 GOTO BG=1
/ IF BR6 GOTO BG=1
/ IF INTERNAL LINE CLOCK GOTO LC=1
/ IF BR5 GOTO BG=1
/ IF BG4 GOTO BG=1
/ IF UART RECEIVE GOTO URTR
/ IF UART TRANSMIT GOTO URTX
/ IF CONSOLE STOP GOTO H=1
/ IF NONE OF THE ABOVE GOTO F=1

```

```

LOC NXT * BRANCH, CHANGE PC
015 147 B=1  SHIFT B LEFT
147 146 B=2  B=PC+B
146 040 B=3  PC=B; BUT SERVICE
/ PRIORITIES ARE LISTED HIGHEST TO LOWEST
/ IF T BIT TRAP GOTO BT=1
/ IF STACK OVERFLOW GOTO ERT1A
/ IF POWER FAIL GOTO PF=1
/ IF BR7 GOTO BG=1
/ IF BR6 GOTO BG=1
/ IF INTERNAL LINE CLOCK GOT LC=1
/ IF BR5 GOTO BG=1
/ IF BR4 GOTO BG=1
/ IF UART RECEIVE GOTO URTR
/ IF UART TRANSMIT GOTO URTX
/ IF CONSOLE STOP GOTO H=1
/ IF NONE OF THE ABOVE GOTO F=1

```

```

LOC NXT * CONDITION CODE MASK (FOR BOTH SET AND CLEAR)
151 350 CCM=1 R=B AND K[17]
350 112 CCM=2 BUT DEST
/ IF INST= SET, GO TO SC=1
/ IF INST= CLEAR, GOTO CC=1

```

```

LOC NXT * CLEAR CONDITION CODES
112 040 CC=1 PSW=PSW AND (B, BAR), BUT SERVICE
/ THIS EFFECTIVELY CLEARS THOSE BITS OF THE PSW WHICH ARE SET

```

```

LOC  NXT  * SET CONDITION CODES
116  040  SC-1  PSW_PSW OR B; BUT SERVICE
        / PRIORITIES ARE LISTED HIGHEST TO LOWEST
        / IF I BIT TRAP GOTO BT-1
        / IF STACK OVERFLOW GOTO ERT1A
        / IF POWER FAIL GOTO PF-1
        / IF BR7 GOTO BG-1
        / IF BR6 GOTO BG-1
        / IF INTERNAL LINE CLOCK GOTO LC-1
        / IF BR5 GOTO BG-1
        / IF BR4 GOTO BG-1
        / IF UART RECEIVE GOTO URTR
        / IF UART TRANSMIT GOTO URTX
        / IF CONSOLE STOP GOTO H-1
        / IF NONE OF THE ABOVE GOTO F-1

```

```

LOC  NXT  * SWAB, MODE 0
        / GET TO SB1-1 FROM D0-2 VIA BUT UNARY (INST=SWAB AND MODE=0)
        / ROTATE LEFT ACCOMPLISHED VIA ASR
146  172  SB1-1 ROTATE B LEFT; F SHIFT
172  173  SB1-2 ROTATE B LEFT; F SHIFT
173  174  SB1-3 ROTATE B LEFT; F SHIFT
174  144  SB1-4 ROTATE B LEFT; F SHIFT
144  176  SB1-5 ROTATE B LEFT; F SHIFT
176  177  SB1-6 ROTATE B LEFT; F SHIFT
177  006  SB1-7 ROTATE B LEFT; F SHIFT
006  155  SB1-8 ROTATE B LEFT; PRE AUX; GOTO D0-3A

```

```

LOC  NXT  * SWAB, NOT MODE 0
        / GET TO SB2-1 FROM D1-3 VIA BUT UNARY (INST=SWAB)
        / ROTATE LEFT ACCOMPLISHED VIA ASR
167  012  SB2-1 ROTATE B LEFT; F SHIFT
012  220  SB2-2 ROTATE B LEFT; F SHIFT
220  022  SB2-3 ROTATE B LEFT; F SHIFT
022  023  SB2-4 ROTATE B LEFT; F SHIFT
023  024  SB2-5 ROTATE B LEFT; F SHIFT
024  031  SB2-6 ROTATE B LEFT; F SHIFT
031  330  SB2-7 ROTATE B LEFT; F SHIFT
330  163  SB2-8 ROTATE B LEFT; PRE AUX; GOTO D1-4

```

```

LOC  NXT  * JMP
          / GET TO J1-1 FROM D1-1 VIA BUT JSRMP (INST=JMP)
          / GET TO J1-1 FROM D2-3 VIA BUT JSRMP (INST=JMP)
          / GET TO J1-1 FROM D3-5 VIA BUT JSRMP (INST=JMP)
          / GET TO J1-1 FROM D6-5 VIA BUT JSRMP (INST=JMP)
204  260  J1-1  NOP
          / J1-1 MUST BE A NOP BECAUSE FOLLOWING A CKOFF, THE AMX WILL
          / BE FORCED TO TAKE DATA FROM THE UNIBUS.
260  040  J1-2  PC_B; BUT SERVICE
          / PRIORITIES ARE LISTED HIGHEST TO LOWEST
          / IF T BIT TRAP GOTO BT-1
          / IF STACK OVERFLOW GOTO ERT1A
          / IF POWER FAIL GOTO PF-1
          / IF BR7 GOTO BG-1
          / IF BR6 GOTO BG-1
          / IF INTERNAL LINE CLOCK GOTO LC-1
          / IF BR5 GOTO BG-1
          / IF BR4 GOTO BG-1
          / IF UART RECEIVE GOTO URTR
          / IF UART TRANSMIT GOTO URTX
          / IF CONSOLE STOP GOTO H-1
          / IF NONE OF THE ABOVE GOTO F-1

LOC  NXT  * JSR
          / GET TO J2-1 FROM D1-1 VIA BUT JSRMP (INST=JSR)
          / GET TO J2-1 FROM D2-3 VIA BUT JSRMP (INST=JSR)
          / GET TO J2-1 FROM D3-5 VIA BUT JSRMP (INST=JSR)
          / GET TO J2-1 FROM D6-5 VIA BUT JSRMP (INST=JSR)
212  261  J2-1  NOP
          / J2-1 MUST BE A NOP BECAUSE FOLLOWING A CKOFF, THE AMX WILL BE
          / FORCED TO TAKE DATA FROM THE UNIBUS.
261  262  J2-1A R(11)_H
262  214  J2-2  R,BA_R161-2; ENABOVER
214  206  J2-3  R(6)_B; CKOFF; DATA
206  216  J2-4  DRIVERS_R(S)
216  263  J2-5  B_PC
263  264  J2-6  R(S)_B
264  265  J2-7  B_R(11)
265  040  J2-8  PC_B; BUT SERVICE
          / PRIORITIES ARE LISTED HIGHEST TO LOWEST
          / IF T BIT TRAP GOTO BT-1

```

```

LOC  NXT  * JSR
        / GET TO J2=1 FROM D1=1 VIA BUT JSRMP (INST=JSR)
        / GET TO J2=1 FROM D2=3 VIA BUT JSRMP (INST=JSR)
        / GET TO J2=1 FROM D3=5 VIA BUT JSRMP (INST=JSR)
        / GET TO J2=1 FROM D6=* VIA BUT JSRMP (INST=JSR)
212  261  J2=1  NOP
        / J2=1 MUST BE A NOP BECAUSE FOLLOWING A CKOFF, THE AMX WILL BE
        / FORCED TO TAKE DATA FROM THE UNIBUS,
261  262  J2=1A R[11]*B
262  214  J2=2  B[BA+R[6]]*2; ENABOVER
214  206  J2=3  R[6]*B; CKOFF; DATO
206  216  J2=4  DRIVERS+R[S]
216  263  J2=5  B+PC
263  264  J2=6  R[S]*B
264  265  J2=7  B+R[11]
265  040  J2=8  PC*B; BUT SERVICE
        / PRIORITIES ARE LISTED HIGHEST TO LOWEST
        / IF T BIT TRAP GOTO BT=1
        / IF STACK OVERFLOW GOT ERT1A
        / IF POWER FAIL GOTO PF=1
        / IF BR7 GOTO BG=1
        / IF BR6 GOTO BG=1
        / IF INTERNAL LINE CLOCK GOTO LC=1
        / IF BR5 GOTO BG=1
        / IF BR4 GOTO BG=1
        / IF UART RECEIVE GOTO URTR
        / IF UART TRANSMIT GOTO URTX
        / IF CONSOLE STOP GOTO H=1
        / IF NONE OF THE ABOVE GOTO F=1

```

```

LOC  NXT  * RTS
        / GET TO R1=1 FROM F=5 VIA BUT IR DECODE (INST=RTS)
005  221  R1=1  BA+R[6]; DATI
221  222  R1=2  B+R[6]*2
222  223  R1=3  R[6]*B
223  224  R1=4  B+R[0]
224  225  R1=5  PC*B; CKOFF
225  332  R1=6  B*UNIBUS DATA; GOTO D0=4

```

```

LOC  NXT  * RTI
        / GET TO R2=2 FROM F=5 VIA BUT IR DECODE (INST=RTI)
227  230  R2=1  BA+R[6]; DATI
230  231  R2=2  B+R[6]*2

```

```

231 232 R2=3 R[6]=B] CKOFF
232 234 R2=4 PC=UNIBUS DATA
      / THERE IS NO R2=5 (ANY MORE)
234 235 R2=6 BA=R[6]; DATI
235 236 R2=7 B=R[6]+2
236 237 R2=8 R[6]=B] CKOFF
237 305 R2=9 PS=UNIBUS DATA] GOTO B2=2 (BUT SERVICE)

```

```

LOC  NXT  * WAIT
      / GET TO W=1 FROM P=5 VIA BUT IR DECODE (INST=WAIT)
      / GET TO W=1 FROM W=1 VIA GOTO IF BUT SERVICE IS FALSE
063  040  W=1  BUT SERVICE
      / THE MICRO PROGRAM WILL LOOP ON W=1 UNTIL SOME HIGHER
      / PRIORITY CONDITION IS RECOGNIZED BY THE 'BUT SERVICE' ROM SEE P101 ON
      / THE CONE PRINT;
      / PRIORITIES ARE LISTED HIGHEST TO LOWEST
      / IF T BIT TRAP GOTO BT=1
      / IF STACK OVERFLOW GOTO ERY1A
      / IF POWER FAIL GOT PF=1
      / IF BR7 GOTO BG=1
      / IF BR6 GOTO BG=1
      / IF INTERNAL LINE CLOCK GOTO LC=1
      / IF BR5 GOTO BG=1
      / IF BR4 GOTO BG=1
      / IF UART RECEIVE URTR
      / IF UART TRANSMIT TOTO URTX
      / IF CONSOLE STOP GOTO H=1
      / IF NONE OF THE ABOVE TOTO F=1

```

```

LOC  NXT  * HALT
      / GET TO H=1 FROM F=5 VIA BUT IR DECODE (INST=HALT)
      / GET TO H=1 FROM BUT SERVICE
041  302  H=1  B=PC
      / DISPLAY PC IN LIGHTS BY PUTTING IT INTO B
      / GET TO H=2 FROM CE1=3 VIA GOTO
      / GET TO H=2 FROM CD1=5 VIA GOTO
      / GET TO H=2 FROM CL=3 VIA GOTO
302  300  H=2  BA=R[17]; BUT SWITCH
      / THE BA IS LOADED HERE SO THAT THE ADDRESS WILL BE INCREMENTED BY +1 WHEN EXAMINING (DEPOSITING INT
      / AND BY +2 WHEN EXAMINING (DEPOSITING INTO) SUCCESSIVE CORE MEMORY,
      / IF START DEPRESSED GOTO CS=1
      / IF CONTINUE DEPRESSED GOTO CCS=1

```

```

/ IF EXAMINE (1 ST) GOTO CE1=1
/ IF EXAMINE (NOT 1 ST) GOTO CE2=1
/ IF DEPOSIT (1 ST) GOTO CD1=1
/ IF DEPOSIT (NOT 1 ST) GOT CD2=1
/ IF LOAD GOTO CL=1
/ IF NO SWITCHES ARE DEPRESSED LOOP ON M=2

```

```

LOC NXT * EMT TRAP (VECTOR LOC=33)
/ GET TO ET=1 FROM F=5 VIA BUT IR DECODE (INST=EMT)
011 245 ET=1 B=K[33]
/ GET TO ET=2 FROM BT=1 VIA GOTO
/ GET TO ET=2 FROM IT=1 VIA GOTO
/ GET TO ET=2 FROM T=1 VIA GOTO
/ GET TO ET=1 FROM RT=1 VIA GOTO
/ GET TO ET=2 FROM ERT=1 VIA GOTO
/ GET TO ET=2 FROM PF=1 VIA GOTO
245 246 ET=2 R[12]=B
246 247 ET=3 R,BA=R[6]+2) ENAROVER
/ ET=4 HAS BEEN ELIMINATED
247 226 ET=5 R[6]=B) CKOFF) DATA
226 251 ET=6 DIRVERS=PS
251 252 ET=7 R,BA=R[6]+2) ENAROVER
252 253 ET=8 R[6]=B) CKOFF) DATA
253 254 ET=9 DIRVERS=PC
254 255 ET=10 RA=R[12]) DATA) CKOFF
255 256 ET=11 PC=UN[BUS DATA
256 257 ET=12 RA=R[12]+2) DATA) CKOFF
257 325 ET=13 PS=UN[BUS DATA] GOTO B2=2 (SERVICE)

```

```

LOC NXT * BREAKPOINT TRAP (VECTOR LOC=14) AND * RIT TRACE TRAP
/ GET TO BT=1 FROM ALL BUT SERVICE
/ GET TO BT=1 FROM F=5 VIA BUT IR DECODE (INST=BREAKPOINT)
045 245 BT=1 B=K[143] GOTO ET=2

```

```

LOC NXT * IOT (VECTOR LOC=20)
/ GET TO IT=1 FROM F=5 VIA BUT IR DECODE (INST=IOT)
273 245 IT=1 B=K[203] GOTO ET=2

```

LOC NXT * TRAP (VECTOR LOC=34)
/ GET TO T=1 FROM F=5 VIA BUT IR DECODE (INST=TRAP)
#21 245 T=1 R=R[34]; GOTO ET=2

LOC NXT * RESERVED INST TRAP (VECTOR LOC=10)
/ GET TO RT=1 FROM F=5 VIA BUT IR DECODE (INST=NON VALID)
#01 245 RT=1 R=R[10]; GOTO ET=2

LOC NXT * ERROR TRAP (BUS ERROR, STACK OVERFLOW, ILLEGAL INST) VECTOR LOC=4
/ THERE EXISTS ERT=1 (LOC=10) FOR BUS ERROR
/ THERE ALSO EXISTS ERT1A (LOC=46) FOR STACK OVERFLOW
/ ERT1A GOES TO ET2=2, A SEQUENCE WHICH DOESN'T HAVE THE
/ ENABOVER, WE DON'T WANT TO LOOK FOR STACK OVERFLOW WHILE
/ DOING THE STACK OVERFLOW TRAP; THE ET2=2 SEQUENCE REJOINS THE ET SEQUENCE AT ET=8
/ THERE ALSO EXISTS ERT1B (LOC=153) FOR ILLEGAL INST (JSP OR JMP, MODE 0)
#10 245 ERT=1 R=R[4]; GOTO ET=2

LOC NXT * CONSOLE START SWITCH
/ GET TO CS=1 FOLLOWING RELEASE OF START SWITCH,
100 322 CS=1 IR=ZERO
/ CLOCKING THE IR TURNS ON THE RUN LIGHT
322 321 CS=2 BA;B=R[17]
321 040 CS=3 PC=0; BUT SERVICE
/ PRIORITIES ARE LISTED HIGHEST TO LOWEST
/ IF T BIT BRAP GOTO BT=1
/ IF STACK OVERFLOW GOTO ERT1A
/ IF POWER FAIL GOTO PF=1
/ IF BR7 GOTO BG=1
/ IF BR6 GOTO BG=1
/ IF INTERNAL LINE CLOCK GOTO LC=1
/ IF BR5 GOTO BG=1

/ IF BR4 GOTO BG=1
/ IF UARY RECEIVE GOTO URTR
/ IF UARY TRANSMIT GOTO URTX
/ IF CONSOLE STOP GOTO H=1
/ IF NONE OF THE ABOVE GOTO P=1

LOC NXT * CONSOLE EXAMINE SWITCH = FIRST TIME IN SEQUENCE (DON'T INC R[17])
/ GET TO CE1=1 FROM H=2 VIA BUT SWITCH
/ GET TO CE1=1 FROM CE2=2 VIA GOTO
317 307 CE1=1 BA,B=R[17]; BUT SWITCH
/ DISPLAY ADDRESS BY PUTTING INTO THE B REGISTER WHILE EXAMINE IS DOWN
/ LOOP ON CE1=1 UNTIL SWITCH IS RELEASED
307 326 CE1=2 DAT;; CKOFF
326 302 CE1=3 R=UNIBUS DATA; GOTO H=2

LOC NXT * CONSOLE EXAMINE SWITCH = OTHER THAN FIRST IN SEQUENCE (INC R[17])
/ GET TO CE2=1 FROM H=2 VIA BUT SWITCH
315 371 CE2=1 B=R[17]+2
/ R[17] IS IN BA FROM H=2, THIS WILL CAUSE +2 TO BECOME +1 WHEN EXAMINING REGISTERS,
371 317 CE2=2 R[17]+B; GOTO CE1=1

LOC NXT * CONSOLE DEPOSIT SWITCH = FIRST TIME IN SEQUENCE (DON'T INC R[17])
/ GET TO CD1=1 FROM H=2 VIA BUT SWITCH
/ GET TO CD1=1 FROM CD2=2 VIA GOTO
313 303 CD1=1 B=R[17]; BUT SWITCH
/ LOOP ON CD1=1 UNTIL DEPOSIT SWITCH IS RELEASED
303 374 CD1=2 BA=K[207],BAR; DAT;; CKOFF
/ COMPLEMENT OF 207 = 177970 = SWITCH REGISTER ADDRESS
374 314 CD1=3 B=UNIBUS DATA
314 372 CD1=4 BA=R[17]; DAT;; CKOFF
372 302 CD1=5 DRIVERS=B; GOTO H=2

LOC NXT * CONSOLE DEPOSIT SWITCH = OTHER THAN FIRST IN SEQUENCE (INC R[17])
 / GET TO CD2=1 FROM H=3) VIA BUT SWITCH
 312 337 CD2=1 R=R[17]+2
 / R[17] IS IN BA; THIS WILL CAUSE +2 TO BECOME +1 WHEN DEPOSITING INTO REGISTERS
 337 313 CD2=2 R[17]+8; GOTO CD1=1

LOC NXT * CONSOLE CONTINUE SWITCH
 / GET TO CCS=1 FROM H=2 VIA BUT SWITCH
 316 276 CCS=1 R=PC
 276 270 CCS=2 BUT SWITCH
 272 262 CCS=3 IR=ZERO; GOTO F=1
 / CLOCKING THE IR TURNS ON THE RUN LIGHT

LOC NXT * CONSOLE LOAD SWITCH
 / GET TO CL=1 FROM H=2 VIA BUT SWITCH
 311 375 CL=1 RA=K[207],BAPI DATI; CKOFF
 / COMPLEMENT OF 207 = 177570 = SWITCH REGISTER ADDRESS
 375 367 CL=2 R=UNIBUS DATA
 367 302 CL=3 R[17]+8; GOTO H=2
 / CL=3 GOES TO H=2 VIA GOTO, IF LOAD IS STILL DEPRESSED, THE BUT
 / SWITCH IN H=2 WILL TAKE US BACK TO CL=1. THUS, AS LONG AS LOAD IS
 / DEPRESSED, CHANGES IN THE SWITCHES WILL SHOW UP IN THE R REG (LIGHTS) AND IN R[17].

LOC NXT * POWER FAIL (VECTOR LOC=24)
 / GET TO PF=1 FROM SERVICE
 243 245 PF=1 R=K[24]; GOTO ET=2

LOC NXT * RESTART FROM POWER FAIL (VECTOR LOC=24)
 / GET TO RS=1 MYSTERIOUSLY AS POWER COMES UP (NXT CHIPS, F092 AND F103 SHOWN ON THE CONF PRINT,
 / ARE DISABLED FORCING THE MICROPROGRAM TO RS=1 IN LOC 2;
 200 241 RS=1 RA=K[24]; DATI
 241 347 RS=1A CKOFF

```

/ MUST DO CKOFF IN RS=1A BECAUSE OF CONFLICT BETWEEN
/ CKOFF AND INIT CREATED BY CKOFF ASSOCIATED WITH AUX CONTROL
347 074 RS=2 PC=UNIBUS DATA
074 351 RS=3 RA=R[24]+2; DAT11 CKOFF
351 305 RS=4 PS=UNIBUS DATA; GOTO B2=2 (SERVICE)

```

```

LOC NXT * INTERRUPT SERVICING
/ GET TO INT=1 FROM BG=2 VIA BUT INT (TRUE)
325 246 INT=1 R[12]=UNIBUS DATA; SET SLAVESYNC; GOTO ET=3

```

```

LOC NXT * BUS GRANT SERVICE
/ GET TO BG=1 FROM BUT SERVICE
040 305 BG=1 BUT INTERRUPT; GOTO B2=2 (BUT SERVICE)
/ IF INTERRUPT GOTO INT=1
/ IF NO INTERRUPT FALL THROUGH TO B2=2

```

```

LOC NXT * NOP - BRANCH CONDITION NOT TRUE (PC UNCHANGED)
/ B2=1 HAS BEEN ELIMINATED BECAUSE NEWI IS NO LONGER
/ GET TO B2=2A FROM D0=3 VIA BUT NONMOD (TRUE)
/ GET TO B2=2B FROM D1=4 VIA BUT NONMOD (TRUE)
/ GET TO B2=2C FROM D0=10 VIA BUT NONMOD (TRUE)
/ GET TO B2=2D FROM F=5 VIA BUT IR DECODE, BRANCH INST, CONDITION NOT TRUE
/ GET TO B2=2 FROM RST=1 VIA GOTO
/ GET TO B2=2 FROM D0=4 VIA GOTO
/ GET TO B2=2 FROM DB0=2 VIA BUT NONMOD (TRUE)
/ GET TO B2=2 FROM MB=2 VIA GOTO
/ GET TO B2=2 FROM CC=1 VIA GOTO
/ GET TO B2=2 FROM SC=1 VIA GOTO
/ GET TO B2=2 FROM J2=8 VIA GOTO
/ GET TO B2=2 FROM RS=10 VIA GOTO
/ GET TO B2=2 FROM ET=13 VIA GOTO
305 040 B2=2 BUT SERVICE
/ PRIORITIES ARE LISTED HIGHEST TO LOWEST
/ IF T BIT TRAP GOTO BT=1
/ IF STACK OVERFLOW GOTO ERT1A
/ IF POWER FAIL GOTO PF=1
/ IF BR7 GOTO BG=1

```

```
/ IF BR6 GOTO BG=1  
/ IF INTERNAL LINE CLOCK GOTO LC=1  
/ IF BR5 GOTO BG=1  
/ IF BR4 GOTO BG=1  
/ IF UART RECEIVE GOTO URTR  
/ IF UART TRANSMIT GOTO URTX  
/ IF CONSOLE STOP GOTO H=1  
/ IF NONE OF THE ABOVE GOTO F=1
```

```
LOC NXT * RESET  
357 305 / GET TO RST=1 FROM F=5 VIA BUT IR DECODE (INST=RESET)  
RST=1 BUT INIT) CKOFF) GOTO RZ=2 (BUT SERVICE)
```

```
LOC NXT * DOUBLE BUS ERROR, GOTO HALT  
110 041 DBE=1 NOP) GOTO H=1
```

```
LOC NXT * UART XMIT (VECTOR LOC 64)  
260 245 URTX R=K[64]; GOTO ET=2
```

```
LOC NXT * UART RECEIVE (VECTOR LOC 62)  
064 245 URTR B=K[60]; GOTO ET=2
```

```
LOC NXT * LINE CLOCK (VECTOR LOC 100)  
042 245 LC=1 R=K[100]; GOTO ET=2
```

ERT1A NOT EXPLICITLY SHOWN IN FLOW
D2-3A NOT EXPLICITLY SHOWN IN FLOW
A145 NOT EXPLICITLY SHOWN IN FLOW
ET2-2 NOT EXPLICITLY SHOWN IN FLOW
ET2-3 NOT EXPLICITLY SHOWN IN FLOW
ET2-5 NOT EXPLICITLY SHOWN IN FLOW
ET2-6 NOT EXPLICITLY SHOWN IN FLOW
ET2-7 NOT EXPLICITLY SHOWN IN FLOW
ERT1B NOT EXPLICITLY SHOWN IN FLOW
R2-2A NOT EXPLICITLY SHOWN IN FLOW
R2-2B NOT EXPLICITLY SHOWN IN FLOW
R2-2C NOT EXPLICITLY SHOWN IN FLOW
R2-2D NOT EXPLICITLY SHOWN IN FLOW

NAME	LOC	ABT	ALG	ALU	AUX	BAR	BLG	BRG	BUT	CON	CKD	CRI	FSH	PSW	SAM	SPA	SPE	TNS	NXT
A145	145	YES	PSW	AA	ON	L	+1	H	MOV	NON	DN	OFF	OFF	L	ROM	R0	WRI	ZRO	
B-1	015	NO	SP	ASL	OFF	H	BRG	SL	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	H-2
B-2	147	NO	SP	A+R	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	NON	B-3
B-3	146	NO	SP	RL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R7	WRI	NON	BG-1
B2-2	305	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1
B2-2A	333	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1
B2-2B	335	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1
B2-2C	343	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1
B2-2D	013	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1
BG-1	040	NO	SP	AL	OFF	H	BRG	H	TNT	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	B2-2
BT-1	045	NO	NUL	AL	OFF	H	BRG	L	CON	14	OFF	OFF	OFF	H	ROM	R0	WRI	NON	BT-2
CC-1	112	NO	PSW	ABBAR	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	L	ROM	R0	REA	NON	BG-1
CCM-1	151	NO	NUL	AANDB	OFF	H	BRG	L	CON	360	OFF	OFF	OFF	H	ROM	R0	WRI	NON	CCM-2
CCM-2	350	NO	SP	AL	OFF	H	BRG	H	DST	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	CC-1
CCS-1	316	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	NON	CCS-2
CCS-2	276	NO	SP	AL	OFF	H	BRG	H	SW	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	DO-1
CCS-3	272	NO	SP	ZERO	OFF	H	BRG	H	TRC	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	F-1
CD1-1	313	NO	SP	AL	OFF	H	BRG	L	SW	NON	OFF	OFF	OFF	H	ROM	R17	REA	NON	CD1-2
CD1-2	303	NO	NUL	ABAR	OFF	L	BRG	H	CON	207	ON	OFF	OFF	H	ROM	R0	WRI	I	CD1-3
CD1-3	374	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	CD1-4
CD1-4	314	NO	SP	AL	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R17	REA	O	CD1-5
CD1-5	372	NO	SP	RL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	H-2
CD2-1	312	NO	SP	A+R	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R17	REA	NON	CD2-2
CD2-2	337	NO	SP	RL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R17	WRI	NON	CD1-1
CE1-1	317	NO	SP	AL	OFF	L	BRG	L	SW	NON	OFF	OFF	OFF	H	ROM	R17	REA	NON	CE1-2
CE1-2	307	NO	SP	AL	OFF	H	BRG	H	NON	NON	DN	OFF	OFF	H	ROM	R0	REA	I	CE1-3
CE1-3	326	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	H-2
CE2-1	315	NO	SP	A+R	OFF	L	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R17	REA	NON	CE2-2
CE2-2	371	NO	SP	RL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R17	WRI	NON	CE1-1
CL-1	311	NO	NUL	ABAR	OFF	L	BRG	H	CON	207	ON	OFF	OFF	H	ROM	R0	WRI	I	CL-2
CL-2	375	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	CL-3
CL-3	367	NO	SP	RL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R17	WRI	NON	H-2
CS-1	100	NO	SP	ZERO	OFF	H	BRG	H	TRC	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	CS-2
CS-2	322	NO	SP	AL	OFF	L	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R17	REA	NON	CS-3
CS-3	321	NO	SP	BL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R7	WRI	NON	BG-1
DO-1	101	NO	SP	AL	OFF	H	BRG	L	MOV	NON	OFF	OFF	OFF	H	TRD	R0	REA	NON	MB-0
DO-2	157	NO	SP	RL	OFF	H	BRG	H	UNY	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	DO-17
DO-3	162	NO	SP	ABAR	OFF	H	BRG	L	NMD	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	DO-4
DO-3A	155	NO	SP	ABAR	OFF	H	BRG	L	NMD	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	DO-4
DO-4	332	NO	SP	RL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	TRD	R0	WRI	NON	BG-1
D1-1	103	YES	SP	AL	OFF	L	BRG	L	JOT	NON	DN	OFF	OFF	H	TRD	R0	REA	IP	D1-2
D1-2	200	NO	NUL	AL	OFF	H	BRG	L	BYT	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	D1-3
D1-3	210	NO	SP	RL	OFF	H	BRG	H	UNY	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	DO-18
D1-4	163	NO	SP	ABAR	OFF	H	BRG	L	NMD	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	D1-5

DIGITAL EQUIPMENT CORPORATION

NAME	LOC	ABT	ALG	ALU	AUX	BAR	HLG	BRG	BUT	CON	CKO	CRI	FSH	PSW	SAM	SPA	SPF	TNS	NXT
D1-5	334	YES	SP	AL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R0	REA	0	D1-6
D1-6	065	NO	SP	RL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	D2-2
D2-1	105	YES	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	TRD	R0	REA	TP	D2-2
D2-2	331	NO	SP	A+R	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	TRD	R0	REA	NON	D2-3
D2-3	341	NO	SP	BL	OFF	H	BRG	H	JOJ	NON	ON	OFF	OFF	H	TRD	R0	WRI	NON	D1-2
D3-1	107	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	TRD	R0	REA	I	D3-2
D3-2	160	NO	SP	A+R	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	TRD	R0	REA	NON	D3-3
D3-3	070	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	TRD	R0	WRI	NON	D3-4
D3-4	071	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	D3-5
D3-5	072	YES	SP	RL	OFF	L	BRG	H	JOJ	NON	ON	OFF	OFF	H	ROM	R0	REA	TP	D1-2
D4-1	111	YES	SP	A=B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	TRD	R0	REA	TP	D2-3
D5-1	113	NO	SP	A=B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	TRD	R0	REA	I	D3-3
D6-1	115	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	I	D6-2
D6-2	075	NO	SP	A+R	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R7	REA	NON	D6-3
D6-3	077	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	D6-4
D6-4	057	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	D6-5
D6-5	300	YES	SP	A+B	OFF	L	BRG	L	JOJ	NON	ON	OFF	OFF	H	TRD	R0	REA	TP	D1-2
D7-1	117	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	I	D7-2
D7-2	310	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R7	REA	NON	D7-3
D7-3	104	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	D7-4
D7-4	320	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	D7-5
D7-5	106	NO	SP	A+B	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	TRD	R0	REA	I	D3-4
DB0-1	156	NO	SP	RL	OFF	H	SEX	L	UNY	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	SB1-5
DB0-2	164	NO	SP	ABAR	OFF	H	BRG	L	NMD	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	DB0-3
DB0-3	304	NO	SPR	RL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	TRD	R0	WRI	NON	BG-1
DBE-1	110	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	H-1
DE-1	250	NO	SP	RL	OFF	H	SEX	L	UNY	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	D1-4
DO-1	270	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-2
DO-10	165	NO	SP	ABAR	OFF	H	BRG	L	NMD	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	DO-11
DO-11	342	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-12
DO-12	135	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-13
DO-13	136	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-14
DO-14	137	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-15
DO-15	140	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-16
DO-16	141	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-17
DO-17	142	NO	SP	AL	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-18
DO-18	143	YES	SP	AL	OFF	H	BRG	SL	NON	NON	ON	OFF	OFF	H	ROM	R0	REA	0	D1-6
DO-2	123	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-3
DO-3	124	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-4
DO-4	125	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-5
DO-5	126	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-6
DO-6	127	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-7
DO-7	130	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	DO-8
DO-8	131	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	DO-9

Digital Equipment Corporation

NAME	LOC	ABT	ALG	ALU	AUX	BAR	BLG	BRG	RUT	CON	CKO	CRI	FSH	PSW	SAM	SPA	SPF	TNS	NXT
DO-9	132	NO	SP	BL	OFF	H	SEX	L	UNY	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	A145
ERT-1	010	NO	NUL	AL	OFF	H	BRG	L	CON	4	OFF	OFF	OFF	H	ROM	R0	WRT	NON	ET-2
ERT1A	046	NO	NUL	AL	OFF	H	BRG	L	CON	4	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET2-2
ERT1B	153	NO	NUL	AL	OFF	H	BRG	L	CON	4	OFF	OFF	OFF	H	ROM	R0	WRT	NON	ET-2
ET-1	011	NO	NUL	AL	OFF	H	BRG	L	CON	30	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET-2
ET-10	254	NO	SP	AL	OFF	L	BRG	H	TRC	NON	ON	OFF	OFF	H	ROM	R12	REA	T	ET-11
ET-11	255	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R7	WRT	NON	ET-12
ET-12	256	NO	SP	A+B	OFF	L	+1	L	NON	NON	ON	ON	OFF	H	ROM	R12	REA	T	ET-13
ET-13	257	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	L	ROM	R0	REA	NON	R2-2
ET-2	245	NO	SP	BL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R12	WRI	NON	ET-3
ET-3	246	NO	SP	A-B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	ROM	R6	REA	NON	ET-5
ET-5	247	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	0	ET-6
ET-6	226	NO	PSW	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	ET-7
ET-7	251	NO	SP	A-B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	ROM	R6	REA	NON	ET-8
ET-8	252	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	0	ET-9
ET-9	253	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	NON	ET-10
ET2-2	003	NO	SP	BL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R12	WRI	NON	ET2-3
ET2-3	004	NO	SP	A-B-1	OFF	L	+1	L	NON	NON	OFF	OFF	OFF	H	ROM	R6	REA	NON	ET2-5
ET2-5	036	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	0	ET2-6
ET2-6	037	NO	PSW	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	ET2-7
ET2-7	051	NO	SP	A-B-1	OFF	L	+1	L	NON	NON	OFF	OFF	OFF	H	ROM	R6	REA	NON	ET-8
F-1	062	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	T	F-2
F-2	053	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R7	REA	NON	F-3
F-3	165	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	F-4
F-4	164	NO	NUL	AL	OFF	H	BRG	L	TRC	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	F-5
F-5	061	NO	SP	BL	OFF	H	SEX	L	TRC	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	RT-1
H-1	041	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	NON	H-2
H-2	102	NO	SP	AL	OFF	L	BRG	H	SW	NON	OFF	OFF	OFF	H	ROM	R17	REA	NON	D6-5
INT-1	325	NO	SP	AL	OFF	H	BRG	H	SVS	NON	OFF	OFF	OFF	H	ROM	R12	WRI	NON	ET-3
IT-1	273	NO	NUL	AL	OFF	H	BRG	L	CON	20	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET-2
J1-1	204	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	J1-2
J1-2	260	NO	SP	BL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R7	WRT	NON	BG-1
J2-1	212	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	J2-1A
J2-1A	261	NO	SP	BL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R11	WRI	NON	J2-2
J2-2	262	NO	SP	A-B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	ROM	R6	REA	NON	J2-3
J2-3	214	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	0	J2-4
J2-4	206	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	TRC	R0	REA	NON	J2-5
J2-5	216	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	NON	J2-6
J2-6	263	NO	SP	BL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	TRC	R0	WRI	NON	J2-7
J2-7	264	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	ROM	R11	REA	NON	J2-8
J2-8	265	NO	SP	BL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R7	WRI	NON	BG-1
LC-1	042	NO	NUL	AL	OFF	H	BRG	L	CON	100	OFF	OFF	OFF	H	ROM	R0	WRT	NON	FI-2
MB-0	154	NO	SP	AL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	MB-1
MB-1	240	NO	SP	ABAR	OFF	H	BRG	L	NON	NON	OFF	ON	OFF	H	ROM	R10	REA	NON	MB-2

NAME	LOC	ARI	ADG	ADD	ADJ	BAR	BEG	BPS	CON	CRU	CRJ	ESH	PSK	SAM	SPA	SPE	TMS	AXI	
MB-2	152	NO	SP	BL	OFF	H	SRV	NON	OFF	OFF	OFF	H	IRD	R0	WRI	NON	BG-1		
PF-1	043	NO	NUL	AL	OFF	H	BRG	L	CON	24	OFF	OFF	OFF	H	ROM	R0	WRI	NON	E1-2
R1-1	005	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R6	REA	I	R1-2
R1-2	221	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R6	REA	NON	R1-3
R1-3	222	NO	SP	BL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R6	WRI	NON	R1-4
R1-4	223	NO	SP	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	IRD	R0	REA	NON	R1-5
R1-5	224	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	R1-6
R1-6	225	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	D0-4
R2-1	227	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R6	REA	I	R2-2
R2-2	230	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R6	REA	NON	R2-3
R2-3	231	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	NON	R2-4
R2-4	232	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	WRI	NON	R2-6
R2-6	234	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R6	REA	I	R2-7
R2-7	235	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R6	REA	NON	R2-8
R2-8	236	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R6	WRI	NON	R2-9
R2-9	237	NO	NUL	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	L	ROM	R0	REA	NON	B2-2
RS-1	000	NO	NUL	AL	OFF	L	BRG	H	CON	24	OFF	OFF	OFF	H	ROM	R0	WRI	I	RS-1A
RS-1A	241	NO	SP	AL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R0	REA	NON	RS-2
RS-2	347	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	WRI	NON	RS-3
RS-3	074	NO	NUL	A+B	OFF	L	+1	H	CON	24	ON	ON	OFF	H	ROM	R0	WRI	I	RS-4
RS-4	351	NO	SP	AL	OFF	H	BRG	H	NON	NON	OFF	OFF	OFF	L	ROM	R0	REA	NON	B2-2
RST-1	357	NO	SP	AL	OFF	H	BRG	H	INI	NON	ON	OFF	OFF	H	ROM	R0	REA	NON	B2-2
RI-1	001	NO	NUL	AL	OFF	H	BRG	L	CON	10	OFF	OFF	OFF	H	ROM	R0	WRI	NON	E1-2
S0-1	201	NO	SP	AL	OFF	H	BRG	L	BYT	NON	OFF	OFF	OFF	H	IRS	R0	REA	NON	S0-2
S0-2	007	NO	SP	BL	OFF	H	BRG	H	DST	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	RT-1
S1-1	203	YES	SP	AL	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	IRS	R0	REA	I	S1-2
S1-2	244	NO	NUL	AL	OFF	H	BRG	L	BYT	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	S0-2
S2-1	205	YES	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	IRS	R0	REA	I	S2-2
S2-2	301	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	IRS	R0	REA	NON	S2-3
S2-3	014	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	IRS	R0	WRI	NON	S1-2
S3-1	207	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	IRS	R0	REA	I	S3-2
S3-2	016	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	IRS	R0	REA	NON	S3-3
S3-3	017	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	IRS	R0	WRI	NON	S3-4
S3-4	134	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	S3-5
S3-5	274	YES	SP	BL	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R0	REA	I	S1-2
S4-1	211	YES	SP	A-B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	IRS	R0	REA	I	S2-3
S5-1	213	NO	SP	A-B-1	OFF	L	+1	L	END	NON	OFF	OFF	OFF	H	IRS	R0	REA	I	S3-3
S6-1	215	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	I	S6-2
S6-2	025	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R7	REA	NON	S6-3
S6-3	026	NO	SP	BL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	S6-4
S6-4	027	NO	NUL	AL	OFF	H	BRG	L	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	S6-5
S6-5	030	YES	SP	A+B	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	IRS	R0	REA	I	S1-2
S7-1	217	NO	SP	AL	OFF	L	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R7	REA	I	S7-2
S7-2	032	NO	SP	A+B	OFF	H	+1	L	NON	NON	OFF	ON	OFF	H	ROM	R7	REA	NON	S7-3

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NAME	LOC	ABT	ALG	ALU	ADU	BAR	BLG	BRG	BUT	CON	CKO	CRI	FSH	PSW	SAM	SPA	SPP	TNS	NXT
S7-3	033	NO	SP	RL	OFF	H	BRG	H	NON	NON	ON	OFF	OFF	H	ROM	R7	WRI	NON	S7-4
S7-4	034	NO	NUL	AL	OFF	H	BRG	T	NON	NON	OFF	OFF	OFF	H	BAR	R0	REA	NON	S7-5
S7-5	035	NO	SP	A+R	OFF	L	BRG	H	NON	NON	ON	OFF	OFF	H	TRS	R0	REA	T	S3-4
SB1-1	166	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-2
SB1-2	172	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-3
SB1-3	173	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-4
SB1-4	174	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-5
SB1-5	144	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-6
SB1-6	176	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-7
SB1-7	177	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB1-8
SB1-8	006	NO	SP	ASR	ON	H	BRG	SL	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	D0-3A
SB2-1	167	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-2
SB2-2	012	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-3
SB2-3	220	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-4
SB2-4	022	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-5
SB2-5	023	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-6
SB2-6	024	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-7
SB2-7	031	NO	SP	ASR	OFF	H	BRG	SL	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SB2-8
SB2-8	330	NO	SP	ASR	ON	H	BRG	SL	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	D1-4
SBE-1	047	NO	SP	BL	OFF	H	SEX	H	DST	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	RT-1
SBO-1	067	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-2
SBO-2	346	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-3
SBO-3	324	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-4
SBO-4	340	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-5
SBO-5	361	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-6
SBO-6	050	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-7
SBO-7	020	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	ON	H	ROM	R0	REA	NON	SBO-8
SBO-8	052	NO	SP	AL	OFF	H	BRG	SR	NON	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	SBE-1
SC-1	116	NO	PSW	AORB	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	L	ROM	R0	REA	NON	BG-1
T-1	021	NO	NUL	AL	OFF	H	BRG	L	CON	34	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET-2
U1-1	352	NO	SP	BL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	D0-3
U2-1	353	NO	SP	BL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	D1-4
U3-1	354	NO	SP	BL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	D0-2
U4-1	355	NO	SP	BL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	D0-10
U5-1	373	NO	SP	BL	ON	H	BRG	H	NON	NON	OFF	OFF	OFF	H	ROM	R10	WRI	NON	D1-4
URTR	064	NO	NUL	AL	OFF	H	BRG	L	CON	60	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET-2
URTX	060	NO	NUL	AL	OFF	H	BRG	L	CON	64	OFF	OFF	OFF	H	ROM	R0	WRI	NON	ET-2
W-1	063	NO	SP	AL	OFF	H	BRG	H	SRV	NON	OFF	OFF	OFF	H	ROM	R0	REA	NON	BG-1

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N A M	L O C	N X T	A L U	C F A R S U I H X	P S S D S P P 1 W 1 3 P	S S S R M P M B D O 1 T	B B S S A T P P R P F 2	C A T K B N O T S	A R L R G G	B U T	
A145	145	0000	0000	0000	0 0 1 0	0 0 0 0	1 0 1 0	0 1 0 0	0 0 0 0	00 00	0101
B=1	015	1001	1000	1100	0 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
B=2	147	1001	1001	0110	0 0 1 1	1 1 0 1	1 1 1 1	1 1 1 1	1 1 1 1	11 11	1111
B=3	146	1101	1111	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	11 00	1100
B2=2	305	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1100
B2=2A	333	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1100
B2=2B	335	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1100
B2=2C	343	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1100
B2=2D	013	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1100
BG=1	040	0011	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	0001
BT=1	045	0101	1010	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 0	1 1 1 1	10 11	1101
CC=1	112	1101	1111	0010	1 0 1 1	0 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	00 00	1100
CCM=1	151	0001	0111	0001	1 0 1 1	1 0 0 1	1 1 1 1	1 1 0 0	1 1 1 1	10 11	1101
CCM=2	350	1011	0101	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1001
CCS=1	316	0100	0001	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 1 1	1 1 1 1	11 11	1111
CCS=2	276	0100	0111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	0110
CCS=3	272	1100	1101	0011	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	0000
CD1=1	313	0011	1100	0000	1 0 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	11 11	0110
CD1=2	303	0000	0011	1111	1 0 1 1	1 0 0 1	1 0 1 1	0 1 0 0	0 1 1 0	10 00	1101
CD1=3	374	0011	0011	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
CD1=4	314	0000	0101	0000	1 0 1 1	1 1 1 1	1 1 1 1	0 1 1 1	0 1 0 1	11 00	1111
CD1=5	372	0011	1101	0101	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	11 00	1111
CD2=1	312	0010	0000	0110	0 1 1 1	1 1 1 1	1 1 1 0	1 1 1 1	1 1 1 1	11 11	1111
CD2=2	337	0011	0100	0101	1 0 1 1	1 1 1 1	1 1 1 1	1 1 0 1	1 1 1 1	11 00	1111
CE1=1	317	0011	1000	0000	1 0 1 1	1 1 1 1	1 1 1 1	0 1 1 1	1 1 1 1	11 11	0110
CE1=2	307	0010	1001	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	0 1 1 0	11 00	1111
CE1=3	326	0011	1101	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
CE2=1	315	0000	0110	0110	0 1 1 1	1 1 1 1	1 1 1 0	0 1 1 1	1 1 1 1	11 11	1111
CE2=2	371	0011	0000	0101	1 0 1 1	1 1 1 1	1 1 1 1	1 1 0 1	1 1 1 1	11 00	1111
CL=1	311	0000	0010	1111	1 0 1 1	1 0 0 1	1 0 1 1	0 1 0 0	0 1 1 0	10 00	1101
CL=2	375	0000	1000	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
CL=3	367	0011	1101	0101	1 0 1 1	1 1 1 1	1 1 1 1	1 1 0 1	1 1 1 1	11 00	1111
CS=1	100	0010	1101	0011	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	0000
CS=2	322	0010	1110	0000	1 0 1 1	1 1 1 1	1 1 1 1	0 1 1 1	1 1 1 1	11 11	1111
CS=3	321	1101	1111	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	11 00	1100
DO=1	101	1001	0011	0000	1 0 1 1	1 0 0 1	0 0 1 1	1 1 1 0	1 1 1 1	11 11	0101
DO=2	157	1001	1101	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 1 0 0	1 1 1 1	11 00	1010
DO=3	162	0010	0101	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	11 11	0010
DO=3A	155	0010	0101	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	11 11	0010
DO=4	332	1101	1111	0101	1 0 1 1	1 0 0 1	0 0 1 1	1 1 0 0	1 1 1 1	11 00	1100

N A M	L O C	N X T	A L U	C R S U I H X	P S S D W 1 3 P	S S S B M P M B 0 0 1 T	R B S S A T P P R P F 2	C A T K B N O T S	A R I R G G	B U T	
D1-1	103	0111	1111	0000	1 0 1 1	1 0 0 0	0 0 1 1	0 1 1 0	0 0 1 0	11 11	1011
D1-2	200	0111	0111	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	0011
D1-3	210	1001	1100	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 1 0 0	1 1 1 1	11 00	1010
D1-4	163	0010	0011	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	11 11	0010
D1-5	134	1100	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	0 0 0 1	11 00	1111
D1-6	065	0011	1010	0101	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1111
D2-1	105	0010	0110	0000	1 0 1 1	1 0 0 0	0 0 1 1	0 1 1 0	1 0 1 0	11 00	1111
D2-2	331	0001	1110	0110	0 1 1 1	1 0 0 1	0 0 1 0	1 1 1 0	1 1 1 1	11 11	1111
D2-3	341	0111	1111	0101	1 0 1 1	1 0 0 1	0 0 1 1	1 1 0 0	0 1 1 1	11 00	1011
D3-1	107	1000	1111	0000	1 0 1 1	1 0 0 1	0 0 1 1	0 1 1 0	1 1 1 0	11 00	1111
D3-2	160	1100	0111	0110	0 1 1 1	1 0 0 1	0 0 1 0	1 1 1 0	1 1 1 1	11 11	1111
D3-3	070	1100	0110	0101	1 0 1 1	1 0 0 1	0 0 1 1	1 1 0 0	0 1 1 1	11 00	1111
D3-4	071	1100	0101	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
D3-5	072	0111	1111	0101	1 0 1 1	1 0 0 0	1 0 1 1	0 1 1 0	0 0 1 0	11 00	1011
D4-1	111	0001	1110	1001	0 0 1 1	1 0 0 0	0 0 1 0	0 1 1 0	1 0 1 0	11 11	0100
D5-1	113	1100	0111	1001	0 0 1 1	1 0 0 1	0 0 1 0	0 1 1 0	1 1 1 0	11 11	0100
D6-1	115	1100	0010	0000	1 0 1 1	1 1 0 1	1 1 1 1	0 1 1 1	1 1 1 0	11 00	1111
D6-2	075	1100	0000	0110	0 1 1 1	1 1 0 1	1 1 1 0	1 1 1 1	1 1 1 1	11 11	1111
D6-3	077	1101	0000	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	11 00	1111
D6-4	057	0011	1111	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
D6-5	300	0111	1111	0110	0 0 1 1	1 0 0 0	0 0 1 1	0 1 1 0	0 0 1 0	11 11	1011
D7-1	117	0011	0111	0000	1 0 1 1	1 1 0 1	1 1 1 1	0 1 1 1	1 1 1 0	11 00	1111
D7-2	310	1011	1011	0110	0 1 1 1	1 1 0 1	1 1 1 0	1 1 1 1	1 1 1 1	11 11	1111
D7-3	104	0010	1111	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	11 00	1111
D7-4	320	1011	1001	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	1111
D7-5	106	1100	0110	0110	0 0 1 1	1 0 0 1	0 0 1 1	0 1 1 0	0 1 1 0	11 00	1111
DB0-1	156	1001	1011	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 0 0 0	1 1 1 1	11 11	1010
DB0-2	164	0011	1011	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	11 11	0010
DB0-3	304	1101	1111	0101	1 0 1 1	1 0 0 1	0 0 1 1	1 1 0 0	1 1 1 1	01 00	1100
DE-1	110	1101	1110	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 00	1111
DE-1	250	1000	1100	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 0 0 0	1 1 1 1	11 11	1010
DO-1	270	1010	1100	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 10	1111
DO-10	165	0001	1101	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	11 11	0010
DO-11	342	1010	0010	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-12	135	1010	0001	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-13	136	1010	0000	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-14	137	1001	1111	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-15	140	1001	1110	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-16	141	1001	1101	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111
DO-17	142	1001	1100	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	1111

N A M	L O C	N X T	A L U	C F A R S U I H X	P S S D S P P I W 1 3 P	S S S B M P M B 0 0 1 T	B B S S A T P P R P F 2	C A T K B N O T S	A B L R G G	B U T	
DO-18	143	1100	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	0 0 0 1	11 0 1	1111
DO-2	123	1010	1011	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-3	124	1010	1010	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-4	125	1010	1001	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-5	126	1010	1000	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-6	127	1010	0111	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-7	130	1010	0110	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-8	131	1010	0101	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 0	1111
DO-9	132	1001	1010	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 0 0 0	1 1 1 1	11 1 1	1010
ERT-1	010	0101	1010	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	1 1 1 1	10 1 1	1101
ERT1A	046	1111	1100	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	1 1 1 1	10 1 1	1101
ERT1B	153	0101	1010	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	1 1 1 1	10 1 1	1101
ET-1	011	0101	1010	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 1 0	1 1 1 1	10 1 1	1101
ET-10	254	0101	0010	0000	1 0 1 1	1 1 1 1	1 0 1 1	0 1 1 0	0 1 1 0	11 0 0	0000
ET-11	255	0101	0001	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	11 1 1	1111
ET-12	256	0101	0000	0110	0 1 1 1	1 1 1 1	1 0 1 0	0 1 1 0	0 1 1 0	11 1 1	1111
ET-13	257	0011	1010	0000	1 0 1 1	0 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 1 1	1111
ET-2	245	0101	1001	0101	1 0 1 1	1 1 1 1	1 0 1 1	1 1 0 0	1 1 1 1	11 0 0	1111
ET-3	246	0101	1000	1001	0 0 1 1	1 1 0 1	1 0 1 0	0 1 1 1	1 1 1 1	11 1 1	0100
ET-5	247	0110	1001	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 0 1	11 0 0	1111
ET-6	226	0101	0110	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	00 0 0	1111
ET-7	251	0101	0101	1001	0 0 1 1	1 1 0 1	1 0 1 0	0 1 1 1	1 1 1 1	11 1 1	0100
ET-8	252	0101	0100	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 0 1	11 0 0	1111
ET-9	253	0101	0011	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 1 1	1 1 1 1	11 0 0	1111
ET2-2	003	1111	1011	0101	1 0 1 1	1 1 1 1	1 0 1 1	1 1 0 0	1 1 1 1	11 1 1	1111
ET2-3	004	1110	0001	1001	0 0 1 1	1 1 0 1	1 0 1 0	0 1 1 1	1 1 1 1	11 1 1	1111
ET2-5	036	1110	0000	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 0 1	11 0 0	1111
ET2-6	037	1101	0110	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	00 0 0	1111
ET2-7	051	0101	0101	1001	0 0 1 1	1 1 0 1	1 0 1 0	0 1 1 1	1 1 1 1	11 1 1	1111
F-1	062	1101	0100	0000	1 0 1 1	1 1 0 1	1 1 1 1	0 1 1 1	1 1 1 0	11 0 0	1111
F-2	053	0000	1010	0110	0 1 1 1	1 1 0 1	1 1 1 0	1 1 1 1	1 1 1 1	11 1 1	1111
F-3	365	0000	1011	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	11 0 0	1111
F-4	364	1100	1110	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 1 1	0000
F-5	061	1111	1110	0101	1 0 1 1	1 0 0 1	1 0 1 1	1 0 1 0	1 1 1 1	11 1 1	0111
H-1	041	0011	1101	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 1 1	1 1 1 1	11 1 1	1111
H-2	302	0011	1111	0000	1 0 1 1	1 1 1 1	1 1 1 1	0 1 1 1	1 1 1 1	11 0 0	0110
INT-1	325	0101	1001	0000	1 0 1 1	1 1 1 1	1 0 1 1	1 1 0 0	1 1 1 1	11 0 0	1000
IT-1	273	0101	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 1	1 1 1 1	10 1 1	1101
J1-1	204	0100	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 0 0	1111
J1-2	260	1101	1111	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	11 0 0	1100

N A M	L D C	N X T	A L U	C F A R S U I H X	P S S D S P P I W I 3 P	S S S B M P M B 0 0 1 T	R R S S A T P P R P F 2	C A T K R N D T S	A B L R G G	B U T	
J2-1	212	0100	1110	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 0 0	1 1 1 1
J2-1A	261	0100	1101	0101	1 0 1 1	1 0 1 1	1 1 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
J2-2	262	0111	0011	1001	0 0 1 1	1 1 0 1	1 0 1 0	0 1 1 1	1 1 1 1	1 1 1 1	0 1 0 0
J2-3	214	0111	1001	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 0 1	1 1 0 0	1 1 1 1
J2-4	206	0111	0001	0000	1 0 1 1	1 0 0 1	1 0 0 1	1 1 1 0	1 1 1 1	1 1 0 0	1 1 1 1
J2-5	216	0100	1100	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1
J2-6	263	0100	1011	0101	1 0 1 1	1 0 0 1	1 0 0 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
J2-7	264	0100	1010	0000	1 0 1 1	1 0 1 1	1 1 1 1	1 1 1 0	1 1 1 1	1 1 1 1	1 1 1 1
J2-8	265	1101	1111	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	1 1 0 0	1 1 0 0
LC-1	042	0101	1010	0000	1 0 1 1	1 0 1 1	1 1 1 1	1 1 1 0	1 1 1 1	1 0 1 1	1 1 0 1
MB-0	154	0101	1111	0000	1 0 1 0	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 0 0	1 1 1 1
MB-1	240	1001	0101	1111	1 1 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 1 1	1 1 1 1
MB-2	152	1101	1111	0101	1 0 1 1	1 0 0 1	0 0 1 1	1 0 0 0	1 1 1 1	1 1 0 0	1 1 0 0
PF-1	043	0101	1010	0000	1 0 1 1	1 0 1 1	1 0 1 1	1 1 1 0	1 1 1 1	1 0 1 1	1 1 0 1
R1-1	005	0110	1110	0000	1 0 1 1	1 1 0 1	1 0 1 1	0 1 1 1	1 1 1 0	1 1 0 0	1 1 1 1
R1-2	221	0110	1101	0110	0 1 1 1	1 1 0 1	1 0 1 0	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1
R1-3	222	0110	1100	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 0	1 1 1 1
R1-4	223	0110	1011	0000	1 0 1 1	1 0 0 1	0 0 1 1	1 1 1 0	1 1 1 1	1 1 1 1	1 1 1 1
R1-5	224	0110	1010	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	1 1 0 0	1 1 1 1
R1-6	225	0010	0101	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	1 0 1 1	1 1 1 1
R2-1	227	0110	0111	0000	1 0 1 1	1 1 0 1	1 0 1 1	0 1 1 1	1 1 1 0	1 1 0 0	1 1 1 1
R2-2	230	0110	0110	0110	0 1 1 1	1 1 0 1	1 0 1 0	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1
R2-3	231	0110	0101	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 1 1	1 1 0 0	1 1 1 1
R2-4	232	0110	0011	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	1 1 0 0	1 1 1 1
R2-6	234	0110	0010	0000	1 0 1 1	1 1 0 1	1 0 1 1	0 1 1 1	1 1 1 0	1 1 0 0	1 1 1 1
R2-7	235	0110	0001	0110	0 1 1 1	1 1 0 1	1 0 1 0	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1
R2-8	236	0110	0000	0101	1 0 1 1	1 1 0 1	1 0 1 1	1 1 0 1	0 1 1 1	1 1 0 0	1 1 1 1
R2-9	237	0011	1010	0000	1 0 1 1	0 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 0 0 0	1 1 1 1
RS-1	000	0101	1110	0000	1 0 1 1	1 0 1 1	1 0 1 1	0 1 1 0	1 1 1 0	1 0 0 0	1 1 0 1
RS-1A	241	0001	1000	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	0 1 1 1	1 1 0 0	1 1 1 1
RS-2	347	1100	0011	0000	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	1 1 1 1	1 1 0 0	1 1 1 1
RS-3	074	0001	0110	0110	0 1 1 1	1 0 1 1	1 0 1 0	0 1 1 0	0 1 1 0	1 0 0 0	1 1 0 1
RS-4	351	0011	1010	0000	1 0 1 1	0 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 0 0	1 1 1 1
RST-1	357	0011	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	0 1 1 1	1 1 0 0	1 1 1 0
RT-1	001	0101	1010	0000	1 0 1 1	1 1 0 1	1 0 1 1	1 1 1 1	1 1 1 1	1 0 1 1	1 1 0 1
S0-1	201	1111	1000	0000	1 0 1 1	1 0 0 1	1 0 0 1	1 1 1 0	1 1 1 1	1 1 1 1	0 0 1 1
S0-2	007	1111	1110	0101	1 0 1 1	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 0 0 1
S1-1	203	0101	1011	0000	1 0 1 1	1 0 0 1	1 0 0 1	0 1 1 0	0 0 1 0	1 1 0 0	1 1 1 1
S1-2	244	1111	1000	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	1 0 1 1	0 0 1 1
S2-1	205	0011	1110	0000	1 0 1 1	1 0 0 1	1 0 0 1	0 1 1 0	1 0 1 0	1 1 0 0	1 1 1 1

EQUIPMENT CORPORATION



digital EQUIPMENT CORPORATION

M A M	D O C	N X T	A L U	C R T H X	F R S H	A W	P S S D W 1 3 P	S S S B M P M B 0 0 1 T	B B S S A T P P R P P 2	C A T K R V O T S	A H L R G G	B U T
S2-2	101	1111	0011	0110	0 1 1 1	1 0 0 1	1 0 0 0	1 1 1 0	1 1 1 0	1 1 1 1	11 11	1111
S2-3	014	0101	1011	0101	1 0 1 1	1 0 0 1	1 0 0 1	1 1 0 0	0 1 1 1	11 00	11 00	1111
S3-1	207	1111	0001	0000	1 0 1 1	1 0 0 1	1 0 0 1	0 1 1 0	1 1 1 0	11 00	11 00	1111
S3-2	016	1111	0000	0110	0 1 1 1	1 0 0 1	1 0 0 0	1 1 1 0	1 1 1 1	11 11	11 11	1111
S3-3	017	1010	0011	0101	1 0 1 1	1 0 0 1	1 0 0 1	1 1 0 0	0 1 1 1	11 00	11 00	1111
S3-4	134	0100	0011	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	11 11	1111
S3-5	274	0101	1011	0101	1 0 1 1	1 0 0 1	1 0 1 1	0 1 1 0	0 0 1 0	11 00	11 00	1111
S4-1	211	1111	0011	1001	0 0 1 1	1 0 0 1	1 0 0 0	0 1 1 0	1 0 1 0	11 11	01 00	1111
S5-1	213	1111	0000	1001	0 0 1 1	1 0 0 1	1 0 0 0	0 1 1 0	1 1 1 0	11 11	01 00	1111
S6-1	215	1110	1010	0000	1 0 1 1	1 1 0 1	1 1 1 1	0 1 1 1	1 1 1 0	11 00	11 00	1111
S6-2	025	1110	1001	0110	0 1 1 1	1 1 0 1	1 1 1 0	1 1 1 1	1 1 1 1	11 11	11 11	1111
S6-3	026	1110	1000	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	11 00	11 00	1111
S6-4	027	1110	0111	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	11 11	1111
S6-5	030	0101	1011	0110	0 0 1 1	1 0 0 1	1 0 0 1	0 1 1 0	0 0 1 0	11 00	11 00	1111
S7-1	217	1110	0101	0000	1 0 1 1	1 1 0 1	1 1 1 1	0 1 1 1	1 1 1 0	11 00	11 00	1111
S7-2	032	1110	0100	0110	0 1 1 1	1 1 0 1	1 1 1 0	1 1 1 1	1 1 1 1	11 11	11 11	1111
S7-3	033	1110	0011	0101	1 0 1 1	1 1 0 1	1 1 1 1	1 1 0 1	0 1 1 1	11 00	11 00	1111
S7-4	034	1110	0010	0000	1 0 1 1	1 0 0 1	0 0 0 1	1 1 1 0	1 1 1 1	10 11	11 11	1111
S7-5	035	1010	0011	0110	0 0 1 1	1 0 0 1	1 0 0 1	0 1 1 0	0 1 1 0	11 00	11 00	1111
SB1-1	166	1000	0101	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-2	172	1000	0100	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-3	173	1000	0011	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-4	174	1001	1011	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-5	144	1000	0001	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-6	176	1000	0000	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-7	177	1111	1001	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB1-8	006	1001	0010	1110	0 0 1 0	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-1	167	1111	0101	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-2	012	0110	1111	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-3	220	1110	1101	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-4	022	1110	1100	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-5	023	1110	1011	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-6	024	1110	0110	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-7	031	0010	0111	1110	0 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SB2-8	330	1000	1100	1110	0 0 1 0	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 01	11 01	1111
SBE-1	047	1111	1110	0101	1 0 1 1	1 0 1 1	1 0 1 1	1 0 0 0	1 1 1 1	11 00	10 01	1001
SBO-1	067	0001	1001	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 10	11 10	1111
SBO-2	346	0010	1011	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 10	11 10	1111
SBO-3	324	0001	1111	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 10	11 10	1111
SBO-4	340	0000	1110	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	11 10	11 10	1111

N A M	L O C	N X T	A L U	C F A R S U I H X	P S S D S P P I W I S P	S S S B M P M B O O I T	B B S S A T P P R P P 2	C A T K R N O T S	A B L R G G	B U T	
SBO-5	301	1101	0111	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 1 0	1 1 1 1
SBO-6	050	1110	1111	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 1 0	1 1 1 1
SBO-7	020	1101	0101	0000	1 0 0 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 1 0	1 1 1 1
SBO-8	052	1101	1000	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 1 0	1 1 1 1
SC-1	116	1101	1111	0100	1 0 1 1	0 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	0 0 0 0	1 1 0 0
T-1	021	0101	1010	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 0 1	1 1 1 1	1 0 1 1	1 1 0 1
U1-1	352	1000	1101	0101	1 0 1 0	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
U2-1	353	1000	1100	0101	1 0 1 0	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
U3-1	354	1000	1011	0101	1 0 1 0	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
U4-1	355	1000	1010	0101	1 0 1 0	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
U5-1	373	1000	1100	0101	1 0 1 0	1 0 1 1	1 0 1 1	1 1 0 0	1 1 1 1	1 1 0 0	1 1 1 1
URTR	064	0101	1010	0000	1 0 1 1	1 1 1 1	1 0 1 1	1 1 0 1	1 1 1 1	1 0 1 1	1 1 0 1
URTX	060	0101	1010	0000	1 0 1 1	1 0 0 1	1 1 1 1	1 1 1 0	1 1 1 1	1 0 1 1	1 1 0 1
W-1	063	1101	1111	0000	1 0 1 1	1 0 0 1	1 0 1 1	1 1 1 0	1 1 1 1	1 1 0 0	1 1 0 0

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REV. NUMBER SIZE CODE KMP KDII-B-4 2 1

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
KDII-B				
PARTS LIST				
DRN. <i>J. Madden</i>	DATE 4-21-72	<div style="display: flex; align-items: center;"> DIGITAL EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small> </div>		
CHK'D. <i>R. L. Kersik</i>	DATE 5-2-72			
ENG. <i>R. L. Kersik</i>	DATE 5-2-72			
PROJ. ENG. <i>R. L. Kersik</i>	DATE 5-2-72			
PROD. <i>R. K. Petersen</i>	DATE 7/2/72			
NEXT HIGHER ASSEMBLY		TITLE MICROPROGRAM CROSS REFERENCE LISTING (KDII-B)		
B-DD-KDII-B				
SCALE	<i>1/1</i>	SIZE CODE	NUMBER	REV.
SHEET	1 OF 3	KMP	KDII-B-4	
		DIST.		

REV.	
CHANGE NO.	
CHK	

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000 RS-1	001 RT-1	002 *****	003 ET2-2	004 ET2-3	005 R1-1	006 SB1-8	007 S0-2
010 ERY-1	011 ET-1	012 SB2-2	013 B2-2D	014 S2-3	015 B-1	016 S3-2	017 S3-3
020 SRO-7	021 T-1	022 SB2-4	023 SB2-5	024 SB2-6	025 S6-2	026 S6-3	027 S6-4
030 S6-5	031 SB2-7	032 S7-2	033 S7-3	034 S7-4	035 S7-5	036 ET2-5	037 ET2-6
040 BG-1	041 W-1	042 LC-1	043 PF-1	044 *****	045 BT-1	046 ERT1A	047 SBE-1
050 SRO-6	051 ET2-7	052 SBO-8	053 F-2	054 *****	055 *****	056 *****	057 D6-4
060 URTX	061 F-3	062 F-1	063 W-1	064 URTR	065 D1-6	066 *****	067 SBO-1
070 D3-3	071 D3-4	072 D3-5	073 *****	074 RS-3	075 D6-2	076 *****	077 D6-3
100 CS-1	101 D0-1	102 *****	103 D1-1	104 D7-3	105 D2-1	106 D7-5	107 D3-1
110 DBE-1	111 D4-1	112 CC-1	113 D5-1	114 *****	115 D6-1	116 SC-1	117 D7-1
120 *****	121 *****	122 *****	123 D0-2	124 D0-3	125 D0-4	126 D0-5	127 D0-6
130 D0-7	131 D0-8	132 D0-9	133 *****	134 S3-4	135 D0-12	136 D0-13	137 D0-14
140 D0-15	141 D0-16	142 D0-17	143 D0-18	144 SB1-5	145 A145	146 R-3	147 R-2
150 *****	151 CCM-1	152 MB-2	153 ERT1B	154 MB-0	155 D0-3A	156 D0-1	157 D0-2
160 D3-2	161 *****	162 D0-3	163 D1-4	164 D0-2	165 D0-10	166 SB1-1	167 SB2-1
170 *****	171 *****	172 SB1-2	173 S91-3	174 SB1-4	175 *****	176 SB1-6	177 SB1-7
200 D1-2	201 S0-1	202 *****	203 S1-1	204 J1-1	205 S2-1	206 J2-4	207 S3-1
210 S1-3	211 S4-1	212 J2-1	213 S5-1	214 J2-3	215 S6-1	216 J2-5	217 S7-1
220 SB2-3	221 R1-2	222 R1-3	223 R1-4	224 R1-5	225 R1-6	226 ET-6	227 R2-1
230 R2-2	231 R2-3	232 R2-4	233 *****	234 R2-6	235 R2-7	236 R2-8	237 R2-9
240 MB-1	241 RS-1A	242 *****	243 *****	244 S1-2	245 ET-2	246 ET-3	247 ET-5
250 DE-1	251 ET-7	252 ET-8	253 ET-9	254 ET-10	255 ET-11	256 ET-12	257 ET-13
260 J1-2	261 J2-1A	262 J2-2	263 J2-6	264 J2-7	265 J2-8	266 *****	267 *****
270 D0-1	271 *****	272 CCS-3	273 I7-1	274 S3-5	275 *****	276 CCS-2	277 *****
300 D6-5	301 S2-2	302 M-2	303 CD1-2	304 D0-3	305 B2-2	306 *****	307 CE1-2
310 D7-2	311 CL-1	312 CD2-1	313 CD1-1	314 CD1-4	315 CE2-1	316 CCS-1	317 CE1-1
320 D7-4	321 CS-3	322 CS-2	323 *****	324 SBO-3	325 INT-1	326 CE1-3	327 *****
330 SB2-8	331 D2-2	332 D0-4	333 B2-2A	334 D1-5	335 B2-2B	336 *****	337 CD2-2
340 SBO-4	341 D2-3	342 D0-11	343 B2-2C	344 *****	345 *****	346 SBO-2	347 RS-2
350 CCM-2	351 PS-4	352 U1-1	353 U2-1	354 U3-1	355 U4-1	356 *****	357 RST-1
360 *****	361 SBO-5	362 *****	363 *****	364 F-4	365 F-3	366 *****	367 CL-3
370 *****	371 CE2-2	372 CD1-5	373 U5-1	374 CD1-3	375 CL-2	376 *****	377 *****


4145	145	D6-1	115	F-4	364	S5-1	213
R-1	015	D6-2	075	F-5	061	S6-1	215
R-2	147	D6-3	077	M-1	041	S6-2	025
R-3	146	D6-4	057	M-2	302	S6-3	026
R2-2	305	D6-5	300	INT-1	325	S6-4	027
R2-2A	333	D7-1	117	I7-1	273	S6-5	030
R2-2B	335	D7-2	310	J1-1	204	S7-1	217
R2-2C	343	D7-3	104	J1-2	260	S7-2	032
R2-2D	013	D7-4	320	J2-1	212	S7-3	033
RG-1	040	D7-5	106	J2-1A	261	S7-4	034
RT-1	045	D80-1	156	J2-2	262	S7-5	035
CC-1	112	D80-2	164	J2-3	214	SB1-1	166
CCM-1	151	D80-3	324	J2-4	206	SB1-2	172
CCM-2	350	D80-4	110	J2-5	216	SB1-3	173
CCS-1	316	DE-1	250	J2-6	263	SB1-4	174
CCS-2	276	D0-1	270	J2-7	264	SB1-5	144
CCS-3	272	D0-10	165	J2-8	265	SB1-6	176
CD1-1	313	D0-11	342	LC-1	042	SB1-7	177
CD1-2	303	D0-12	135	MB-0	154	SB1-8	006
CD1-3	374	D0-13	136	MB-1	240	SB2-1	167
CD1-4	314	D0-14	137	MB-2	152	SB2-2	012
CD1-5	372	D0-15	140	PF-1	043	SB2-3	220
CD2-1	312	D0-16	141	R1-1	005	SB2-4	022
CD2-2	337	D0-17	142	R1-2	221	SB2-5	023
CE1-1	317	D0-18	143	R1-3	222	SB2-6	024
CE1-2	307	D0-2	123	R1-4	223	SB2-7	031
CE1-3	326	D0-3	124	R1-5	224	SB2-8	330
CE2-1	315	D0-4	125	R1-6	225	SBE-1	047
CE2-2	371	D0-5	126	R2-1	227	SBO-1	067
CL-1	311	D0-6	127	R2-2	230	SBO-2	346
CL-2	375	D0-7	130	R2-3	231	SBO-3	324
CL-3	367	D0-8	131	R2-4	232	SBO-4	340
CS-1	100	D0-9	132	R2-6	234	SBO-5	361
CS-2	322	EPT-1	010	R2-7	235	SBO-6	050
CS-3	321	EPT1A	046	R2-8	236	SBO-7	020
DB-1	101	EPT1B	153	R2-9	237	SBO-8	052
DB-2	157	ET-1	011	RS-1	000	SC-1	116
DB-3	162	ET-10	254	RS-1A	241	T-1	021
DB-3A	155	ET-11	255	RS-2	347	U1-1	352
DB-4	332	ET-12	256	RS-3	074	U2-1	353
D1-1	103	ET-13	257	RS-4	351	U3-1	354
D1-2	200	ET-2	245	RST-1	357	U4-1	355
D1-3	210	ET-3	246	RT-1	001	U5-1	373
D1-4	163	ET-5	247	S0-1	201	URTR	064
D1-5	334	ET-6	226	S0-2	007	URTX	060
D1-6	065	ET-7	251	S1-1	203	W-1	063
D2-1	105	ET-8	252	S1-2	244	000	000
D2-2	331	ET-9	253	S2-1	205	000	000
D2-3	341	ET2-2	003	S2-2	301	000	000
D3-1	107	ET2-3	004	S2-3	014	000	000
D3-2	160	ET2-5	036	S3-1	207	000	000
D3-3	070	ET2-6	037	S3-2	216	000	000
D3-4	071	ET2-7	051	S3-3	017	000	000
D3-5	072	F-1	062	S3-4	134	000	000
D4-1	111	F-2	053	S3-5	274	000	000
D5-1	113	F-3	365	S4-1	211	000	000

PAGE REVISION CONTROL SHEET

SH NO.	PAGE REVISIONS												REMARKS
	J	K	L	M	N	P	R						
1	J	K	L	M	N	P	R						
2	J	K	L	M	N	N	N						
3	J	J	J	M	N	N	P						
4	J	J	J	M	N	N	P						
5	J	J	J	M	M	M	N						
6	J	J	J	M	M	M	N						
7	J	J	J	M	M	N	N						
8	J	J	J	M	N	N	N						
9	J	J	J	M	M	N	P						
10	J	K	L	M	M	N	P						
11	J	J	J	M	M	M	N						
12	-	-	-	M	M	N	N						

DATE	ENG.	ETCH REV.	ECO NO.
10-11-72	M.T.	B	00007
10-30-72	B.A.	B	00008
11-27-72	M.T.	B	00009
2-23-73	B.A.	C	00010 10A
6-19-73	M.T.	C	00012
8-20-75	R.K.	C	00014
12 NOV 76	R.G.	C	00015

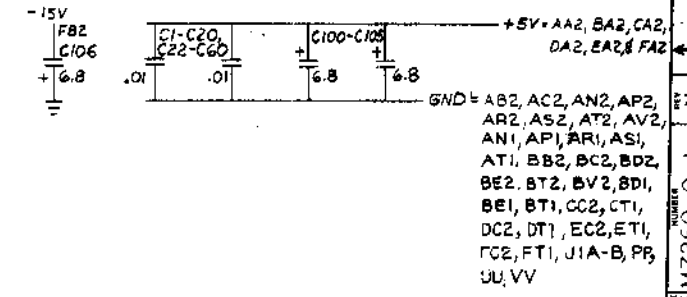
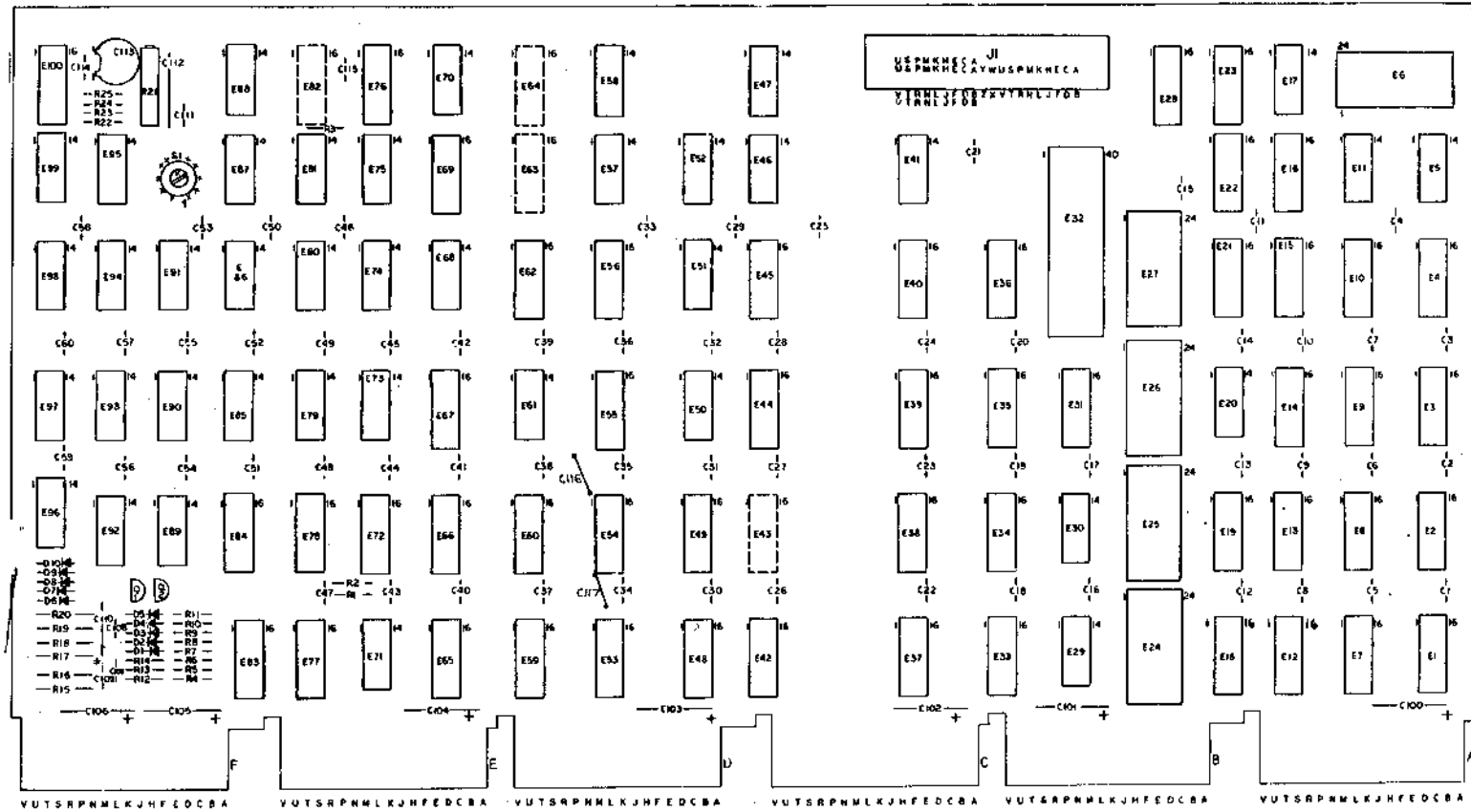
FIRST USED ON OPTION/MODEL
KD11-B

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	CHK'D. <i>M. T. Tellor</i>	DATE 10/26/72	
	ENG. <i>M. T. Tellor</i>	DATE 10/26/72	
	PROJ. ENG. <i>M. T. Tellor</i>	DATE	
	PROD.	DATE	
NEXT HIGHER ASSY.	TITLE		<p>DATA PATHS</p>
B-DD-KD11-B	SIZE B	CODE CS	
SCALE <i>++</i>	NUMBER M7260-0-1		
SHEET 1 OF 12	DIST.	REV. R	

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NOTES:

N 1-0-0922W 2



DEC 74174	8	16
DEC 74175	8	16
DEC 7489	8	16
DEC 1808	3	1
DEC 74182	8	16
DEC 74181	12	24
DEC 74157	8	16
DEC 74150	8	16
DEC 74153	8	16
DEC 74194	8	16
DEC 74150	12	24
DEC 6638	8	16
IC TYPE	GND + 5V	
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
FIRST USED ON OPTION MODEL				
ETCH BOARD REV C				
PARTS LIST				
TITLE: DATA PATHS				
NEXT HIGHER ASSY: B-DD-KD11-8				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE
				1/22/73
SEMICONDUCTOR CONVERSION CHART				
SHEET 2 OF 12				

D E S M 7 2 6 0 - 0 - 1

NOTES:

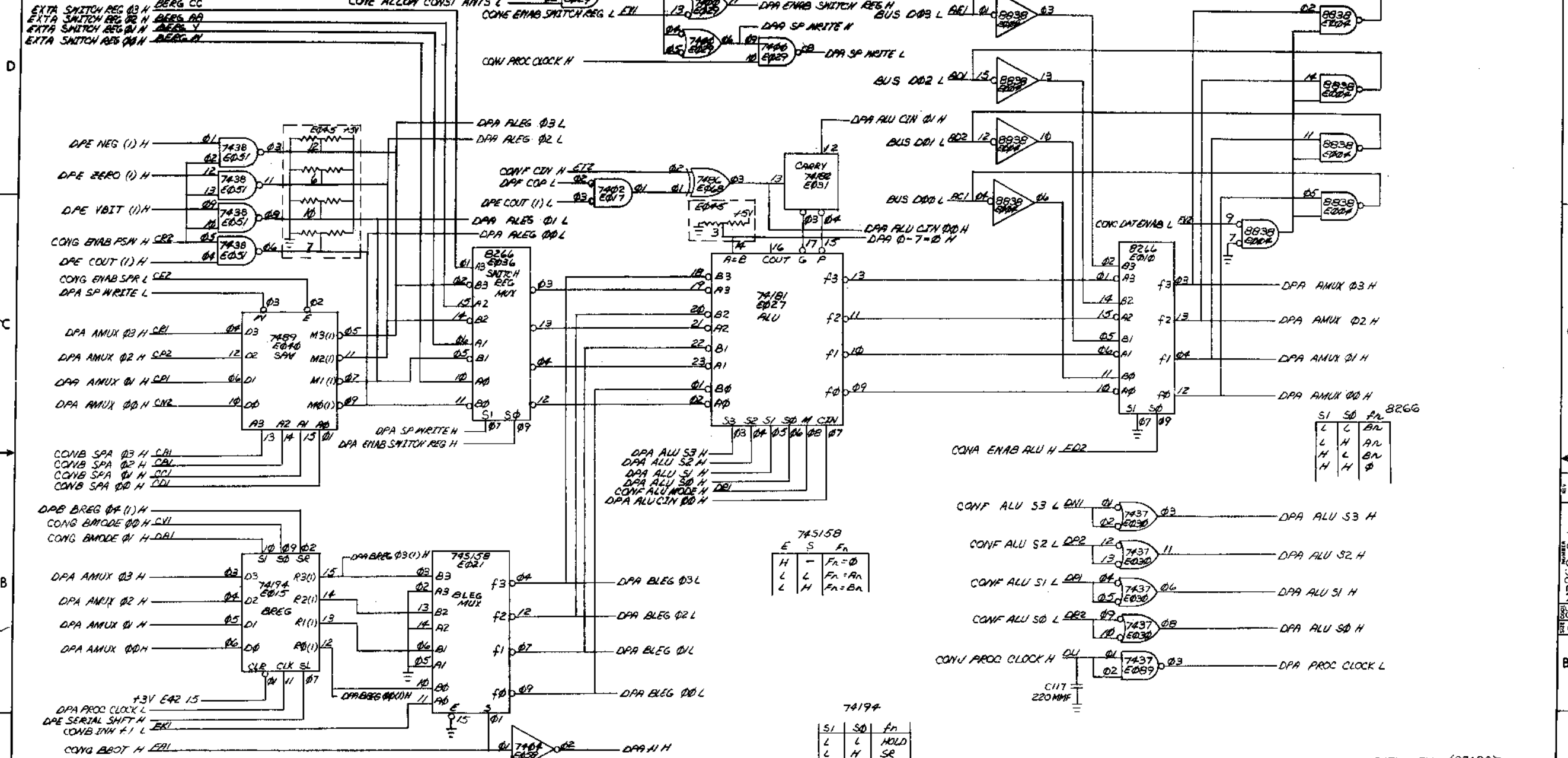
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Main parts list table with columns: REF, DESCRIPTION, PART NO., QTY, REF DESIGNATION, DESCRIPTION, PART NO., QTY. Includes components like ETCH CIRCUIT BOARD, X-Y COORDINATE HOLE/LAYOUT, DATA PATH ASSY HOLE/LAYOUT, etc.

IC PIN LOCATIONS table with columns: IC TYPE, GND, +5V. Lists IC types like DEC 9602, ROM 23AXXA1, etc.

Administrative and revision information block including: PARTS LIST, REVISIONS table, DIGITAL EQUIPMENT CORPORATION logo, TITLE DATA PATHS, SEMICONDUCTOR CONVERSION CHART, and drawing metadata.

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745158

E	S	F _n
H	-	F _n = 0
L	L	F _n = A _n
L	H	F _n = B _n

74194

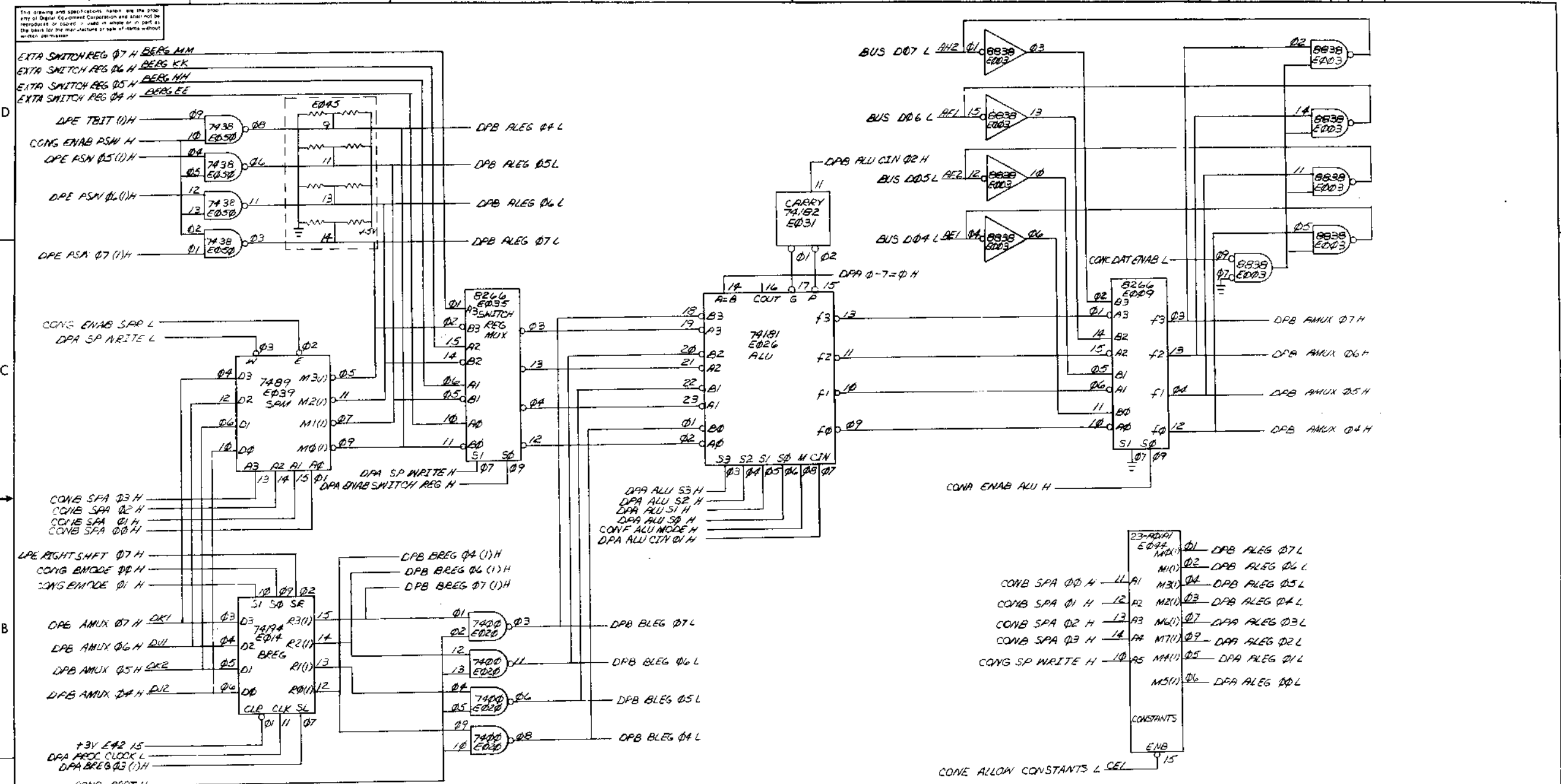
S1	S0	F _n
L	L	HOLD
L	H	SR
H	L	SL
H	H	LOAD

S1	S0	F _n
L	L	B _n
L	H	A _n
H	L	B _n
H	H	0

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	digital EQUIPMENT CORPORATION			
.XXX - .006	1° - 30'	TITLE			
.XK - .02		DATA PATH			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		MATERIAL			
		NEXT HIGHER ASSY			
		SIZE CODE		NUMBER (DPA)	
		B-DD-KDII-B		D CS M7260-0-1	
		SCALE		REV. P	
		SHEET 4 OF 12		DIST.	

REVISIONS

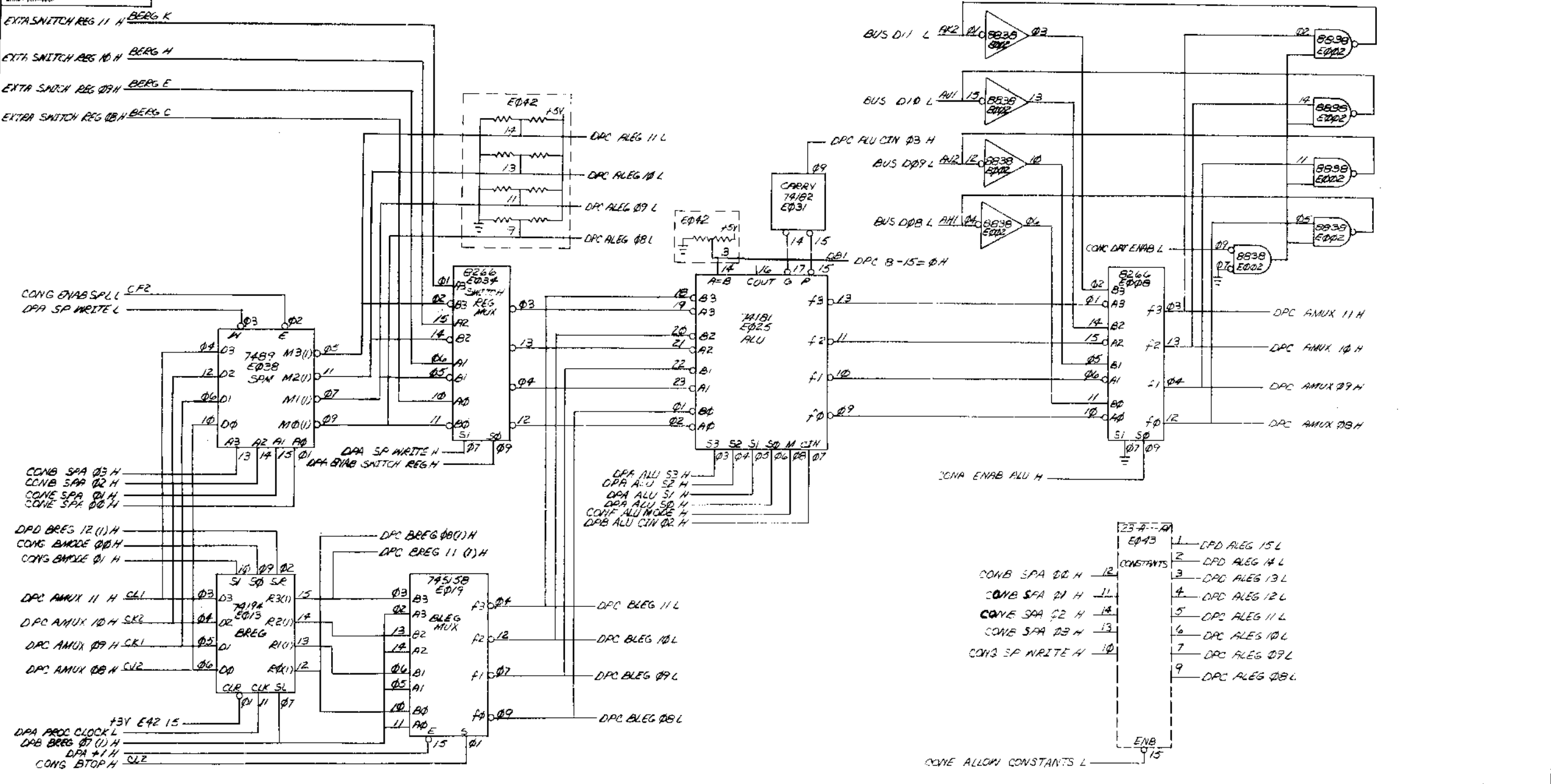
NO.	DATE	DESCRIPTION



DATA PATH < 07:04 >

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
11/05				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XX - .02	10° 30'	digital EQUIPMENT CORPORATION		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		TITLE		
MATERIAL		DATA PATHS (DPB)		
FINISH		B-DD-KD11-B		
		SCALE	SIZE CODE	NUMBER
		SHEET 5 OF 12	DCS M7260-0-1	REV N

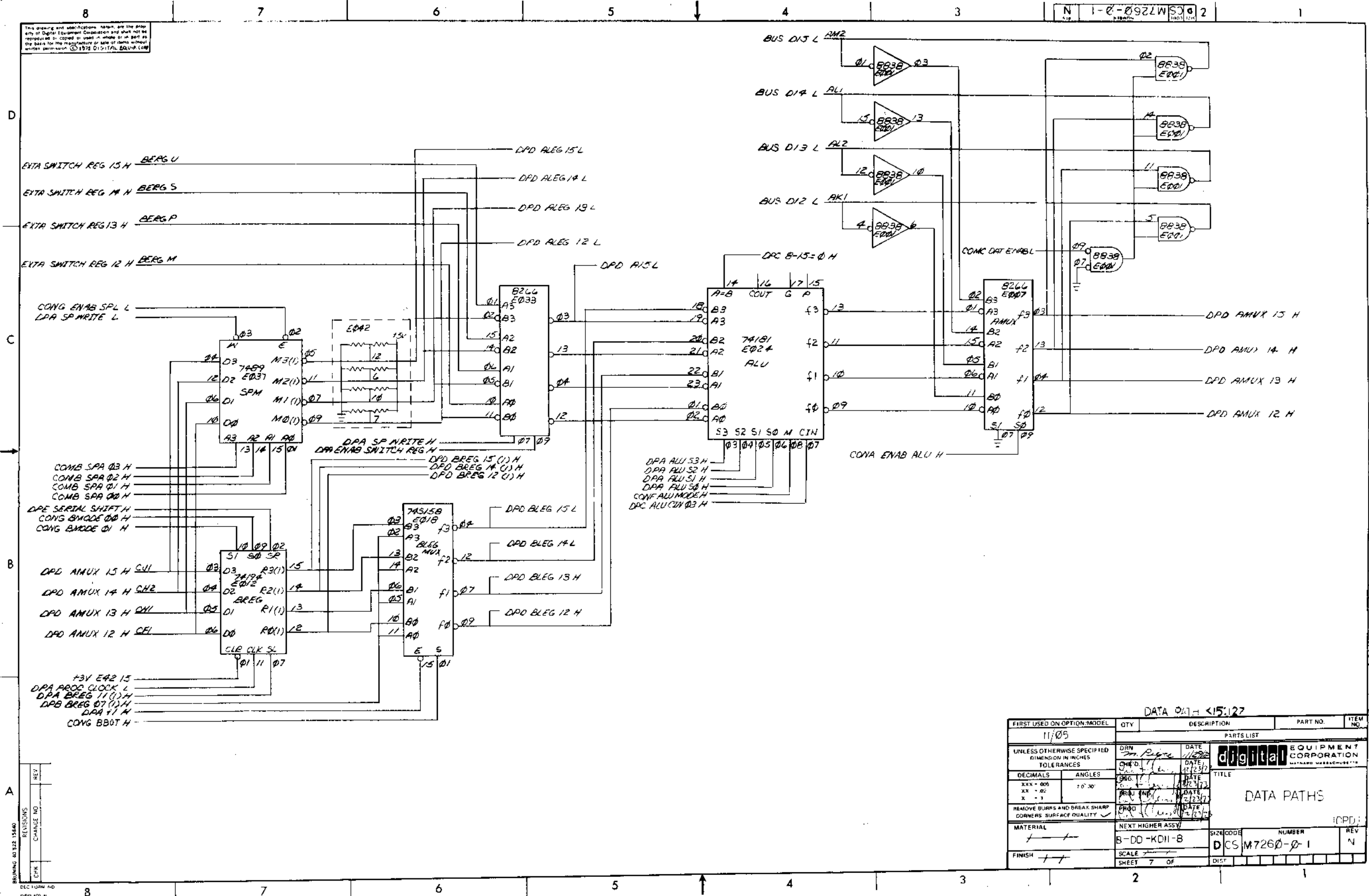
REVISIONS
 DATE
 BY
 CHK
 ENGR



- 23 A-1A
- | | | |
|-----------|---|---------------|
| EQ 43 | 1 | DPC ALEG 15 L |
| CONSTANTS | 2 | DPC ALEG 14 L |
| | 3 | DPC ALEG 13 L |
| | 4 | DPC ALEG 12 L |
| | 5 | DPC ALEG 11 L |
| | 6 | DPC ALEG 10 L |
| | 7 | DPC ALEG 09 L |
| | 9 | DPC ALEG 08 L |
- CONG SPA 01 H 12
 CONG SPA 02 H 11
 CONG SPA 03 H 14
 CONG SPA 04 H 13
 CONG SP WRITE H 10
- 23 A-1A
 EQ 43
 ENB 15

REV	CHANGES

FIRST USED ON OPTION MODEL		QTY	DESCRIPTION	PART NO.	ITEM NO.
11/05					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	PARTS LIST	
DECIMALS ANGLES		DATE	DATE	digital EQUIPMENT CORPORATION	
.XXX ± .005		DATE	DATE	TITLE	
.XX ± .02		DATE	DATE	DATA PATHS	
X ± .1		DATE	DATE	(DPC)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	DATE	MATERIAL	
NEXT HIGHER ASSY		SCALE		SIZE CODE	NUMBER
FINISH		SHEET		DCS	W7260-0-1
		OF 12		OIS1	REV
					M

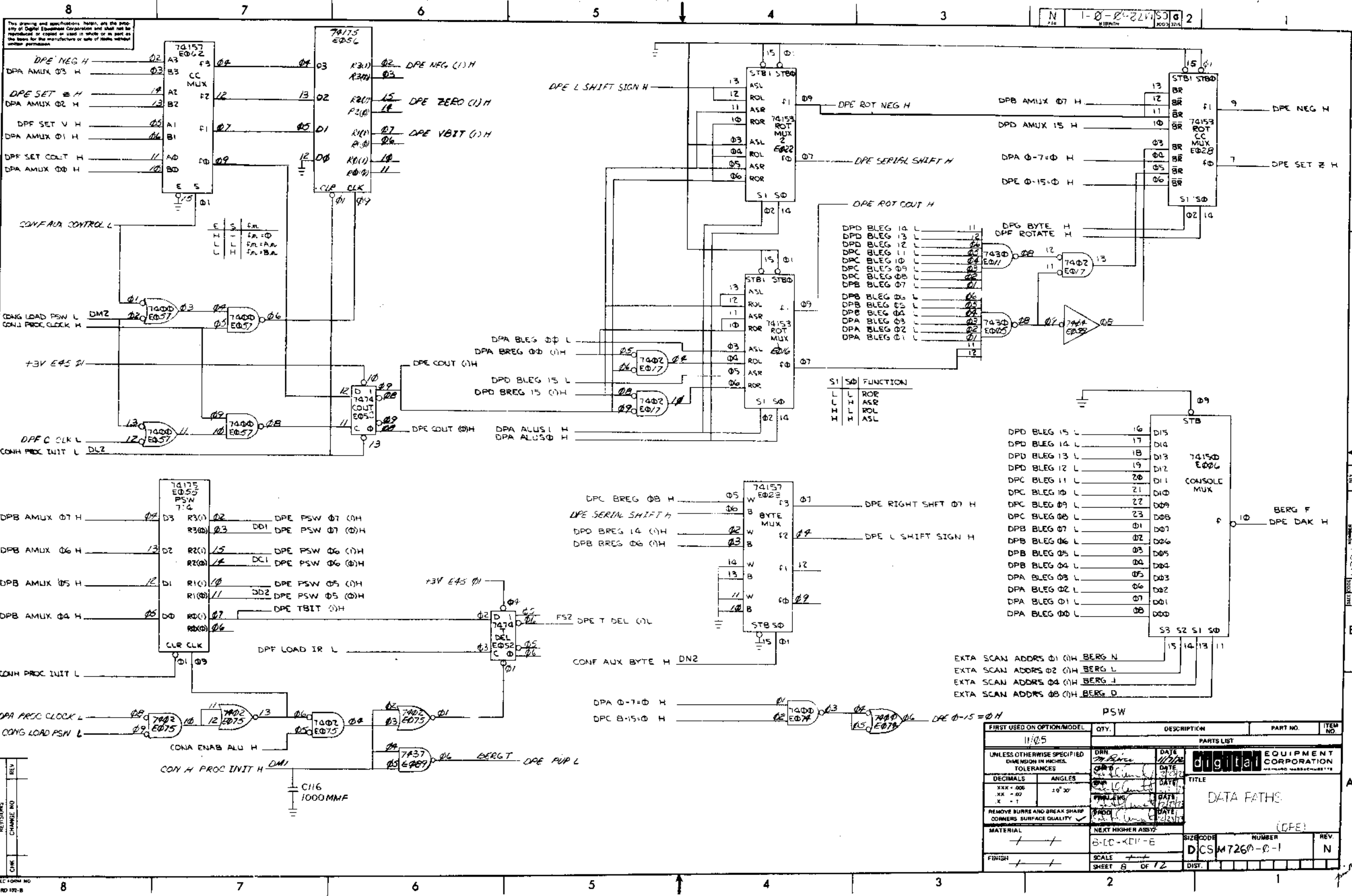


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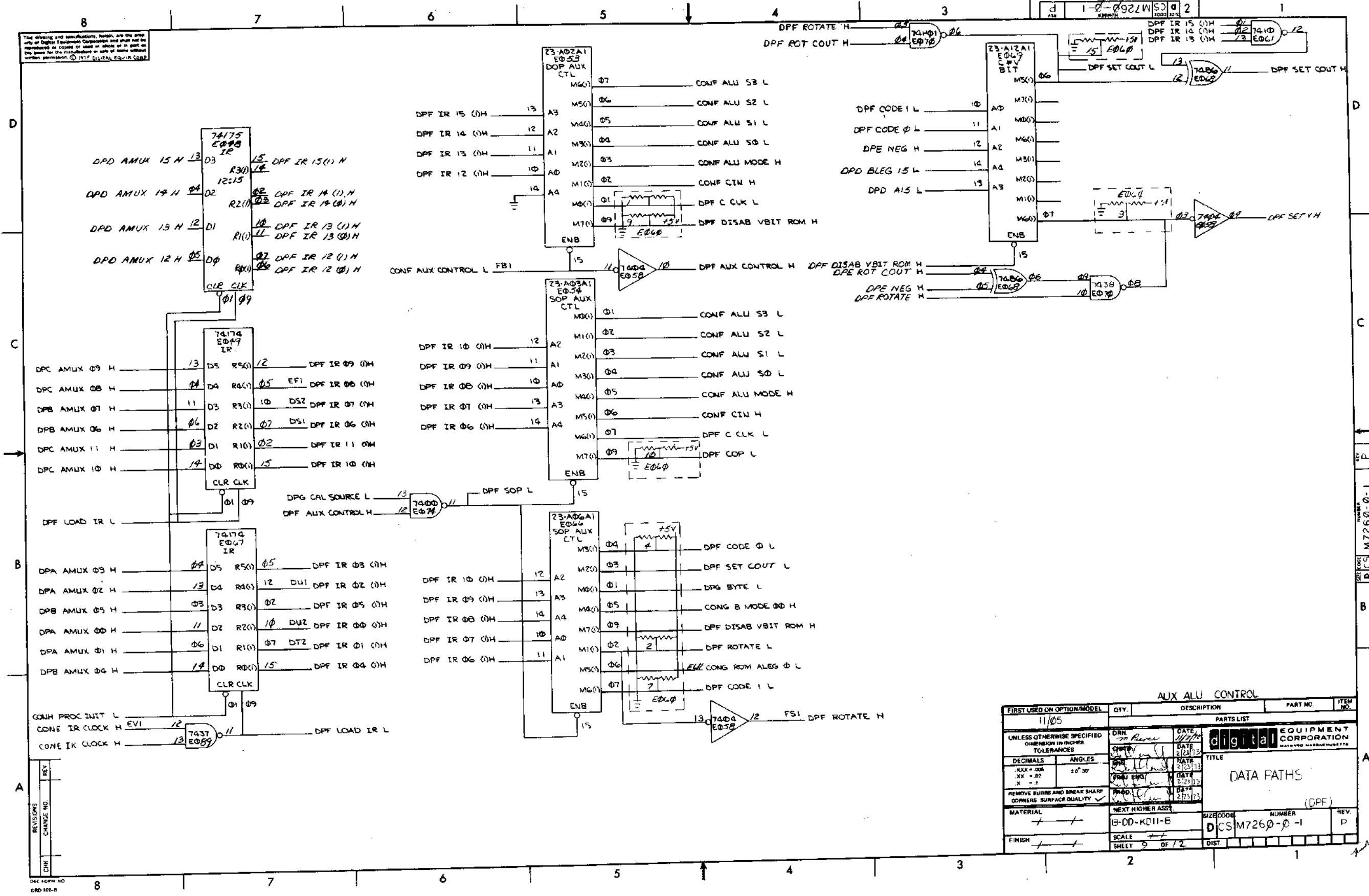
N 1-0-0921WSJ 2

REVISIONS
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FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
11/05				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
XXX - .005	7° 30'	DATA PATHS		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY	SIZE/CODE	NUMBER	REV
+	B-DD-KDII-8	DCS	M7260-0-1	N
FINISH	SCALE	SHEET	DIST	
+	7 OF	7		



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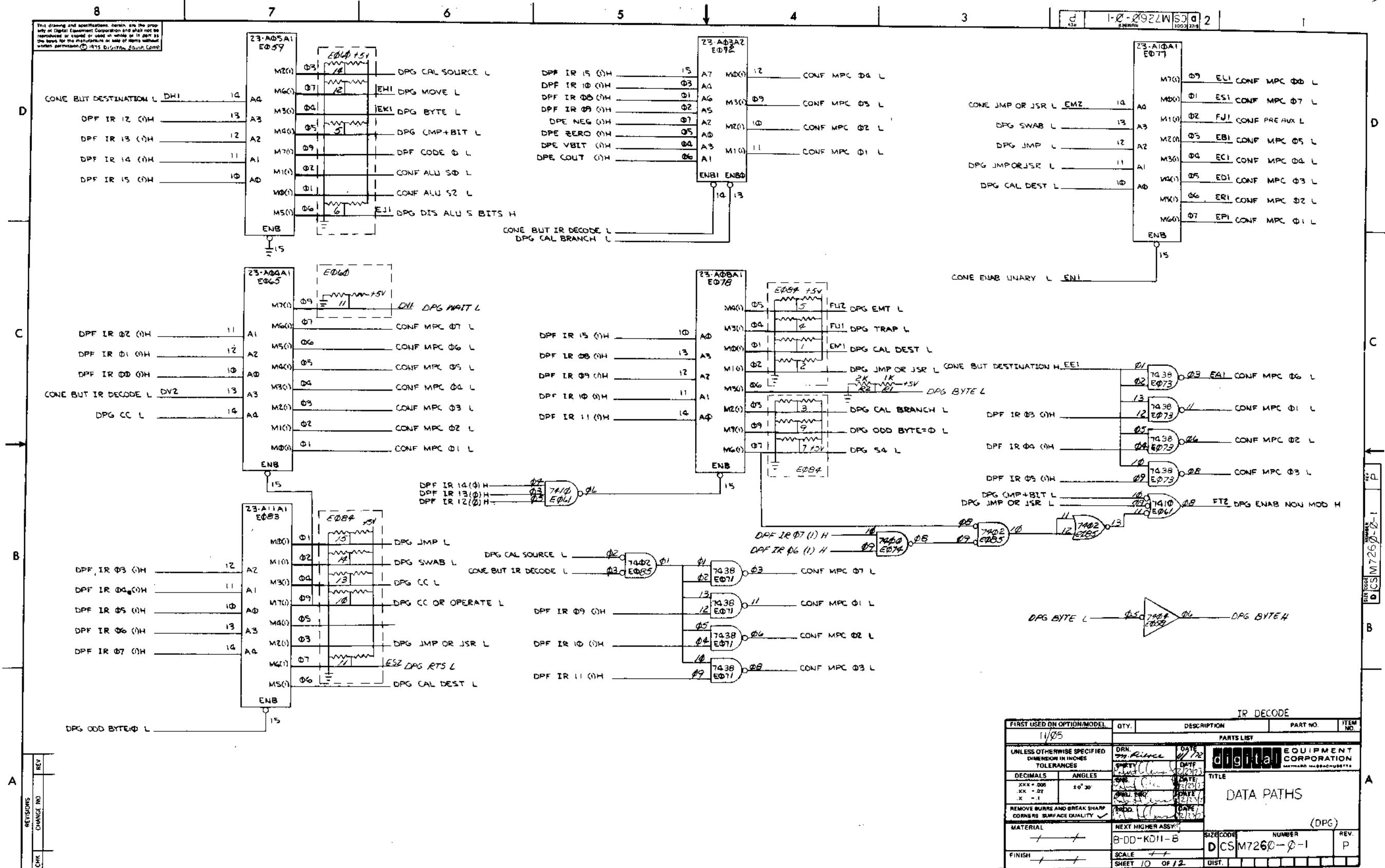
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES		DRN	DATE	PARTS LIST	
DECIMALS	ANGLES	DATE	digital EQUIPMENT CORPORATION		
XXX = .006	XX = .02	DATE	TITLE		
X = .1		DATE	DATA PATHS		
REMOVE BURRS AND BREAK SHARP EDGERS SURFACE QUALITY		DATE	NUMBER (DPF)		
MATERIAL	NEXT HIGHER ASSY	DATE	SIZE/COG	NUMBER	REV.
FINISH	B-DD-KD11-B	DATE	DCS	M7260-0-1	P
SCALE	SHEET 9 OF 12	DIST.			

REV.	CHANGE NO.	DATE	BY	CHK

PART NO. M7260-0-1
 SHEET 9 OF 12

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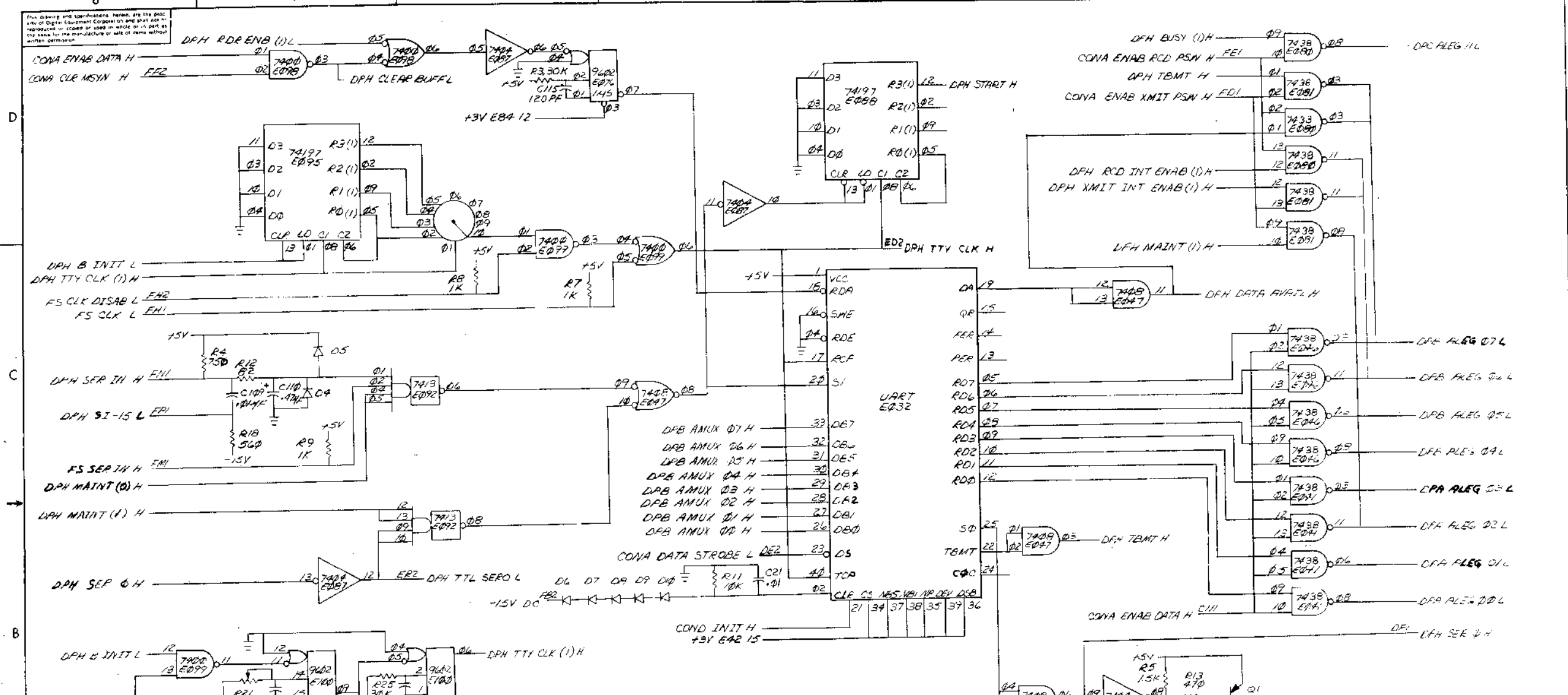
1-0-2022WSD 2



IR DECODE				
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/85				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN	DATE	DIGITAL EQUIPMENT CORPORATION
TOLERANCES		CHECKED	DATE	
DECIMALS	ANGLES	DATE	DATE	TITLE
XXX + .005	10° 30'	DATE	DATE	DATA PATHS
XX - .01		DATE	DATE	(DPG)
X - .1		DATE	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	DATE	
MATERIAL	NEXT HIGHER ASSY.	DATE	DATE	
FINISH	B-DD-KD11-B	DATE	DATE	
SCALE		DATE	DATE	
SHEET 10 OF 12		DATE	DATE	

REV.	CHG.	NO.	DATE

DEC FORM NO. DRG 101-0



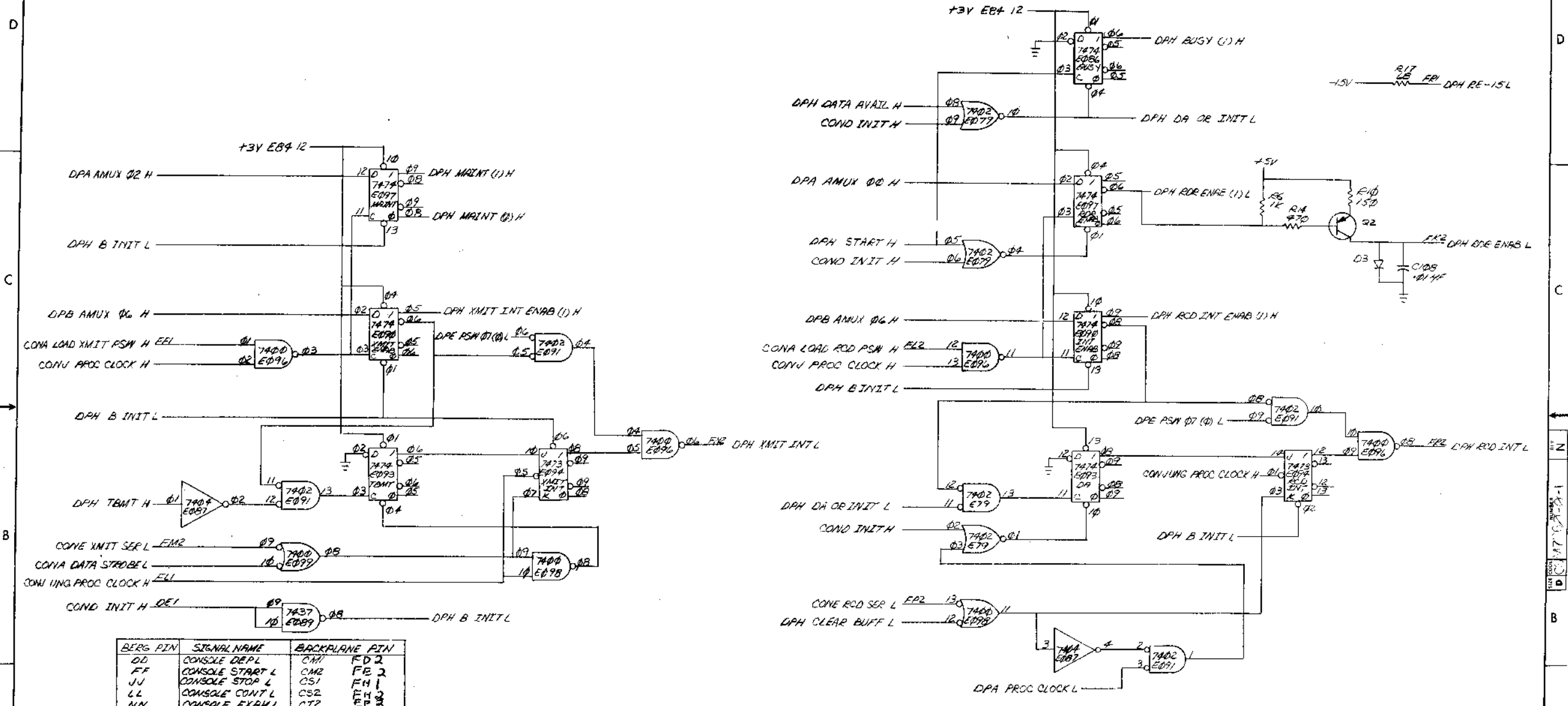
SWITCH POSITION	BAUD RANGE 1	BAUD RANGE 2
1	2400 B	1760 B
2	1200 B	880 B
3	600 B	440 B
4	300 B	220 B
5	150 B	110 B
TTY CLK (1) H	26 μs	33.5 μs

REVISIONS
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FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
11/05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DATE 12/1/72	digital CORPORATION EQUIPMENT	
DECIMALS	ANGLES	DATE 2/22/73	TITLE DATA PATH	
.XXX - .006	10' 30"	DATE 2/23/73	(DPH)	
.XX - .02		DATE 4/21/73		
X - .1		DATE 6/12/73		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY		DATE 6/12/73		
MATERIAL	NEXT HIGHER ASSY	SIZE CODE	NUMBER	REV
	B-DD-KD11-8	DCS	M7260-0-1	N
FINISH	SCALE	SHEET	OF	
		11	12	

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2-09217-50 2



BERG PIN	SIGNAL NAME	BACKPLANE PIN
DD	CONSOLE DEPL	CM1 FD 2
FF	CONSOLE START L	CM2 FE 2
JJ	CONSOLE STOP L	CS1 FH 1
LL	CONSOLE CONT L	CS2 FH 2
NN	CONSOLE EXAM L	CT2 FH 3
RR	CONSOLE LOAD L	CUR FH 4
TT	COMB RUN LAMP L	CUI (ETC)

PAGE CONE
↑
console cont


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11 0			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES			digital EQUIPMENT CORPORATION MILWAUKEE, WISCONSIN		
DECIMALS	ANGLES		TITLE		
XXX - 006			DATA PATH		
.XX - 02	± 0° 00'		(DPH1)		
X - 1			NEXT HIGHER ASSY		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			B-D-C-K11-B		
MATERIAL			SIZE CODE NUMBER REV.		
FINISH			DCS MT260-C-1 N		
SCALE			SHEET 12 OF 12		
DIST					

BRUNING 40-222 15840
REV. 1
CHK
CHANGE NO.
DLC FORM NO. DRD 102-B

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THIS FACE SHEET CONTAINS THE FOLLOWING CHIP PART NUMBERS

- PART NUMBER
- 23-A01A1
 - 23-A02A1
 - 23-A03A1
 - 23-A04A1
 - 23-A05A1
 - 23-A06A1
 - 23-A08A1
 - 23-A10A1
 - 23-A11A1
 - 23-A12A1
 - 23-A03A2

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
KDII-B				
PARTS LIST				
DRN. <i>C. Tschner</i>	DATE 5-8-72	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>		
CHK'D. <i>H.T.</i>	DATE			
ENG.	DATE			
PROJ. ENG.	DATE			
PROD.	DATE			
NEXT HIGHER ASSEMBLY E-DD-KDII-B				
SCALE <i>++</i>		TITLE DATA PATH ROM PATTERNS		
SHEET 1 OF 5		SIZE CODE K RL	NUMBER M7260-0-8	REV.
		DIST.		

REVISIONS	REV.
	CHANGE NO.
	CHK

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/( #Y8 (PIN #9) DPA ALEG 02 L
*/( #Y7 (PIN #7) DPA ALEG 03 L
**/( #Y6 (PIN #6) DPA ALEG 00 L
***/( #Y5 (PIN #5) DPA ALEG 01 L
****/( #Y4 (PIN #4) DPB ALEG 05 L
*****/( #Y3 (PIN #3) DPB ALEG 04 L
*****/( #Y2 (PIN #2) DPB ALEG 06 L
*****/( #Y1 (PIN #1) DPB ALEG 07 L
*****
OCTAL DECIMAL
ADDRESS ADDRESS EDCBA DATA
000 0 00000 11111111 377
001 1 00001 01001110 116 K#207 SNR ADDRESS I.E. 177570#000207, BAR
002 2 00010 01110011 163 K#64 RECVR. VECTOR
003 3 00011 00001111 017 K#360 CONDITION CODE MASK (CCM=1)
004 4 00100 10111011 273 K#30 EMT VECTOR
005 5 00101 00111111 077 K#14 T BIT VECTOR
006 6 00110 11111111 377
007 7 00111 11111111 377
010 8 01000 11111011 373 K#20 IOT VECTOR
011 9 01001 00111011 073 K#34 TRAP VECTOR
012 10 01010 11111111 377
013 11 01011 11111111 377
014 12 01100 10111111 277 K#10 RESERVED (ILLEGAL) INSTRUCTION VECTOR
015 13 01101 01111111 177 K#4 BUS ERROR OR STACK OVERFLOW ERROR
016 14 01110 11111111 377
017 15 01111 11111111 377
020 16 10000 01111011 173 K#24 PWR FAIL VECTOR
021 17 10001 11111111 377
022 18 10010 11111101 375 K#100 LCLK INT VECTOR
023 19 10011 11111111 377
024 20 10100 11111111 377
025 21 10101 11111111 377
026 22 10110 11111111 377
027 23 10111 11111111 377
030 24 11000 11111111 377
031 25 11001 11111111 377
032 26 11010 11111111 377
033 27 11011 11111111 377
034 28 11100 11111111 377
035 29 11101 11110011 363 K#50 TRANSMIT VECTOR
036 30 11110 11111111 377
037 31 11111 11111111 377
****
****/( A(PIN #10) IS CONG SP WRITE H
****/( B(PIN #11) IS CONG ROM SPA 00 H
****/( C(PIN #12) IS CONG ROM SPA 01 H
****/( D(PIN #13) IS CONG ROM SPA 02 H
****/( E(PIN #14) IS CONG ROM SPA 03 H

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/( #Y8 (PIN #9) DPF DISAB V BIT ROM H
*/( #Y7 (PIN #7) CONF ALU S3 L
**/( #Y6 (PIN #6) CONF ALU S2 L
***/( #Y5 (PIN #5) CONF ALU S1 L
****/( #Y4 (PIN #4) CONF ALU S0 L
*****/( #Y3 (PIN #3) CONF ALU MODE H
*****/( #Y2 (PIN #2) CONF CIN H
*****/( #Y1 (PIN #1) DPF C CLK L
*****
OCTAL DECIMAL
ADDRESS ADDRESS EDCBA DATA
000 0 00000 11111111 377
001 1 00001 10000101 205 MOV F#A
002 2 00010 01001010 112 CMP F#A MINUS B MINUS 1
003 3 00011 10001101 215 BIT F#AB
004 4 00100 10111101 275 BIC F#A, B#B
005 5 00101 10100101 245 BIS F#A#B
006 6 00110 00110000 060 ADD F#A PLUS B
007 7 00111 11111111 377 R1 (RESERVED INSTRUCTION)
010 8 01000 11111111 377 R1
011 9 01001 10000101 205 MOV(B)
012 10 01010 01001010 112 CMP(B)
013 11 01011 10001101 215 BIT(B)
014 12 01100 10111101 275 BIC(B)
015 13 01101 10100101 245 BIS(B)
016 14 01110 00110010 062 SUB F#A PLUS B
017 15 01111 11111111 377 R1
020 16 10000 00000000 000 NOT ACCESSED
021 17 10001 00000000 000 MOV = NOT ACCESSED
022 18 10010 00000000 000 CMP = NOT ACCESSED
023 19 10011 00000000 000 BIT = NOT ACCESSED
024 20 10100 00000000 000 BIC = NOT ACCESSED
025 21 10101 00000000 000 BIS = NOT ACCESSED
026 22 10110 00000000 000 ADD = NOT ACCESSED
027 23 10111 00000000 000 R1 = NOT ACCESSED
030 24 11000 00000000 000 R1 = NOT ACCESSED
031 25 11001 00000000 000 MOV(B) = NOT ACCESSED
032 26 11010 00000000 000 CMP(B) = NOT ACCESSED
033 27 11011 00000000 000 BIT(B) = NOT ACCESSED
034 28 11100 00000000 000 BIC(B) = NOT ACCESSED
035 29 11101 00000000 000 BIS(B) = NOT ACCESSED
036 30 11110 00000000 000 SUB = NOT ACCESSED
037 31 11111 00000000 000 R1 = NOT ACCESSED
****
****/( A(PIN #10) IS DPF IR 12 (1)H
****/( B(PIN #11) IS DPF IR 13 (1)H
****/( C(PIN #12) IS DPF IR 14 (1)H
****/( D(PIN #13) IS DPF IR 15 (1)H
****/( E(PIN #14) IS DPA RUN GND L

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/( *Y8 (PIN #9) DPF COP L
*/( *Y7 (PIN #7) DPF C CLK L
**/( *Y6 (PIN #6) CONF CIN H
***/( *Y5 (PIN #5) CONF ALU MODE H
****/( *Y4 (PIN #4) CONF ALU S0 L
*****/( *Y3 (PIN #3) CONF ALU S1 L
*****/( *Y2 (PIN #2) CONF ALU S2 L
*****/( *Y1 (PIN #1) CONF ALU S3 L
*****
OCTAL ADDRESS DECIMAL ADDRESS EDCBA ***** OCTAL DATA
000 0 00000 11111111 377
001 1 00001 11111111 377
002 2 00010 10011100 234 CLR ALUF=ZERO
003 3 00011 10101001 251 NEG CIN ALUF=A MINUS B MINUS 1
004 4 00100 10111111 277 ROR
005 5 00101 11111111 377
006 6 00110 11111111 377
007 7 00111 11111111 377
010 8 01000 11111111 377
011 9 01001 11111111 377
012 10 01010 11100000 340 INC CIN ALUF=A ARITH
013 11 01011 00101111 057 SBC CIN ALUF=A MINUS 1
014 12 01100 10110111 267 ASR
015 13 01101 11111111 377
016 14 01110 11111111 377
017 15 01111 11111111 377
020 16 10000 11111111 377
021 17 10001 11111111 377
022 18 10010 10010101 225 COM ALUF=NOT B
023 19 10011 00000000 000 AOC CIN ALUF=A ARITH
024 20 10100 10111011 273 ROL
025 21 10101 11111111 377
026 22 10110 11111111 377
027 23 10111 11111111 377
030 24 11000 10011010 232 SWAB NOT B CLOCK LOW
031 25 11001 11111111 377
032 26 11010 11101111 317 DEC CIN ALUF=A MINUS 1
033 27 11011 10010000 220 TST ALUF=A
034 28 11100 10110011 263 ASL
035 29 11101 11111111 377
036 30 11110 11111111 377
037 31 11111 11111111 377
*****
****/( A(PIN #10) IS DPF IR 08 (1)H
****/( B(PIN #11) IS DPF IR 09 (1)H
****/( C(PIN #12) IS DPF IR 10 (1)H
****/( D(PIN #13) IS DPF IR 07 (1)H
****/( E(PIN #14) IS DPF IR 06 (1)H

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/( *Y8 (PIN #9) DPG WAIT L
*/( *Y7 (PIN #7) CONF MPC 07 L
**/( *Y6 (PIN #6) CONF MPC 06 L
***/( *Y5 (PIN #5) CONF MPC 05 L
****/( *Y4 (PIN #4) CONF MPC 04 L
*****/( *Y3 (PIN #3) CONF MPC 03 L
*****/( *Y2 (PIN #2) CONF MPC 02 L
*****/( *Y1 (PIN #1) CONF MPC 01 L
*****
OCTAL ADDRESS DECIMAL ADDRESS EDCBA ***** OCTAL DATA
000 0 00000 11001011 313 CC OPR
001 1 00001 11001011 313 CC OPR
002 2 00010 11001011 313 CC OPR
003 3 00011 11001011 313 CC OPR
004 4 00100 11001011 313 CC OPR
005 5 00101 11001011 313 CC OPR
006 6 00110 11001011 313 CC OPR
007 7 00111 11001011 313 CC OPR
010 8 01000 11111111 377 RI (RESERVED INSTRUCTION)
011 9 01001 11111111 377 NOT ACCESSED FOR NOT IR DECODE
012 10 01010 11111111 377 RI
013 11 01011 11111111 377 RI
014 12 01100 11111111 377 RI
015 13 01101 11111111 377 RI
016 14 01110 11111111 377 RI
017 15 01111 11111111 377 RI
020 16 10000 11101111 357 HALT,BUT IR DEC
021 17 10001 01100110 146 WAIT,BUT IR DEC
022 18 10010 10100010 242 IOT
023 19 10011 10001000 210 RESET
024 20 10100 10110100 264 RTI
025 21 10101 11101101 355 BREAKPOINT TRAP DECODE
026 22 10110 11111111 377 RI
027 23 10111 11111111 377 RI
030 24 11000 11111111 377 RI
031 25 11001 01111111 177 WAIT,BUT IR DEC,BAR
032 26 11010 11111111 377 RI
033 27 11011 11111111 377 RI
034 28 11100 11111111 377 RI
035 29 11101 11111111 377 RI
036 30 11110 11111111 377 RI
037 31 11111 11111111 377 RI
*****
****/( A(PIN #10) IS DPF IR 08 (1)H
****/( B(PIN #11) IS DPF IR 02 (1)H
****/( C(PIN #12) IS DPF IR 01 (1)H
****/( D(PIN #13) IS DPG BUT IR DECODE L
****/( E(PIN #14) IS DPG CC L

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/( #Y8 (PIN #9) DPF CODE 0 L
*/( #Y7 (PIN #7) DPG MOVE L
**/( #Y6 (PIN #6) DPG DIS ALU S BITS H
***/( #Y5 (PIN #5) DPG CMP OR BIT L
****/( #Y4 (PIN #4) DPG BYTE L
*****/( #Y3 (PIN #3) DPG CAL SOURCE L
*****/( #Y2 (PIN #2) CONF ALU S0 L
*****/( #Y1 (PIN #1) CONF ALU S2 L
*****
OCTAL      DECIMAL      EDCBA      OCTAL
ADDRESS    ADDRESS
0000      0      00000      11011111      337      BR/CC (BRANCH OR CC OPERATOR)
0001      1      00001      11011111      337      BR/CC
0002      2      00010      11011011      333      BIC
0003      3      00011      11010011      323      BIC(B)
0004      4      00100      11001011      313      CMP
0005      5      00101      11000011      303      CMP(B)
0006      6      00110      01011011      133      ADD
0007      7      00111      01111000      170      SUB DIS ALU BITS H
0010      8      01000      10011011      233      MOV
0011      9      01001      10010011      223      MOV(B)
0012      10     01010      11011011      333      BIS
0013      11     01011      11010011      323      BIS(B)
0014      12     01100      11001011      313      BIT
0015      13     01101      11000011      303      BIT(B)
0016      14     01110      11011111      337      RI TRAP
0017      15     01111      11011111      337      RI TRAP
0020      16     10000      11011111      337      BR/CC
0021      17     10001      11011111      337      BR/CC
0022      18     10010      11011011      333      BIC
0023      19     10011      11010011      323      BIC(B)
0024      20     10100      11001011      313      CMP
0025      21     10101      11000011      303      CMP(B)
0026      22     10110      01011011      133      ADD
0027      23     10111      01010011      133      ADD
0030      24     11000      10011011      233      MOV
0031      25     11001      10010011      223      MOV(B)
0032      26     11010      11011011      333      BIS
0033      27     11011      11010011      323      BIS(B)
0034      28     11100      11001011      313      BIT
0035      29     11101      11000011      303      BIT(B)
0036      30     11110      11011111      337      RI TRAP
0037      31     11111      11011111      337      RI TRAP
*****
****/( A(PIN #10) IS DPF IR 15 (1)H
****/( B(PIN #11) IS DPF IR 14 (1)H
****/( C(PIN #12) IS DPF IR 13 (1)H
****/( D(PIN #13) IS DPF IR 12 (1)H
/( E(PIN #14) IS CONE OUT DESTINATION L
    
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/( #Y8 (PIN #9) DPF DISAB V BIT ROM H
*/( #Y7 (PIN #7) DPF CODE 1 L
**/( #Y6 (PIN #6) CONG ROM ALEG 0 L
***/( #Y5 (PIN #5) CONG B MDOE 00 H
****/( #Y4 (PIN #4) DPF CODE 0 L
*****/( #Y3 (PIN #3) DPF SET CARRY L
*****/( #Y2 (PIN #2) DPF ROTATE L
*****/( #Y1 (PIN #1) DPG BYTE L
*****
OCTAL      DECIMAL      EDCBA      OCTAL
ADDRESS    ADDRESS
0000      0      00000      11111111      377
0001      1      00001      11111111      377
0002      2      00010      11111111      377
0003      3      00011      10110110      266      SHAB DISAB V BIT ROM
0004      4      00100      11110101      365      RDR
0005      5      00101      11110101      365      ASM
0006      6      00110      11100101      345      ROL
0007      7      00111      11100101      345      ASL
0010      8      01000      10110111      267      CLH
0011      9      01001      00110111      067      INC
0012      10     01010      11110011      363      COH
0013      11     01011      00111111      077      DEC
0014      12     01100      00000001      001      SCC
0015      13     01101      11111111      377
0016      14     01110      11111111      377
0017      15     01111      11111111      377
0020      16     10000      00000001      001      BHI
0021      17     10001      11111111      377
0022      18     10010      11111111      377
0023      19     10011      11111111      377
0024      20     10100      00000001      001      BVS
0025      21     10101      11111111      377
0026      22     10110      11111111      377
0027      23     10111      11111111      377
0030      24     11000      01011111      137      NEG
0031      25     11001      00111111      077      SBC
0032      26     11010      00110111      067      ADC
0033      27     11011      11110111      367      TST
0034      28     11100      11111111      377
0035      29     11101      11111111      377
0036      30     11110      11111111      377
0037      31     11111      11111111      377
*****
****/( A(PIN #10) IS DPF IR 07 (1)H
****/( B(PIN #11) IS DPF IR 06 (1)H
****/( C(PIN #12) IS DPF IR 05 (1)H
****/( D(PIN #13) IS DPF IR 04 (1)H
/( E(PIN #14) IS DPF IR 03 (1)H
    
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/( *Y8 (PIN #9) DPG ODD BYTE * 0L
*/( *Y7 (PIN #7) DPG 54 L
**/( *Y6 (PIN #6) DPG BYTE L
***/( *Y5 (PIN #5) DPG EMT L
****/( *Y4 (PIN #4) DPG TRAP L
*****/( *Y3 (PIN #3) DPG CAL BRANCH L
*****/( *Y2 (PIN #2) DPG JSR L
*****/( *Y1 (PIN #1) DPG CAL DEST L
*****
OCTAL      OCTAL
ADDRESS    ADDRESS  EDCBA      DATA
000        0        00000      01111111  377
001        1        00001      11111011  373   BPL
002        2        00010      11111011  373   BGE
003        3        00011      11111011  373   BVC
004        4        00100      11111011  373   BNE
005        5        00101      11111011  373   BHI
006        6        00110      11111011  373   BGT
007        7        00111      11111011  373   BCC
010        8        01000      11111011  373   BR
011        9        01001      11111011  373   BHI
012       10        01010      11111011  373   BLT
013       11        01011      11111011  373   BVS
014       12        01100      11111011  373   BEQ
015       13        01101      11111011  373   BLOS
016       14        01110      11111011  373   BLE
017       15        01111      11111011  373   BCS
020       18        10000      11111100  374   JSR
021       17        10001      11101111  357   EMT
022       18        10010      11111110  376   SOP (CC) ROR/ROL/ASR/ASL
023       19        10011      11011110  336   OPR (DST) ROR(B)/ROL(B)/ASR(B)/ASL(B)
024       20        10100      11111110  376   SOP (CC) CLR/COM/INC/DEC
025       21        10101      11011110  336   OPR(DST) CLR(B)/COM(B)/INC(B)/DEC(B)
026       22        10110      11111111  377   RI RESERVED INST
027       23        10111      11111111  377   RI RESERVED INST
030       24        11000      11111100  374   JSR
031       25        11001      11110111  367   TRAP
032       26        11010      11111111  377   RI RESERVED INST
033       27        11011      11111111  377   RI RESERVED INST
034       28        11100      10111110  278   SOP NEG/ADC/SBC/TST
035       29        11101      10011110  236   OPR(DST) NEG(B)/ADC(B)/SBC(B)/TST(B)
036       30        11110      11111111  377   RI RESERVED INST
037       31        11111      11111111  377   RI RESERVED INST
*****
****/( A(PIN #10) IS DPG IR 15 (1)H
**/( B(PIN #11) IS DPG IR 10 (1)H
*/( C(PIN #12) IS DPG IR 09 (1)H
/( D(PIN #13) IS DPG IR 08 (1)H
/( E(PIN #14) IS DPG IR 11 (1)H

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/( *Y8 (PIN #9) CONF MPC 00 L
*/( *Y7 (PIN #7) CONF MPC 01 L
**/( *Y6 (PIN #6) CONF MPC 02 L
***/( *Y5 (PIN #5) CONF MPC 03 L
****/( *Y4 (PIN #4) CONF MPC 04 L
*****/( *Y3 (PIN #3) CONF MPC 05 L
*****/( *Y2 (PIN #2) CONF MPC 06 L
*****/( *Y1 (PIN #1) CONF MPC 07 L
*****
OCTAL      OCTAL
ADDRESS    ADDRESS  EDCBA      DATA
000        0        00000      11111111  377
001        1        00001      11111111  377
002        2        00010      11111111  377
003        3        00011      11111111  377
004        4        00100      11111111  377
005        5        00101      11111111  377
006        6        00110      11111111  377
007        7        00111      11111111  377
010        8        01000      11011111  337   JMP BADR TO J=1 #204
011        9        01001      11111111  377
012       10        01010      11011111  337   JMP BADR TO J=1 #204
013       11        01011      11111111  377
014       12        01100      10101111  257   JSR BADR TO J2=1 # 212
015       13        01101      11111111  377
016       14        01110      11111111  377   NOT JMP OR JSR FALL THRU TO D1=2 # 200
017       15        01111      11111111  377
020       18        10000      11111111  377
021       17        10001      11111111  377
022       18        10010      11111111  377
023       19        10011      11111111  377
024       20        10100      11111111  377
025       21        10101      11111111  377
026       22        10110      11010111  327   SWAB BADR 024 INCR NEXT
027       23        10111      11111111  377
030       24        11000      01101111  157   JMP BADR 011 INCR NEXT
031       25        11001      11111111  377
032       26        11010      01101111  157   JMP BADR 011 INCR NEXT
033       27        11011      11111111  377
034       28        11100      01101111  157   JSR BADR 011 INCR NEXT
035       29        11101      11111111  377
036       30        11110      11101110  356   SOP BADR 210 INCR NXT
037       31        11111      11110101  365   UNARY AND NOT JMP,JSR,SWAB
*****
****/( A(PIN #10) IS DPG CAL DEST L
**/( B(PIN #11) IS DPG JMP L OR JSR L
*/( C(PIN #12) IS DPG JMP L
/( D(PIN #13) IS DPG SWAB L
/( E(PIN #14) IS CONG JMP OR JSR L

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      / ( #Y8 (PIN #9) DPG CC OR OPERATE L
      * / ( #Y7 (PIN #7) DPG RTS L
      ** / ( #Y6 (PIN #6) DPG CAL DEST L
      *** / ( #Y5 (PIN #5)
      **** / ( #Y4 (PIN #4) DPG CC L
      ***** / ( #Y3 (PIN #3) DPG JMP L OR JSR L
      *****/ ( #Y2 (PIN #2) DPG SWAB L
      *****/ ( #Y1 (PIN #1) DPG JMP L
      *****
      OCTAL   DECIMAL   EDCBA   *****   OCTAL
      ADDRESS ADDRESS   DATA
000      0      00000  01111111  177   OPR(HALT/WAIT/RTI/BK/OT/TR)
001      1      00001  11111111  377   RI
002      2      00010  11111111  377   RI
003      3      00011  11111111  377   RI
004      4      00100  11111111  377   RI
005      5      00101  11111111  377   RI
006      6      00110  11111111  377   RI
007      7      00111  11111111  377   RI
010      8      01000  11011010  332   JMP MODE 0
011      9      01001  11011010  332   JMP MODE 4
012     10      01010  11011010  332   JMP MODE 2
013     11      01011  11011010  332   JMP MODE 6
014     12      01100  11011010  332   JMP MODE 1
015     13      01101  11011010  332   JMP MODE 5
016     14      01110  11011010  332   JMP MODE 3
017     15      01111  11011010  332   JMP MODE 7
020     16     10000  10111111  277   RTS NOT DPG CC OR OPR L
021     17     10001  01110111  167   CC OPR 240
022     18     10010  11111111  377   RI
023     19     10011  01110111  167   CC OPR 260
024     20     10100  11111111  377   RI
025     21     10101  01110111  167   CC OPR 240
026     22     10110  11111111  377   RI
027     23     10111  01110111  167   CC OPR 260
030     24     11000  11011101  335   SWAB MODE 0
031     25     11001  11011101  335   SWAB MODE 4
032     26     11010  11011101  335   SWAB MODE 2
033     27     11011  11011101  335   SWAB MODE 6
034     28     11100  11011101  335   SWAB MODE 1
035     29     11101  11011101  335   SWAB MODE 5
036     30     11110  11011101  335   SWAB MODE 3
037     31     11111  11011101  335   SWAB MODE 7
      *****
      *****/ ( A(PIN #10) IS DPF IR 05 (1)H
      *****/ ( B(PIN #11) IS DPF IR 04 (1)H
      ***/ ( C(PIN #12) IS DPF IR 03 (1)H
      */ ( D(PIN #13) IS DPF IR 06 (1)H
      / ( E(PIN #14) IS DPF IR 07 (1)H
  
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      / ( #Y8 (PIN #9)
      * / ( #Y7 (PIN #7) DPF SET V L
      ** / ( #Y6 (PIN #6) DPF SET COUT L
      *** / ( #Y5 (PIN #5)
      **** / ( #Y4 (PIN #4)
      *****/ ( #Y3 (PIN #3)
      *****/ ( #Y2 (PIN #2)
      *****/ ( #Y1 (PIN #1)
      *****
      OCTAL   DECIMAL   EDCBA   *****   OCTAL
      ADDRESS ADDRESS   DATA
000      0      00000  11011111  337   INC OR ADC
001      1      00001  10011111  237   ADD OR SUB
002      2      00010  10111111  277   DEC OR SBC
003      3      00011  11111111  377   CMP OR NEG
004      4      00100  11111111  377   INC OR ADC
005      5      00101  11011111  337   ADD OR SUB
006      6      00110  11111111  377   DEC OR SBC
007      7      00111  11011111  337   CMP OR NEG
010      8      01000  11111111  377   INC OR ADC
011      9      01001  11011111  337   ADD OR SUB
012     10      01010  11111111  377   DEC OR SBC
013     11      01011  11011111  337   CMP OR NEG
014     12      01100  10111111  277   INC OR ADC
015     13      01101  11111111  377   ADD OR SUB
016     14      01110  11011111  337   DEC OR SBC
017     15      01111  10011111  237   CMP OR NEG
020     16     10000  11011111  337   INC OR ADC
021     17     10001  11011111  337   ADD OR SUB
022     18     10010  10111111  277   DEC OR SBC
023     19     10011  10111111  277   CMP OR NEG
024     20     10100  11111111  377   INC OR ADC
025     21     10101  11111111  377   ADD OR SUB
026     22     10110  11111111  377   DEC OR SBC
027     23     10111  11111111  377   CMP OR NEG
030     24     11000  11111111  377   INC OR ADC
031     25     11001  11111111  377   ADD OR SUB
032     26     11010  11111111  377   DEC OR SBC
033     27     11011  11111111  377   CMP OR NEG
034     28     11100  10111111  277   INC OR ADC
035     29     11101  10111111  277   ADD OR SUB
036     30     11110  11011111  337   DEC OR SBC
037     31     11111  11011111  337   CMP OR NEG
      *****
      *****/ ( A(PIN #10) IS DPF CODE 1 DEL (1)L
      *****/ ( B(PIN #11) IS DPF CODE 0 DEL (1)L
      ***/ ( C(PIN #12) IS DPE NEG DEL (1)H
      */ ( D(PIN #13) IS DPD ALEG 15 DEL (1)L
      / ( E(PIN #14) IS DPD BLEG 15 DEL (1)L
  
```

/* Y4 (PIN # 9) CONF MPC 03 L
*// Y3 (PIN #10) CONF MPC 02 L
**/ Y2 (PIN #11) CONF MPC 01 L
***/ Y1 (PIN #12) CONF MPC 04 L

OCTAL ADDRESS	DECIMAL ADDRESS	HEXCODE	OCTAL DATA
000	0	00000000	1111 017
001	1	00000001	1111 017
002	2	00000010	1111 017
003	3	00000011	1111 017
004	4	00000100	1111 017
005	5	00000101	1111 017
006	6	00000110	1111 017
007	7	00000111	1111 017
010	8	00001000	1111 017
011	9	00001001	1111 017
012	10	00001010	1111 017
013	11	00001011	1111 017
014	12	00001100	1111 017
015	13	00001101	1111 017
016	14	00001110	1111 017
017	15	00001111	1111 017
020	16	00010000	0011 003
021	17	00010001	0011 003
022	18	00010010	0011 003
023	19	00010011	0011 003
024	20	00010100	0101 005
025	21	00010101	0101 005
026	22	00010110	0101 005
027	23	00010111	0101 005
030	24	00011000	0101 005
031	25	00011001	0101 005
032	26	00011010	0101 005
033	27	00011011	0101 005
034	28	00011100	0011 003
035	29	00011101	0011 003
036	30	00011110	0011 003
037	31	00011111	0011 003

NOT ACCESSED

HGE

040	32	00100000	0011 003
041	33	00100001	0101 005
042	34	00100010	0011 003
043	35	00100011	0101 005
044	36	00100100	0011 003
045	37	00100101	0101 005
046	38	00100110	0011 003
047	39	00100111	0101 005
050	40	00101000	0011 003
051	41	00101001	0101 005
052	42	00101010	0011 003
053	43	00101011	0101 005
054	44	00101100	0011 003
055	45	00101101	0101 005
056	46	00101110	0011 003
057	47	00101111	0101 005
060	48	00110000	0011 003
061	49	00110001	0101 005
062	50	00110010	0011 003
063	51	00110011	0101 005
064	52	00110100	0101 005
065	53	00110101	0101 005
066	54	00110110	0101 005
067	55	00110111	0101 005
070	56	00111000	0101 005
071	57	00111001	0101 005
072	58	00111010	0101 005
073	59	00111011	0101 005
074	60	00111100	0011 003
075	61	00111101	0101 005
076	62	00111110	0011 003
077	63	00111111	0101 005

HNE

HGT

*// A (PIN #05) IS DPE CC ZERO (1)H
*// B (PIN #06) IS DPE CC GOUT (1)H
*// C (PIN #07) IS DPE CC NEG (1)H
*// D (PIN #04) IS DPE CC VBIT (1)H
*// E (PIN #03) IS DPF IR 10 (1)H
*// F (PIN #02) IS DPF IR 09 (1)H
*// G (PIN #01) IS DPF IR 08 (1)H
*// H (PIN #15) IS DPF IR 15 (1)H

```

OCTAL DECIMAL
ADDRESS ADDRESS  HGFEDCBA
100      64  01000000  0011  003
101      65  01000001  0011  003
102      66  01000010  0011  003
103      67  01000011  0011  003
104      68  01000100  0011  003
105      69  01000101  0011  003
106      70  01000110  0011  003
107      71  01000111  0011  003
110      72  01001000  0011  003
111      73  01001001  0011  003
112      74  01001010  0011  003
113      75  01001011  0011  003
114      76  01001100  0011  003
115      77  01001101  0011  003
116      78  01001110  0011  003
117      79  01001111  0011  003
120      80  01010000  0101  005
121      81  01010001  0101  005
122      82  01010010  0101  005
123      83  01010011  0101  005
124      84  01010100  0011  003
125      85  01010101  0011  003
126      86  01010110  0011  003
127      87  01010111  0011  003
130      88  01011000  0011  003
131      89  01011001  0011  003
132      90  01011010  0011  003
133      91  01011011  0011  003
134      92  01011100  0101  005
135      93  01011101  0101  005
136      94  01011110  0101  005
137      95  01011111  0101  005

```

BR (ALWAYS)

BLT

```

140      96  01100000  0101  005
141      97  01100001  0011  003
142      98  01100010  0101  005
143      99  01100011  0011  003
144     100  01100100  0101  005
145     101  01100101  0011  003
146     102  01100110  0101  005
147     103  01100111  0011  003
150     104  01101000  0101  005
151     105  01101001  0011  003
152     106  01101010  0101  005
153     107  01101011  0011  003
154     108  01101100  0101  005
155     109  01101101  0011  003
156     110  01101110  0101  005
157     111  01101111  0011  003
160     112  01110000  0101  005
161     113  01110001  0011  003
162     114  01110010  0101  005
163     115  01110011  0011  003
164     116  01110100  0011  003
165     117  01110101  0011  003
166     118  01110110  0011  003
167     119  01110111  0011  003
170     120  01111000  0011  003
171     121  01111001  0011  003
172     122  01111010  0011  003
173     123  01111011  0011  003
174     124  01111100  0101  005
175     125  01111101  0011  003
176     126  01111110  0101  005
177     127  01111111  0011  003

```

BEO

BLE

```

*****
*****/( A(PIN #05) IS DPE CC ZERO (1)H
*****/( B(PIN #06) IS DPE CC COUT (1)H
*****/( C(PIN #07) IS DPE CC NEG (1)H
*****/( D(PIN #04) IS DPE CC VBIT (1)H
****/( E(PIN #03) IS DPF IR 10 (1)H
**/( F(PIN #02) IS DPF IR 09 (1)H
*/( G(PIN #01) IS DPF IR 08 (1)H
/( H(PIN #15) IS DPF IR 15 (1)H

```



```

/* WY4 (PIN # 9) CONF MPC 03 L
*/ WY3 (PIN #10) CONF MPC 02 L
**/ WY2 (PIN #11) CONF MPC 01 L
***// WY1 (PIN #12) CONF MPC 04 L

```

OCTAL ADDRESS	DECIMAL ADDRESS	HEXEDCBA	OCTAL DATA
200	128	10000000	0011 003
201	129	10000001	0011 003
202	130	10000010	0011 003
203	131	10000011	0011 003
204	132	10000100	0101 005
205	133	10000101	0101 005
206	134	10000110	0101 005
207	135	10000111	0101 005
210	136	10001000	0011 003
211	137	10001001	0011 003
212	138	10001010	0011 003
213	139	10001011	0011 003
214	140	10001100	0101 005
215	141	10001101	0101 005
216	142	10001110	0101 005
217	143	10001111	0101 005
220	144	10010000	0011 003
221	145	10010001	0011 003
222	146	10010010	0011 003
223	147	10010011	0011 003
224	148	10010100	0011 003
225	149	10010101	0011 003
226	150	10010110	0011 003
227	151	10010111	0011 003
230	152	10011000	0101 005
231	153	10011001	0101 005
232	154	10011010	0101 005
233	155	10011011	0101 005
234	156	10011100	0101 005
235	157	10011101	0101 005
236	158	10011110	0101 005
237	159	10011111	0101 005

WPL

WYC

240	160	10100000	0011 003
241	161	10100001	0101 005
242	162	10100010	0101 005
243	163	10100011	0101 005
244	164	10100100	0011 003
245	165	10100101	0101 005
246	166	10100110	0101 005
247	167	10100111	0101 005
250	168	10101000	0011 003
251	169	10101001	0101 005
252	170	10101010	0101 005
253	171	10101011	0101 005
254	172	10101100	0011 003
255	173	10101101	0101 005
256	174	10101110	0101 005
257	175	10101111	0101 005
260	176	10110000	0011 003
261	177	10110001	0011 003
262	178	10110010	0101 005
263	179	10110011	0101 005
264	180	10110100	0011 003
265	181	10110101	0011 003
266	182	10110110	0101 005
267	183	10110111	0101 005
270	184	10111000	0011 003
271	185	10111001	0011 003
272	186	10111010	0101 005
273	187	10111011	0101 005
274	188	10111100	0011 003
275	189	10111101	0011 003
276	190	10111110	0101 005
277	191	10111111	0101 005

BHI

BCC

```

*****
*****// A(PIN #05) IS DPE CC ZERO (1)H
*****// B(PIN #06) IS DPE CC COUT (1)H
*****// C(PIN #07) IS DPE CC NEG (1)H
*****// D(PIN #04) IS DPE CC VBIT (1)H
*****// E(PIN #03) IS DPF IR 10 (1)H
**// F(PIN #02) IS DPF IR 09 (1)H
*/ G(PIN #01) IS DPF IR 08 (1)H
/( H(PIN #15) IS DPF IR 15 (1)H

```

```

/( *Y4 (PIN # 9) CONF MPC 03 L
*/( *Y3 (PIN #10) CONF MPC 02 L
**/( *Y2 (PIN #11) CONF MPC 01 L
***/( *Y1 (PIN #12) CONF MPC 04 L

```

OCTAL ADDRESS	DECIMAL ADDRESS	HEXDECIMAL	OCTAL DATA
300	192	11000000	0101 005
301	193	11000001	0101 005
302	194	11000010	0101 005
303	195	11000011	0101 005
304	196	11000100	0011 003
305	197	11000101	0011 003
306	198	11000110	0011 003
307	199	11000111	0011 003
310	200	11001000	0101 005
311	201	11001001	0101 005
312	202	11001010	0101 005
313	203	11001011	0101 005
314	204	11001100	0011 003
319	209	11001101	0011 003
316	206	11001110	0011 003
317	207	11001111	0011 003
320	200	11010000	0101 005
321	201	11010001	0101 005
322	210	11010010	0101 005
323	211	11010011	0101 005
324	212	11010100	0101 005
325	213	11010101	0101 005
326	214	11010110	0101 005
327	215	11010111	0101 005
330	218	11011000	0011 003
331	217	11011001	0011 003
332	216	11011010	0011 003
333	215	11011011	0011 003
334	220	11011100	0011 003
335	221	11011101	0011 003
336	222	11011110	0011 003
337	223	11011111	0011 003

BMI

BVS

340	224	11100000	0101 005
341	225	11100001	0011 003
342	226	11100010	0011 003
343	227	11100011	0011 003
344	228	11100100	0101 005
345	229	11100101	0011 003
346	230	11100110	0011 003
347	231	11100111	0011 003
350	232	11101000	0101 005
351	233	11101001	0011 003
352	234	11101010	0011 003
353	235	11101011	0011 003
354	236	11101100	0101 005
355	237	11101101	0011 003
356	238	11101110	0011 003
357	239	11101111	0011 003
360	240	11110000	0101 005
361	241	11110001	0101 005
362	242	11110010	0011 003
363	243	11110011	0011 003
364	244	11110100	0101 005
365	245	11110101	0101 005
366	246	11110110	0011 003
367	247	11110111	0011 003
370	248	11111000	0101 005
371	249	11111001	0101 005
372	250	11111010	0011 003
373	251	11111011	0011 003
374	252	11111100	0101 005
375	253	11111101	0101 005
376	254	11111110	0011 003
377	255	11111111	0011 003

BLOS

BOS

```

*****
*****/( A(PIN #05) IS DPE CC ZERO (1)M
*****/( B(PIN #06) IS DPE CC COUT (1)M
*****/( C(PIN #07) IS DPE CC NEG (1)M
*****/( D(PIN #04) IS DPE CC VBIT (1)M
***/( E(PIN #03) IS DPF IR 10 (1)M
***/( F(PIN #02) IS DPF IR 09 (1)M
*/( G(PIN #01) IS DPF IR 08 (1)M
/( H(PIN #15) IS DPF IR 15 (1)M

```

PAGE REVISION CONTROL SHEET

SH NO	PAGE REVISIONS													REMARKS
1	H	J	K	L	M	N	P	R	S	T	U	V	W	<p>*ETCH REVD NOT TO BE USED PER ORDER D.E.</p> <p>**ECO #14 APPLIED TO ETCH REVD AND E BOARDS ONLY</p> <p>**ECO #14 & 18 APPLIED TO ETCH REV C AND E BOARDS ONLY. SEE SPECIAL PAGE REV. CONTROL SHEET APPLICABLE TO ETCH REV.</p>
2	H	J	R	L	M	M	N	R	S	T	U	U	U	
3	H	H	H	H	H	H	H	R	R	R	R	R	R	
4	H	H	H	H	H	H	H	R	R	S	S	S	S	
5	H	H	J	J	J	J	J	R	R	R	R	S	S	
6	H	H	J	J	J	K	K	R	R	R	R	R	R	
7	H	H	J	J	J	J	J	R	R	S	S	S	S	
8	H	H	H	H	H	H	H	R	R	R	R	R	R	
9	H	H	U	J	J	J	J	R	R	R	R	R	R	
10	H	J	U	K	L	L	M	R	R	R	R	R	R	
11	H	H	J	K	K	K	K	R	R	R	S	T	T	
12	H	H	J	J	K	K	K	R	R	R	R	S	S	
13	H	H	J	J	K	K	K	R	S	S	S	S	S	
14	H	H	H	H	H	H	H	R	R	R	R	R	R	

ETCH REV	C	U	E*	E	E	E	E	F	F	F	F	F	*
ECO NO.	5	6	7	8	9	10	11	12	13	15	16	17	*

FIRST USED ON OPTION/MODEL

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DRAWN	DATE
<i>L. M. ...</i>	8/16/72
CHK'D	DATE
<i>M. T. ...</i>	8/21/72
ENG.	DATE
<i>[Signature]</i>	8/31/72
PROJ. ENG.	DATE
<i>[Signature]</i>	8/31/72
PROD.	DATE
<i>M. T. ...</i>	8/21/72

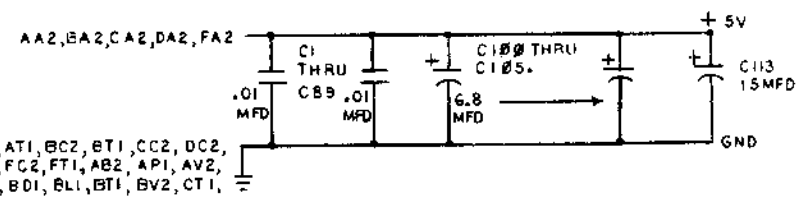
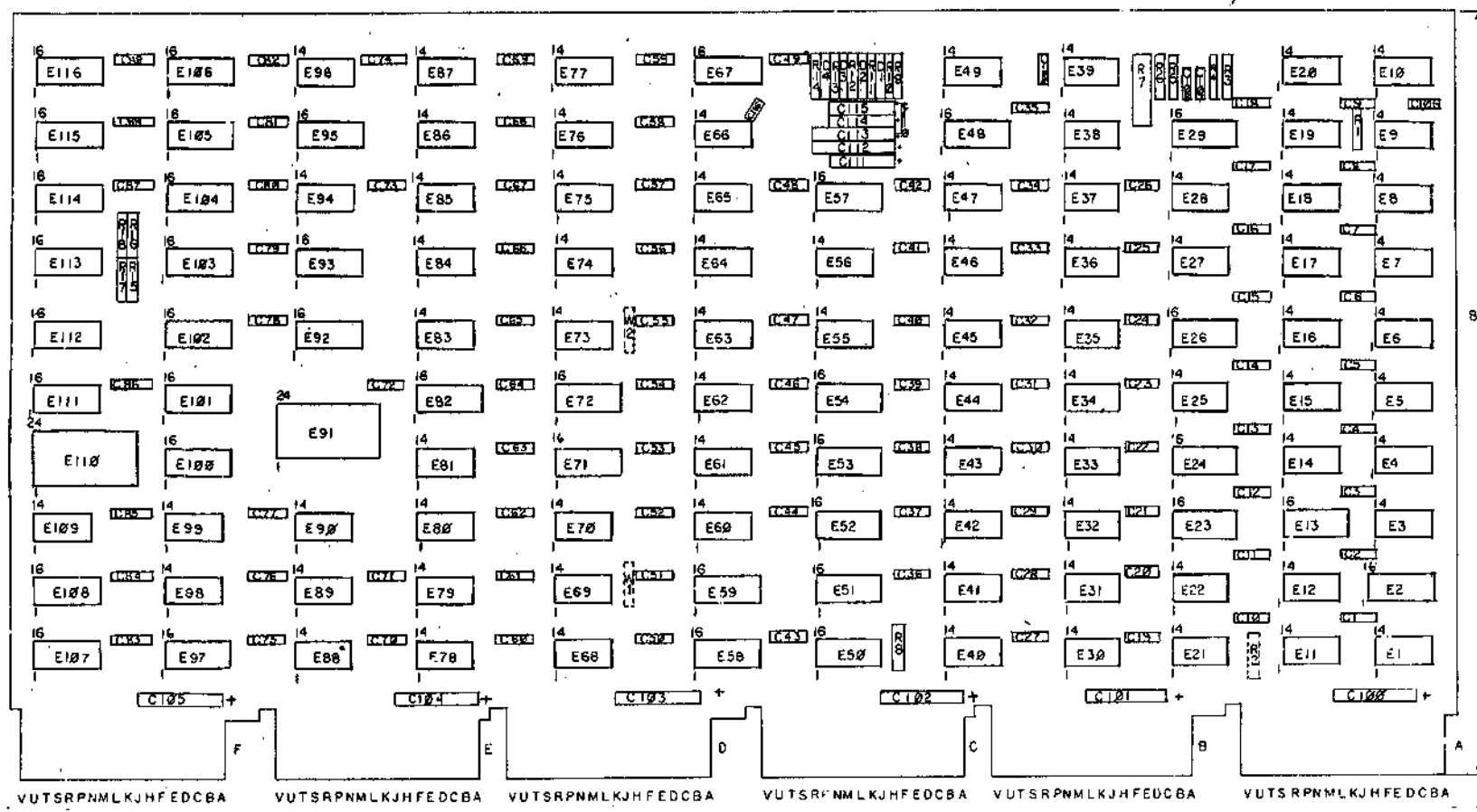
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
CONTROL LOGIC
AND MICROPROGRAM

NEXT HIGHER ASSY.	SIZE	CODE	NUMBER	REV.
	B	CS	M7261-0-1	W
SCALE				
SHEET 1 OF 14	DIST.			

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NOTE: UNLESS OTHERWISE NOTED, RESISTANCE IS IN OHMS. CAPACITANCE IS IN PICOFARADS. * DEC 8640'S WERE PHASED IN AS 380 REPLACEMENTS. ANY 380 FAILURES SHOULD BE REPLACED BY 8640'S.

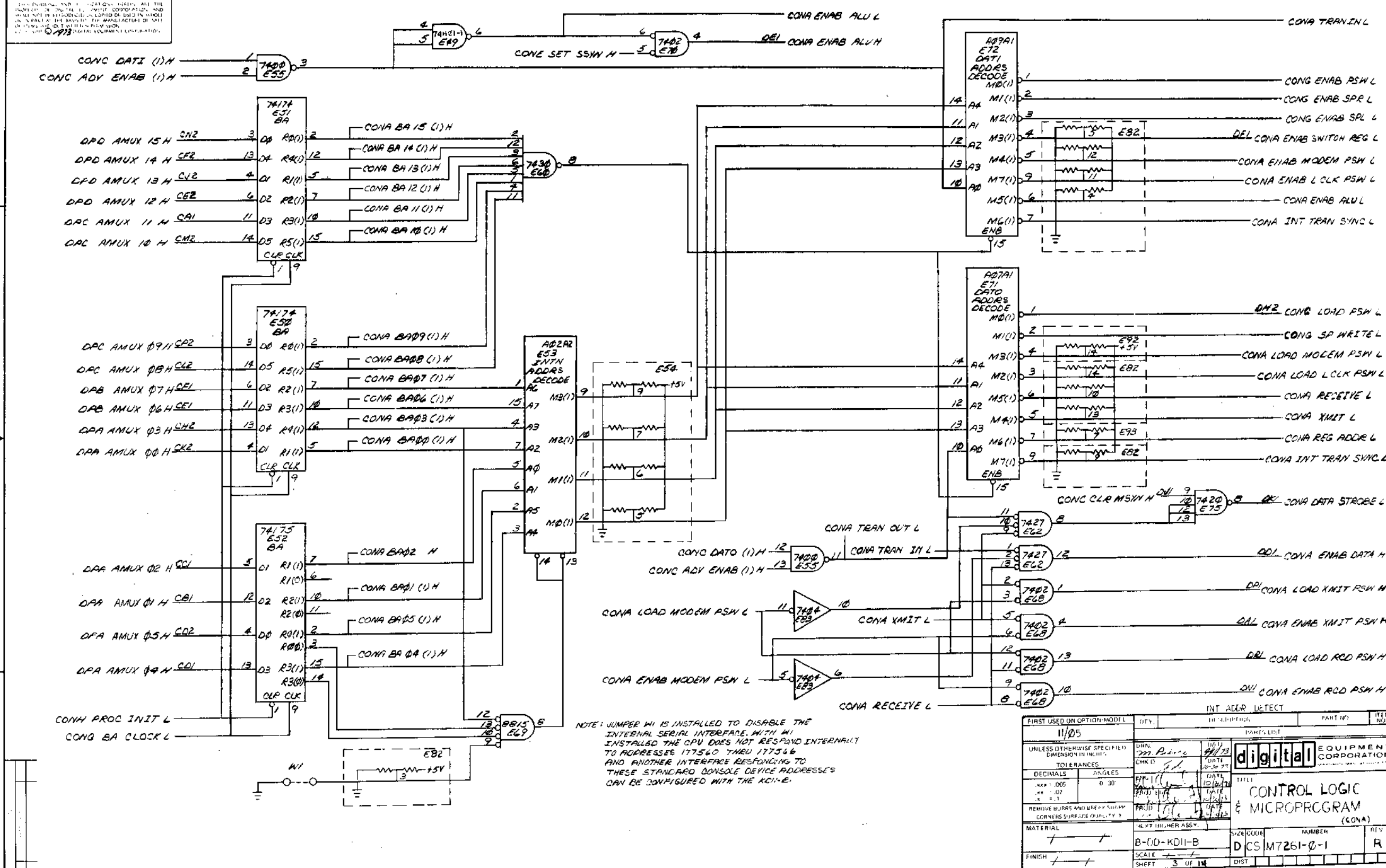


QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
6	C100 THRU C105	CAPACITOR, 6.8 MFD, 35V, 10% S.TA	1009306	69
89	C1 THRU C89	CAPACITOR, .01 MFD, 100V, 20% DIS	1001610	68
2	C114, 115	CAPACITOR, .01 MFD, 35V, 10% S.TA	1009964	67
1	C113	CAPACITOR, 15MFD, 20V, 10% S.TA	1004812	66
1	C112	CAPACITOR, 10MFD, 20V, 10% S.TA	1004813	65
1	C111	CAPACITOR, 2.2MFD, 20V, 10% S.TA	1002627	64
1	C110	CAPACITOR, 220 PF, 100V, 5% DM	1000021	63
1	C109	CAPACITOR, 120 PF, 100V, 5% DM	1000018	62
2	C108, C116	CAPACITOR, 1000 PF, 100V, 5% DM	1000042	61
1	C107	CAPACITOR, 2200 PF, 250V, 20% DIS	1000055	60
1	C106	CAPACITOR, 470 PF, 100V, DM	1000084	59
4	D1, 2, 3, 4	DIODE, P664	1100114	58
2	R4, R8	RESISTOR, 390, 1/4W, 5%	1300309	57
1	R14	RESISTOR, 56K, 1/4W, 5%	1301874	56
1	R11	RESISTOR, 10K, 1/4W, 5%	1300479	55
1	R7	RESISTOR, 1K, 3/4W, 10% POT.	1309143-07	54
6	R4, 5, 9, 10, 12, 13	RESISTOR, 39K, 1/4W, 5%	1302394	53
3	R3, 16, 18	RESISTOR, 1K, 1/4W, 5%	1300365	52
6	E5, 82, 92, 93, 95, 100	RESISTOR NETWORK	1311003-02	51
1	R1	RESISTOR, 150, 1/4W, 5%	1300250	50
2	R15, 17	RESISTOR, 2K, 1/4W, 5%	1302388	48
				47
				46
1	E24	IC A01A2	23A01A2	45
1	E116	IC A19A2	23A19A2	44
1	E115	IC A13A2	23A13A2	43
1	E114	IC A11A2	23A11A2	42
1	E113	IC A10A2	23A10A2	41
1	E112	IC A10A2	23A10A2	40
1	E108	IC A14A1	23A14A1	39
1	E107	IC A09A2	23A09A2	38
1	E106	IC A17A2	23A17A2	37
1	E105	IC A16A2	23A16A2	36
1	E104	IC A05A2	23A05A2	35
1	E103	IC A20A2	23A20A2	34
1	E102	IC A04A2	23A04A2	33
1	E72	IC A09A1	23A09A1	32
1	E71	IC A07A1	23A07A1	31
1	E53	IC A02A2	23A02A2	30
2	E91, 110	IC DEC 74154	1909701	29
1	E89	IC DEC 7405	1909930	28
1	E61	IC DEC 7410	1905576	27
1	E60	IC DEC 7430	1905579	26
2	E58, 59	IC DEC 74153	1909937	25
3	E50, 51, 97	IC DEC 74174	1910652	24
3	E49, 78, 109	IC DEC 74H01-1	1909849	23
2	E46, 62	IC DEC 7427	1910878	22
2	E45, 69	IC DEC 8815	1909713	21
1	E39	IC DEC 7413	1909389	20
2	E34, 75	IC DEC 7420	1905577	19
4	E29, 48, 87, 67	IC DEC 9602	1910951	18
4	E25, 63, 83, 90	IC DEC 7404	1909686	17
7	E20, 28, 36, 73, 76, 87, 98	IC DEC 7474	1905647	16
1	E17	IC DEC 7437	1910091	15
3	E12, 22, 32	IC DEC 6640	1911468	14
4	E10, 64, 61, 84	IC DEC 74H40	1905586	13
10	E9, 27, 37, 47, 55, 64, 80, 85, 93	IC DEC 7400	1905575	12
13	E6, 14, 18, 19, 33, 35, 38, 68, 70, 74, 77, 88, 94	IC DEC 7402	1909004	11
9	E4, 7, 8, 15, 16, 44, 56, 65, 86	IC DEC 7473	1905587	10
3	E3, 5, 79	IC DEC 7408	1910155	9
7	E2, 13, 23, 26, 52, 101, 111	IC DEC 74175	1910651	8
9	E1, 11, 21, 30, 31, 40 THRU 43	IC DEC 8881	1909705	7
12		EYELET	9006732	6
1		HANDLE, MODULE	E-PS-1210711-02	5
1		ETCHED CIRCUIT BOARD	5009745	4
REF		MODULE ECO HISTORY	B-MH-M7261-0-5	3
REF		ASSY/DRILL HOLE LAYOUT	D-MH-M7261-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M7261-0-4	1

REVISION	DATE	DESCRIPTION
1	9-5-73	TRANSISTOR & DIODE CONVERSION CHART
2	11-30-73	REVISED
3	1-2-74	REVISED

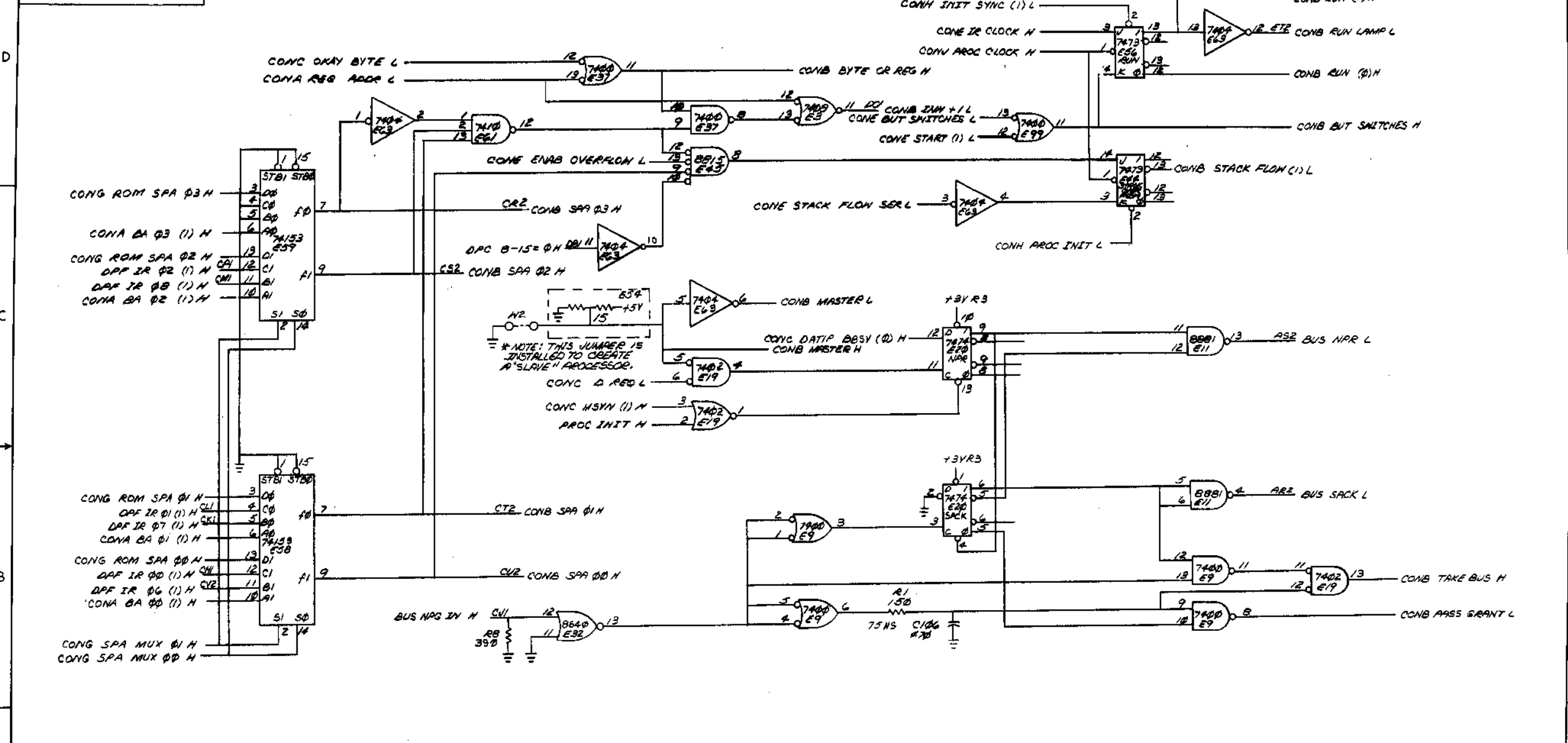
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11-30-73	MA54	IN	IN	1
1-2-74				2
11-30-73				3

DATE	BY	CHKD	APP'D	REV
11-30-73				1
1-2-74				2
11-30-73				3



FIRST USED ON OPTION/MODEL	DWG.	DATE	REV.
11/05	11/05	11/05	1
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.			
TOLERANCES			
DECIMALS	ANGLES		
±.005	0° 30'		
±.01			
REMOVE BURRS AND BURET SWAMP CORNERS SURFACE QUALITY 3			
MATERIAL	NEXT HIGHER ASSY.		
FINISH	SCALE		
	SHEET 3 OF 14		
PART NO.		ITEM NO.	
D CS M7261-0-1		R	
TITLE			
CONTROL LOGIC & MICROPROGRAM (CONA)			
PARTS LIST			
digital EQUIPMENT CORPORATION			

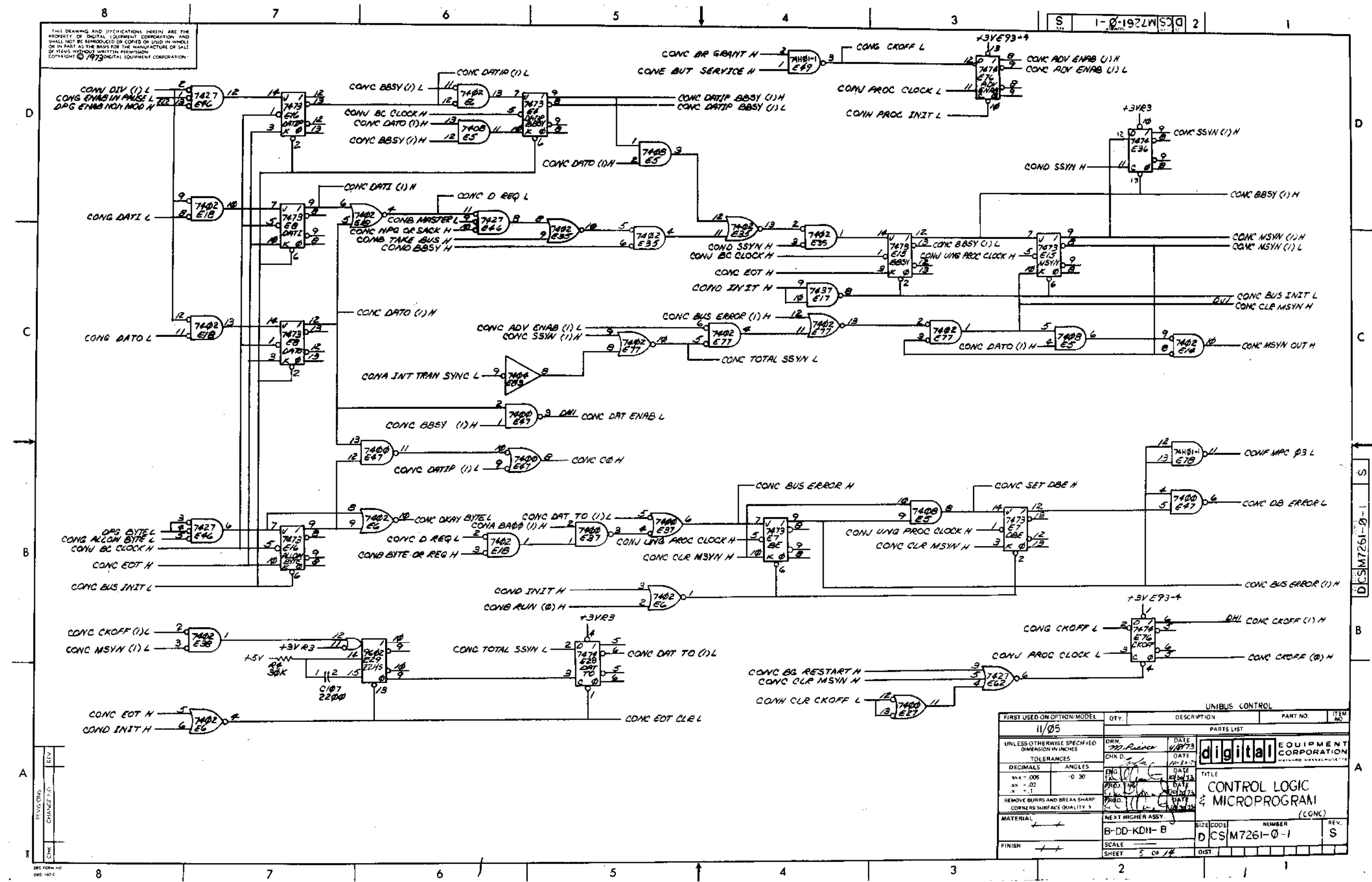
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REV	1
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
1105		STACKFLOW & SPM		
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN: <i>m. Rince</i> DATE: 4/13/73 CHK'D: DATE: 10/24/73 ENG: DATE: 10/24/73 PAB: DATE: 10/24/73 PBD: DATE: 10/24/73		
TOLERANCES DECIMALS ANGLES		TITLE: CONTROL LOGIC & MICROPROGRAM (CONB) REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		
MATERIAL		NEXT HIGHER ASSY.		
FINISH		B-DD-KD11-B		
SCALE		SIZE CODE: DCS M7261-0-1		
SHEET 4 OF 4		NUMBER: S		

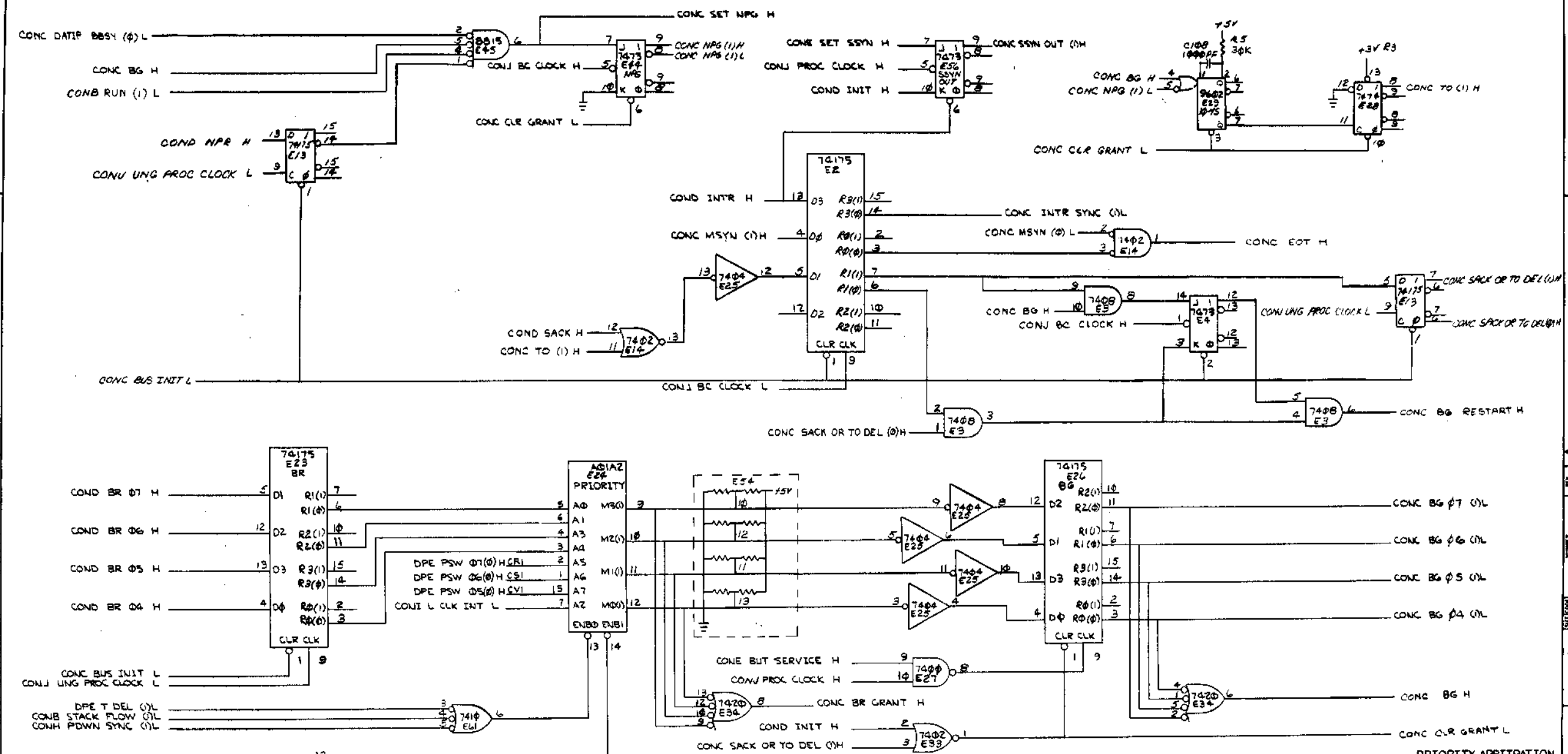
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REV. CHANGES

UNIBUS CONTROL			
FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO. ITEM NO.
11/05			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES			
DECIMALS	ANGLES	DATE	digital EQUIPMENT CORPORATION CONTROL LOGIC & MICROPROGRAM (CONC)
1/32	30'	11/05	
1/64		11/05	
1/128		11/05	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 7			
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH	B-DD-KOH-B	D CS M7261-0-1	S
SCALE	SHEET 5 OF 14	DIST.	

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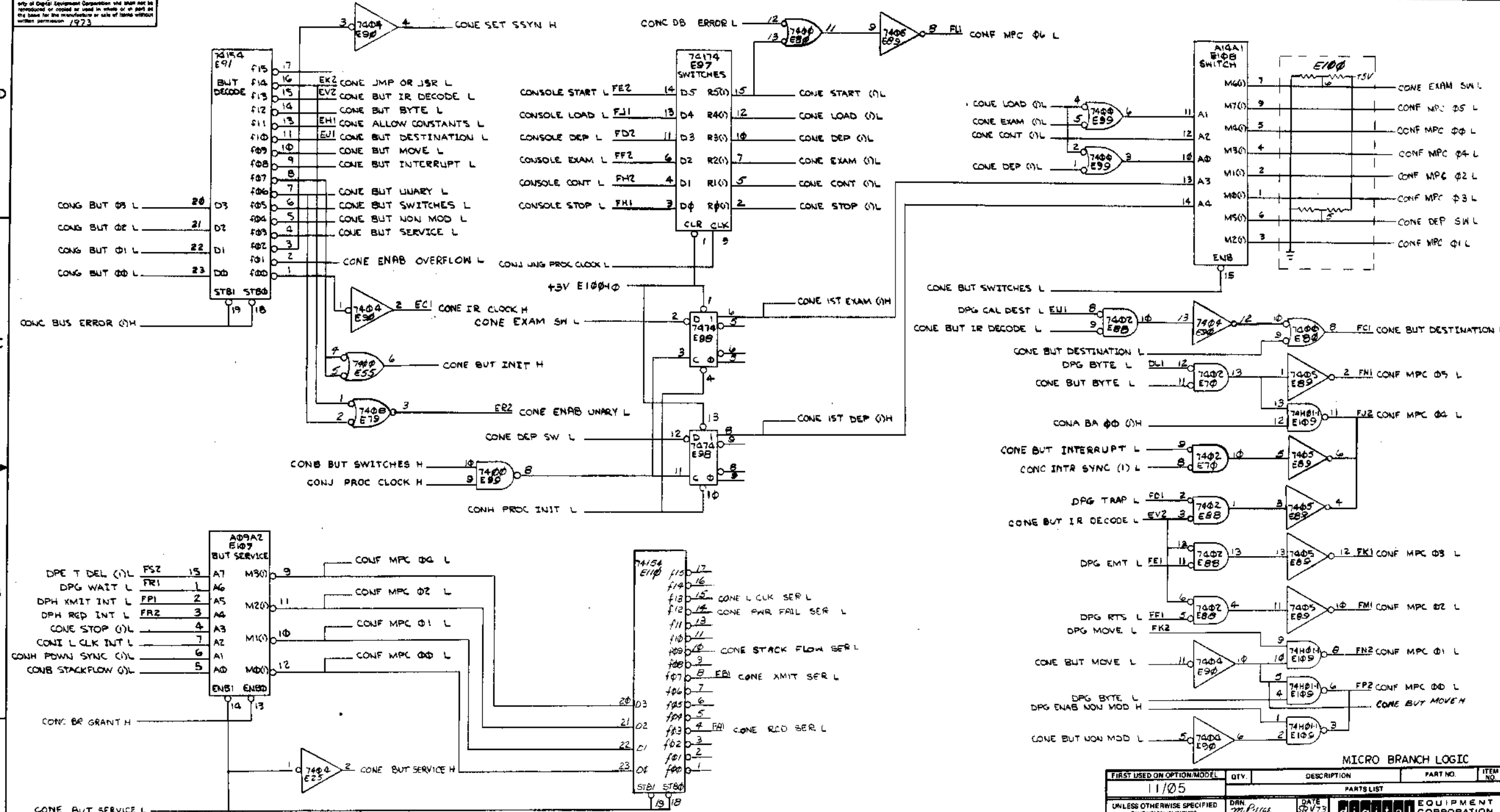


REVISIONS
CHANGE NO. REV

CHG	NO.	REV

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.				
TOLERANCES				
DECIMALS	ANGLES	TITLE		
XXX - 000	10° 30'	CONTROL LOGIC & MICROPROGRAM (CONC)		
XX - 02				
X - 1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY:				
FINISH				

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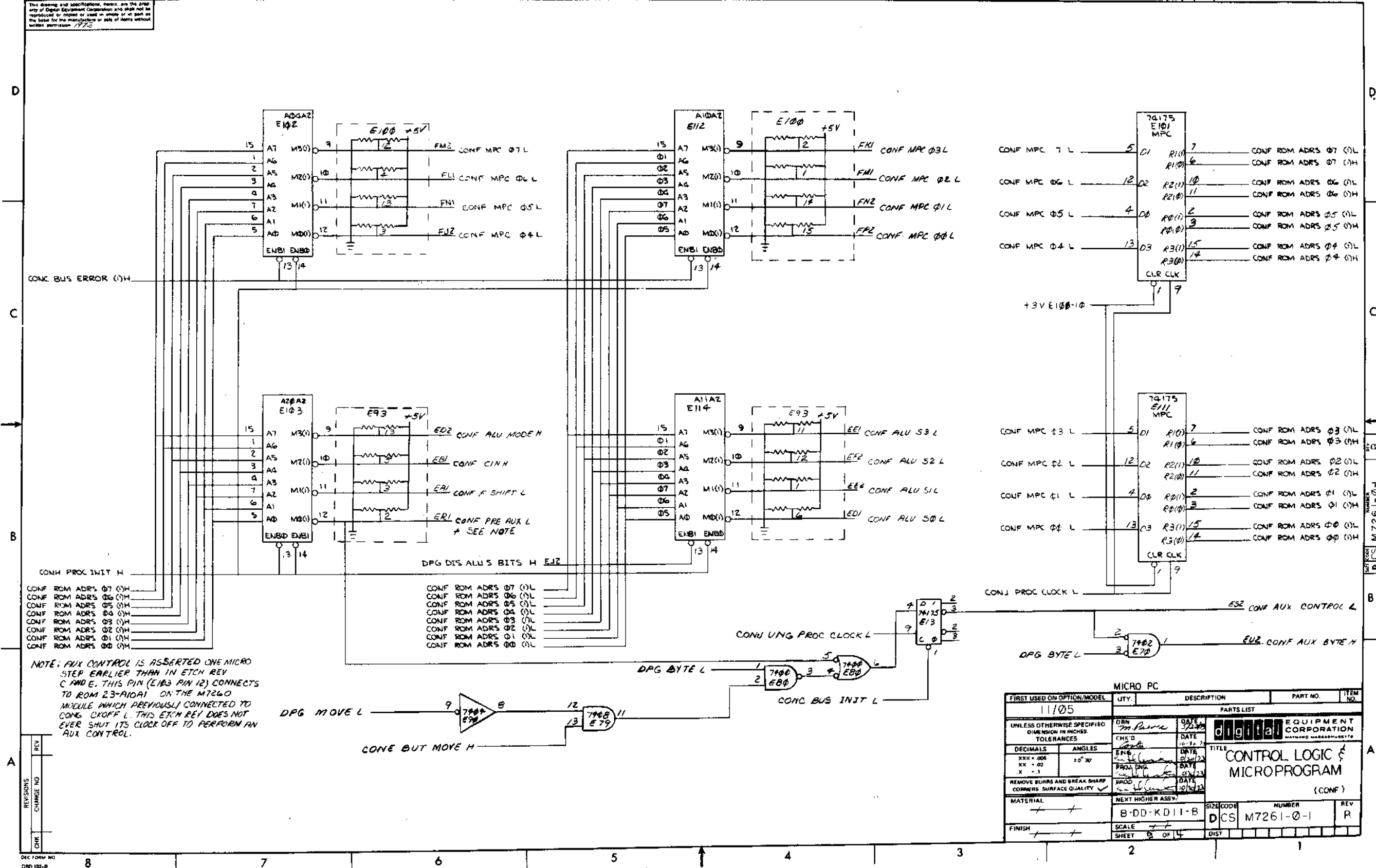


FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE	TITLE	
XXX = .006	10' 30"	DRN <i>Tom Pines</i>	digital EQUIPMENT CORPORATION CONTROL LOGIC & MICROPROGRAM (CONE)	
XX = .02		CHKD <i>[Signature]</i>		
X = .1		DATE 10-20-73		
		DATE 10-20-73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL		NEXT HIGHER ASSY.		
FINISH		SCALE		
		SHEET B OF 14		

REV.	CHG. NO.	DESCRIPTION

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REV 1 1-0-1972 W 2



- CONF ROM ADRS 07 (H)
- CONF ROM ADRS 06 (H)
- CONF ROM ADRS 05 (H)
- CONF ROM ADRS 04 (H)
- CONF ROM ADRS 03 (H)
- CONF ROM ADRS 02 (H)
- CONF ROM ADRS 01 (H)
- CONF ROM ADRS 00 (H)

- CONF ROM ADRS 07 (L)
- CONF ROM ADRS 06 (L)
- CONF ROM ADRS 05 (L)
- CONF ROM ADRS 04 (L)
- CONF ROM ADRS 03 (L)
- CONF ROM ADRS 02 (L)
- CONF ROM ADRS 01 (L)
- CONF ROM ADRS 00 (L)

- CONF MPC 7 L
- CONF MPC 06 L
- CONF MPC 05 L
- CONF MPC 04 L

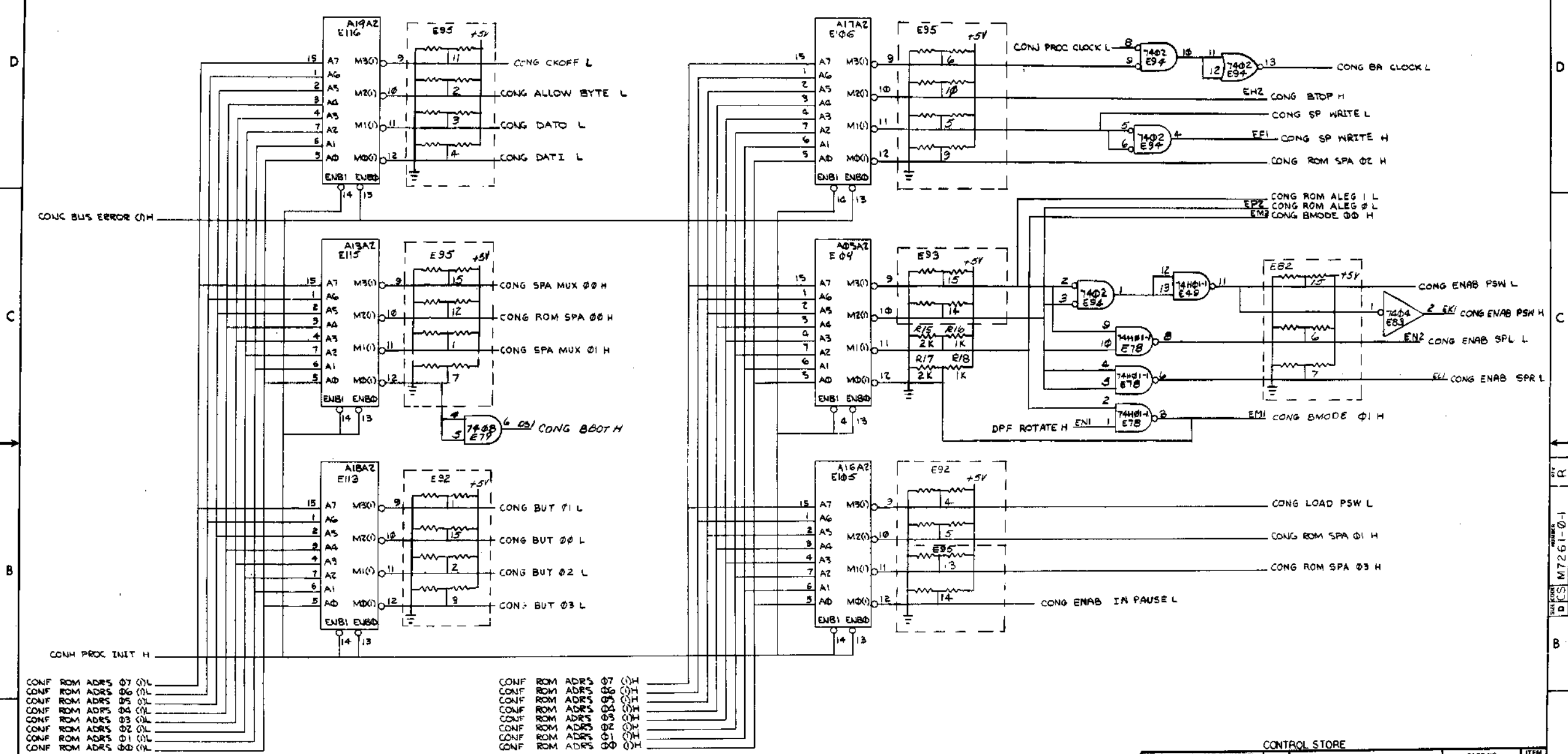
- CONF MPC 03 L
- CONF MPC 02 L
- CONF MPC 01 L
- CONF MPC 00 L

NOTE: AUX CONTROL IS ASSERTED ONE MICRO STEP EARLIER THAN IN ETCH REV C AND E. THIS PIN (E103 PIN 12) CONNECTS TO ROM 23-A10A1 ON THE M7260 MODULE WHICH PREVIOUSLY CONNECTED TO CONG CROFF L. THIS ETCH REV DOES NOT EVER SHUT ITS CLOCK OFF TO PERFORM AN AUX CONTROL.

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11105					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN	DATE	PARTS LIST	
DECIMALS	ANGLES	CHK'D	DATE	digital EQUIPMENT CORPORATION	
XXX + .006	± 0° 30'	ENG	DATE	TITLE	
XX - .02		PROJ. ENG.	DATE	CONTROL LOGIC & MICROPROGRAM	
X - .1		BRD.	DATE	(CONF)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH		B-DD-KD11-B		DCS	M7261-0-1
		SCALE	SHEET	DIST	REV
		OF 4			R

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R 1-0-192LW 2 1



- CONF ROM ADRES Q7 Q/L
- CONF ROM ADRES Q6 Q/L
- CONF ROM ADRES Q5 Q/L
- CONF ROM ADRES Q4 Q/L
- CONF ROM ADRES Q3 Q/L
- CONF ROM ADRES Q2 Q/L
- CONF ROM ADRES Q1 Q/L
- CONF ROM ADRES Q0 Q/L
- CONF ROM ADRES Q7 Q/H
- CONF ROM ADRES Q6 Q/H
- CONF ROM ADRES Q5 Q/H
- CONF ROM ADRES Q4 Q/H
- CONF ROM ADRES Q3 Q/H
- CONF ROM ADRES Q2 Q/H
- CONF ROM ADRES Q1 Q/H
- CONF ROM ADRES Q0 Q/H

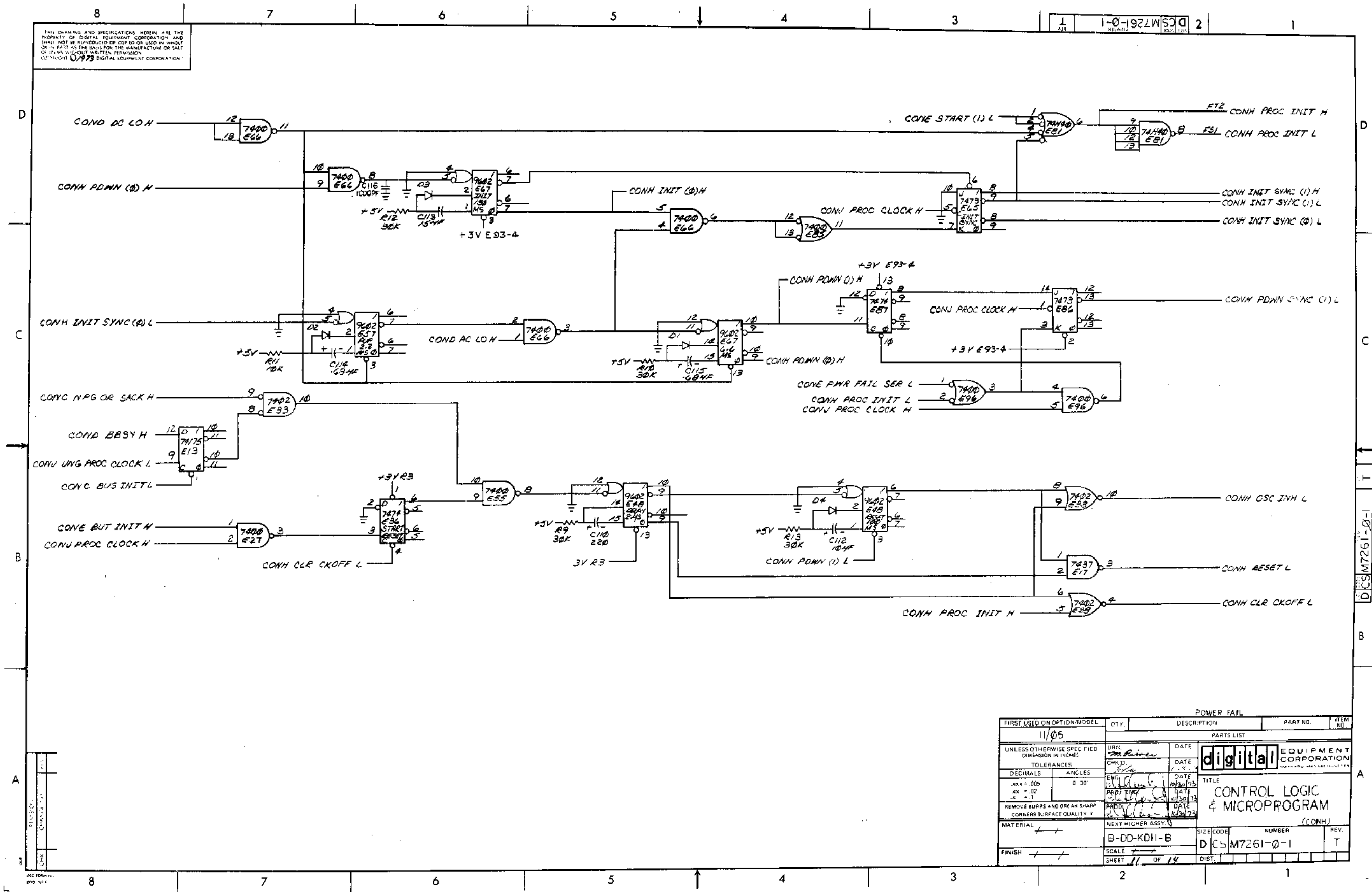
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	DATE	DATE	digital EQUIPMENT CORPORATION	
.XXX - .005	10' 30'	CHK'D	DATE	CONTROL LOGIC & MICROPROGRAM	
.XX - .02		DATE	DATE	(CONG)	
X - .1		PROD	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL	NEXT HIGHER ASSY	SCALE	SIZE CODE	NUMBER	REV
	B-DD-KD11-B	SCALE	D/CS	M7261-0-1	R
FINISH	SHEET 10 OF 14	DIST.			

REV	CHG	NO

DEC FORM NO. 040 100-9

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DCS M7261-0-1



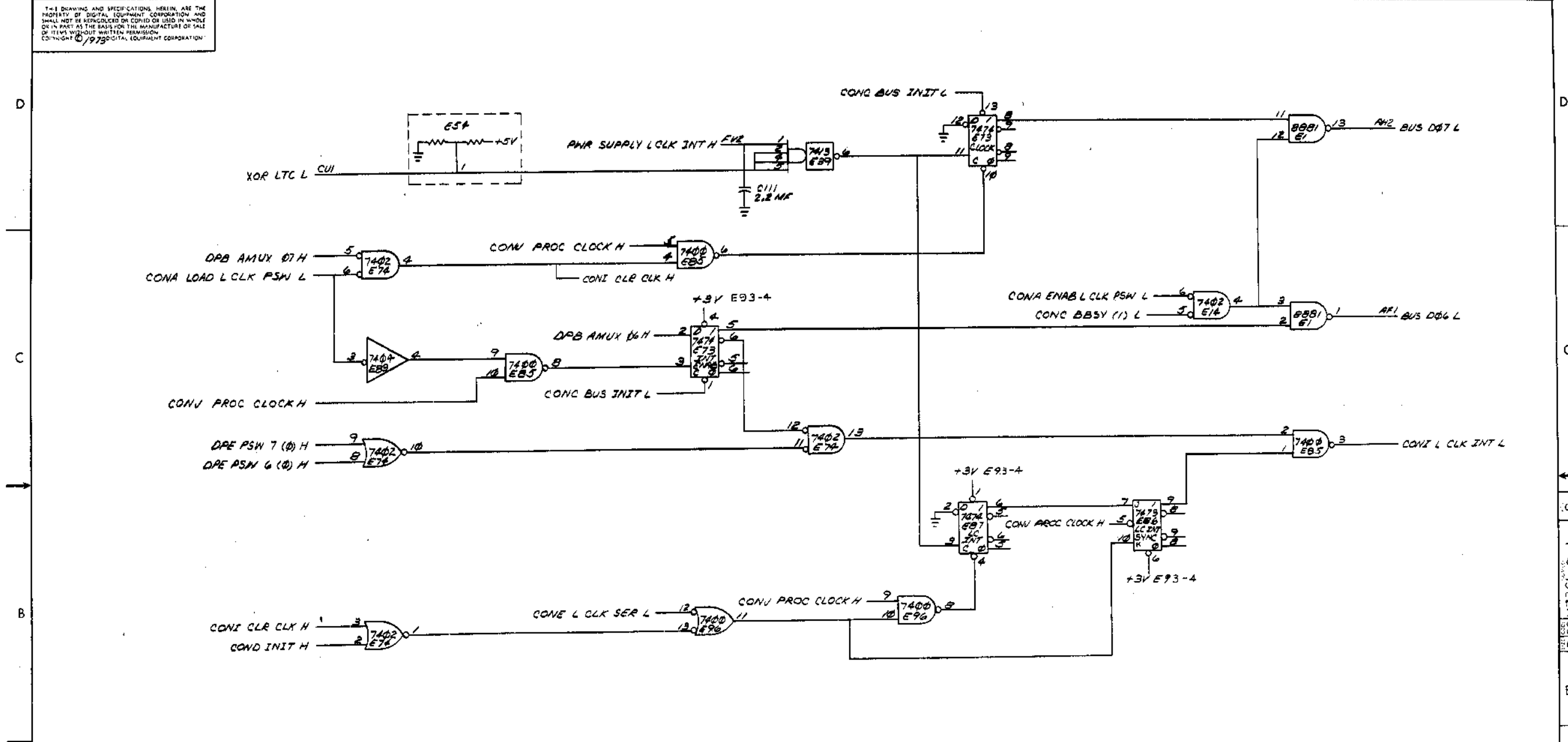
POWER FAIL			
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
11/05			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.			
TOLERANCES			
DECIMALS	ANGLES	DATE	
.XX = .005	0 30'	10/30/73	
.X = .02		10/30/73	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1			
NEXT HIGHER ASSY.			
MATERIAL		SIZE CODE	NUMBER
FINISH		SCALE	REV.
		SHEET 11 OF 14	DIST.

digital EQUIPMENT CORPORATION
 TITLE: CONTROL LOGIC & MICROPROGRAM (CONH)

DCS M7261-0-1

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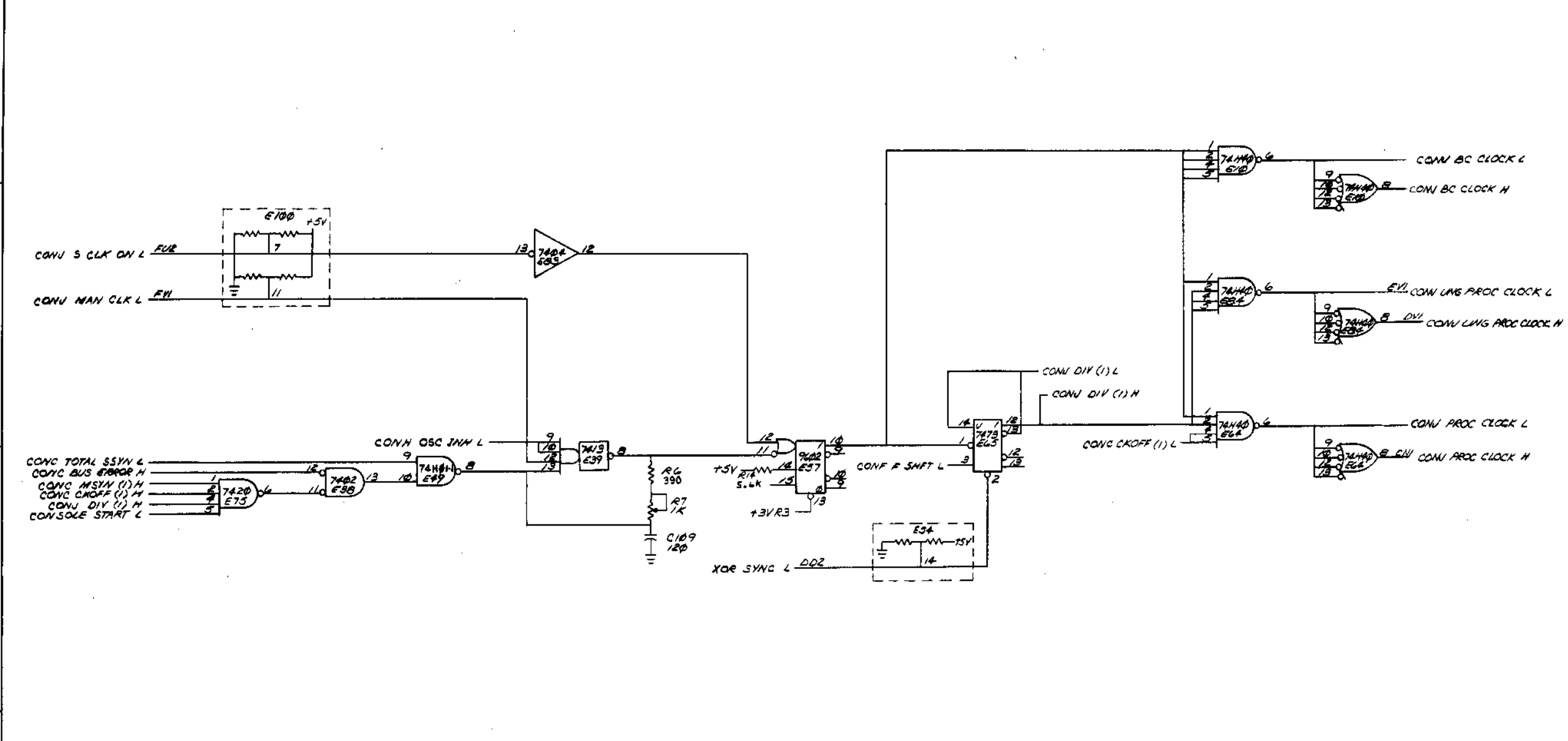
S 1-0-10-261-0-1 2



REV. NO.	DATE
1	11/05
2	12/10/73
3	12/10/73
4	12/10/73
5	12/10/73
6	12/10/73
7	12/10/73
8	12/10/73
9	12/10/73
10	12/10/73

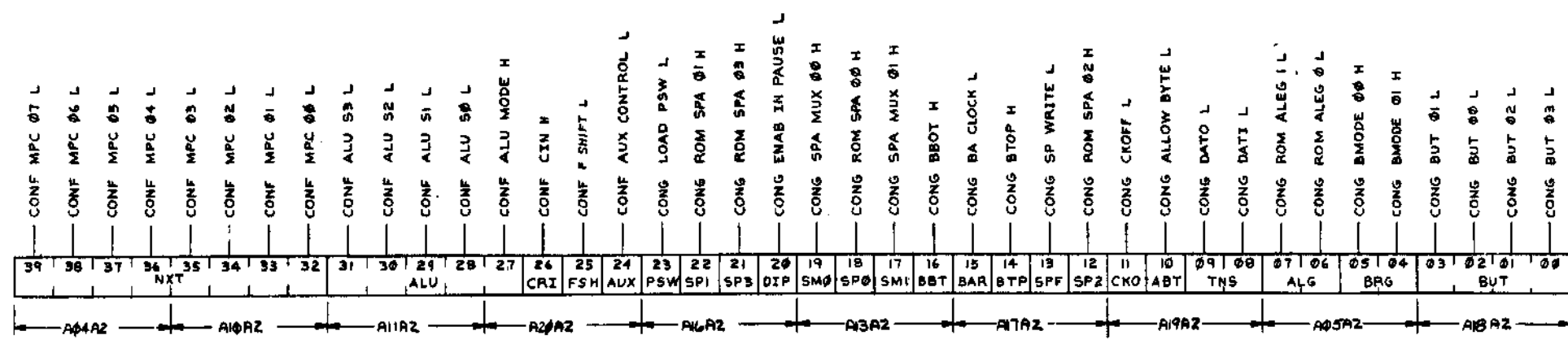
LINE CLOCK			
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.
11/05			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED	DRN	DATE	digital EQUIPMENT CORPORATION
DIMENSION IN INCHES	734	11/05	
TOLERANCES	CHLD	DATE	TITLE CONTROL LOGIC & MICROPROGRAM (CONT)
DECIMALS	10	12/10/73	
ANGLES	30	12/10/73	
xxx = .005 xx = .02 x = .1			SIZE CODE
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ?			B-DD-KD11-B
MATERIAL	NEXT HIGHER ASSY.		NUMBER
FINISH			DCS M7261-0-1
	SCALE		REV. S
	SHEET 12 OF 14		

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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/05					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN <i>M. Ains</i>	DATE 6/5/73		
TOLERANCES		CHK'D	DATE 11-20-73		
DECIMALS	ANGLES	ANG.	DATE 10/26/73	TITLE CONTROL LOGIC & MICROPROGRAM (CONJ)	
.xxx - .005	-0 30'	PROJ. ENGR.	DATE 10/26/73		
.x - .1		PROJ. MGR.	DATE 10/26/73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y		NEXT HIGHER ASSY. (CONJ)			
MATERIAL		B-DD-KDII-B		SIZE CODE	NUMBER
FINISH		SCALE 1/3		D CS M7261-0-1	REV. S
		SHEET 13 OF 14		DIST.	

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	31	30	29	28	27
	ALU				
AL	L	L	L	L	H
AA	L	L	L	L	L
AB	L	L	L	L	L
AB	L	L	L	L	L
0	L	L	L	L	L
A OR B	L	L	L	L	L
BL	L	L	L	L	L
A PLUS B	L	L	L	L	L
A XOR B	L	L	L	L	L
A-B-I	L	L	L	L	L
B	L	L	L	L	L
-I	L	L	L	L	L
A-I	L	L	L	L	L
A	L	L	L	L	L
ASL	L	L	L	L	L
ROL	L	L	L	L	L
ASR	L	L	L	L	L
ROR	L	L	L	L	L

<table border="1"> <tr><td>24</td><td>CRI</td></tr> <tr><td>OFF</td><td>L</td></tr> <tr><td>ON</td><td>H</td></tr> </table>	24	CRI	OFF	L	ON	H	<table border="1"> <tr><td>23</td><td>PSW</td></tr> <tr><td>HOLD</td><td>L</td></tr> <tr><td>LOAD</td><td>H</td></tr> </table>	23	PSW	HOLD	L	LOAD	H	<table border="1"> <tr><td>14</td><td>BTP</td></tr> <tr><td>BREG</td><td>L</td></tr> <tr><td>SEX</td><td>H</td></tr> <tr><td>+</td><td>L</td></tr> </table>	14	BTP	BREG	L	SEX	H	+	L	<table border="1"> <tr><td>10</td><td>ABT</td></tr> <tr><td>NO</td><td>L</td></tr> <tr><td>YES</td><td>H</td></tr> </table>	10	ABT	NO	L	YES	H	<table border="1"> <tr><td>05</td><td>04</td></tr> <tr><td>BRG</td><td>L</td></tr> <tr><td>LOAD</td><td>H</td></tr> <tr><td>SLEFT</td><td>L</td></tr> <tr><td>SRIGHT</td><td>H</td></tr> <tr><td>HOLD</td><td>L</td></tr> </table>	05	04	BRG	L	LOAD	H	SLEFT	L	SRIGHT	H	HOLD	L	<table border="1"> <tr><td>03</td><td>02</td><td>01</td><td>00</td></tr> <tr><td colspan="4">BUT</td></tr> <tr><td>NON</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>JMP/USR</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>IR DECODE</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>BYTE</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>CONST</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>DEST</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>MOV</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>INTR</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>INIT</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>UNARY</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>SWITCHES</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>NON MOD</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>SERVICE</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>SSYNC</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>ENOVFLD</td><td>L</td><td>L</td><td>L</td></tr> <tr><td>IR CLK</td><td>L</td><td>L</td><td>L</td></tr> </table>	03	02	01	00	BUT				NON	L	L	L	JMP/USR	L	L	L	IR DECODE	L	L	L	BYTE	L	L	L	CONST	L	L	L	DEST	L	L	L	MOV	L	L	L	INTR	L	L	L	INIT	L	L	L	UNARY	L	L	L	SWITCHES	L	L	L	NON MOD	L	L	L	SERVICE	L	L	L	SSYNC	L	L	L	ENOVFLD	L	L	L	IR CLK	L	L	L
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+	L																																																																																																																		
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NONE	H																																																																																																																		
DATI	L																																																																																																																		
DATO	H																																																																																																																		
<table border="1"> <tr><td>24</td><td>AUX</td></tr> <tr><td>OFF</td><td>L</td></tr> <tr><td>ON</td><td>H</td></tr> </table>	24	AUX	OFF	L	ON	H	<table border="1"> <tr><td>19</td><td>SM0</td></tr> <tr><td>ROM</td><td>L</td></tr> <tr><td>IRS</td><td>H</td></tr> <tr><td>IRD</td><td>L</td></tr> <tr><td>BA</td><td>L</td></tr> </table>	19	SM0	ROM	L	IRS	H	IRD	L	BA	L	<table border="1"> <tr><td>17</td><td>SMI</td></tr> <tr><td>HOLD</td><td>L</td></tr> <tr><td>LOAD</td><td>H</td></tr> </table>	17	SMI	HOLD	L	LOAD	H	<table border="1"> <tr><td>15</td><td>BAR</td></tr> <tr><td>HOLD</td><td>L</td></tr> <tr><td>LOAD</td><td>H</td></tr> </table>	15	BAR	HOLD	L	LOAD	H	<table border="1"> <tr><td>11</td><td>CKO</td></tr> <tr><td>OFF</td><td>L</td></tr> <tr><td>ON</td><td>H</td></tr> </table>	11	CKO	OFF	L	ON	H	<table border="1"> <tr><td>07</td><td>06</td></tr> <tr><td>ALG</td><td>L</td></tr> <tr><td>SP</td><td>L</td></tr> <tr><td>NULL</td><td>H</td></tr> <tr><td>SPR</td><td>L</td></tr> <tr><td>PSW</td><td>L</td></tr> </table>	07	06	ALG	L	SP	L	NULL	H	SPR	L	PSW	L																																																																
24	AUX																																																																																																																		
OFF	L																																																																																																																		
ON	H																																																																																																																		
19	SM0																																																																																																																		
ROM	L																																																																																																																		
IRS	H																																																																																																																		
IRD	L																																																																																																																		
BA	L																																																																																																																		
17	SMI																																																																																																																		
HOLD	L																																																																																																																		
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11	CKO																																																																																																																		
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07	06																																																																																																																		
ALG	L																																																																																																																		
SP	L																																																																																																																		
NULL	H																																																																																																																		
SPR	L																																																																																																																		
PSW	L																																																																																																																		

CONTROL STORE WORD FORMAT

FIRST USED ON OPTION/MODEL 11/05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. M. Rine	DATE 5/23/73	digital EQUIPMENT CORPORATION MASSACHUSETTS	
DECIMALS	CHK'D	DATE 11-22-73	TITLE CONTROL LOGIC & MICROPROGRAM	
ANGLES	ENG	DATE 10/24/73	REV	
XXX - 000	PRO. E.M.	DATE 12/17/73	REV	
XX - 00	APP'D	DATE	REV	
X - 0	CHK'D	DATE	REV	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	MATERIAL	NEXT HIGHER ASSY	SIZE CODE	NUMBER
	FINISH		B-DD-KD11-B	DCS M7261-0-1
			SCALE	REV
			SHEET 14 OF 14	R

REVISIONS
NO. CHANGE NO. REV.
CHK. DATE

DCS M7261-0-1

/(=Y8 (PIN #9) CONA INT TRAN SYNC L
 */(=Y7 (PIN #7) CONA REG ADDR L
 **/(=Y6 (PIN #6) CONA RECEIVE L
 ***/(=Y5 (PIN #5) CONA TRANSMIT L
 ****/(=Y4 (PIN #4) CONA LOAD MODEM PSW L
 *****/(=Y3 (PIN #3) CONA LOAD L CLK PSW L
 *****/(=Y2 (PIN #2) CONG SP WRITE L
 *****/(=Y1 (PIN #1) CONG LOAD PSW L

OCTAL ADDRESS	DECIMAL ADDRESS	OCTAL	DATA	
000	0	00001	11111111	377
001	1	00001	11111111	377
002	2	00010	11111111	377
003	3	00011	11111111	377
004	4	00100	01111110	176 PSW ,TRAN OUT BA=177776
005	5	00101	11111111	377 PSW ,TRAN OUT,BAR
006	6	00110	01111111	173 LCLK ,TRANOUT
007	7	00111	11111111	377 LCLK ,TRANOUT,BAR
010	8	01000	00111111	075 GR<R0>R17> ,TRANOUT RA=1777XY
011	9	01001	10111111	277 GR<R0>R17> ,TRANOUT,RAF
012	10	01010	01111111	177 ODD BYTE (LCLK/T</TP)
013	11	01011	11111111	377
014	12	01100	11111111	377
015	13	01101	11111111	377
016	14	01110	01111111	177 SWR ,TRANOUT BA=177570
017	15	01111	11111111	377 SWR ,TRANOUT,BAR
020	16	10000	01110111	127 TKS ,TRANOUT BA=177560
021	17	10001	11111111	337 TKS ,TRANOUT,BAR
022	18	10010	01100111	147 TPS ,TRANOUT BA=177564
023	19	10011	11101111	357 TPS ,TRANOUT,BAR
024	20	10100	01011111	137 TKH ,TRANOUT BA=177562
025	21	10101	11011111	337 TKH ,TRANOUT,BAR
026	22	10110	01101111	157 TPR ,TRANOUT BA=177566
027	23	10111	11101111	357 TPR ,TRANOUT,BAR
030	24	11000	11111111	377
031	25	11001	11111111	377
032	26	11010	11111111	377
033	27	11011	11111111	377
034	28	11100	11111111	377
035	29	11101	11111111	377
036	30	11110	11111111	377
037	31	11111	11111111	377

 *****/(A(PIN #10) IS CONA TRAN OUT L
 ***/(B(PIN #11) IS Y3 OF F025
 **/(C(PIN #12) IS Y2 OF F025
 */(D(PIN #13) IS Y1 OF F025
 /(E(PIN #14) IS Y4 OF F025

/(=Y8 (PIN #9) CONA ENAB L CLK PSW L
 */(=Y7 (PIN #7) CONA INT TRAN SYNC L
 **/(=Y6 (PIN #6) CONA ENAB ALU L
 ***/(=Y5 (PIN #5) CONA ENAB MODEM PSW L
 ****/(=Y4 (PIN #4) CONA ENAB SWITCH REG L
 *****/(=Y3 (PIN #3) CONG ENAB SPL L
 *****/(=Y2 (PIN #2) CONG ENAB SPR L
 *****/(=Y1 (PIN #1) CONG ENAB PSW L

OCTAL ADDRESS	DECIMAL ADDRESS	BCD	DATA	DATA
000	0	00000	11111111	377
001	1	00001	11111111	377
002	2	00010	11111111	377
003	3	00011	11111111	377
004	4	00100	10011110	236
005	5	00101	11111111	377
006	6	00110	00111111	777
007	7	00111	11111111	377
010	8	01000	10011001	231
011	9	01001	11111111	377
012	10	01010	10111111	277
013	11	01011	11111111	377
014	12	01100	11111111	377
015	13	01101	11111111	377
016	14	01110	10010111	227
017	15	01111	11111111	377
020	16	10000	10001111	217
021	17	10001	11111111	377
022	18	10010	10001111	217
023	19	10011	11111111	377
024	20	10100	10011111	237
025	21	10101	11111111	377
026	22	10110	10011111	237
027	23	10111	11111111	377
030	24	11000	11111111	377
031	25	11001	11111111	377
032	26	11010	11111111	377
033	27	11011	11111111	377
034	28	11100	11111111	377
035	29	11101	11111111	377
036	30	11110	11111111	377
037	31	11111	11111111	377

PSW ,TRANIN BA=177776
 PSW ,TRANIN,PAR
 LCLK ,TRANIN BA=177546
 LCLK ,TRANIN,PAR
 GEN REG ,TRANIN BA=1777YX
 GEN REG ,TRANIN,PAR
 ODD BYTE ADDRESS (LCLK/TK/TP)

SWR ,TRANIN BA=177570
 SWR ,TRANIN,PAR
 TKS ,TRANIN BA=177560
 TKS ,TRANIN,PAR
 TPS ,TRANIN BA=177564
 TPS ,TRANIN,PAR
 TKB ,TRANIN BA=177562
 TKB ,TRANIN,PAR
 TPB ,TRANIN BA=177566
 TPB ,TRANIN,PAR

 ****/(A(PIN #10) IS CONA TRAN IN L
 ***/(B(PIN #11) IS Y3 OF F025
 **/(C(PIN #12) IS Y2 OF F025
 */(D(PIN #13) IS Y1 OF F025
 /(E(PIN #14) IS Y4 OF F025

A13A1

27-JUL-72

*3=A13A1

ROM LISTING M7261-8 REV.A

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/( =Y8 (PIN #9)
*/( =Y7 (PIN #7) CONE LINE CLOCK SER L
**/( =Y6 (PIN #6) CONE STACK FLOW L
***/( =Y5 (PIN #5) CONE PWR FAIL SER L
****/( =Y4 (PIN #4) CONE RCD SER L
*****/( =Y3 (PIN #3) CONE XMIT SER L
*****/( =Y2 (PIN #2)
*****/( =Y1 (PIN #1)

```

OCTAL ADDRESS	DECIMAL ADDRESS	EDCBA	DATA	OCTAL DATA	
000	0	00000	11111111	377	
001	1	00001	11111111	377	
002	2	00010	11111111	377	
003	3	00011	11111111	377	
004	4	00100	11111111	377	
005	5	00101	11111111	377	
006	6	00110	11111111	377	
007	7	00111	11111111	377	
010	8	01000	11111111	377	
011	9	01001	11111111	377	
012	10	01010	11110111	367	UART RCD INT MPC=64
013	11	01011	11111111	377	
014	12	01100	11111111	377	
015	13	01101	11111111	377	
016	14	01110	11110111	373	UART XMIT INT MPC=60
017	15	01111	11111111	377	
020	16	10000	11111111	377	
021	17	10001	11111111	377	
022	18	10010	11011111	337	ERT=1A STACK FLOW MPC=46
023	19	10011	11111111	377	
024	20	10100	11101111	357	PWR FAIL MPC=43
025	21	10101	11111111	377	
026	22	10110	10111111	277	LINE CLK INT MPC=42
027	23	10111	11111111	377	
030	24	11000	11111111	377	
031	25	11001	11111111	377	
032	26	11010	11111111	377	
033	27	11011	11111111	377	
034	28	11100	11111111	377	
035	29	11101	11111111	377	
036	30	11110	11111111	377	
037	31	11111	11111111	377	

```

*****
****/( A(PIN #10) IS CONN RUN GND L
***/( B(PIN #11) IS CONF MPC 00 L
**/( C(PIN #12) IS CONF MPC 02 L
*/( D(PIN #13) IS CONF MPC 01 L
/( E(PIN #14) IS CONF MPC 04 L

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```

/(( =Y8 (PIN #9) CONF MPC 05 L
*(( =Y7 (PIN #7) CONE EXAM SW L
**/( =Y6 (PIN #6) CONE DEP SW L
***/( =Y5 (PIN #5) CONF MPC 00 L
****/( =Y4 (PIN #4) CONF MPC 04 L
*****/( =Y3 (PIN #3) CONF MPC 01 L
*****/( =Y2 (PIN #2) CONF MPC 02 L
*****/( =Y1 (PIN #1) CONF MPC 03 L
*****
OCTAL ADDRESS DATA
000 0 00000 11110000 CONTINUE
001 1 00001 11111011 TWO SW =CONT,DEP
002 2 00010 11111011 TWO SW EXAM,CONT
003 3 00011 11111011 TWO SW LOAD,CONT
004 4 00100 11111011 NO SW
005 5 00101 11001010 DEP SW1 GOTO 313
006 6 00110 10101000 EXAM GOTO TO 317
007 7 00111 11101110 LOAD GOTO TO 311
010 8 01000 11111000 CONT=CLR EXAM
011 9 01001 11111011 TWO SW =CONT,DEP
012 10 01010 11101011 TWO SW EXAM,CONT
013 11 01011 11101011 TWO SW LOAD,CONT
014 12 01100 10111011 NO SW 1ST EXAM
015 13 01101 11001010 DEP SW1
016 14 01110 10101100 EXAM AND 1ST EXAM 320
017 15 01111 11101110 LOAD GOTO 311
020 16 10000 11111000 CONT=CLR DEP
021 17 10001 11111011 TWO SW =CONT,DEP
022 18 10010 11111011 TWO SW EXAM,CONT
023 19 10011 11011011 TWO SW LOAD,CONT
024 20 10100 11011011 NO SW 1ST DEP
025 21 10101 11011010 DEP SW2 GOTO 312
026 22 10110 10101000 EXAM,1ST DEP 317
027 23 10111 11101110 LOAD GOTO 311
030 24 11000 00000100
031 25 11001 00000000
032 26 11010 00000000
033 27 11011 00000000
034 28 11100 00000000
035 29 11101 00000000
036 30 11110 00000000
037 31 11111 00000000

```

```

*****
****/( A(PIN #10) IS CONE LOAD (1)L ,AND, DEP (1)L ;BAR
***/( B(PIN #11) IS CONE LOAD (1)L ,AND, EXAM (1)L ;BAR
**/( C(PIN #12) IS CONE CONT (1)L
*/( D(PIN #13) IS CONE 1ST EXAM (1)H
/( E(PIN #14) IS CONE 1ST DEP (1)H

```

6

```

// Y4 (PIN # 9) CONC SET BG 07 L
// Y3 (PIN #10) CONC SET BG 06 L
// Y2 (PIN #11) CONC SET BG 05 L
// Y1 (PIN #12) CONC SET BG 04 L
****
OCTAL DECIMAL
ADDRESS ADDRESS HGFEQBA DAYA
000 0 0000000 1111 017
001 1 0000001 1111 017
002 2 0000010 1111 017
003 3 0000011 1111 017
004 4 0000100 1111 017
005 5 0000101 1111 017
006 6 0000110 1111 017
007 7 0000111 1111 017
010 8 0001000 1111 017
011 9 0001001 1111 017
012 10 0001010 1111 017
013 11 0001011 1111 017
014 12 0001100 1111 017
015 13 0001101 1111 017
016 14 0001110 1111 017
017 15 0001111 1111 017
020 16 0010000 1111 017
021 17 0010001 1111 017
022 18 0010010 1111 017
023 19 0010011 1111 017
024 20 0010100 1111 017
025 21 0010101 1111 017
026 22 0010110 1111 017
027 23 0010111 1111 017
030 24 0011000 1111 017
031 25 0011001 1111 017
032 26 0011010 1111 017
033 27 0011011 1111 017
034 28 0011100 1111 017
035 29 0011101 1111 017
036 30 0011110 1111 017
037 31 0011111 1111 017

```

6
Cont

```

040 32 0010000 0111 007
041 33 0010001 1011 013
042 34 0010010 0111 007
043 35 0010011 1111 017 LCLK
044 36 0010100 0111 007
045 37 0010101 1011 013
046 38 0010110 0111 007
047 39 0010111 1101 015
050 40 0010100 0111 007
051 41 0010101 1011 013
052 42 0010110 0111 007
053 43 0010111 1111 017
054 44 0010110 0111 007
055 45 0010111 1011 013
056 46 0010110 0111 007
057 47 0010111 1110 016
060 48 0011000 0111 007
061 49 0011001 1011 013
062 50 0011010 0111 007
063 51 0011011 1111 017 LCLK
064 52 0011010 0111 007
065 53 0011011 1011 013
066 54 0011010 0111 007
067 55 0011011 1101 015
070 56 0011100 0111 007
071 57 0011101 1011 013
072 58 0011101 0111 007
073 59 0011101 1111 017
074 60 0011110 0111 007
075 61 0011111 1011 013
076 62 0011110 0111 007
077 63 0011111 1111 017

```

```

*****
*****/( A(PIN #05) IS CONC BR 07 (1)L
*****/( B(PIN #06) IS CONC BR 06 (1)L
*****/( C(PIN #07) IS CONC LCLK INT L
*****/( D(PIN #04) IS CONC BR 05 (1)L
**/( E(PIN #03) IS CONC BR 04 (1)L
**/( F(PIN #02) IS DPE PSW 07 (0)M
**/( G(PIN #01) IS DPE PSW 06 (0)M
/( H(PIN #15) IS DPE PSW 05 (0)M

```

7 06

```

      / ( BY4 (PIN # 9) CONC SET BG 07 L
      */ ( BY3 (PIN #10) CONC SET BG 06 L
      **/ ( BY2 (PIN #11) CONC SET BG 05 L
      ***/ ( BY1 (PIN #12) CONC SET BG 04 L
      ****
      OCTAL
      ADDRESS ADDRESS HGPEDCBA DATA
100 64 01000000 0111 007
101 65 01000001 1011 013
102 66 01000010 0111 007
103 67 01000011 1111 017
104 68 01000100 0111 007
105 69 01000101 1011 013
106 70 01000110 0111 007
107 71 01000111 1111 017
110 72 01001000 0111 007
111 73 01001001 1011 013
112 74 01001010 0111 007
113 75 01001011 1111 017
114 76 01001100 0111 007
115 77 01001101 1011 013
116 78 01001110 0111 007
117 79 01001111 1111 017
120 80 01010000 0111 007
121 81 01010001 1011 013
122 82 01010010 0111 007
123 83 01010011 1111 017
124 84 01010100 0111 007
125 85 01010101 1011 013
126 86 01010110 0111 007
127 87 01010111 1111 017
130 88 01011000 0111 007
131 89 01011001 1011 013
132 90 01011010 0111 007
133 91 01011011 1111 017
134 92 01011100 0111 007
135 93 01011101 1011 013
136 94 01011110 0111 007
137 95 01011111 1111 017
    
```

M7261-8 REV. A

Handwritten: 7 cont

```

140 96 01100000 0111 007
141 97 01100001 1011 013
142 98 01100010 0111 007
143 99 01100011 1111 017
144 100 01100100 0111 007
145 101 01100101 1011 013
146 102 01100110 0111 007
147 103 01100111 1101 015
150 104 01101000 0111 007
151 105 01101001 1111 017
152 106 01101010 0111 007
153 107 01101011 1111 017
154 108 01101100 0111 007
155 109 01101101 1011 013
156 110 01101110 0111 007
157 111 01101111 1110 016
160 112 01110000 0111 007
161 113 01110001 1011 013
162 114 01110010 0111 007
163 115 01110011 1111 017
164 116 01110100 0111 007
165 117 01110101 1011 013
166 118 01110110 0111 007
167 119 01110111 1101 015
170 120 01111000 0111 007
171 121 01111001 1011 013
172 122 01111010 0111 007
173 123 01111011 1111 017
174 124 01111100 0111 007
175 125 01111101 1011 013
176 126 01111110 0111 007
177 127 01111111 1111 017
    
```

```

*****
*****/ ( A(PIN #09) IS CONC BR 07 (1) L
*****/ ( B(PIN #10) IS CONC BR 06 (1) L
*****/ ( C(PIN #11) IS CONC LCLK INT L
*****/ ( D(PIN #12) IS CONC BR 05 (1) L
*****/ ( E(PIN #13) IS CONC BR 04 (1) L
*****/ ( F(PIN #14) IS DPE PSW 07 (0) M
*****/ ( G(PIN #15) IS DPE PSW 06 (0) M
*****/ ( H(PIN #16) IS DPE PSW 05 (0) M
    
```

8

```

      /* =Y4 (PIN # 9) CONC SET BG 07 L
      /* =Y3 (PIN #10) CONC SET BG 06 L
      /* =Y2 (PIN #11) CONC SET BG 05 L
      /* =Y1 (PIN #12) CONC SET BG 04 L
      ****
      OCTAL  ADDRESS  HGFEBCRA  ****  OCTAL  DATA
      200      128  10000000  0111  007
      201      129  10000001  1111  017
      202      130  10000010  0111  007
      203      131  10000011  1111  017
      204      132  10000100  0111  007
      205      133  10000101  1111  017
      206      134  10000110  0111  007
      207      135  10000111  1111  017
      210      136  10001000  0111  007
      211      137  10001001  1111  017
      212      138  10001010  0111  007
      213      139  10001011  1111  017
      214      140  10001100  0111  007
      215      141  10001101  1111  017
      216      142  10001110  0111  007
      217      143  10001111  1111  017
      220      144  10010000  0111  007
      221      145  10010001  1111  017
      222      146  10010010  0111  007
      223      147  10010011  1111  017
      224      148  10010100  0111  007
      225      149  10010101  1111  017
      226      150  10010110  0111  007
      227      151  10010111  1111  017
      230      152  10011000  0111  007
      231      153  10011001  1111  017
      232      154  10011010  0111  007
      233      155  10011011  1111  017
      234      156  10011100  0111  007
      235      157  10011101  1111  017
      236      158  10011110  0111  007
      237      159  10011111  1111  017
  
```

M7261-8 REV A

```

      240      160  10100000  0111  007
      241      161  10100001  1011  013
      242      162  10100010  0111  007
      243      163  10100011  1111  017
      244      164  10100100  0111  007
      245      165  10100101  1011  013
      246      166  10100110  0111  007
      247      167  10100111  1101  015
      250      168  10101000  0111  007
      251      169  10101001  1011  013
      252      170  10101010  0111  007
      253      171  10101011  1111  017
      254      172  10101100  0111  007
      255      173  10101101  1011  013
      256      174  10101110  0111  007
      257      175  10101111  1110  016
      260      176  10110000  0111  007
      261      177  10110001  1011  013
      262      178  10110010  0111  007
      263      179  10110011  1111  017
      264      180  10110100  0111  007
      265      181  10110101  1011  013
      266      182  10110110  0111  007
      267      183  10110111  1101  015
      270      184  10111000  0111  007
      271      185  10111001  1011  013
      272      186  10111010  0111  007
      273      187  10111011  1111  017
      274      188  10111100  0111  007
      275      189  10111101  1011  013
      276      190  10111110  0111  007
      277      191  10111111  1111  017
  
```

8 COD

```

      *****
      *****/( A(PIN #05) IS CONC BR 07 (1)L
      *****/( B(PIN #06) IS CONC BR 06 (1)L
      *****/( C(PIN #07) IS CONC LCLK INT L
      *****/( D(PIN #04) IS CONC BR 05 (1)L
      *****/( E(PIN #03) IS CONC BR 04 (1)L
      *****/( F(PIN #02) IS DPE PSW 07 (0)H
      *****/( G(PIN #01) IS DPE PSW 06 (0)H
      *****/( H(PIN #15) IS DPE PSW 05 (0)H
  
```


9

/(#Y4 (PIN # 9) CONC SET BG 07 L
*/(#Y3 (PIN #10) CONC SET BG 06 L
**/(#Y2 (PIN #11) CONC SET BG 05 L
***/(#Y1 (PIN #12) CONC SET BG 04 L

OCTAL ADDRESS	DECIMAL ADDRESS	HEXEDCRA	OCTAL DATA		
300	192	11000000	0111	007	
301	193	11000001	1011	013	
302	194	11000010	0111	007	
303	195	11000011	1111	017	LCLK
304	196	11000100	0111	007	
305	197	11000101	1011	013	
306	198	11000110	0111	007	
307	199	11000111	1101	015	
310	200	11001000	0111	007	
311	201	11001001	1011	013	
312	202	11001010	0111	007	
313	203	11001011	1111	017	LCLK
314	204	11001100	0111	007	
315	205	11001101	1011	013	
316	206	11001110	0111	007	
317	207	11001111	1111	017	
320	208	11010000	0111	007	
321	209	11010001	1011	013	
322	210	11010010	0111	007	
323	211	11010011	1111	017	LCLK
324	212	11010100	0111	007	
325	213	11010101	1011	013	
326	214	11010110	0111	007	
327	215	11010111	1101	015	
330	216	11011000	0111	007	
331	217	11011001	1011	013	
332	218	11011010	0111	007	
333	219	11011011	1111	017	
334	220	11011100	0111	007	
335	221	11011101	1011	013	
336	222	11011110	0111	007	
337	223	11011111	1111	017	

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340	224	11100000	0111	007	
341	225	11100001	1011	013	
342	226	11100010	0111	007	
343	227	11100011	1111	017	LCLK
344	228	11100100	0111	007	
345	229	11100101	1011	013	
346	230	11100110	0111	007	
347	231	11100111	1101	015	
350	232	11101000	0111	007	
351	233	11101001	1011	013	
352	234	11101010	0111	007	
353	235	11101011	1111	017	LCLK
354	236	11101100	0111	007	
355	237	11101101	1011	013	
356	238	11101110	0111	007	
357	239	11101111	1110	016	
360	240	11110000	0111	007	
361	241	11110001	1011	013	
362	242	11110010	0111	007	
363	243	11110011	1111	017	LCLK
364	244	11110100	0111	007	
365	245	11110101	1011	013	
366	246	11110110	0111	007	
367	247	11110111	1101	015	
370	248	11111000	0111	007	
371	249	11111001	1011	013	
372	250	11111010	0111	007	
373	251	11111011	1111	017	
374	252	11111100	0111	007	
375	253	11111101	1011	013	
376	254	11111110	0111	007	
377	255	11111111	1111	017	

 *****(A (PIN #05) IS CONC BR 07 (1) L
 *****(B (PIN #06) IS CONC BR 06 (1) L
 *****(C (PIN #07) IS CONC LCLK INT L
 *****(D (PIN #04) IS CONC BR 05 (1) L
 *****(E (PIN #03) IS CONC BR 04 (1) L
 *****(F (PIN #02) IS DPE PSW 07 (0) H
 *****(G (PIN #01) IS DPE PSW 06 (0) H
 *****(H (PIN #15) IS DPE PSW 05 (0) H

9

```

      /I =Y4 (PIN # 9) Y4
      //I =Y3 (PIN #10) Y3
      **/I =Y2 (PIN #11) Y2
      ****/I =Y1 (PIN #12) Y1
      ****
      OCTAL   DATA
      ADDRESS ADDRESS HGFE0C8A
000 0 00000000 0000 000
001 1 00000001 0000 000
002 2 00000010 0000 000
003 3 00000011 0000 000
004 4 00000100 0000 000
005 5 00000101 0000 000
006 6 00000110 0000 000
007 7 00000111 0000 000
010 8 00001000 0000 000
011 9 00001001 0000 000
012 10 00001010 0000 000
013 11 00001011 0000 000
014 12 00001100 0000 000
015 13 00001101 0000 000
016 14 00001110 0000 000
017 15 00001111 0000 000
020 16 00010000 0000 000
021 17 00010001 0000 000
022 18 00010010 0000 000
023 19 00010011 0000 000
024 20 00010100 0000 000
025 21 00010101 0000 000
026 22 00010110 0000 000
027 23 00010111 0000 000
030 24 00011000 0000 000
031 25 00011001 0000 000
032 26 00011010 0000 000
033 27 00011011 0000 000
034 28 00011100 0000 000
035 29 00011101 0000 000
036 30 00011110 0000 000
037 31 00011111 0000 000

```

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```

040 32 00100000 0000 000
041 33 00100001 0000 000
042 34 00100010 0000 000
043 35 00100011 0000 000
044 36 00100100 0000 000
045 37 00100101 0000 000
046 38 00100110 0000 000
047 39 00100111 0000 000
050 40 00101000 0000 000
051 41 00101001 0000 000
052 42 00101010 0000 000
053 43 00101011 0000 000
054 44 00101100 0000 000
055 45 00101101 0000 000
056 46 00101110 0000 000
057 47 00101111 0000 000
060 48 00110000 0000 000
061 49 00110001 0000 000
062 50 00110010 0000 000
063 51 00110011 0000 000
064 52 00110100 0000 000
065 53 00110101 0000 000
066 54 00110110 0000 000
067 55 00110111 0000 000
070 56 00111000 0000 000
071 57 00111001 0000 000
072 58 00111010 0000 000
073 59 00111011 0000 000
074 60 00111100 0000 000
075 61 00111101 0000 000
076 62 00111110 0000 000
077 63 00111111 0000 000
*****
*****/( A(PIN #05) IS CONA BA 02 (1)H
*****/( B(PIN #06) IS CONA BA 01 (1)H
*****/( C(PIN #07) IS CONA BA 00 (1)H
*****/( D(PIN #04) IS CONA BA 03 (1)H
***/( E(PIN #03) IS CONA BA 04 (1)H
*/( F(PIN #02) IS CONA BA 05 (1)H
/( G(PIN #01) IS CONA BA 07 (1)H
/( H(PIN #15) IS CONA BA 06 (1)H

```

OCTAL ADDRESS	DECIMAL ADDRESS	HEX ADDRESS	DATA
100	64	01000000	0000
101	65	01000001	0000
102	66	01000010	0000
103	67	01000011	0000
104	68	01000100	0000
105	69	01000101	0000
106	70	01000110	0000
107	71	01000111	0000
110	72	01001000	0000
111	73	01001001	0000
112	74	01001010	0000
113	75	01001011	0000
114	76	01001100	0000
115	77	01001101	0000
116	78	01001110	0000
117	79	01001111	0000
120	80	01010000	0000
121	81	01010001	0000
122	82	01010010	0000
123	83	01010011	0000
124	84	01010100	0000
125	85	01010101	0000
126	86	01010110	0000
127	87	01010111	0000
130	88	01011000	0000
131	89	01011001	0000
132	90	01011010	0000
133	91	01011011	0000
134	92	01011100	0000
135	93	01011101	0000
136	94	01011110	0000
137	95	01011111	0000

/C =Y4 (PIN # 9) Y4
 *// =Y3 (PIN #10) Y3
 **// =Y2 (PIN #11) Y2
 ***// =Y1 (PIN #12) Y1

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140	96	01100000	0000
141	97	01100001	0000
142	98	01100010	0000
143	99	01100011	0000
144	100	01100100	0000
145	101	01100101	0000
146	102	01100110	0000
147	103	01100111	0000
150	104	01101000	0000
151	105	01101001	0000
152	106	01101010	0000
153	107	01101011	0000
154	108	01101100	0000
155	109	01101101	0000
156	110	01101110	0000
157	111	01101111	0000
160	112	01110000	0000
161	113	01110001	0000
162	114	01110010	0000
163	115	01110011	0000
164	116	01110100	0000
165	117	01110101	0000
166	118	01110110	0000
167	119	01110111	0000
170	120	01111000	0000
171	121	01111001	0000
172	122	01111010	0000
173	123	01111011	0000
174	124	01111100	0000
175	125	01111101	0000
176	126	01111110	0000
177	127	01111111	0000

 *****// A(PIN #05) IS CONA BA 02 (1)H
 *****// B(PIN #06) IS CONA BA 01 (1)H
 *****// C(PIN #07) IS CONA BA 00 (1)H
 *****// D(PIN #04) IS CONA BA 03 (1)H
 *****// E(PIN #03) IS CONA BA 04 (1)H
 *****// F(PIN #02) IS CONA BA 05 (1)H
 *****// G(PIN #01) IS CONA BA 07 (1)H
 *****// H(PIN #15) IS CONA BA 06 (1)H

```

      / ( Y4 (PIN # 9) Y4
      +/ ( Y3 (PIN #10) Y3
      **/ ( Y2 (PIN #11) Y2
      ***/ ( Y1 (PIN #12) Y1
    OCTAL DECIMAL
    ADDRESS ADDRESS  HGFEDCBA  ****  OCTAL
    200 128 10000000 0000 000
    201 129 10000001 0000 000
    202 130 10000010 0000 000
    203 131 10000011 0000 000
    204 132 10000100 0000 000
    205 133 10000101 0000 000
    206 134 10000110 0000 000
    207 135 10000111 0000 000
    210 136 10001000 0000 000
    211 137 10001001 0000 000
    212 138 10001010 0000 000
    213 139 10001011 0000 000
    214 140 10001100 0000 000
    215 141 10001101 0000 000
    216 142 10001110 0000 000
    217 143 10001111 0000 000
    220 144 10010000 0000 000
    221 145 10010001 0000 000
    222 146 10010010 0000 000
    223 147 10010011 0000 000
    224 148 10010100 0000 000
    225 149 10010101 0000 000
    226 150 10010110 0000 000
    227 151 10010111 0000 000
    230 152 10011000 0000 000
    231 153 10011001 0000 000
    232 154 10011010 0000 000
    233 155 10011011 0000 000
    234 156 10011100 0000 000
    235 157 10011101 0000 000
    236 158 10011110 0000 000
    237 159 10011111 0000 000
  
```

12

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```

    240 160 10100000 0000 000
    241 161 10100001 0000 000
    242 162 10100010 0000 000
    243 163 10100011 0110 006
    244 164 10100100 0000 000
    245 165 10100101 0000 000
    246 166 10100110 0000 000
    247 167 10100111 0101 005
    250 168 10101000 0000 000
    251 169 10101001 0000 000
    252 170 10101010 0000 000
    253 171 10101011 0000 000
    254 172 10101100 0000 000
    255 173 10101101 0000 000
    256 174 10101110 0000 000
    257 175 10101111 0000 000
    260 176 10110000 1000 010
    261 177 10110001 1100 014
    262 178 10110010 1010 012
    263 179 10110011 1110 014
    264 180 10110100 0101 005
    265 181 10110101 0101 005
    266 182 10110110 0101 005
    267 183 10110111 0101 005
    270 184 10111000 0111 007
    271 185 10111001 0000 000
    272 186 10111010 0000 000
    273 187 10111011 0000 000
    274 188 10111100 0111 007
    275 189 10111101 0000 000
    276 190 10111110 0000 000
    277 191 10111111 0000 000
  
```

KW11=L LINE CLK CSR

KW11=L (ODD BYTE)

TKS TTY KEYBOARD CSR
 TPS PRINTER CSR
 TKB TTY KEYBOARD DBR
 TPB TTY PRINTER DBR
 TKS (ODD BYTE)
 TPS (ODD BYTE)
 TKB (ODD BYTE)
 TPB (ODD BYTE)
 SWITCH REGISTER

CONSOLE SW REG; (ODD BYTE)

```

*****
****/( A(PIN #05) IS CONA BA 02 (1)H
****/( B(PIN #06) IS CONA BA 01 (1)H
****/( C(PIN #07) IS CONA BA 00 (1)H
****/( D(PIN #04) IS CONA BA 03 (1)H
****/( E(PIN #03) IS CONA BA 04 (1)H
****/( F(PIN #02) IS CONA BA 05 (1)H
****/( G(PIN #01) IS CONA BA 07 (1)H
/( H(PIN #15) IS CONA BA 06 (1)H
  
```

12

/(#Y4 (PIN # 9) Y4
*/(#Y3 (PIN #10) Y3
**/(#Y2 (PIN #11) Y2
***/(#Y1 (PIN #12) Y1

DECIMAL ADDRESS	HEX ADDRESS	HEX DATA	REG
300	192	11000000	REG R0
301	193	11000001	REG R4
302	194	11000010	REG R2
303	195	11000011	REG R6
304	196	11000100	REG R1
305	197	11000101	REG R5
306	198	11000110	REG R3
307	199	11000111	REG R7
310	200	11001000	REG R10
311	201	11001001	REG R14
312	202	11001010	REG R12
313	203	11001011	REG R16
314	204	11001100	REG R11
315	205	11001101	REG R15
316	206	11001110	REG R13
317	207	11001111	REG R17
320	208	11010000	
321	209	11010001	
322	210	11010010	
323	211	11010011	
324	212	11010100	
325	213	11010101	
326	214	11010110	
327	215	11010111	
330	216	11011000	
331	217	11011001	
332	218	11011010	
333	219	11011011	
334	220	11011100	
335	221	11011101	
336	222	11011110	
337	223	11011111	

13

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340	224	11100000	
341	225	11100001	
342	226	11100010	
343	227	11100011	
344	228	11100100	
345	229	11100101	
346	230	11100110	
347	231	11100111	
350	232	11101000	
351	233	11101001	
352	234	11101010	
353	235	11101011	
354	236	11101100	
355	237	11101101	
356	238	11101110	
357	239	11101111	
360	240	11110000	
361	241	11110001	
362	242	11110010	
363	243	11110011	
364	244	11110100	
365	245	11110101	
366	246	11110110	
367	247	11110111	
370	248	11111000	
371	249	11111001	
372	250	11111010	
373	251	11111011	PSW
374	252	11111100	
375	253	11111101	
376	254	11111110	
377	255	11111111	PSW (ODD BYTE)

13 CONT

/(#Y4 (PIN # 9) IS CONA BA 02 (1)M
*/(#Y3 (PIN #10) IS CONA BA 01 (1)M
**/(#Y2 (PIN #11) IS CONA BA 00 (1)M
***/(#Y1 (PIN #12) IS CONA BA 03 (1)M
****/(#Y0 (PIN #13) IS CONA BA 04 (1)M
*****/(#Y0 (PIN #14) IS CONA BA 05 (1)M
*****/(#Y0 (PIN #15) IS CONA BA 07 (1)M
*****/(#Y0 (PIN #15) IS CONA BA 06 (1)M

```

/( *Y4 (PIN # 9) CONF MPC B4 L
*/( *Y3 (PIN #10) CONF MPC B1 L
**/( *Y2 (PIN #11) CONF MPC B2 L
***/( *Y1 (PIN #12) CONF MPC B0 L
****
OCTAL DECIMAL
ADDRESS ADDRESS HGFEOCBA ***** DATA
000 0 00000000 1100 014 Y
001 1 00000001 1100 014 Y
002 2 00000010 1100 014 Y
003 3 00000011 1100 014 Y
004 4 00000100 1100 014 Y
005 5 00000101 1100 014 Y
006 6 00000110 1100 014 Y
007 7 00000111 1100 014 Y
010 0 00001000 1100 014 Y
011 9 00001001 1100 014 Y
012 10 00001010 1100 014 Y
013 11 00001011 1100 014 Y
014 12 00001100 1100 014 Y
015 13 00001101 1100 014 Y
016 14 00001110 1100 014 Y
017 15 00001111 1100 014 Y
020 18 00010000 1100 014 Y
021 17 00010001 1100 014 Y
022 18 00010010 1100 014 Y
023 19 00010011 1100 014 Y
024 20 00010100 1100 014 Y
025 21 00010101 1100 014 Y
026 22 00010110 1100 014 Y
027 23 00010111 1100 014 Y
030 24 00011000 1100 014 Y
031 25 00011001 1100 014 Y
032 26 00011010 1100 014 Y
033 27 00011011 1100 014 Y
034 28 00011100 1100 014 Y
035 29 00011101 1100 014 Y
036 30 00011110 1100 014 Y
037 31 00011111 1100 014 Y

```

14

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```

040 32 00100000 1100 014 Y
041 33 00100001 1100 014 Y
042 34 00100010 1100 014 Y
043 35 00100011 1100 014 Y
044 36 00100100 1100 014 Y
045 37 00100101 1100 014 Y
046 38 00100110 1100 014 Y
047 39 00100111 1100 014 Y
050 40 00101000 1100 014 Y
051 41 00101001 1100 014 Y
052 42 00101010 1100 014 Y
053 43 00101011 1100 014 Y
054 44 00101100 1100 014 Y
055 45 00101101 1100 014 Y
056 46 00101110 1100 014 Y
057 47 00101111 1100 014 Y
060 48 00110000 1100 014 Y
061 49 00110001 1100 014 Y
062 50 00110010 1100 014 Y
063 51 00110011 1100 014 Y
064 52 00110100 1100 014 Y
065 53 00110101 1100 014 Y
066 54 00110110 1100 014 Y
067 55 00110111 1100 014 Y
070 56 00111000 1100 014 Y
071 57 00111001 1100 014 Y
072 58 00111010 1100 014 Y
073 59 00111011 1100 014 Y
074 60 00111100 1100 014 Y
075 61 00111101 1100 014 Y
076 62 00111110 1100 014 Y
077 63 00111111 1100 014 Y

```

14

```

*****
*****/( A(PIN #05) IS CONB STACKFLOW (1)L
*****/( B(PIN #06) IS CONB POWN SYNC (1)L
*****/( C(PIN #07) IS CONI LCLK INT (1)L
****/( D(PIN #04) IS CONE STOP (1)L
***/( E(PIN #03) IS DPM RCD INT (1)L
*/( F(PIN #02) IS DPM XMIT INT (1)L
/( G(PIN #01) IS DPG WAIT L
/( H(PIN #15) IS DPE T DEL (1)L

```

```

/1 BY4 (PIN # 9) CONF MPC #4 L
*/1 BY5 (PIN #10) CONF MPC #1 L
**/1 BY2 (PIN #11) CONF MPC #2 L
***// BY1 (PIN #12) CONF MPC #0 L
****
OCTAL DATA
ADDRESS ADDRESS HGFEDCBA *****
100 64 01000000 1100 #14 T
101 65 01000001 1100 #14 T
102 66 01000010 1100 #14 T
103 67 01000011 1100 #14 T
104 68 01000100 1100 #14 T
105 69 01000101 1100 #14 T
106 70 01000110 1100 #14 T
107 71 01000111 1100 #14 T
110 72 01001000 1100 #14 T
111 73 01001001 1100 #14 T
112 74 01001010 1100 #14 T
113 75 01001011 1100 #14 T
114 76 01001100 1100 #14 T
115 77 01001101 1100 #14 T
116 78 01001110 1100 #14 T
117 79 01001111 1100 #14 T
120 80 01010000 1100 #14 T
121 81 01010001 1100 #14 T
122 82 01010010 1100 #14 T
123 83 01010011 1100 #14 T
124 84 01010100 1100 #14 T
125 85 01010101 1100 #14 T
126 86 01010110 1100 #14 T
127 87 01010111 1100 #14 T
130 88 01011000 1100 #14 T
131 89 01011001 1100 #14 T
132 90 01011010 1100 #14 T
133 91 01011011 1100 #14 T
134 92 01011100 1100 #14 T
135 93 01011101 1100 #14 T
136 94 01011110 1100 #14 T
137 95 01011111 1100 #14 T

```

15

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```

140 96 01100000 1100 #14 T
141 97 01100001 1100 #14 T
142 98 01100010 1100 #14 T
143 99 01100011 1100 #14 T
144 100 01100100 1100 #14 T
145 101 01100101 1100 #14 T
146 102 01100110 1100 #14 T
147 103 01100111 1100 #14 T
150 104 01101000 1100 #14 T
151 105 01101001 1100 #14 T
152 106 01101010 1100 #14 T
153 107 01101011 1100 #14 T
154 108 01101100 1100 #14 T
155 109 01101101 1100 #14 T
156 110 01101110 1100 #14 T
157 111 01101111 1100 #14 T
160 112 01110000 1100 #14 T
161 113 01110001 1100 #14 T
162 114 01110010 1100 #14 T
163 115 01110011 1100 #14 T
164 116 01110100 1100 #14 T
165 117 01110101 1100 #14 T
166 118 01110110 1100 #14 T
167 119 01110111 1100 #14 T
170 120 01111000 1100 #14 T
171 121 01111001 1100 #14 T
172 122 01111010 1100 #14 T
173 123 01111011 1100 #14 T
174 124 01111100 1100 #14 T
175 125 01111101 1100 #14 T
176 126 01111110 1100 #14 T
177 127 01111111 1100 #14 T

```

15

```

*****
****// A(PIN #05) IS CONB STACKFLOW (1)L
****// B(PIN #06) IS CONB PDWN SYNC (1)L
****// C(PIN #07) IS CONI LCLK INT (1)L
****// D(PIN #04) IS CONE STOP (1)L
****// E(PIN #03) IS OPH RCD INT (1)L
****// F(PIN #02) IS OPH XMIT INT (1)L
****// G(PIN #01) IS OPH WAIT L
// H(PIN #15) IS OPE T DEL (1)L

```

```

/( #Y4 (PIN # 9) CONF MPC 04 L
*/( #Y5 (PIN #10) CONF MPC 01 L
**/( #Y2 (PIN #11) CONF MPC 02 L
***/( #Y1 (PIN #12) CONF MPC 00 L
****
OCTAL
****
DATA

```

OCTAL ADDRESS	DECIMAL ADDRESS	HEXEDCBA	OCTAL	DATA
200	120	10000000	1001	011 STKFL
201	121	10000001	1010	012 PWRP
202	122	10000010	1001	011 STKFL
203	123	10000011	1011	013 LCLK
204	124	10000100	1001	011 STKFL
205	125	10000101	1010	012 PWRP
206	126	10000110	1001	011 STKFL
207	127	10000111	0101	005 RCD
210	130	10001000	1001	011 STKFL
211	131	10001001	1010	012 PWRP
212	132	10001010	1001	011 STKFL
213	133	10001011	1011	013 LCLK
214	134	10001100	1001	011 STKFL
215	135	10001101	1010	012 PWRP
216	136	10001110	1001	011 STKFL
217	137	10001111	0101	005 RCD
220	140	10010000	1001	011 STKFL
221	141	10010001	1010	012 PWRP
222	142	10010010	1001	011 STKFL
223	143	10010011	1011	013 LCLK
224	144	10010100	1001	011 STKFL
225	145	10010101	1010	012 PWRP
226	146	10010110	1001	011 STKFL
227	147	10010111	0111	007 XMIT
230	150	10011000	1001	011 STKFL
231	151	10011001	1010	012 PWRP
232	152	10011010	1001	011 STKFL
233	153	10011011	1011	013 LCLK
234	154	10011100	1001	011 STKFL
235	155	10011101	1010	012 PWRP
236	156	10011110	1001	011 STKFL
237	157	10011111	0111	007 XMIT

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240	160	10100000	1001	011 STKFL
241	161	10100001	1010	012 PWRP
242	162	10100010	1001	011 STKFL
243	163	10100011	1011	013 LCLK
244	164	10100100	1001	011 STKFL
245	165	10100101	1010	012 PWRP
246	166	10100110	1001	011 STKFL
247	167	10100111	0101	005 RCD
250	160	10101000	1001	011 STKFL
251	161	10101001	1010	012 PWRP
252	162	10101010	1001	011 STKFL
253	163	10101011	1011	013 LCLK
254	164	10101100	1001	011 STKFL
255	165	10101101	1010	012 PWRP
256	166	10101110	1001	011 STKFL
257	167	10101111	0101	005 RCD
260	170	10110000	1001	011 STKFL
261	171	10110001	1010	012 PWRP
262	172	10110010	1001	011 STKFL
263	173	10110011	1011	013 LCLK
264	174	10110100	1001	011 STKFL
265	175	10110101	1010	012 PWRP
266	176	10110110	1001	011 STKFL
267	177	10110111	1110	016 STOP
270	180	10111000	1001	011 STKFL
271	181	10111001	1010	012 PWRP
272	182	10111010	1001	011 STKFL
273	183	10111011	1011	013 LCLK
274	184	10111100	1001	011 STKFL
275	185	10111101	1010	012 PWRP
276	186	10111110	1001	011 STKFL
277	187	10111111	0010	002 WAIT

16

```

*****
****/( A(PIN #05) IS CONB STACKFLOW (1)L
****/( B(PIN #06) IS CONB PWRN SYNC (1)L
****/( C(PIN #07) IS CONB LCLK INT (1)L
****/( D(PIN #04) IS CONB STOP (1)L
****/( E(PIN #03) IS DPH RCD INT (1)L
**/( F(PIN #02) IS DPH XMIT INT (1)L
*/( G(PIN #01) IS DPH WAIT L
/( H(PIN #15) IS DPE Y DEL (1)L

```


/(BY4 (PIN # 9) CONF MPC #4 L
*/(BY3 (PIN #10) CONF MPC #1 L
**/(BY2 (PIN #11) CONF MPC #2 L
***/(BY1 (PIN #12) CONF MPC #0 L

OCTAL ADDRESS	DECIMAL ADDRESS	HGFEDCBA	OCTAL DATA	DATA
300	192	11000000	1001	011 STKFL
301	193	11000001	1010	012 PWRP
302	194	11000010	1001	011 STKFL
303	195	11000011	1011	013 LCLK
304	196	11000100	1001	011 STKFL
305	197	11000101	1010	012 PWRP
306	198	11000110	1001	011 STKFL
307	199	11000111	0101	005 RCD
310	200	11001000	1001	011 STKFL
311	201	11001001	1010	012 PWRP
312	202	11001010	1001	011 STKFL
313	203	11001011	1011	013 LCLK
314	204	11001100	1001	011 STKFL
315	205	11001101	1010	012 PWRP
316	206	11001110	1001	011 STKFL
317	207	11001111	0101	005 RCD
320	208	11010000	1001	011 STKFL
321	209	11010001	1010	012 PWRP
322	210	11010010	1001	011 STKFL
323	211	11010011	1011	013 LCLK
324	212	11010100	1001	011 STKFL
325	213	11010101	1010	012 PWRP
326	214	11010110	1001	011 STKFL
327	215	11010111	0111	007 XMIT
330	216	11011000	1001	011 STKFL
331	217	11011001	1010	012 PWRP
332	218	11011010	1001	011 STKFL
333	219	11011011	1011	013 LCLK
334	220	11011100	1001	011 STKFL
335	221	11011101	1010	012 PWRP
336	222	11011110	1001	011 STKFL
337	223	11011111	0111	007 XMIT

~~17~~ 17

340	224	11100000	1001	011 STKFL
341	225	11100001	1010	012 PWRP
342	226	11100010	1001	011 STKFL
343	227	11100011	1011	013 LCLK
344	228	11100100	1001	011 STKFL
345	229	11100101	1010	012 PWRP
346	230	11100110	1001	011 STKFL
347	231	11100111	0101	005 RCD
350	232	11101000	1001	011 STKFL
351	233	11101001	1010	012 PWRP
352	234	11101010	1001	011 STKFL
353	235	11101011	1011	013 LCLK
354	236	11101100	1001	011 STKFL
355	237	11101101	1010	012 PWRP
356	238	11101110	1001	011 STKFL
357	239	11101111	0101	005 RCD
360	240	11110000	1001	011 STKFL
361	241	11110001	1010	012 PWRP
362	242	11110010	1001	011 STKFL
363	243	11110011	1011	013 LCLK
364	244	11110100	1001	011 STKFL
365	245	11110101	1010	012 PWRP
366	246	11110110	1001	011 STKFL
367	247	11110111	1110	016 STOP
370	248	11111000	1001	011 STKFL
371	249	11111001		

~~17~~ 17

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE	
MODULE UTILIZATION	D.MJ.MM11.L.1
BLOCK DIAGRAM	D.BD.MM11.L.2
TIMING DIAGRAM	D.TD.MM11.L.3
* MEMORY DRIVERS	E.SC.G231.O.1
* CONTROL & DATA LOOPS	E.CS.G110.O.1
STACK SCHEMATIC	E.CS.H213.O.1
STACK SCHEMATIC	E.CS.H214.O.1
BLOCK DIAGRAM	D.BD.MM11.S.2
SK MEMORY	A.PL.MM11.L.0

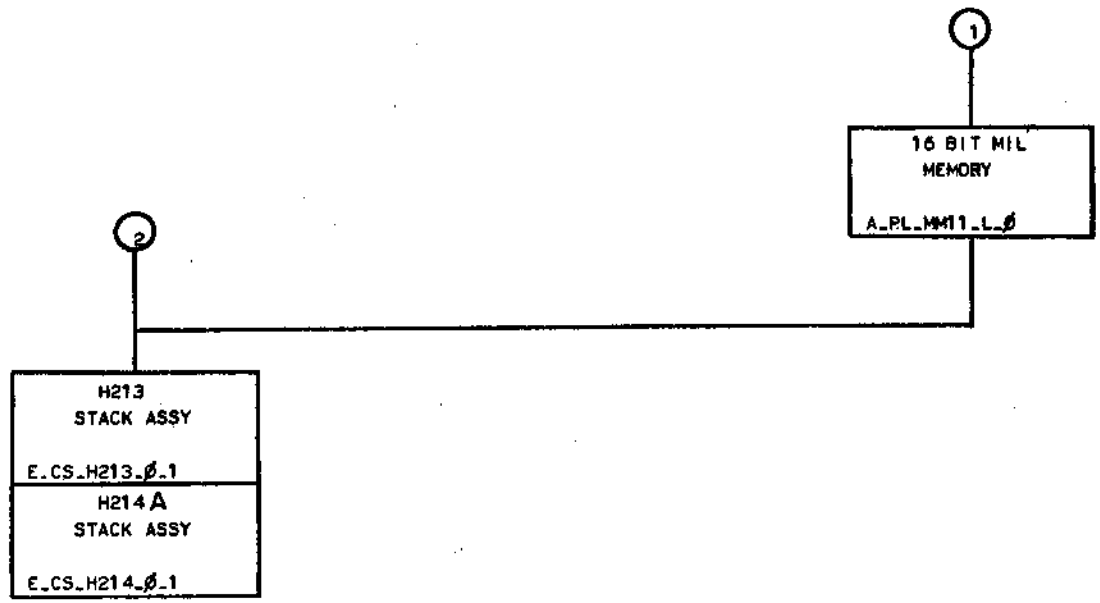
SEQUENCE
MFG. PRINT SET
MFG. TEST PRO. FOR MM11/K,L,M,S,ESP
ASP-MM11-L-5

UNIT VARIATIONS		PRINT SET TYPE			
VARIATION	TITLE	MM11.L			
MM11_K	4K 16 BIT 18 MIL MEMORY	X			
MM11_L	8K 16 BIT 18 MIL MEMORY	X			

* SPECIAL REVISION PRINTS ARE AVAILABLE ON C ETCH REV. MODULES.
CARE SHOULD BE TAKEN TO INSURE THAT PROPER PRINTS ARE ORDERED.

REVISIONS	CHG. NO.	REV	USED ON OPTION/MODEL	DRN.	DATE	TITLE
9-72	MM11L-00001	A	MM11_K	<i>X. Kalay</i>	1-25-72	16 BIT 18 MIL MEMORY
11-72	MM11L-00002	B	MM11_L	<i>X. Kalay</i>	1-25-72	
1-73	MISC-00107	C		PROJ ENG. <i>L. Duvvuri</i>	1-25-72	
2-73	MISC-00111	D		PROD L. <i>K. P. S. S.</i>	1-26-72	
2-73	MISC-00112	E		FIELD SERV. <i>W. P. S. S.</i>	1-26-72	
2-73	MISC-00113	F				
1-74	MM11L-3	H				
6-75	MM11L-5	J				

DRB 106



TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
16 BIT 10 MIL MEMORY	2	2	B	DD	A.M11.L	J

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL						
MII-L			MFG SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	MII-L			MFG SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X				1	D_MU_MM11_L.1	A	1	MODULE UTILIZATION						1	A_PL_MM11_L.0	A	1	MEMORY	
X					D_BO_MM11_L.2	A	1	BLOCK DIAGRAM											
X					D_TD_MM11_L.3	#	1	TIMING DIAGRAM							A_PS_3010654_0.0			PURCHASE SPEC	
X					E_CS_G231_0.1	#	5	MEMORY DRIVER											
X					E_CS_G110_0.1	#	5	CONTROL & DATA LOOPS											
X					D_BD_MM11_S.2	#	2	BLOCK DIAGRAM											
c							1							2	B_DD_H214_0.1	#	2	STACK SCHEMATIC	
X					A_PL_MM11_L.0		1	BK MEMORY							B_DD_H213_0	#	2	STACK SCHEMATIC	
					A-SP-MM11-1-7	A	4	PRELIM. ENG. SPEC. FOR MM11-K.L.											
X				2	E_CS_H213_0.1	#	2	STACK SCHEMATIC											
X					E_CS_H214_0.1	#	2	STACK SCHEMATIC							A-PL_G645_0-0		1	STACK BOARD	
					A-SP-G109-0-8		1	G109,G110 CONT & DATA LOOP MFG. SPEC.											
					A-SP-G231-0-8		1	MEMORY DRIVER MFG. SPEC.											
					A-SP-MM11-L-4		1	MM11-K,L,S & SP MFG. TEST SPEC.											
			X		A-SP-MM11-L-5		29	MFG. TEST PRO. MM11/KLMS&SP											

TITLE: 16 BIT 10 MIL MEMORY
 SHEET 3 OF 3
 SIZE CODE: 8 DD
 NUMBER: MM11-L
 REV: J

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PIN SIDE VIEW OF BACKPLANE

THESE 2 SLOTS ARE UNIBUS WIRED ON ALL 3 CONNECTORS

F		E		D		C		B		A	
SIDE 1	SIDE 2	SIDE 1	SIDE 2	SIDE 1	SIDE 2	SIDE 1	SIDE 2	SIDE 1	SIDE 2	SIDE 1	SIDE 2
Y	U	Y	U	Y	U	Y	U	Y	U	Y	U
T	S	T	S	T	S	T	S	T	S	T	S
R	P	R	P	R	P	R	P	R	P	R	P
N	M	N	M	N	M	N	M	N	M	N	M
L	K	L	K	L	K	L	K	L	K	L	K
J	H	J	H	J	H	J	H	J	H	J	H
F	E	F	E	F	E	F	E	F	E	F	E
D	C	D	C	D	C	D	C	D	C	D	C
B	A	B	A	B	A	B	A	B	A	B	A
5V	5V	5V	5V	5V	5V	5V	5V	5V	5V	5V	5V
15V	15V	15V	15V	15V	15V	15V	15V	15V	15V	15V	15V
15V	15V	15V	15V	15V	15V	15V	15V	15V	15V	15V	15V

H213, H214 OR H215 STACK
(F, E, D, C) (QUAD B 1/2)
UNIBUS CONN OR TERM (A, B)

DRIVE
(F, E, D, C, B, A) (HEX B 1/2)
G2 B1

SENSE-CONTROL
(F, E, D, C, B, A) (HEX B 1/2)
G1 B1

REVISIONS

CHK	CHANGE NO	REV
JJ	MM11-00005 A	A
JJ	6.02.75	
	P DURANT	
	10-15-75	

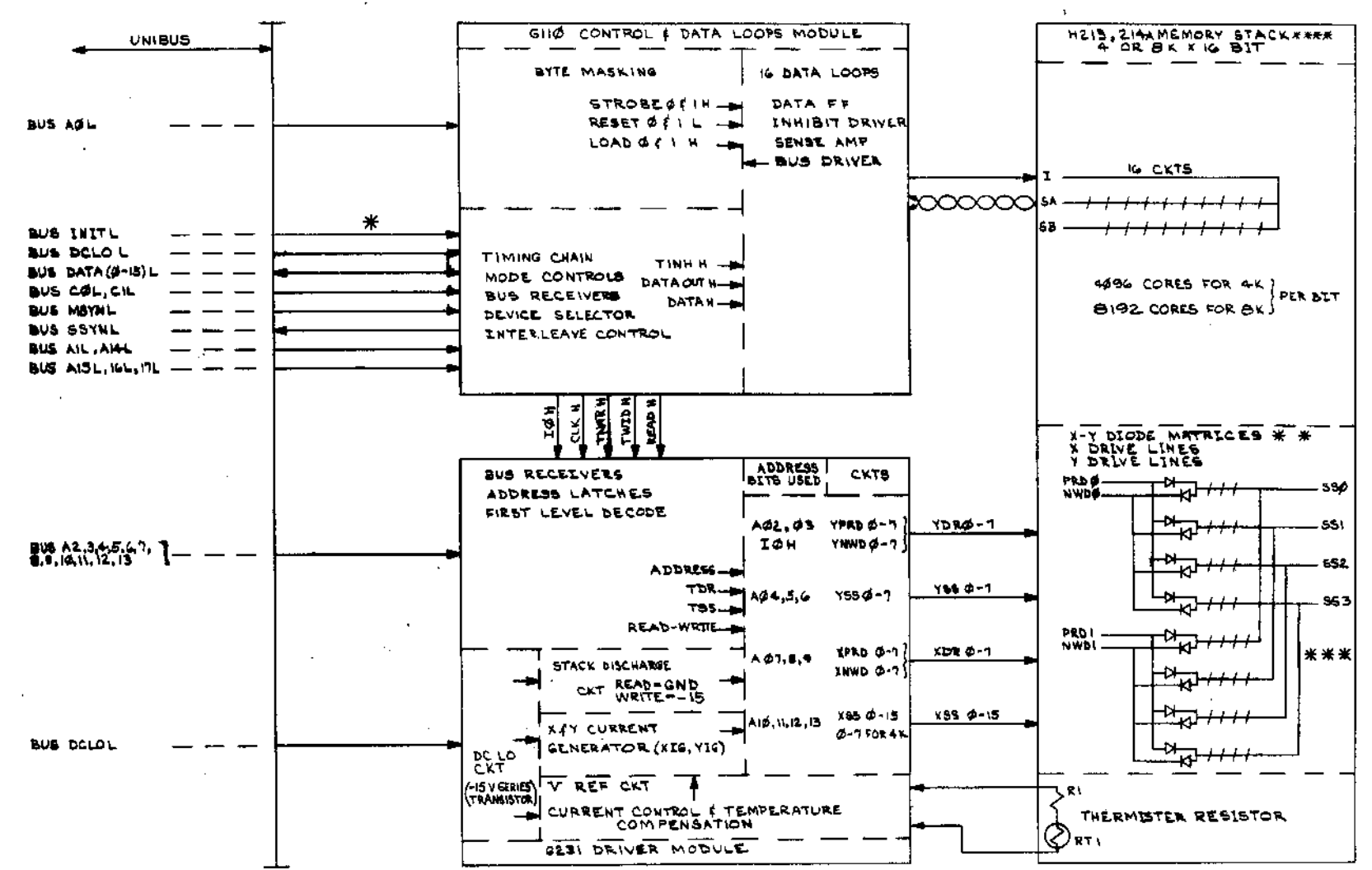
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MM11-L				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE 1/29/74		
.XX - .006	10' 30"	DATE 1-24-73		
.X - .01		DATE 1-25-72		
REMOVES BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE		SIZE CODE		REV
SHEET 1 OF 1		D-MU-MM11-L-1		A
		DIST		

digital EQUIPMENT CORPORATION
TITLE
MODULE UTILIZATION

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2-7-1 MMII-L-2

NOTE 5:
 *1. ALL ARROWS SHOW SIGNAL FLOW DIRECTION.
 **2. MATRIX SHOWN IS FOR ILLUSTRATION ONLY.
 ***3. ACTUAL MATRIX HAS
 { Y AXIS 8PRD, 8NRD, 8SS
 X AXIS 4K 8PRD, 8NRD, 8SS
 X AXIS 8K 8PRD, 8NRD, 16SS
 ****4. H214A IS A DESIGNATOR FOR EITHER AN H214 OR H215 MEMORY STACK, SEE E-CS-H214-0-1



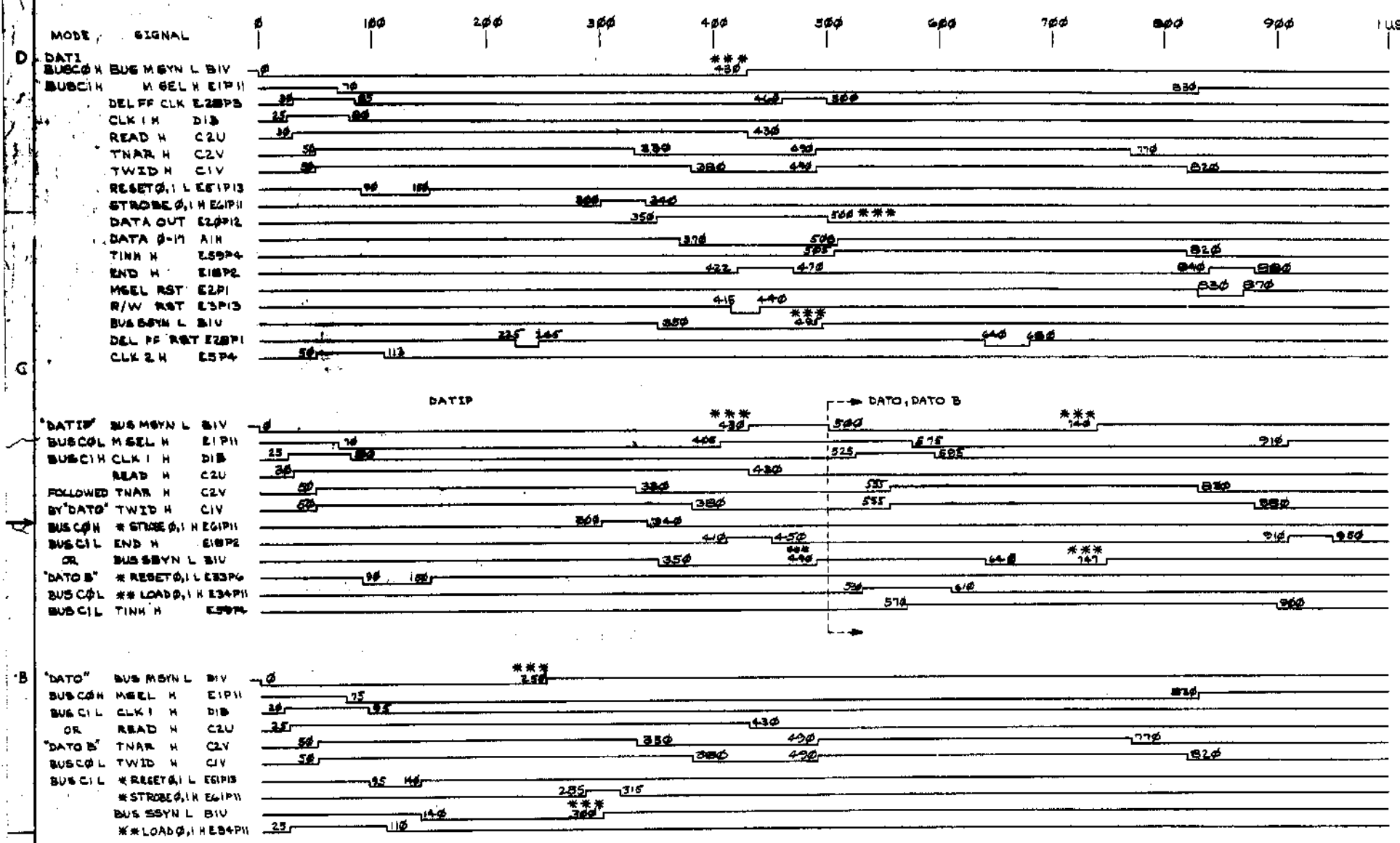
REV	CHG	NO
A	0000	0000
B	0001	0001
C	0002	0002
D	0003	0003
E	0004	0004
F	0005	0005
G	0006	0006
H	0007	0007
I	0008	0008
J	0009	0009
K	0010	0010
L	0011	0011
M	0012	0012
N	0013	0013
O	0014	0014
P	0015	0015
Q	0016	0016
R	0017	0017
S	0018	0018
T	0019	0019
U	0020	0020
V	0021	0021
W	0022	0022
X	0023	0023
Y	0024	0024
Z	0025	0025

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
MMII-L				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE	TITLE	
.XXX - .000	±0° 30'	1-15-72	BLOCK DIAGRAM	
.XX - .01		1-23-71		
.X - .1		1-25-71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH		SCALE	SIZE CODE	NUMBER
			DBD	MMII-L-2
SHEET		OF	DIST	REV.
				A

DEC FORM NO. DRD 300-B

See drawing for specifications, notes, on the part of Digital Equipment Corporation and shall neither be modified or copied or used in whole or in part as the basis for the manufacture of parts of same without written permission.

2-1-11MMII-L-3
10000000

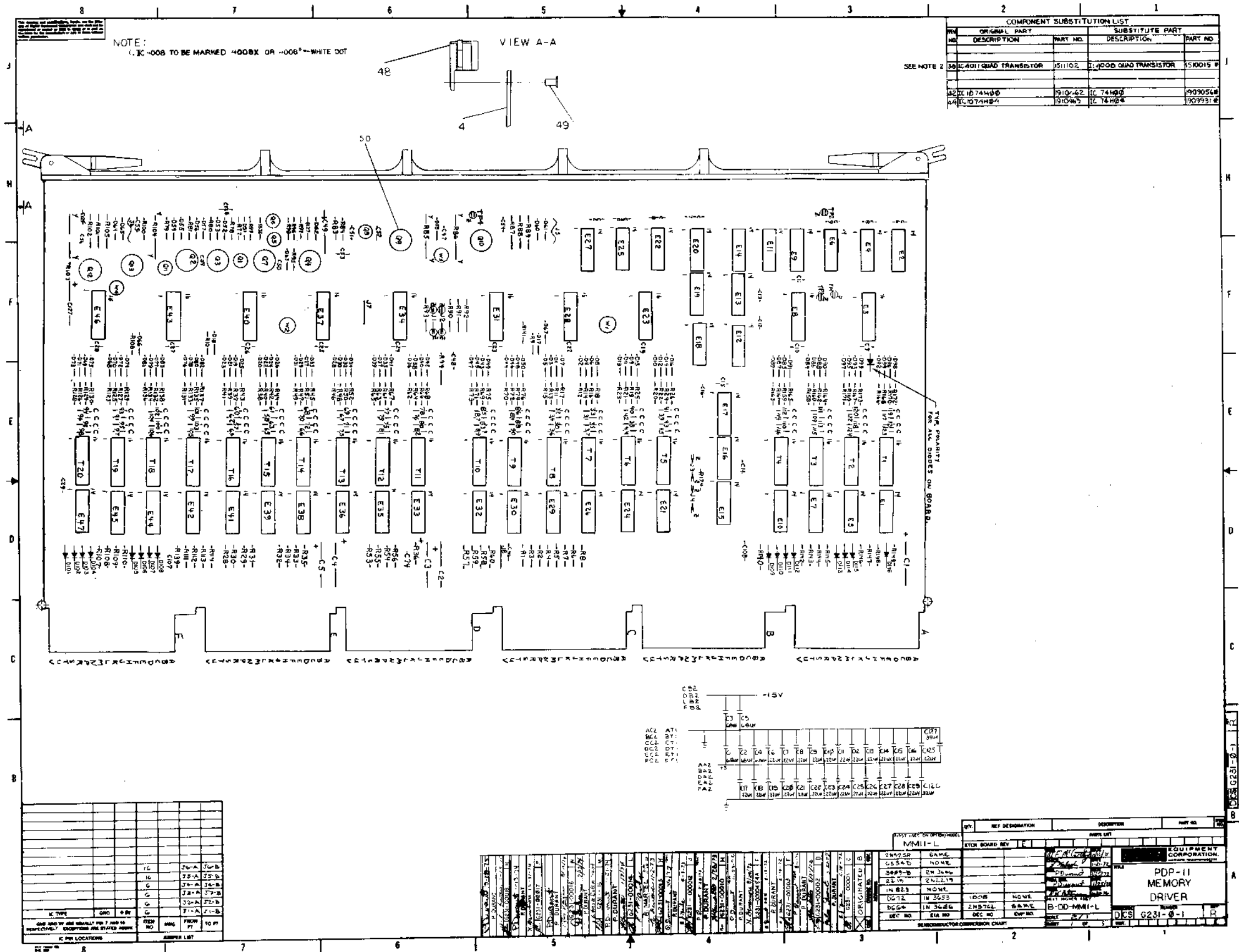


- NOTES:
1. ANY SIGNALS NOT SHOWN ON DATIP, DATO OR DATO B ARE AS SHOWN ON DATI TIMING.
 2. RESET L AND STROBE H DO NOT OCCUR IN DATO MODE. THEY ONLY OCCUR FOR THE BYTE NOT BEING ADDRESSSED IN DATO B MODE.
 3. LOAD H OCCURS FOR BOTH BITS IN DATO MODE AND ONLY FOR THE ADDRESSSED BYTE IN THE DATO B MODE.
 4. ACTUAL TIME DEPENDS ON BUS AND PROCESSOR DELAYS.
 5. ALL SIGNALS ON 6109 OR 6110 MODULE

REV	DATE

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
MMII-L				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN CHKD	DATE 1/23/72	DIGITAL EQUIPMENT CORPORATION BOSTON, MASSACHUSETTS	
DECIMALS ANGLES	ENG P. D. WILSON	DATE 1-27-72	TITLE TIMING DIAGRAM	
.XX - .006 .XX - .02 .X - .1	PROJ. ENG. P. D. WILSON	DATE 1-23-72	NUMBER D TD MMII-L-3	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. R. PETERSON	DATE 1-27-72	REV (MMII-L, MMII-K)	
MATERIAL	NEXT HIGHER ASSY.	SCALE	SIZE CODE	NUMBER
	B-DD-MMII-L		D TD	MMII-L-3
FINISH	SHEET	OF	DIST	
	1	1		

REV 10000000
OCC 10000000
DND 10000000



NOTE:
 1. IC -008 TO BE MARKED -008X OR -008° - WHITE DOT

VIEW A-A

COMPONENT SUBSTITUTION LIST

NO.	ORIGINAL PART	PART NO.	SUBSTITUTE PART	PART NO.
36	IC 4011 QUAD TRANSISTOR	151102	IC 4000 QUAD TRANSISTOR	1510015 P
42	IC 7440	191042	IC 7440	1909054
44	IC 7440	191045	IC 7440	1909931

SEE NOTE 2

FOR ALL PARTS
 FOR ALL ORDERS ON BOARD

IC PIN LOCATIONS

IC NO.	IC TYPE	QTY	FROM	TO
1	74-A	1	74-A	74-B
2	74-A	1	74-A	74-B
3	74-A	1	74-A	74-B
4	74-A	1	74-A	74-B
5	74-A	1	74-A	74-B
6	74-A	1	74-A	74-B
7	74-A	1	74-A	74-B
8	74-A	1	74-A	74-B
9	74-A	1	74-A	74-B
10	74-A	1	74-A	74-B

RESISTOR LIST

RESISTOR NO.	RESISTOR VALUE	QTY	FROM	TO
1	100K	1	100K	100K
2	100K	1	100K	100K
3	100K	1	100K	100K
4	100K	1	100K	100K
5	100K	1	100K	100K
6	100K	1	100K	100K
7	100K	1	100K	100K
8	100K	1	100K	100K
9	100K	1	100K	100K
10	100K	1	100K	100K

REPRODUCER CONNECTION CHART

REF. DESIGNATION	DESCRIPTION	PART NO.
1
2
3
4
5
6
7
8
9
10

REVISION HISTORY

REV.	DESCRIPTION	DATE
1
2
3
4
5
6
7
8
9
10

DCS 6231-0-1 R

PDP-11
 MEMORY
 DRIVER
 DCS 6231-0-1 R

8 7 6 5 4 3

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REV. 1 - 0-1220530 2

D
C
B
A

D
C
B
A

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
4	C127	SCREW, NYLON, #6 - 32	9008212	55
1	C56	CAP., 39 UF, 10V	1000076	56
1	C52	CAP., 680 PF, 100V, 5%	1000028	57
1	C52	CAP., 470 PF, 100V, 5%	1000024	58
2	J7, J8	JUMPER WASH, INSERTED	9009185	59
1	R176	RES., 4.7K, 1/4W, 5%	1300447	60
2	J5, J6	#22 ANG., STRANDED TEFLON INSULATED	1700035-00	61

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF		X-Y COORDINATE HOLE LOCATION	K-CO-0231-04	1
REF		ASSY DRILLING HOLE LAYOUT	E-M-0231-05	2
REF		WARRANTY FOR HISTORY	P-AM-0231-06	3
1		ETCHED CIRCUIT BOARD	5089700	4
2	G51, C55	CAP., 39PF, 100V, 5% OM	1009010	5
A/R		WIRE JUMPER WASH #22 SOLID	9107560-01	6
80	C30-C45, C57, C58, C59-C73, C75-C106, C109-C124	CAP. 1000PF, 100V, 5% OM	1000042	7
36	C5-C29, C46, C47, C48, C50, C53, C54, C74, C107, C108, C125, C126, C55	CAP., 22UF, 50V, -20%, 8P	1010274	8
6	C1-C5, C49	CAP., 6.8 MFD, 35V, 20%	1000067	9
80	D1-D16, D19-D54, D56, D57, D62, D63, D68-D99	DIODE, 0864	1100114	10
25	D17, D18, D55, D60, D61, D64-D67, D101-D116	DIODE, 0672	1105275	11
1	D58	DIODE, 1N823, ZENOR	1105508	12
				13
41	R1-R8, R28-R35, R53-R60, R66, R107-R114, R142-R149	RES., 150, 1/4W, 5%	1300290	14
3	R70, R90, R98	RES., 330, 1/4W, 5%	1300295	15
1	Q6	TRANS., 6534C	1503409-2	16
1	R93	RES., 470, 1/4W, 5%	1300315	17
3	R94, R99, R100	RES., 1.5K, 1/4W, 5%	1300391	18
1	R79	RES., 470, 1/4W, 10%	1300317	19
4	R87, R88, R101, R102	RES., 1.5K, 1/4W, 5%	1300394	20
1	R95	RES., 2.2K, 1/4W, 5%	1300417	21
1	R174	RES., 10K, 1/4W, 5%	1300479	22
1	R97	RES., 15K, 1/4W, 5%	1300496	23
3	R36, R130, R140	RES., 5.1, 1/4W, 5%	1309422	24
1	R92	RES., 750, 1/4W, 5%	1301401	25
4	R9, R10, R106, R141	RES., 600, 1/4W, 5%	1301424	26
2	R89, R105	RES., 2K, 1/4W, 5%	1302387	27
2	R90, R94	RES., 147, 1/8W, 1%	1302874	28
1	R91	RES., 909, 1/8W, 1%	1302885	29
1	R92	RES., 1.70K, 1/8W, 1%	1302872	30
4	R85, R86, R104, R103	RES., 16.9, 6W, 1%	1310032	31
1	Q4	TRANSISTOR, 2N119	1501801	32
3	Q2, Q3, Q7	TRANSISTOR, 1008	1502155	33
1	Q5	TRANSISTOR, 3800 R	1503100	34
1	Q1	TRANSISTOR, 6534 D	1503409	35
2	Q8, Q11	TRANSISTOR, 2N4258	1505321	36
4	Q9, Q10, Q12, Q13	TRANSISTOR, 2N3762	1509649	37
20	E1, E5, E7, E10, E21, E24, E26, E29, E30, E32, E33, E35, E36, E38, E39, E41, E42, E44, E45, E47	IC, 4011 QUAD TRANSISTOR	1511102 *	38
4	E9, E15, E16, E17	IC, DEC, 8840	1911469	39
20	T1-T20	TRANSFORMER	1609996	40
2	E22, E25	IC, 74H10	1909057	41
3	E2, E4, E27	IC, 1074000	1918462 *	42
10	E3, E6, E23, E28, E31, E34, E37, E40, E43, E46	IC, 8251-1	1909654	43
1	L5	IC, 1074004	1918463 *	44
7	E11-E14, E18, E19, E20	IC, 74H74	1909667	45
4		HEAT SINK	1210001	46
12		SPLIT LUGS	9006735	47
1		HANDLE	1210711-02	48
12		EYELET, #054-7, E.B. STIMPSON	9006732	49
4		TRANSIPAD	9007200	50
				51
				52
83	R11-R26, R37-R52, R61-R76, R123-R138, R158-R173, R77, R81, R27	RES 100, 1/4W, 5%	1300229	53
4	W1-W4	STANDOFF, THREADED, INSULATED, X 3 8 LG.	9006213	54

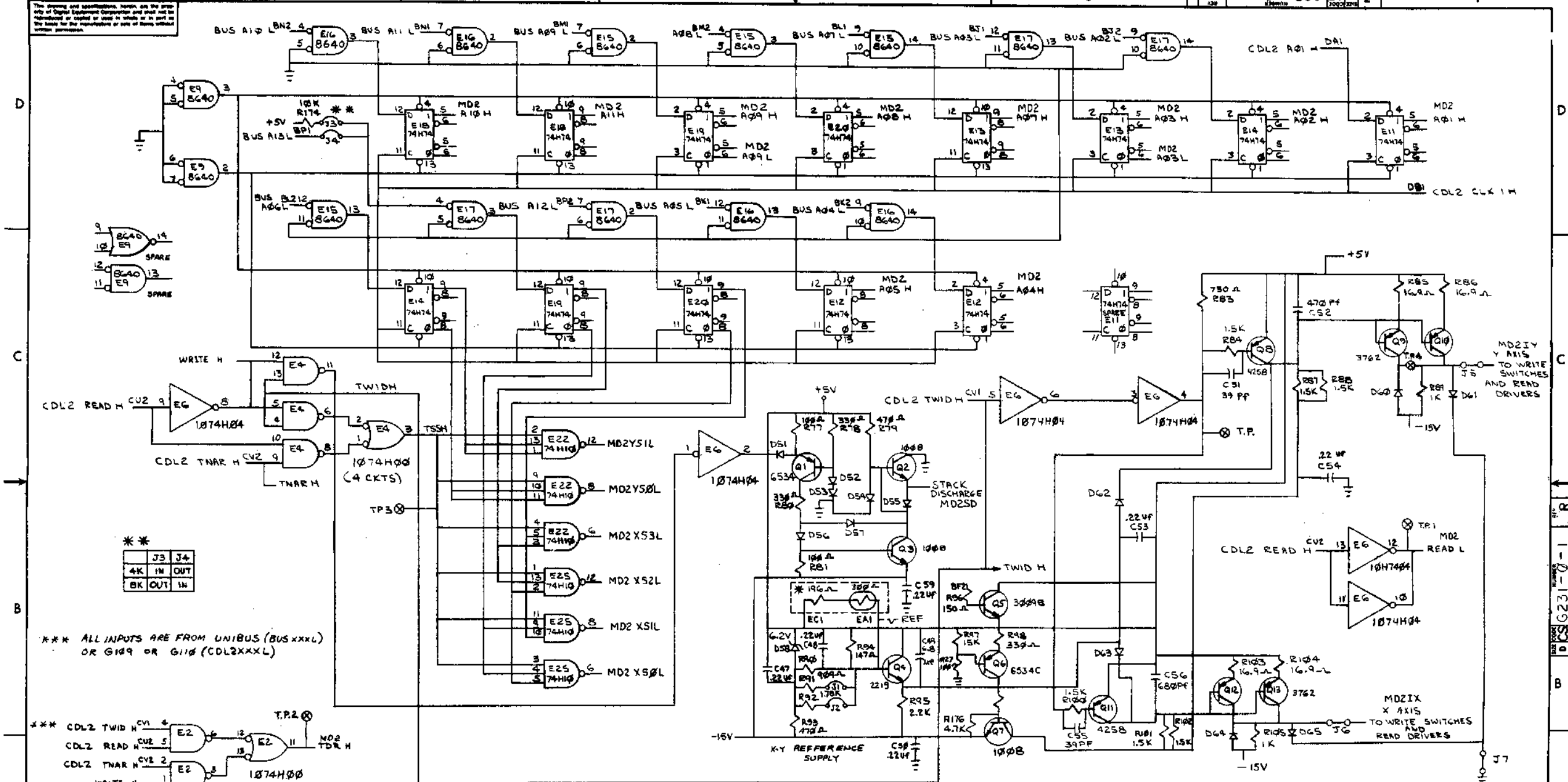
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE PDP-11 MEMORY DRIVER
 SCALE SHEET 2 OF 5
 SIZE CODE DCS
 NUMBER G231-0-1
 REV. R

8 7 6 5 4 3 2 1

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1-0-1825 G231-0-1



J3	J4
4K IN	OUT
BK OUT	IN

*** ALL INPUTS ARE FROM UNIBUS (BUS XXXL) OR G109 OR G110 (CDL2XXXL)

*** CDL2 TWID H CV1 4
 CDL2 READ H CV2 5
 CDL2 TNR H CV2 2
 WRITE H

1074H04 (3 CKTS.)

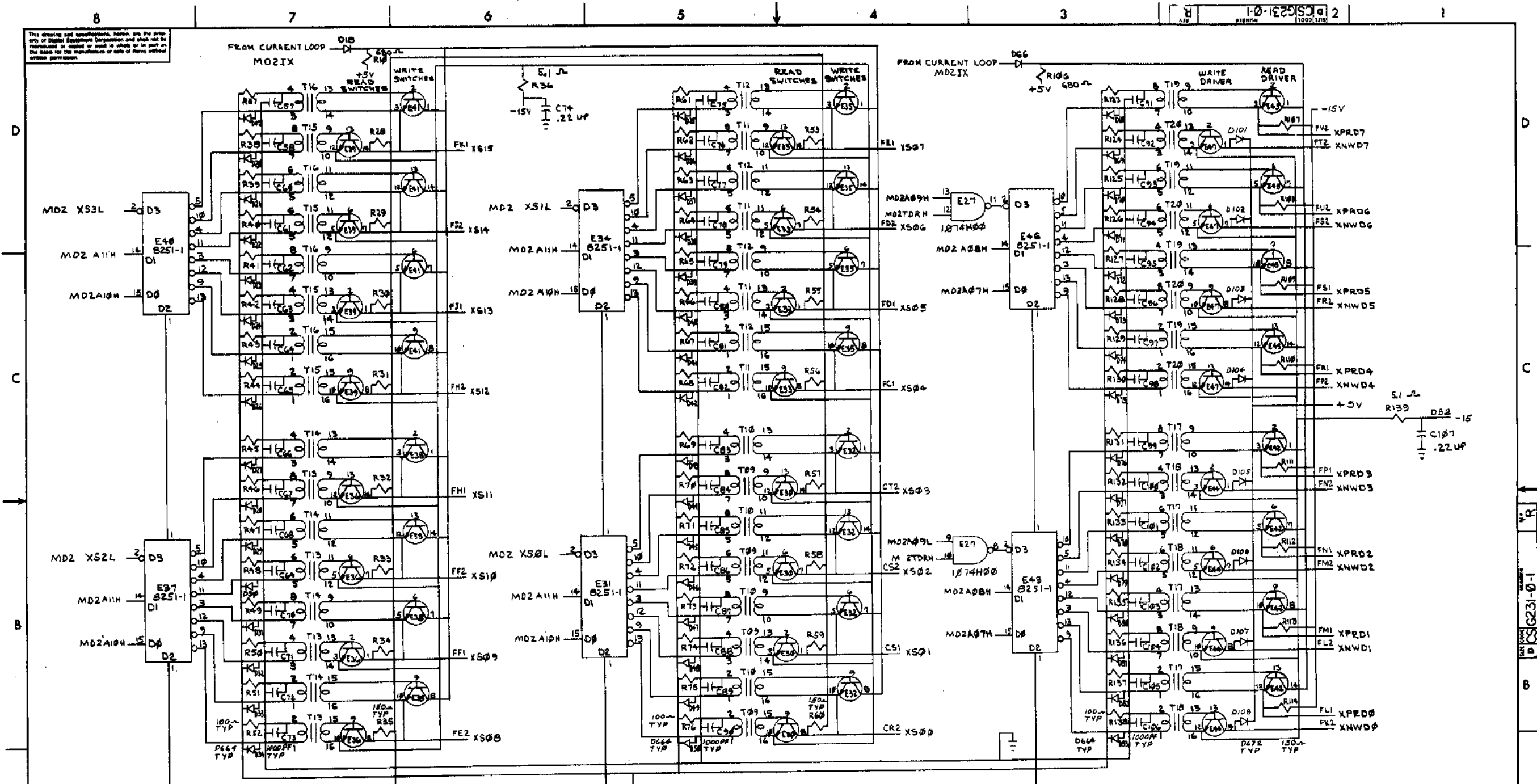
* THIS CIRCUIT IS ON STACK BOARD

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
XXX - .004	XX - .02	PDP-11 MEMORY DRIVER		
X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
FINISH				
SCALE		SIZE CODE		REV.
DMS 3 5		DCS G231-0-1		R

REVISIONS

NO.	CHANGE NO.	REV.

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ALL INPUTS FROM G231 SHEET 2 (MD2)
ALL OUTPUTS GO TO MEMORY STACK

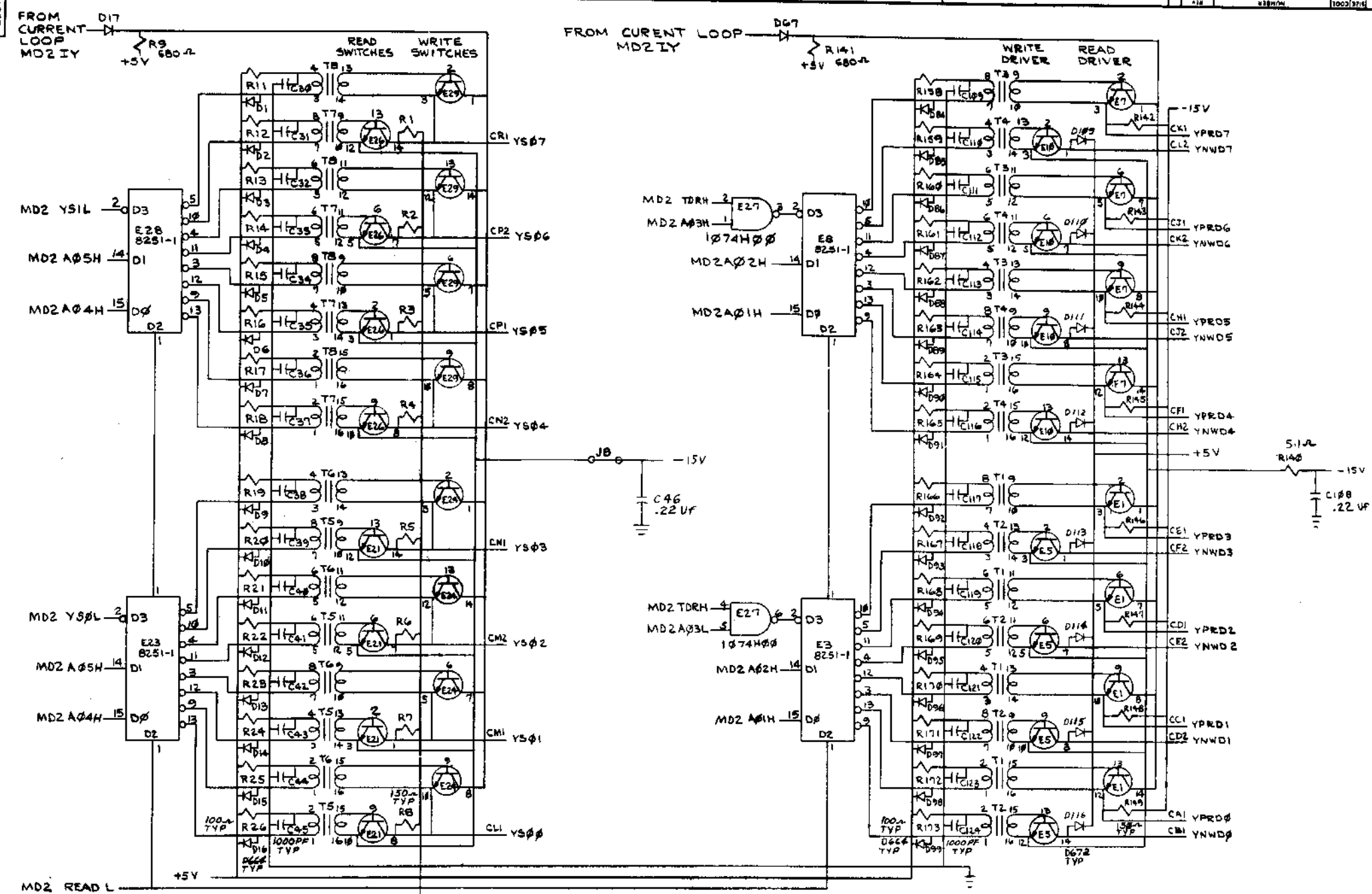
REV	CHG	NO

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE		
XXX - .008	X + .01	12-1-71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	PDP-11 MEMORY DRIVER	
MATERIAL		1-21-72		
FINISH		DATE	SIZE CODE NUMBER REV. DCS G231-0-1 R	
SCALE		1-25-72		
SHEET		DATE	DIST.	
4 OF 5		1-26-72		

DEC FORM NO. 102-B

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10-162050 2



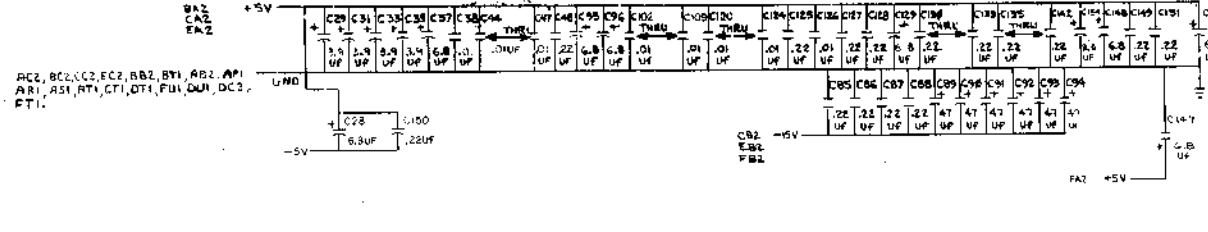
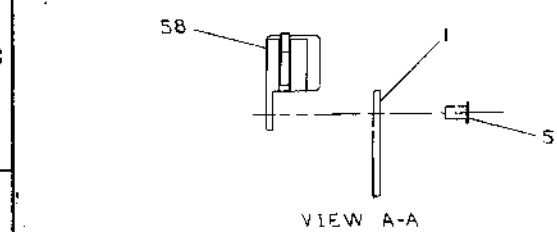
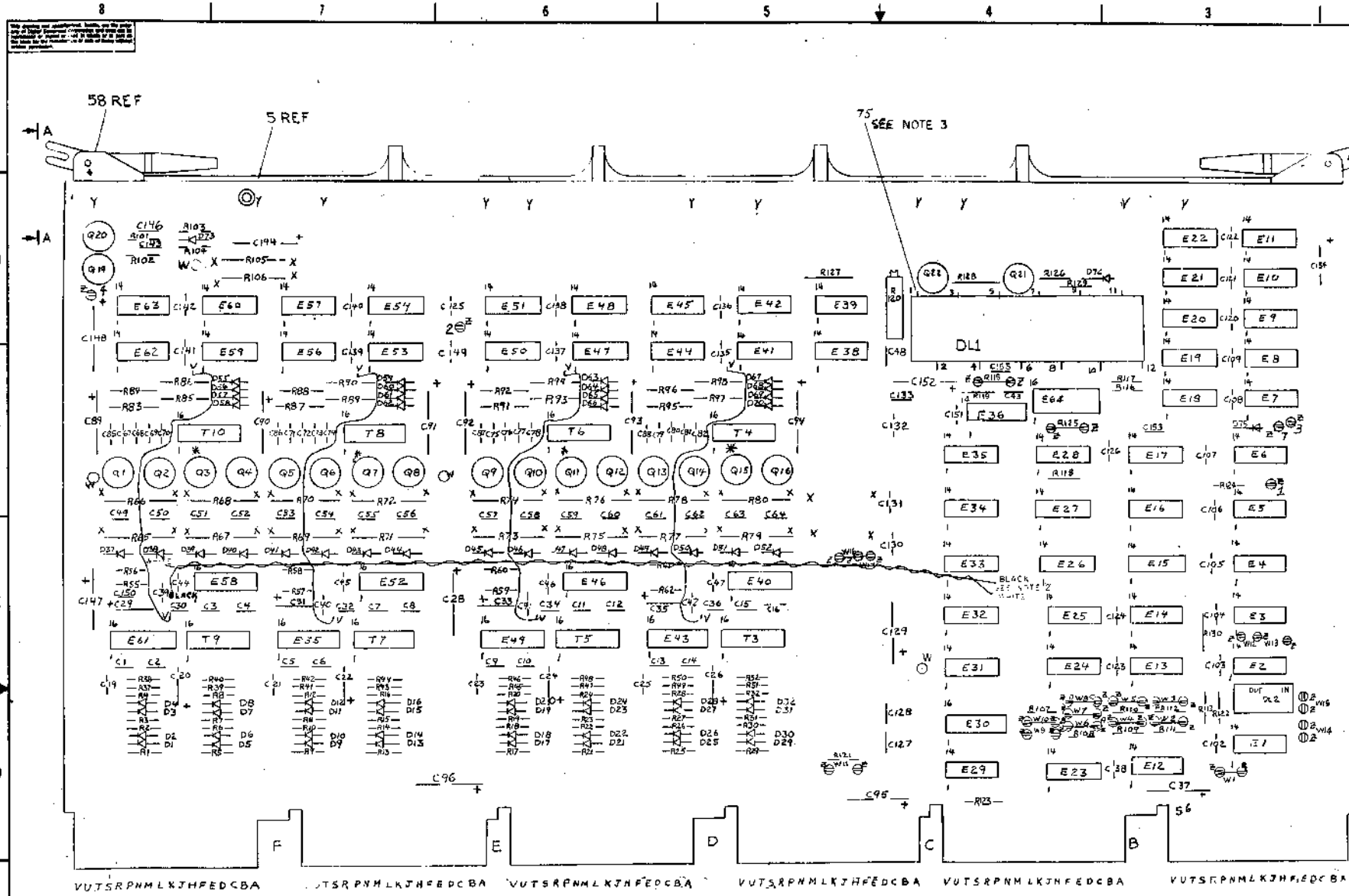
ALL INPUTS FROM G231 SHEET 2 (MD2)
ALL OUTPUTS TO MEMORY STACK

MD2 SD STACK DISCHARGE

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DATE 10/27/71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS ANGLES		DATE 1-21-72		
XXX - 006	10° 30'	DATE 1-25-72	TITLE PDP-11 MEMORY DRIVER	
XX - 02		DATE 1-25-72		
X - 1		DATE 1-25-72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE 1-26-72	SIZE CODE NUMBER DCS G231-0-1 REV R	
MATERIAL		DATE		
FINISH		SCALE	SHEET 5 OF 5	
		DIST.		

REV	
CHANGE NO.	
CHK	

DEC FORM NO
ORD 165-B



COMPONENT SUBSTITUTION LIST

ORIGINAL PART	PART NO	SUBSTITUTE PART	PART NO
Q1-Q10	2N3638	Q1-Q10	2N3638
R1-R100	RES 1/4W 5%	R1-R100	RES 1/4W 5%
C1-C100	CAP 100V 5%	C1-C100	CAP 100V 5%

NOTES:
 1. R115 AND R126 MAY BE CHANGED AT FINAL TEST. RESISTANCE RANGE WILL BE FROM 8.1K TO 14.7K.
 2. NO TWISTED WIRE PAIR WILL RUN UNDER THE TRAP BAR. WIRE JUMPER WIRES THE PIN SHOULD BE LAYED BETWEEN THE LINE OF WETZ 689 THROUGH D52 AND THE LINE OF 4.5K IN PLACE OF R115, R126 AND R61.
 3. USE SLEEVING 90278-01 OVER PIN1 OF DLI.
 4. DEC 74381L (151218-01) REPLACES SUBSTITUTION FOR 74381. QUANTITY: DEC 74381L 1424 5 IN PLACE OF DEC 74381.
 5. TRANSFACED USED UNDER Q1 THRU Q10 Q19, Q22.

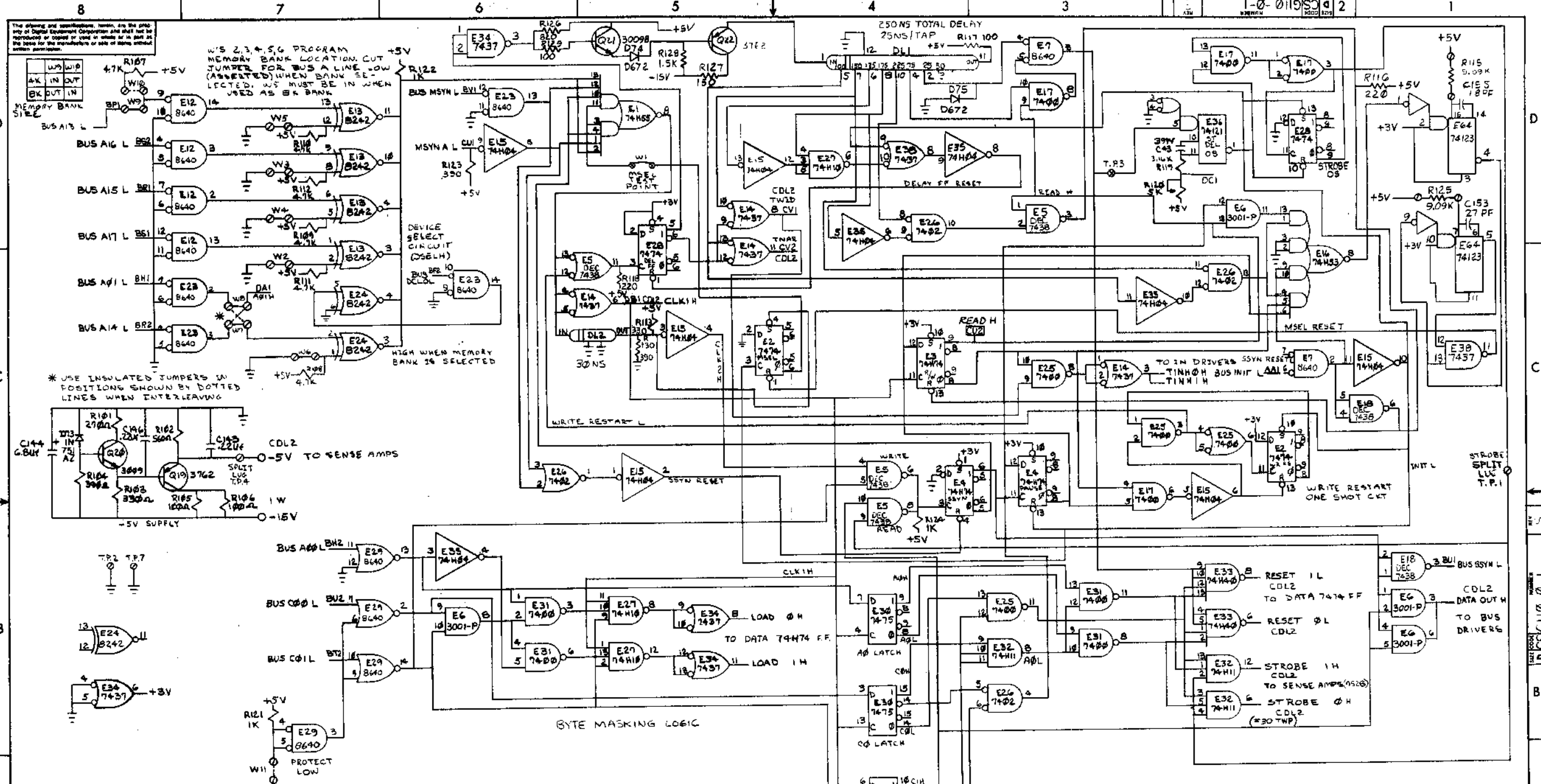
QTY	REF DESIGNATION	DESCRIPTION	PART NO.
1	E11	IC DEC 7402	100546
1	E10	IC DEC 7404	100547
1	E9	IC DEC 7410	100548
1	E8	IC DEC 7411	100549
1	E7	IC DEC 7412	100550
1	E6	IC DEC 7413	100551
1	E5	IC DEC 7414	100552
1	E4	IC DEC 7415	100553
1	E3	IC DEC 7416	100554
1	E2	IC DEC 7417	100555
1	E1	IC DEC 7418	100556
1	T1	TRANSFORMER	100557
1	T2	TRANSFORMER	100558
1	T3	TRANSFORMER	100559
1	T4	TRANSFORMER	100560
1	T5	TRANSFORMER	100561
1	T6	TRANSFORMER	100562
1	T7	TRANSFORMER	100563
1	T8	TRANSFORMER	100564
1	T9	TRANSFORMER	100565
1	T10	TRANSFORMER	100566

IC TYPE	QTY	FROM	TO
7475	2	5	
5389	9	16	
3640	1	9	

IC PIN LOCATIONS	JUMPER LIST
1	
2	
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100	

ETCH BOARD REV	DATE	BY	DESCRIPTION
MM11-L			
INT51A2			SAME
DEC 12			IN 2653
0664			IN 3606
DEC 12			EIA NO
DEC 12			EIA NO

EQUIPMENT CORPORATION
 CONTROL & DATA LOOPS
 C.D.L. 1



REV	CHG	NO

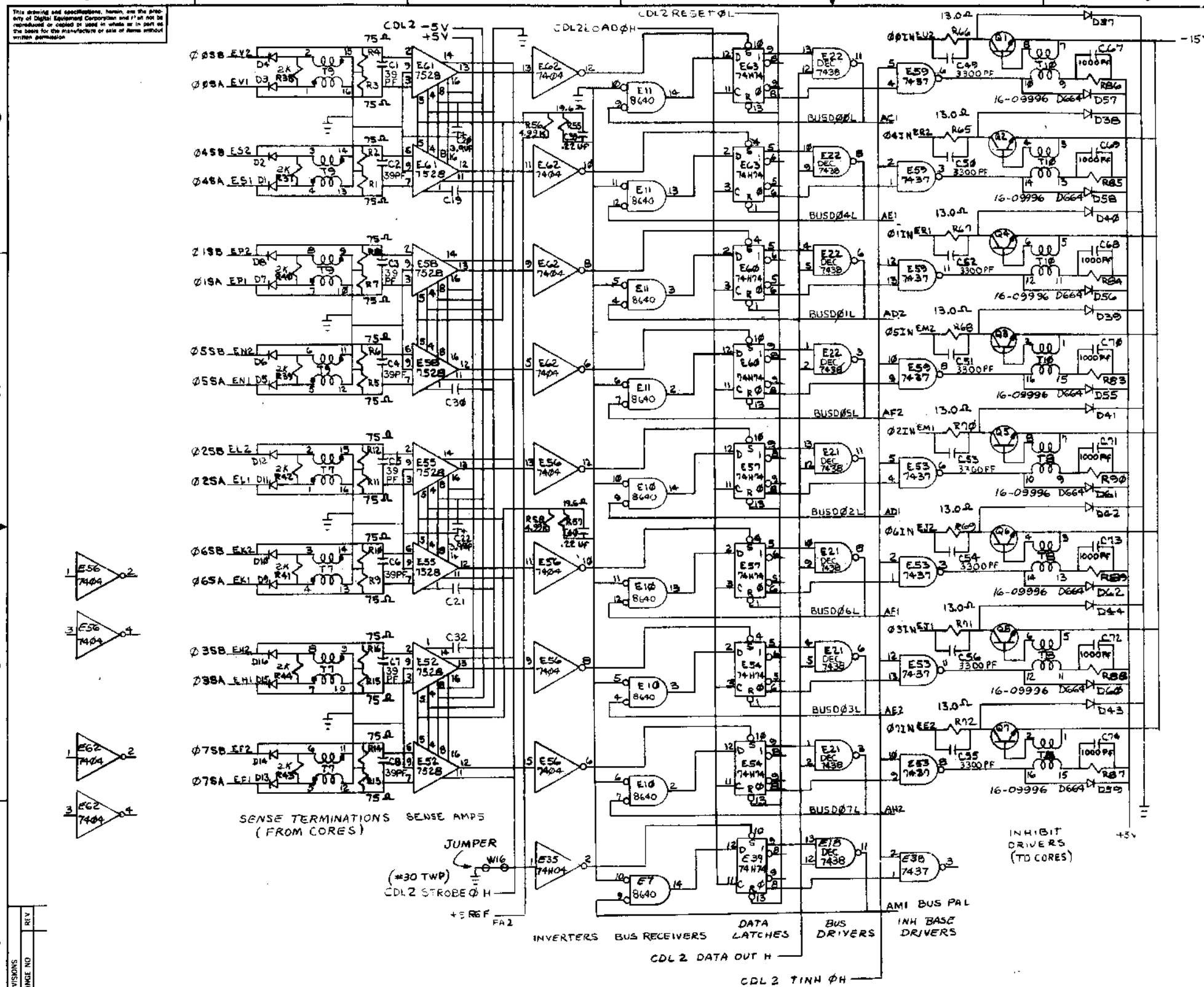
W12	W13	W14	W15	W16	W17
G110	OUT	OUT	OUT	OUT	IN

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MMII-L				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
XXX = .005	±0° 30'	CONTROL & DATA LOOPS		
XX = .02		CDL 2		
X = .1		REV. 5		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE				
SHEET 2 OF 4				

A

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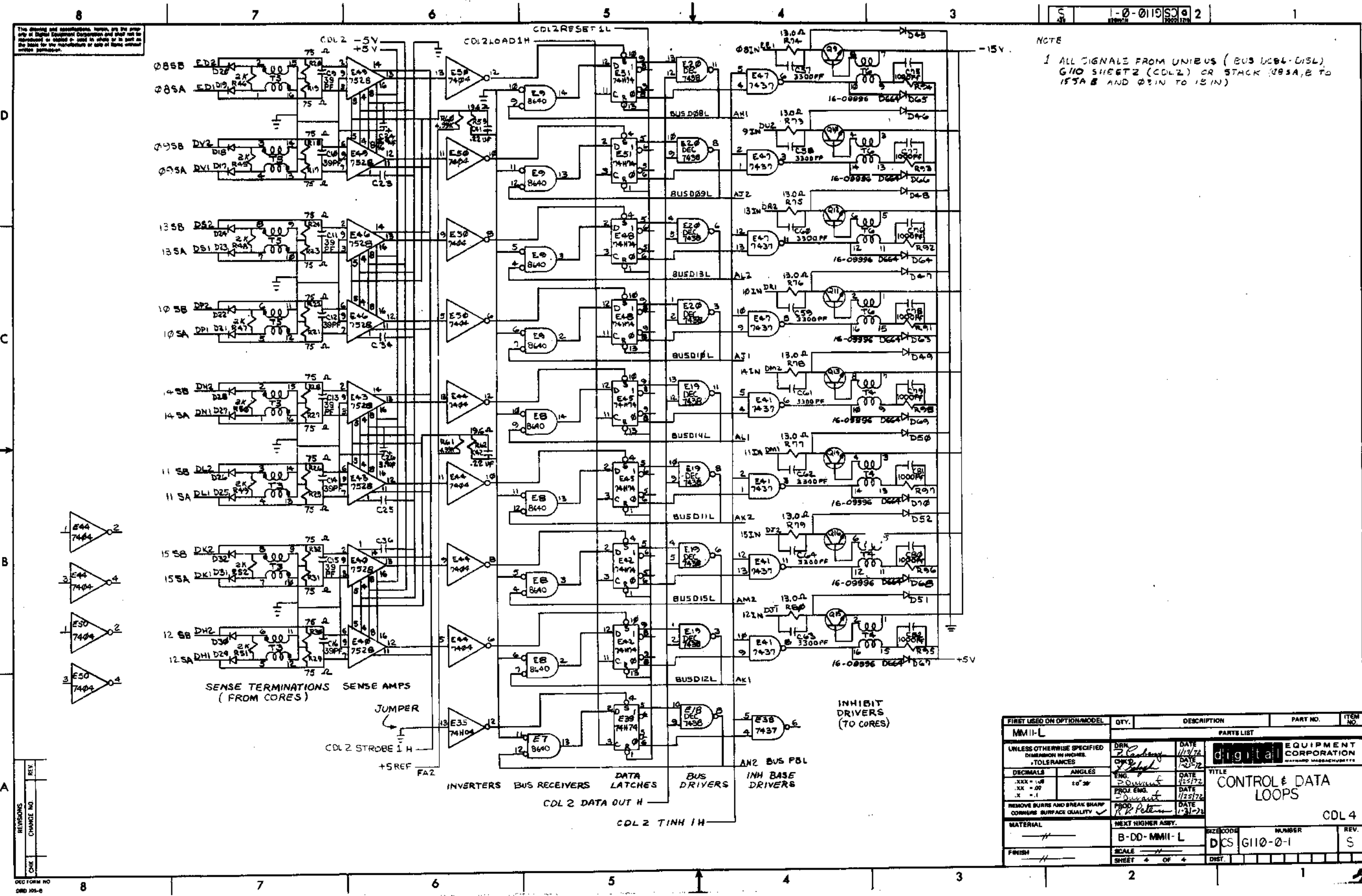
NOTE
 1 ALL SIGNALS FROM UNIBUS (BUS D00L TO BUS D07L), G10 SHEET 2 (CDL2) OR STACK (005A,E TO 075A,B AND 00IN TO 07IN)



REVISIONS	NO.	DATE
CHK		
CHANGE NO.		
RET		

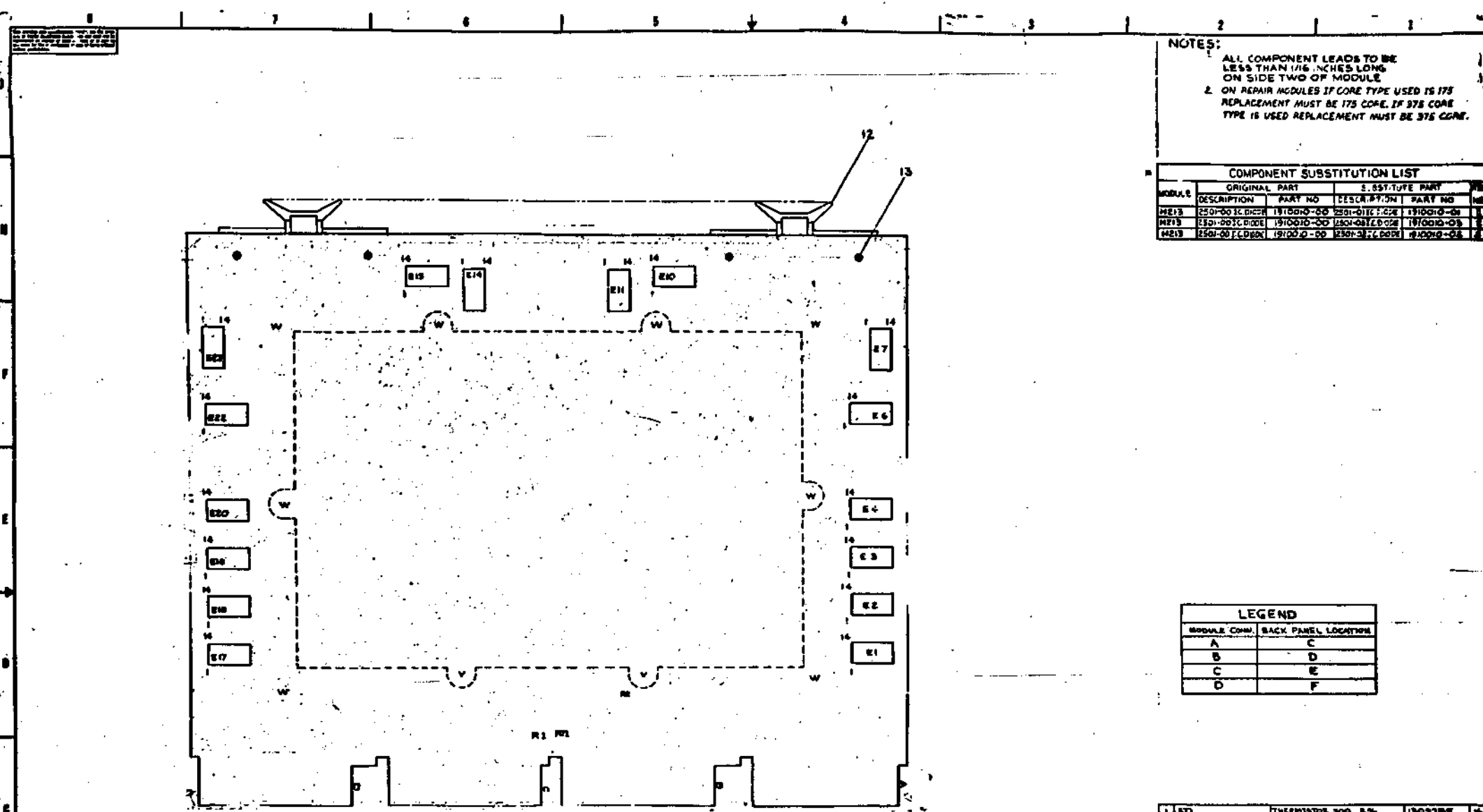
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MMH-L		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DBM	DATE	digital EQUIPMENT CORPORATION	
DECIMALS .XXX = .008	OK	11/8/72	TITLE CONTROL & DATA LOOPS CDL3	
ANGLES .XX = .02	ENG	12/2/72		
.X = .1	PROJ. ENG.	12/17/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	1/3/73		
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	B-DD-MMH-L	SCALE	DCS G110-0-1	REV. 5
	SHEET 3 OF 4	DIST.		

NOTE
 1 ALL SIGNALS FROM UNIBUS (BUS UC04-D15L)
 G110 SHEET 2 (CDL2) OR STACK (085A,B TO
 155A,B AND 021N TO 151N)



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MM11-L				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES	DRN 2 CANC	DATE 11/17/72	 DIGITAL EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DECIMALS .XXX = .000 .XX = .00 .X = .01	ENG 2 PROJ ENGR 2 PROD R. R. Peltier	DATE 11/23/72 11/25/72 1/31/73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			TITLE CONTROL & DATA LOOPS	
MATERIAL	NEXT HIGHER ASSY.		CDL 4	
FINISH	B-DD-MM11-L	SIZE/CODE	NUMBER	REV.
	SCALE	DCS	G110-0-1	S
	SHEET 4 OF 4	DIST.		

REVISIONS
 CHANGE NO. REV.
 DEC FORM NO. 080 105-0



NOTES:

1. ALL COMPONENT LEADS TO BE LESS THAN 1/16 INCHES LONG ON SIDE TWO OF MODULE.
2. ON REPAIR MODULES IF CORE TYPE USED IS 173 REPLACEMENT MUST BE 173 CORE. IF 378 CORE TYPE IS USED REPLACEMENT MUST BE 378 CORE.

COMPONENT SUBSTITUTION LIST				
MODULE	ORIGINAL PART		SUBSTITUTE PART	
	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
R213	2501-00 I.C. DIODE	191000-00	2501-00 I.C. DIODE	191000-00
R213	2501-00 I.C. DIODE	1910010-00	2501-00 I.C. DIODE	1910010-00
R213	2501-00 I.C. DIODE	1910010-00	2501-00 I.C. DIODE	1910010-00

LEGEND	
MODULE COMP.	BACK PANEL LOCATION
A	C
B	D
C	E
D	F

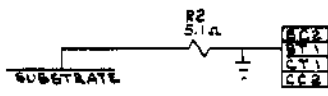
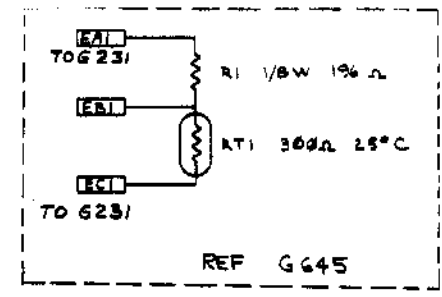
1	E17	THERMISTOR 500 OHM 5%	190078E	15
1	R2	RESISTOR 1K 1/4W 5%	190943E	17
1	R1	RESISTOR 10K 1/4W 1%	190935E	16
6		EYELET	500673E	20
6		WELD GREEN	500637P-04	18
7		NAIL PLATE	500633E	11
9		JUMPER	500629P	10
16		CORE-CORE MATS (STRIPS)	500675E	8
10		SCREEN W/ON FLUXER	500622E	7
10		SCREEN FLY LEAD 2"-12"x16"	500624E	6
10		STANDOFF, THERMOFORM 6MM	500627E	5
11		SUBSTRATE	500626E	4
11		COVER PLATE	500620E	3
	R213-E17-E10-E11-E12-E13-E14-E15-E16-E17-E18	I.C. DIODE 2501	1910010	2
	R1-R10	PLANE MEMORY BOARD	5009713	1

IC TYPE	QAD	QDI	QDI	QDI	QDI	QDI	QDI

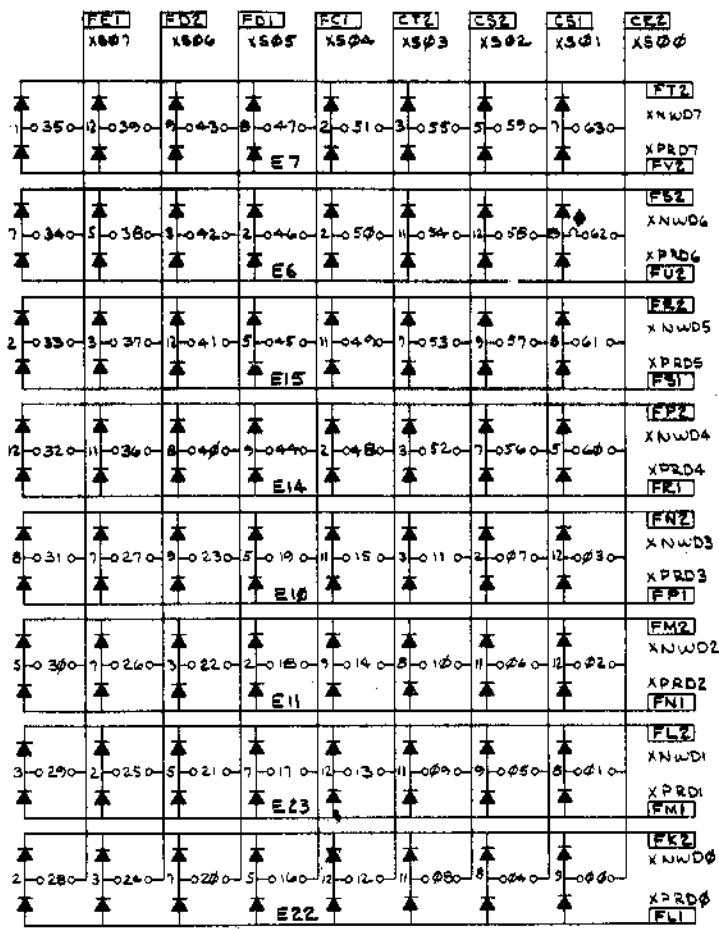
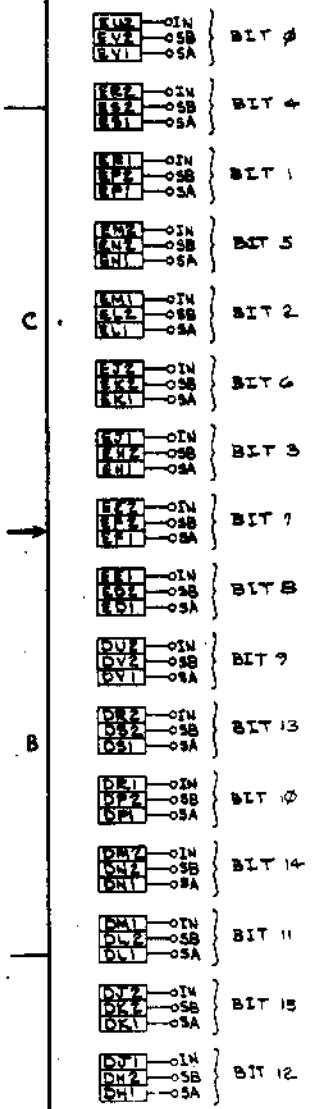
MATERIAL		EQUIPMENT	
QTY	DESCRIPTION	QTY	DESCRIPTION

STACK SCHEMATIC
(4K 16BIT)

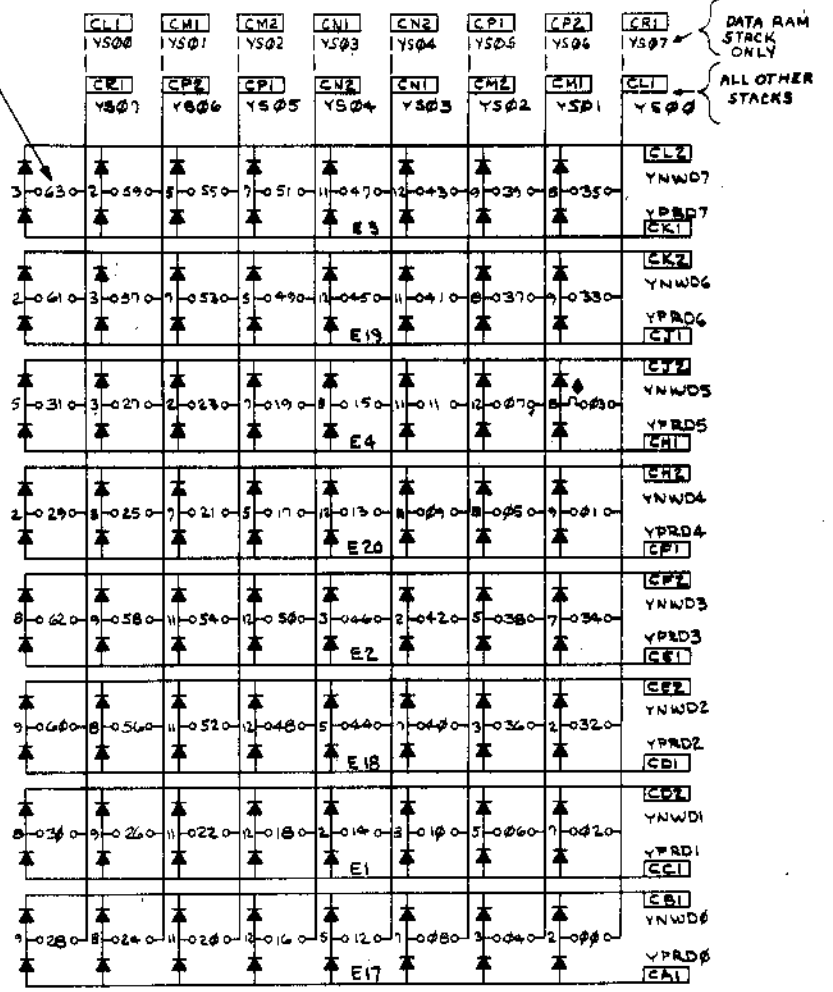
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- NOTES
- UNLESS OTHERWISE SPECIFIED:
 - IC'S ARE TO BE DEC PART # 1910010
 - INDICATES STACK LINE NUMBER. (TYP)
 - INDICATES CURRENT LOOP.
 - INDICATES MAGNET WIRE TERMINATION (SOLDERED TO P.C. PAD).

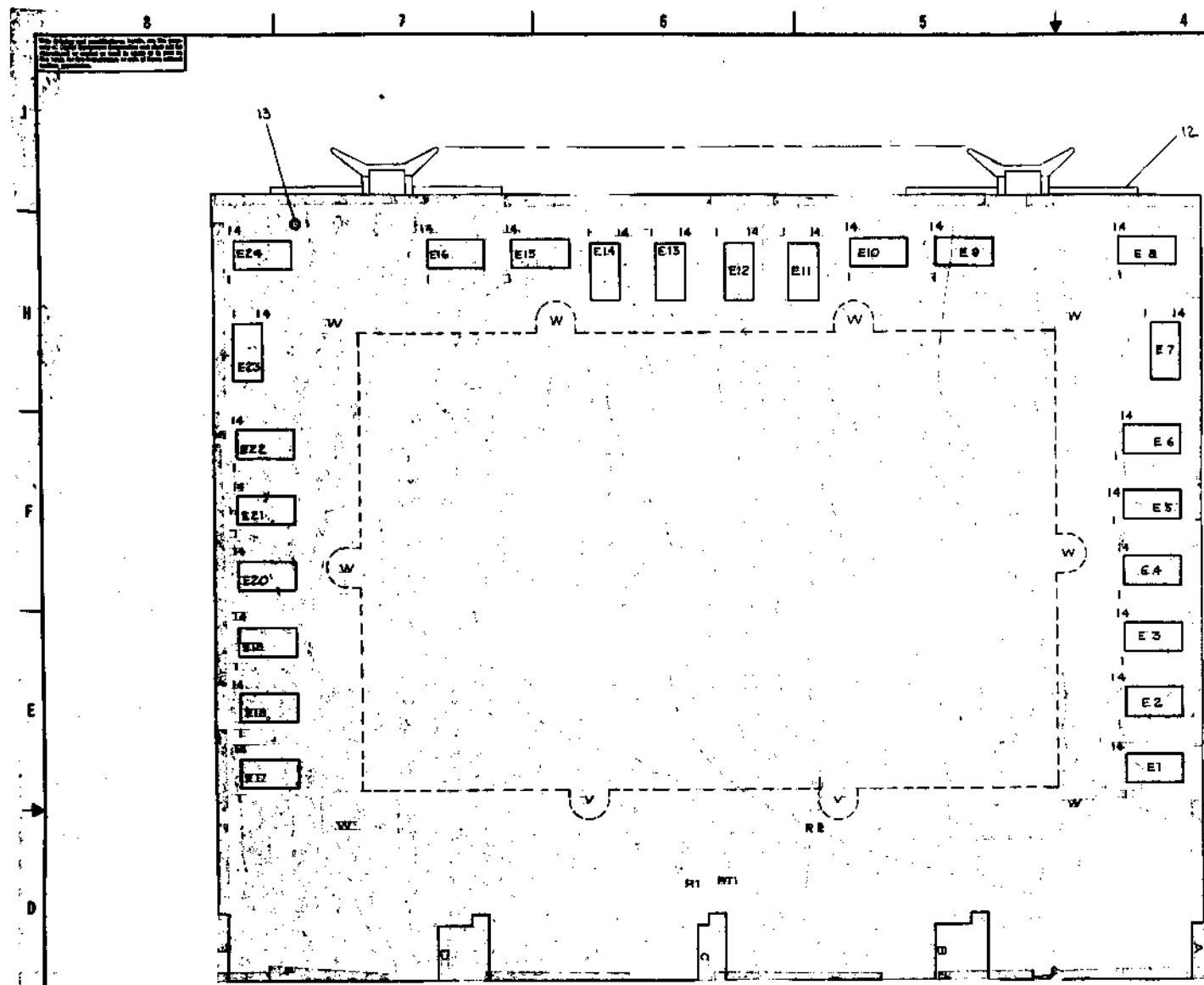


SEE NOTE 4



REV.	DATE

FIRST USED ON OPTION/MODEL	CITY	DESCRIPTION	PART NO.	ITEM NO.
MM11-L				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	DIGITAL EQUIPMENT CORPORATION		
TOLERANCES	12/1/71	TITLE		
DECIMALS		STACK SCHEMATIC		
ANGLES		4K X 16 BIT		
XX - .000		SIZE/DOGS		
XX - .02		NUMBER		
X - .1		REV.		
REMOVE BURRS AND BREAK SHARP CORNERS BURR AGE QUALITY		DCS H213-0-1		
MATERIAL	NEXT HIGHER ASSY.	SHEET 2 OF 2		
FINISH	B-DD-MM11-L-0	DIST.		

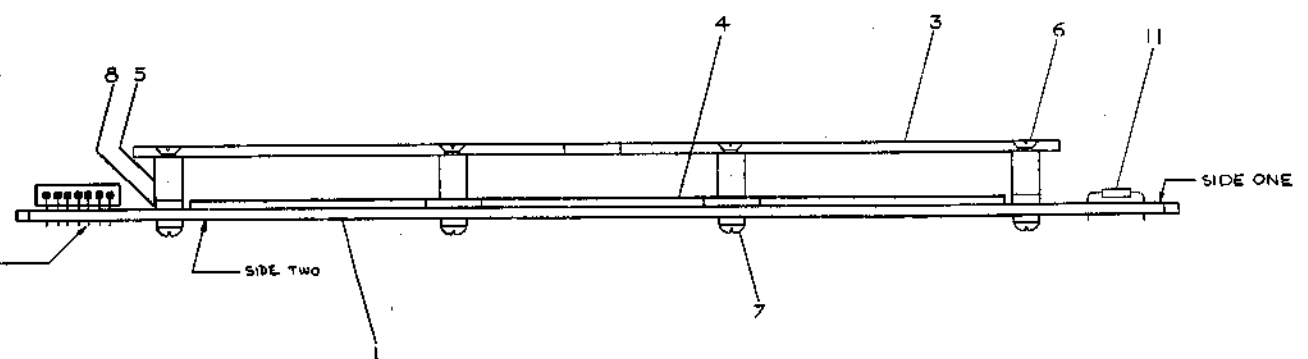


NOTES:
 1 ALL COMPONENT LEADS TO BE LESS THAN 1/16 INCHES LONG ON SIDE TWO OF MODULE

MODULES	COMPONENT SUBSTITUTION LIST			
	ORIGINAL PART DESCRIPTION	PART NO.	SUBSTITUTE PART DESCRIPTION	PART NO.
H214, H215, H216	2501-00 - plate	19 10010-00	2501-01 plate	19 10010-01
H214, H215, H216	2501-00 - plate	19 10010-00	2501-02 plate	19 10010-02
H214, H215, H216	2501-00 - plate	19 10010-00	2501-03 plate	19 10010-03

2: FOR AMPLEX STACKS H214, H215, AND H216 WITH CORE TYPE 324-1899, R1 SHOULD BE 121 OHMS.
 3 ON REPAIR MODULES, IF 175 CORE TYPE IS USED - REPLACEMENT CORE MUST BE 175 TYPE.
 IF 375 CORE TYPE IS USED - REPLACEMENT CORE MUST BE 375 TYPE.

LEGEND	
MODULE CONN	BAYS PANEL LOCATION
A	C
B	D
C	E
D	F



QTY	REF	REF DESIGNATION	DESCRIPTION	PART NO.	REV	
1	J	RT1	THERMISTOR 300 2%	1509783	16	
1	J	R2	RESISTOR 5.1 VAW 5%	1509422	15	
1	J	R1 (SEE NOTE 2)	RESISTOR 100 1/8W 1%	1702956	14	
1	B	B	EYELET	8006732	8	
1	B	B	HANDLE, GREEN	8006837-0-1	12	
1	B	B	JUMPER	900239	11	
1	I	I	NAME PLATE	900238	10	
15	16	16	182-CORE MATS (STRUNG)	DIBM3-75	9	
10	10	10	SCREW, NYLON #10x1/2x1/8-40X, W/1 L5	3002323	7	
10	10	10	SCREW, FLAT HEAD #10x1/2x1/8-40X, W/1 L5	3002324	6	
10	10	10	WASHER, THIN #10x1/2x1/8-40X, W/1 L5	3002327	5	
1	1	1	SUBSTRATE	50-20356	9	
1	1	1	COVER PLATE	18-4020-02	3	
24	24	24	E1 THRU E24	I.C. DIODE 2501	18-18010	2
1	1	1	PLANNER MEMORY BOARD	5009715	1	

IC TYPE	GRID	BY	DATE	REV	NO	PROG	TO	PT

DATE	BY	DESCRIPTION

MM11-L ETCH BOARD REV

DEC NO. EIA NO. DEC NO. EIA NO.

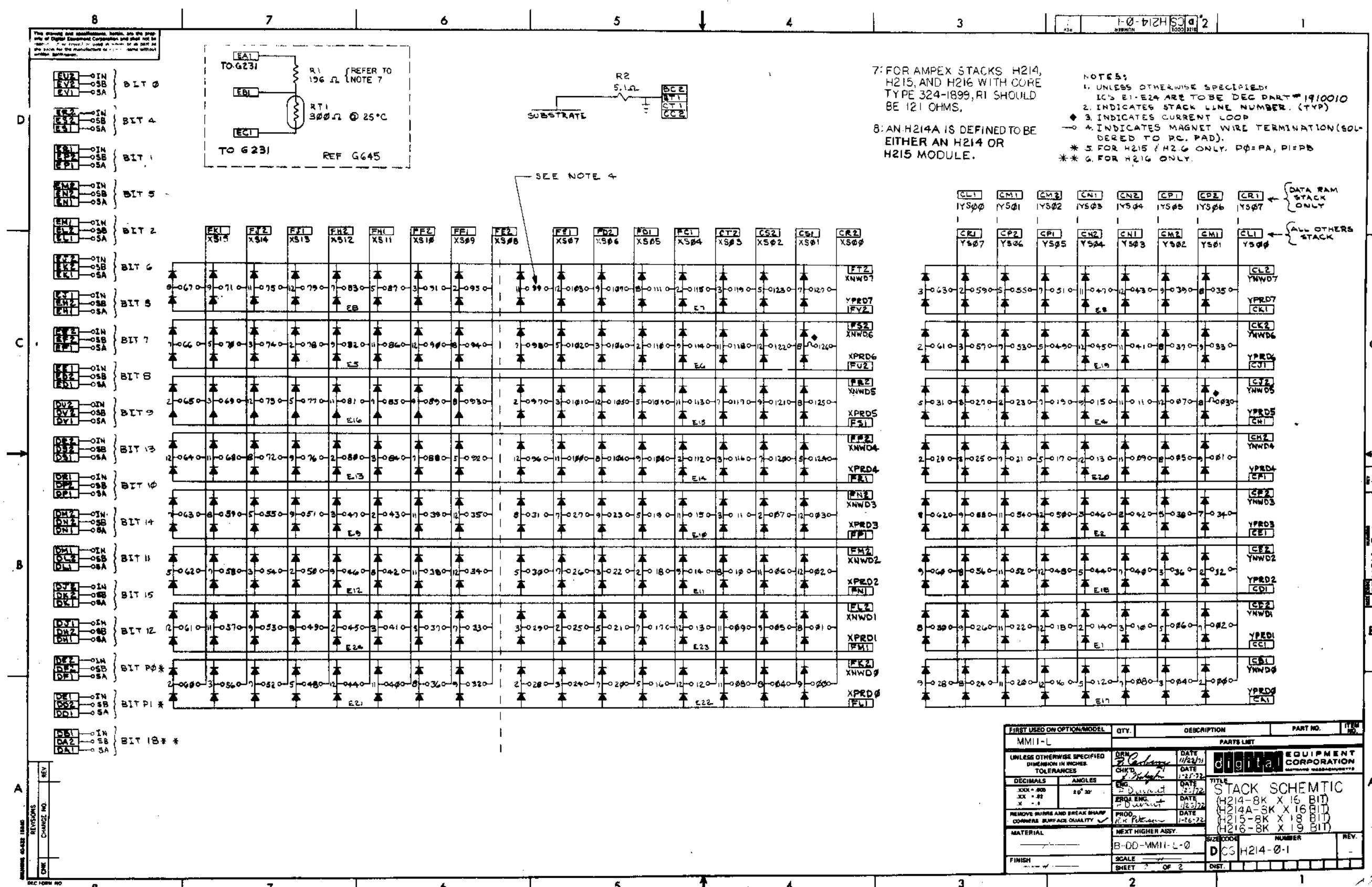
ORIGINATED A

EQUIPMENT CORPORATION

1214-BK X 16811

1214-BK X 16811

1214-BK X 16811



7: FOR AMPLEX STACKS H214, H215, AND H216 WITH CORE TYPE 324-1899, R1 SHOULD BE 121 OHMS.

8: AN H214A IS DEFINED TO BE EITHER AN H214 OR H215 MODULE.

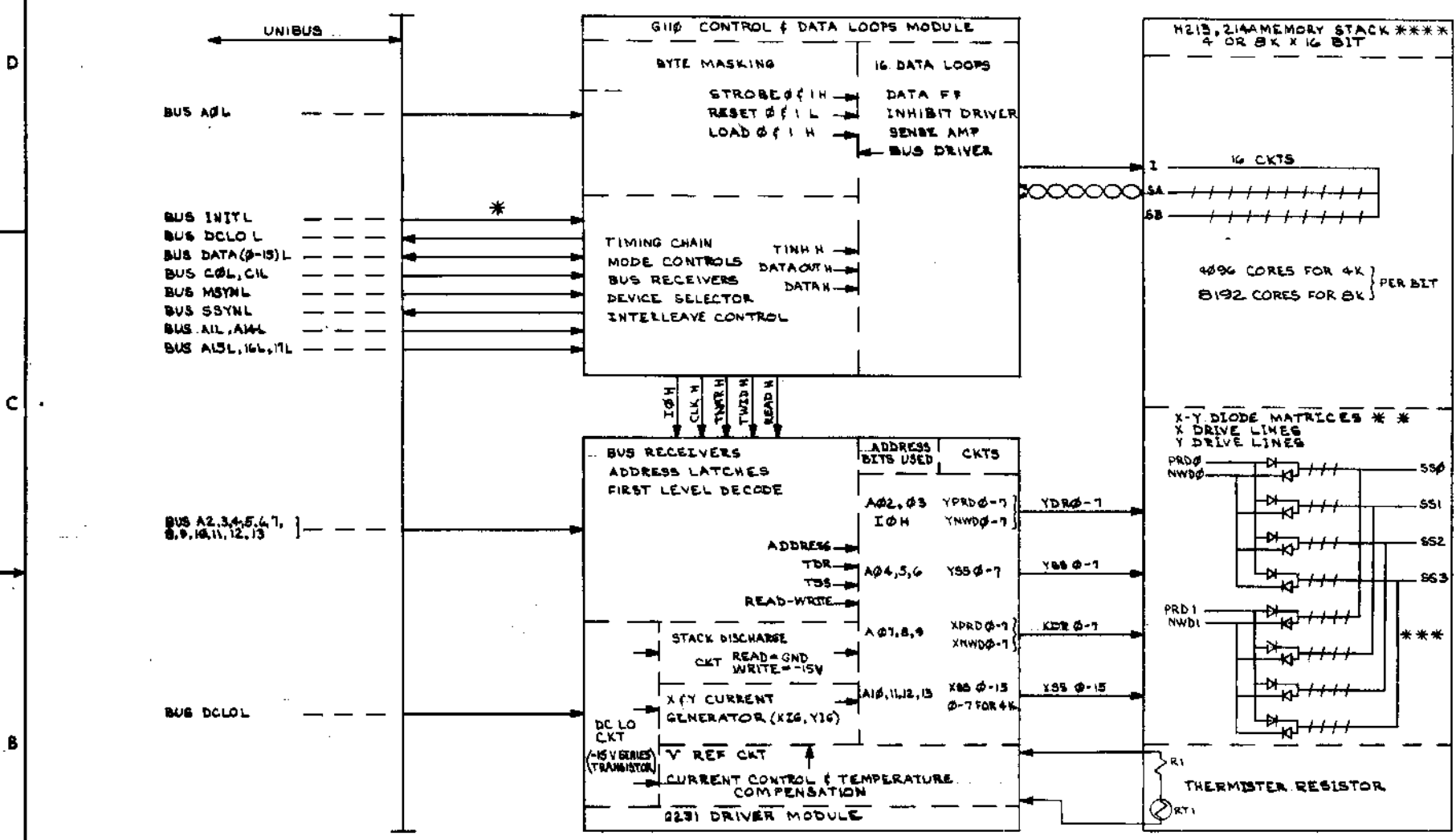
- NOTES:
1. UNLESS OTHERWISE SPECIFIED, IC'S E1-E24 ARE TO BE DEC PART # 1910010
 2. INDICATES STACK LINE NUMBER. (TYP)
 3. INDICATES CURRENT LOOP
 4. INDICATES MAGNET WIRE TERMINATION (SOLDED TO RC. PAD).
 - * 5. FOR H215 / H216 ONLY. P0=PA, P1=PB
 - ** 6. FOR H216 ONLY.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MM11-L		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN	DATE	digital EQUIPMENT CORPORATION	
DECIMALS	CHKD	DATE	TITLE	
ANGLES	ENG	DATE	STACK SCHEMATIC	
XXX - .000	PROJ. ENG.	DATE	(H214-8K X 16 BIT)	
.XX - .02	DATE	DATE	(H214A-8K X 16 BIT)	
X - .1	DATE	DATE	(H215-8K X 18 BIT)	
	DATE	DATE	(H216-8K X 19 BIT)	
REMOVES BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE	MATERIAL	
	DATE	DATE	NEXT HIGHER ASSY.	
			B-00-MM11-L-0	
FINISH			SCALE	
			SHEET 2 OF 2	
			DCS H214-0-1	

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2-11MMII-S-2

NOTES:
 *1. ALL ARROWS SHOW SIGNAL FLOW DIRECTION.
 **2. MATRIX SHOWN IS FOR ILLUSTRATION ONLY.
 ***3. ACTUAL MATRIX HAS
 Y AXIS 8PRD, 8NRD, 8SS
 X AXIS 4K 8PRD, 8NRD, 8SS
 X AXIS 8K 8PRD, 8NRD, 16SS
 ***4.H214A IS A DESIGNATOR FOR EITHER AN H214 OR H215 MEMORY STACK, SEE E-CS-H214-0-1.

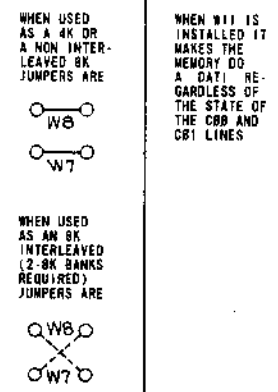


REV	DATE	BY
1	11/14/72	W. J. ...
2	12/1/72	...
3	12/1/72	...
4	12/1/72	...
5	12/1/72	...
6	12/1/72	...
7	12/1/72	...
8	12/1/72	...

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MMII-S				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DATE	DATE	DIGITAL EQUIPMENT CORPORATION	
DECIMALS	ANGLES	DATE	TITLE	
.XXX - .005	30° 00'	12/1/72	BLOCK DIAGRAM	
.XX - .02		12/1/72		
.X - .1		12/1/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE		
	12/1/72	12/1/72		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
	B-DD-MMII-S	BDD	MMII-S-2	A
FINISH	SCALE	SHEET	DIST.	
		1 OF 2		

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MEMORY BANK	MACHINE ADDRESS	W1 *	W5 A15 Δ	W6 C A14 OR A81	W4 A15	W3 A16	W2 A17L	Δ W9 4K-8K	W10	W7-8 INTER LEAVE □	W11 PROTECT
0-4K	00000-017776	IN	IN	IN	IN	IN	IN				
4-8K	02000-037776	IN	OUT	IN	IN	IN	IN				
8-12K	04000-057776	IN	IN	OUT	IN	IN	IN				
12-16K	08000-077776	IN	OUT	OUT	IN	IN	IN				
16-20K	10000-117776	IN	IN	IN	OUT	IN	IN				
20-24K	12000-137776	IN	OUT	IN	OUT	IN	IN				
24-28K	14000-157776	IN	IN	OUT	OUT	IN	IN				
28-32K	16000-177776	IN	OUT	OUT	OUT	IN	IN				
32-36K	20000-217776	IN	IN	IN	IN	OUT	IN				
36-40K	22000-237776	IN	OUT	IN	IN	OUT	IN				
40-44K	24000-257776	IN	IN	OUT	IN	OUT	IN				
44-48K	26000-277776	IN	OUT	OUT	IN	OUT	IN				
48-52K	30000-317776	IN	IN	IN	OUT	OUT	IN				
52-56K	32000-337776	IN	OUT	IN	OUT	OUT	IN				
56-60K	34000-357776	IN	IN	OUT	OUT	OUT	IN				
60-64K	36000-377776	IN	OUT	OUT	OUT	OUT	IN				
64-68K	40000-417776	IN	IN	IN	IN	IN	OUT				
68-72K	42000-437776	IN	OUT	IN	IN	IN	OUT				
72-76K	44000-457776	IN	IN	OUT	IN	IN	OUT				
76-80K	46000-477776	IN	OUT	OUT	IN	IN	OUT				
80-84K	50000-517776	IN	IN	IN	OUT	IN	OUT				
84-88K	52000-537776	IN	OUT	IN	OUT	IN	OUT				
88-92K	54000-557776	IN	IN	OUT	OUT	IN	OUT				
92-96K	56000-577776	IN	OUT	OUT	OUT	IN	OUT				
96-100K	60000-617776	IN	IN	IN	IN	OUT	OUT				
100-104K	62000-637776	IN	OUT	IN	IN	OUT	OUT				
104-108K	64000-657776	IN	IN	OUT	IN	OUT	OUT				
108-112K	66000-677776	IN	OUT	OUT	IN	OUT	OUT				
112-116K	70000-717776	IN	IN	IN	OUT	OUT	OUT				
116-120K	72000-737776	IN	OUT	IN	OUT	OUT	OUT				
120-124K	74000-757776	IN	IN	OUT	OUT	OUT	OUT				
DEVICE USED AS 4K MEMORY Δ		IN	X	X	X	X	X	IN	OUT		



NOTES:

- *1. W1 IS FOR TEST PURPOSES ONLY
- Δ2. WHEN USED AS AN 8K BANK, W5 AND W10 MUST BE INSTALLED AND W9 MUST BE OUT. WHEN USED AS A 4K BANK W10 MUST BE OUT, W9 MUST BE IN AND W5 DETERMINES THE BANKS LOCATION ON THE BUS.
- 3. THIS MEMORY CAN ONLY BE INTERLEAVED AS 16K (TWO ADJACENT, CONTIGUOUS ADDRESS 8K BANKS). WHEN NOT INTER-LEAVED (SOLID JUMPERS ON W7 AND W8) THE DEVICE SELECT IS AS SHOWN IN TABLE 1 USING A14. WHEN TWO 8K BANKS ARE INTER-LEAVED W7 AND W8 MUST BE AS SHOWN IN DOTTED LINES IN TABLE 1. ALSO IN TABLE 1, A81 NOW GOES TO THE DEVICE SELECTOR GATE CONTROLLED BY W6. THE TWO BANKS MUST HAVE W6 IN ON ONE BANK AND OUT ON THE OTHER.
4. FIGURE 1 SHOWS THE PHYSICAL LOCATION OF THE JUMPERS ON THE G11P IF THE MODULE WERE LYING ON THE PRINT WITH COMPONENTS UP AND CONNECTORS TOWARD BOTTOM OF PRINT. W7 & W8 ARE AS SHOWN SCHEMATICALLY ON D-CS-G11P-0-1

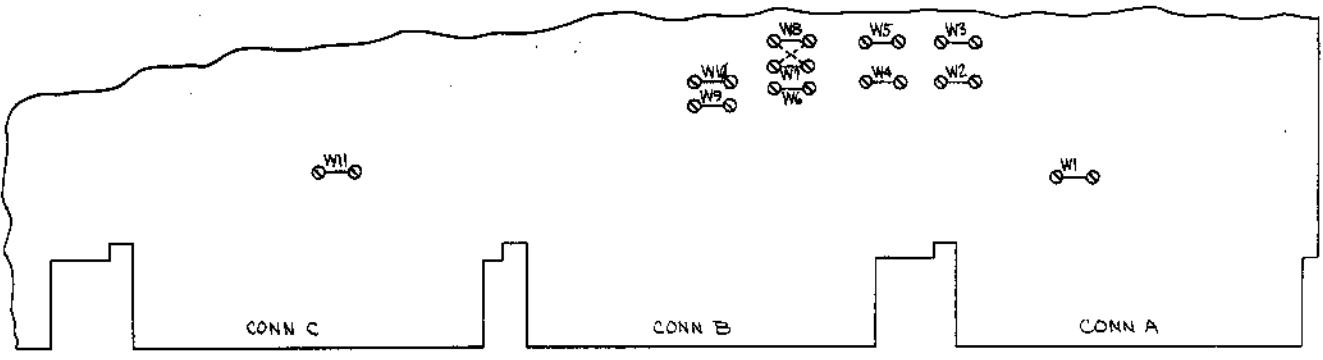


FIGURE 1
G11P JUMPER PHYSICAL LOCATION
SEE NOTE 4

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MMN-S				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.	DRN	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES	CHK'D	DATE	BLOCK DIAGRAM (DEVICE DECODING)	
DECIMALS	ENG	DATE		
ANGLES	PROD	DATE		
XXX = .006 XX = .02 X = .1				
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY	SIZE CODE	NUMBER	REV.
FINISH			D/BD/MMN-S-2	A
	SCALE	SHEET	2	OF 2
		DIST		

REVISIONS
CHANGE NO.
CHK

DEC FORM NO 100-4

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY F. CARBERRY	CHECKED <i>[Signature]</i>	SECTION
DATE 1/5/72	DATE 1-23-72	
ENG P. Duval	PROD R.K. Patton	ISSUED SECT.
DATE 1/25/72	DATE 1-26-72	

QUANTITY/VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION																			
			MM11-L	MM11-K																		
1	S-00-H213-0	H213 MEMORY STACK (4K X 16)		1																		
2	E-CS-G231-0-1	MEMORY DRIVER	1	1																		
3	E-CS-G110-0-1	CONTROL & DATA LOOPS	1	1																		
4	E-CS-H214-0-1	H214 MEMORY STACK (8K X 16)	1																			

TITLE MEMORY, MM11	ASSY NO. 11	SIZE CODE A PL	NUMBER MM11-L-0	REV. A	ECO NO. 00005
SHEET 1 OF 1		DIST.			

8

7

6

5

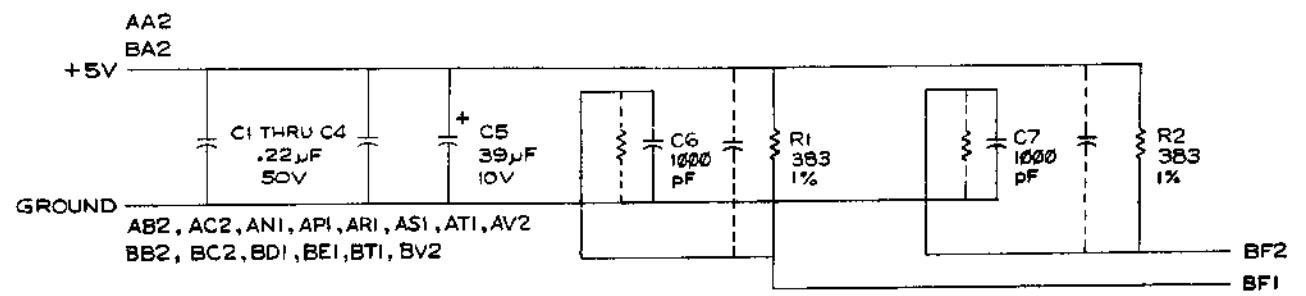
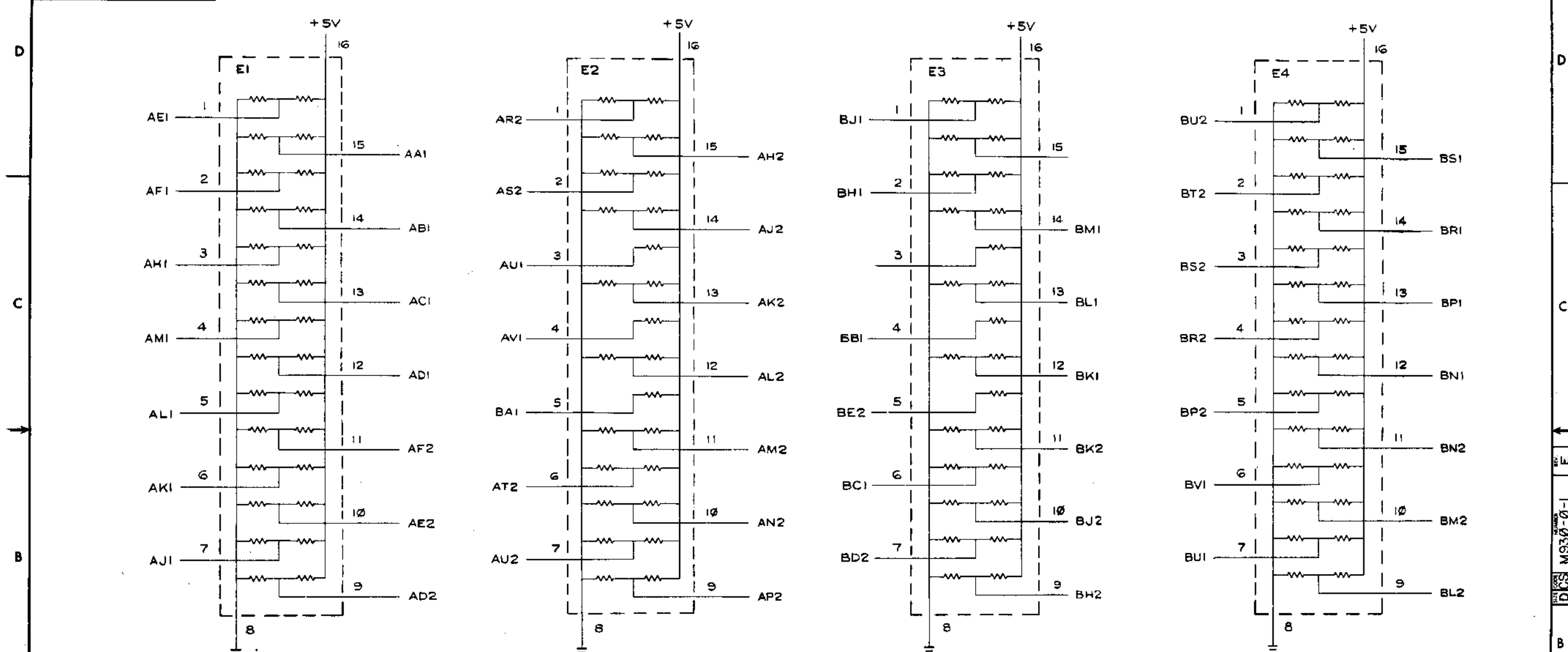
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1

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DCS M930-0-1 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE: BUS TERMINATOR
 SIZE CODE: DCS
 NUMBER: M930-0-1
 SHEET: 2 OF 2
 SCALE: 1:1
 REV: E

800 FORM NO. 200 100

R

7

6

5

4

3

2

1

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

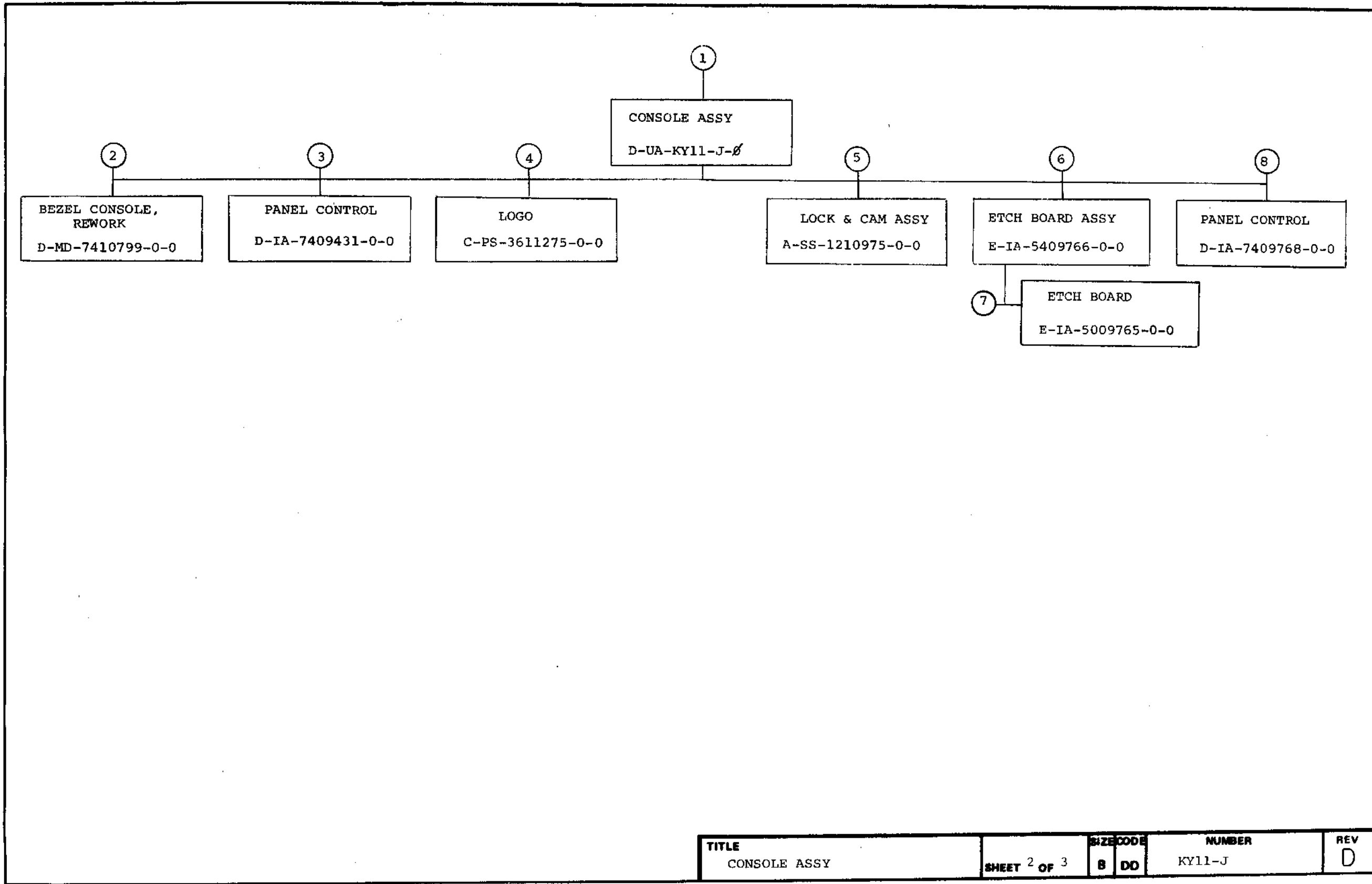
- CONSOLE ASSY
CONSOLE ASSY (PL)
JUMPER POWER
I/O CABLE
CIRCUIT SCHEMATIC
ETCH BOARD ASSY

SEQUENCE	SEQUENCE
D-UA-KY11-J-0	
A-PL-KY11-J-0	
B-IA-7409730-0-0	
C-UA-BC08R-03-0	
D-CS-5409766-0-1	
E-IA-5409766-0-0	

UNIT VARIATIONS		PRINT SET	
VAR	TITLE		
KY11-JA	CONSOLE ASSY 11/05	X	
KY11-JB	CONSOLE ASSY 11/10	X	
KY11-JC	CONSOLE ASSY GT40	X	
KY11-JF	CONSOLE ASSY UNICHANNEL 15	X	
KY11-JD	CONSOLE ASSY 11/05 (10.5)	X	
KY11-JE	CONSOLE ASSY 11/10 (10.5)	X	

REVISIONS	CHG. NO.	REV
	DATE	
2/74	KY11J-00004	A
3/74	KY11J-00005	B
3/74	KY11J-00006	C
3/74	KY11J-00007	D

USED ON OPTION/MODEL	DRN.	DATE	TITLE
11/05	J. CAHILL	4-23-73	
	CHK'D.	DATE	CONSOLE ASSY
	J. CAHILL	4-23-73	
	PROJ. ENG.	DATE	NUMBER
	<i>[Signature]</i>	8-29-73	
	PROD.	DATE	B DD
	<i>[Signature]</i>	8-29-73	
	FIELD SERV.	DATE	REV
	<i>[Signature]</i>	9-26-73	
SHEET 1 OF 3	DIST		D



TITLE	SIZE CODE	NUMBER	REV
CONSOLE ASSY	B DD	KY11-J	D
SHEET 2 OF 3			

CUSTOMER PRINT SET		ELECTRICAL					CUSTOMER PRINT SET		MECHANICAL						
KY11-J	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	KY11-J	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X		1	D-UA-KY11-J-0	N	1	CONSOLE ASSY				1	D-UA-KY11-J-0	N	1	CONSOLE ASSY	
X			A-PL-KY11-J-0	N	2	CONSOLE ASSY (PL)					A-PL-KY11-J-0	N	2	CONSOLE ASSY (PL)	
X			B-IA-7409730-0-0	#	1	JUMPER POWER					C-MD-7409534-0-0		1	ACTUATOR (REWORK)	
X			C-UA-BC08R-03-0	#	1	I/O CABLE					B-IA-7409444-0-0		1	DETENT	
											C-UA-BC08R-03-0		1	I/O CABLE	
											B-MD-7409867-0-0		1	EXTENDED LEAF REWORK (ACTUATOR)	
X		6	E-IA-5409766-0-0	#	1	ETCH BOARD ASSY					B-MD-7409868-0-0		1	SWITCH ADAPTER PLATE	
X			D-CS-5409766-0-1	#	1	CIRCUIT SCHEMATIC					C-MD-7411728-0-0		1	KEY LOCK SWITCH, REWORK	
			B-MH-5409766-0-6		1	MODULE ECO HISTORY									
		7	E-IA-5009765-0-0		1	ETCH BOARD									
										2	D-MD-7410799-0-0		1	BEZEL CONSOLE REWORK	
											J-PS-1210922-0-0		1	BEZEL CONSOLE CASTING	
										3	D-IA-7409431-0-0		1	PANEL CONTROL	
											C-SS-7409431-0-1		1	SILK SCREEN (MAGENTA)	
											C-SS-7409431-0-2		1	SILK SCREEN (BLK) REAR	
											C-SS-7409431-0-3		1	SILK SCREEN (1105) VERMILLION	
										4	C-PS-3611275-0-0		1	LOGO	
											A-SS-3611275-0-1		1	SILK SCREEN	
											A-SS-3611275-0-2		1	SILK SCREEN	
											A-SS-3611275-0-3		1	SILK SCREEN	
											A-SS-3611275-0-4		1	SILK SCREEN	
											A-SS-3611275-0-5		1	SILK SCREEN	
										5	A-PS-1210975-0-0		1	LOCK & CAM ASSY	
										6	E-IA-5409766-0-0		1	ETCH BOARD ASSY	
										7	E-IA-5009765-0-0		1	ETCH BOARD	
										8	D-IA-7409768-0-0		1	PANEL CONTROL	
											C-SS-7409768-0-1		1	SILK SCREEN	
											C-SS-7409768-0-2		1	SILK SCREEN	
											C-SS-7409768-0-3		1	SILK SCREEN	

CUSTOMER PRINT SET CODES
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

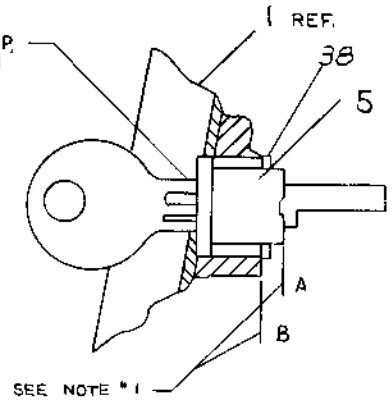
TITLE: CONSOLE ASSY
SHEET 3 OF 3
SIZE CODE: B DD
NUMBER: KY11-J
REV: 0

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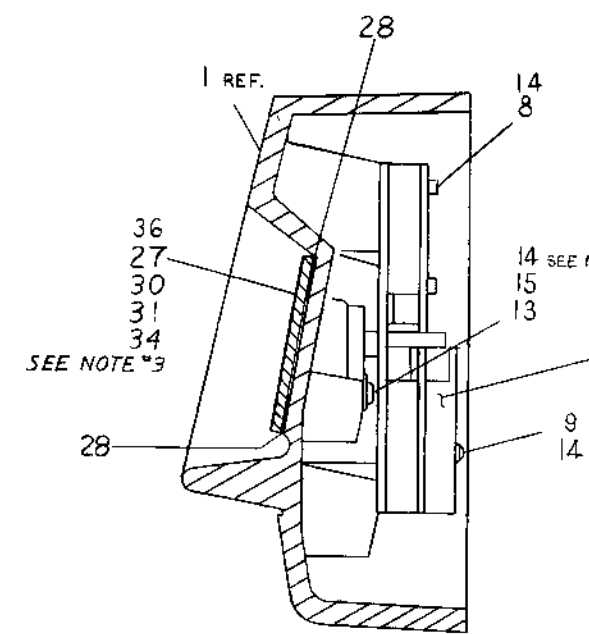
LEGEND

PART NO.	VARIATION
KY11-JA	1105 CONSOLE WITH L.E.D.S.
KY11-JB	1110 CONSOLE WITH L.E.D.S.
KY11-JC	VT40 CONSOLE WITH L.E.D.S.
KY11-JF	UC15 CONSOLE WITH L.E.D.S.
KY11-JD	10 1/2" 1105 CONSOLE WITH L.E.D.S.
KY11-JE	10 1/2" 1110 CONSOLE WITH L.E.D.S.
KY11-JJ	INDUSTIAL CONSOLE WITH L.E.D.S.

TEETH OF KEY UP.
COMPUTER IS IN
"OFF" POSITION



SECTION C-C
SCALE: 2/1

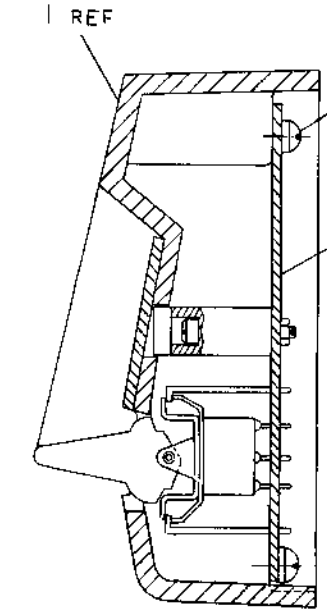


SECTION B-B
SCALE: 2/1

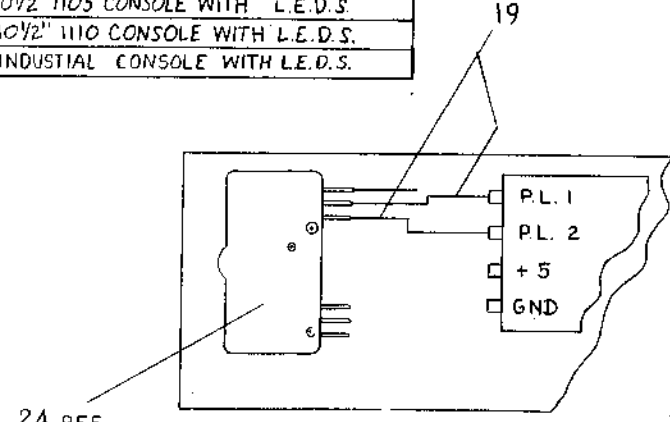
NOTES:

- CASTING KEY HOLE SURFACES A & B TO BE COATED WITH LUBE (ITEM #18)
- LOCK WASHER IS NOT USED ON SCREW UNDER SWITCH.
- INSERT CONTROL PANEL (ITEM #27,30,31 OR 34) USING ADHESIVE TRANSFER TAPE (ITEM #29) ON REAR SURFACE & PRESS FIRMLY IN PLACE.
- INSTALL 18 INCHES OF TAPE (ITEM #39) ON UNSHIELDED SIDE OF 210 CABLE BEGINNING AT FAR END OF CABLE FROM CONSOLE. ALL VARIATIONS EXCEPT JD AND JE.

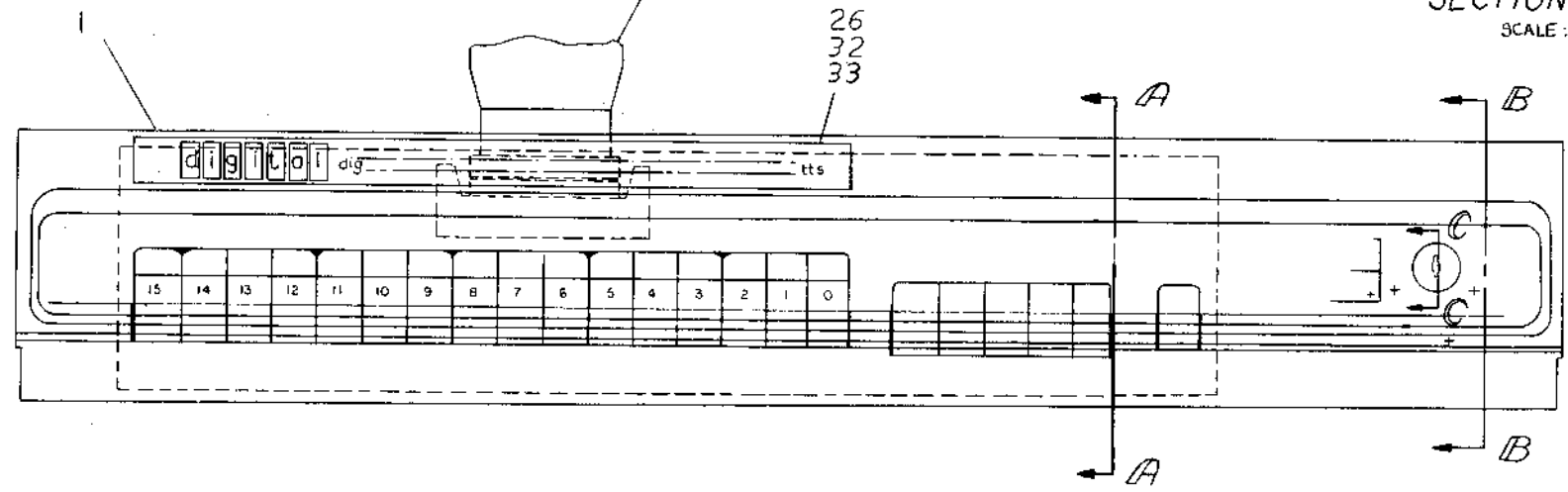
14 SEE NOTE *2
15
13
24 OR 37 (USED ON KY11-JD CONSOLE)



SECTION A-A
SCALE: 2/1



VIEW D-D
SCALE: NONE



REV	CHANGE NO.	DATE	BY	CHKD.
1	11-16-71	CAHILL		
2	11-16-71	TESCHNER		
3	4-5-72	GRAHAM		
4	4-5-72	WEEKS		
5	11-10-72	PETERSON		

FIRST USED ON OPTION / MODEL
PDP 1105

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
±.005 ±.002 ±.001 ±.0005
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
	TITLE CONSOLE ASSY (PDP 1105)		
	SCALE	1/1	
	SHEET	1 OF 1	
	SIZE CODE	DUA	
	NUMBER	KY11-J-0	
	REV	B	

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION											
MADE BY R. ROBICHAUD		CHECKED C. TESCHNER		SECTION											
DATE 12-8-71		DATE 5-1-72		1											
ENG G. Graham		PROD R. K. PETERSON		ISSUED SECT.											
DATE 4-5-72		DATE 5-10-72		1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			KY11-JA	KY11-JB	KY11-JC	KY11-JF	KY11-JD	KY11-JE	KY11-JJ				
1	D-MD-7410799-0-0	CONSOLE BEZEL REWORK			1	1	1	1	1	1	1				
2	E-IA-7409374-3-0	BEZEL CONSOLE (11/10)			X	1	X	X							
3	E-IA-5409766-0-0	CONSOLE ETCH BOARD ASSY			1	1	1	1	1	1	1				
4	E-IA-5409766-2-0	CONSOLE ETCH BOARD ASSY (OPOCA)			X	X	1								
5	A-PS-1210978-0-0	LOCK & CAM ASS'Y			1	1	1	1	1	1	1				
6	9006020-1	SCR, PHL PAN HD. #6-32 X 1/4 LG			6	6	6	6	6	6	6				
7	9006633	WASH INT TOOTH LOCK #6			6	6	6	6	6	6	6				
8	9006003-1	SCR PHL PAN HD #2-56 X 3/8 LG			2	2	2	2	2	2	2				
9	9008025-1	SCR PHL PAN HD #2-56 X 5/8 LG			2	2	2	2	2	2	2				
10	1210799-0-0	SWITCH DPST N.O.			1	1	1								
11	C-MD-7409534-0-0	ACTUATOR RE-WORK			1	1	1								
12	1210905-1	INSULATOR			2	2	2								
13	B-IA-7409444-0-0	DETENT			1	1	1	1	1	1	1				
14	9006686	WASH #2 SPLIT LOCK			5	5	5	6	5	5	5				
15	9006000-4	SCR BINDER HD #2-56 X3/16 LG			2	2	2	2	2	2	2				
16	1210904-1	SWITCH TMD 5201 (COLD CONTACT-291-5201-00)			1	1	1								
17	C-UA-BC08R-03	I/O CABLE (3'-0" LG)			1	1	1	1	X	X	1				
18	4901077	LUBE (FOR CAM LOCK)			A/R	A/R	A/R	A/R			A/R				
19	B-IA-7409730-0-0	JUMPER, POWER			2	2	2	2	2	2	2				
20	B-MD-7409868-0-0	SWITCH ADAPTER PLATE			1	1	1								
21	D-MD-7409867-0-0	EXTENDER LEAF REWORK (ACTUATOR)			1	1	1								
22	9008449-2	SCR PHL PAN HD #2-56 X 1/4 LG.			2	2	2								
TITLE CONSOLE ASSY (PDP11/05)				ASSY NO. D-UA-KY11-J-0	SIZE A	CODE PL	NUMBER KY11-J-0				REV. N	ECO NO. KY11J-00007			
SHEET 1 OF 2				DIST. G											

DEC FORM 101 (375) 1031 NS70
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION											
MADE BY R. ROBICHAUD		CHECKED C. TESCHNER		SECTION											
DATE 12-8-71		DATE 5-1-72		1											
ENG G. GRAHAM		PROD R. K. PETERSON		ISSUED SECT.											
DATE 4-5-72		DATE 5-10-72		1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			KY11-JA	KY11-JB	KY11-JC	KY11-JF	KY11-JD	KY11-JE	KY11-JJ				
23	E-IA-7409374-4-0	BEZEL CONSOLE (VT40)			X	X	1	X							
24	A-PS-1210982-0-0	KEY LOCK SWITCH			1	1	1	1	1	1	1				
25	E-IA-7409374-5-0	BEZEL CONSOLE (UC15)			X	X	X	1							
26	C-PS-3611275-0-0	LOGO (PDP-1105) NOTE VARIATIONS			1	1	X	X	1	1	1				
27	D-IA-7409431-1-0	PANEL CONTROL (1105)			1	X	X	X	1	X	X				
28	9009210-1	ADHESIVE TRANSFER TAPE 1/2 WIPE			A/R	A/R	A/R	A/R	A/R	A/R	A/R				
29	1211052	CONSOLE PROTECTIVE COVER			1	1	1	1	1	1	1				
30	D-IA-7409431-3-0	PANEL CONTROL (1110)			X	1	X	X	X	1	X				
31	D-IA-7409768-0-0	PANEL CONTROL (GT40)			X	X	1	X	X	X	X				
32	C-PS-3611275-4-0	LOGO (DEC GRAPHIC)			X	X	1	X	X	X	X				
33	C-PS-3611275-5-0	LOGO (UC15)			X	X	X	1	X	X	X				
34	D-IA-7409431-4-0	PANEL CONTROL (UC15)			X	X	X	1	X	X	X				
35	C-UA-BC08R-64	IØ CABLE (4'-0" LG)			X	X	X	X	1	1	X				
36	D-IA-7411393-0-0	INDICATOR PANEL (INDUSTRIAL)			X	X	X	X	X	X	1				
37	C-MD-7411728-0-0	KEY LOCK SWITCH, REWORK			X	X	X	X	1	X	X				
38	9009589	RETAINING RING .025 THK			1	1	1	1	1	1	1				
39	9009339	TAPE CLOTH WATERPROOF 2" WIDE GRAY			A/R	A/R	A/R	A/R	X	X	A/R				
TITLE CONSOLE ASSY (PDP11/05)				ASSY NO. D-UA-KY11-J-0	SIZE A	CODE PL	NUMBER KY11-J-0				REV. N	ECO NO.			
SHEET 2 OF 2				DIST. G											

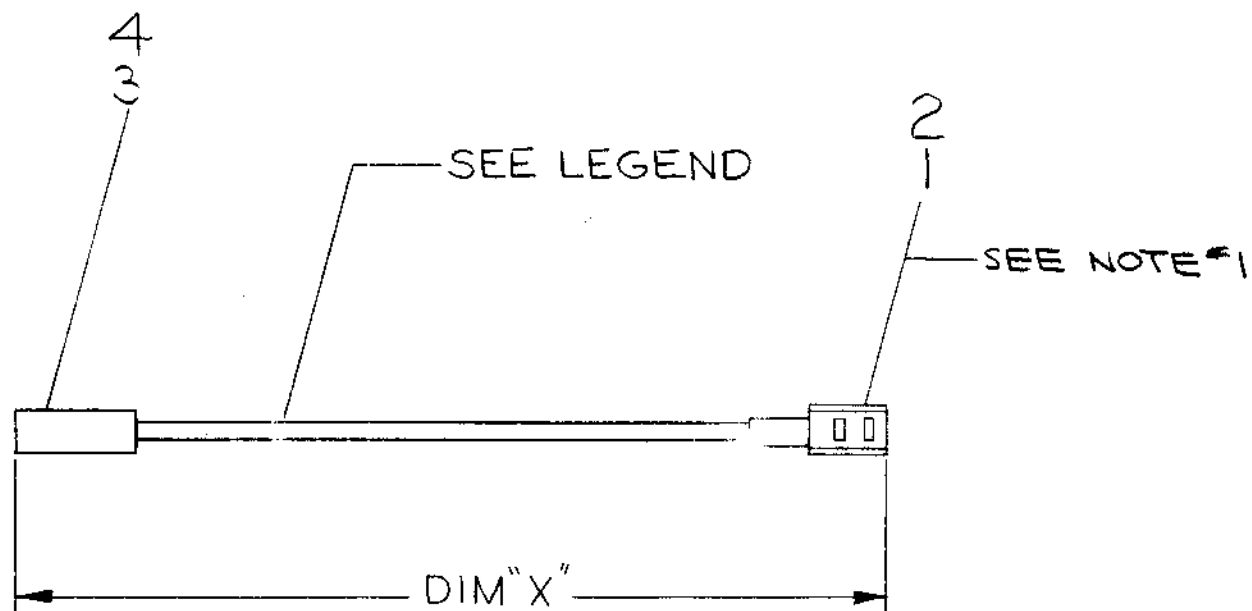
DEC FORM 101 (375) 1031 NS70
DRA 110

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LEGEND			
NUMBER	DIM "X"	COLOR	ITEM
7409730-01	5 1/2"	BLACK	5

NOTES:

1. ITEM #2 (SHRINK TUBING) TO COVER CONTACT AREA OF ITEM #1 (SOLDERLESS CONN.)



A/R	WIRE, #18 AWG, BLK	9107278-00	5
1	MINI FASTAB #60291-1	1210820-2	4
1	HOUSING, 1-480417-C	1210820-1	3
1	TUBING, SHRINK (WHITE)	9107252	2
1	SOLDERLESS CONN.-50902	9007917	1

FIRST USED ON OPTION MODEL
PDP-1105

QTY.	DESCRIPTION	PART NO.	ITEM NO.
------	-------------	----------	----------

PARTS LIST

DRN.	<i>CB McCoy</i>	DATE	4-11-72
CHK'D.	<i>C. Teschner</i>	DATE	4-19-72
ENG.	<i>G. Quabian</i>	DATE	4-19-72
PROJ/ENG.	<i>B. D. White</i>	DATE	4-28-72
PROD.	<i>R. K. Peterson</i>	DATE	4/27/72

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
JUMPER, POWER

NEXT HIGHER ASSEMBLY	<i>[Signature]</i>
SCALE	NONE
SHEET	1 OF 1

SIZE CODE	NUMBER	REV.
B IA	7409730-0-0	

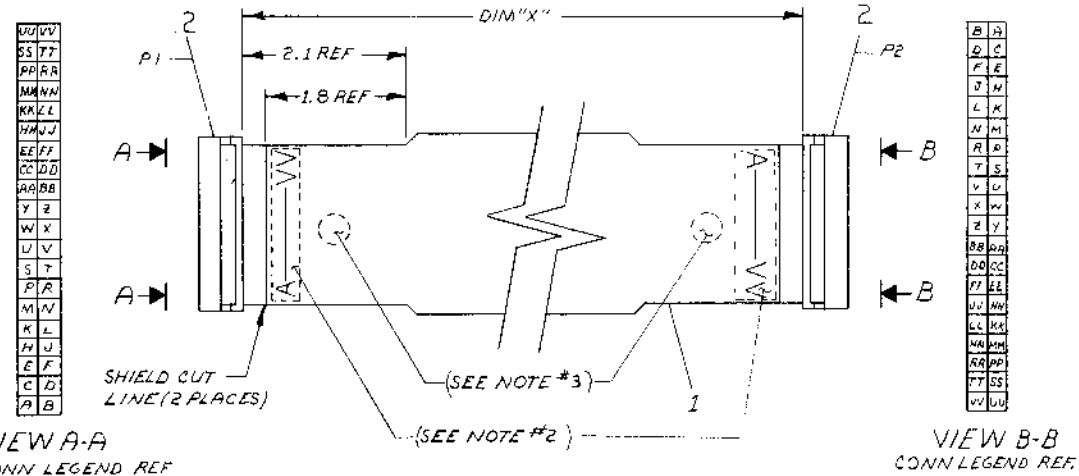
REVISIONS	CHANGE NO.	REV.
CHK		

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FROM	TO	FROM	TO
P1-A	P2-VV	P1-Y	P2-X
P1-B	P2-UU	P1-Z	P2-W
P1-C	P2-TT	P1-AA	P2-V
P1-D	P2-SS	P1-BB	P2-U
P1-E	P2-RR	P1-CC	P2-T
P1-F	P2-QQ	P1-DD	P2-S
P1-H	P2-NN	P1-EE	P2-R
P1-J	P2-MM	P1-FF	P2-P
P1-K	P2-LL	P1-HH	P2-N
P1-L	P2-KK	P1-JJ	P2-M
P1-M	P2-JJ	P1-KK	P2-L
P1-N	P2-II	P1-LL	P2-K
P1-P	P2-FF	P1-MM	P2-J
P1-R	P2-EE	P1-NN	P2-H
P1-S	P2-DD	P1-PP	P2-F
P1-T	P2-CC	P1-RR	P2-E
P1-U	P2-BB	P1-SS	P2-D
P1-V	P2-AA	P1-TT	P2-C
P1-W	P2-Z	P1-UU	P2-B
P1-X	P2-Y	P1-VV	P2-A

NUMBER	DIM "X"	PRECUT LENGTH
BC0BR-01	1.00 FT.	1.00 FT. 1.5 IN. 100 IN.
BC0BR-02	2.00 FT.	2.00 FT. 1.5 IN. 100 IN.
BC0BR-03	3.00 FT.	3.00 FT. 1.5 IN. 100 IN.
BC0BR-04	4.00 FT.	4.00 FT. 1.5 IN. 100 IN.
BC0BR-05	5.00 FT.	5.00 FT. 1.5 IN. 100 IN.
BC0BR-06	6.00 FT.	6.00 FT. 1.5 IN. 200 IN.
BC0BR-07	7.00 FT.	7.00 FT. 1.5 IN. 200 IN.
BC0BR-08	8.00 FT.	8.00 FT. 1.5 IN. 200 IN.
BC0BR-09	9.00 FT.	9.00 FT. 1.5 IN. 200 IN.
BC0BR-10	10.00 FT.	10.00 FT. 1.5 IN. 200 IN.
BC0BR-11	11.00 FT.	11.00 FT. 1.5 IN. 300 IN.
BC0BR-12	12.00 FT.	12.00 FT. 1.5 IN. 300 IN.
BC0BR-13	13.00 FT.	13.00 FT. 1.5 IN. 300 IN.
BC0BR-14	14.00 FT.	14.00 FT. 1.5 IN. 300 IN.
BC0BR-15	15.00 FT.	15.00 FT. 1.5 IN. 300 IN.
BC0BR-16	16.00 FT.	16.00 FT. 1.5 IN. 300 IN.
BC0BR-17	17.00 FT.	17.00 FT. 1.5 IN. 300 IN.
BC0BR-18	18.00 FT.	18.00 FT. 1.5 IN. 300 IN.
BC0BR-19	19.00 FT.	19.00 FT. 1.5 IN. 300 IN.
BC0BR-20	20.00 FT.	20.00 FT. 1.5 IN. 300 IN.
BC0BR-25	25.00 FT.	25.00 FT. 1.5 IN. 300 IN.
BC0BR-30	30.00 FT.	30.00 FT. 1.5 IN. 300 FT.
BC0BR-35	35.00 FT.	35.00 FT. 1.5 IN. 300 FT.
BC0BR-50	50.00 FT.	50.00 FT. 1.5 IN. 100 FT.
BC0BR-60	60.00 FT.	60.00 FT. 1.5 IN. 120 FT.
BC0BR-75	75.00 FT.	75.00 FT. 1.5 IN. 150 FT.
BC0BR-90	90.00 FT.	90.00 FT. 1.5 IN. 200 FT.
BC0BR-A3	130.00 FT.	130.00 FT. 1.5 IN. 200 FT.
BC0BR-A6	160.00 FT.	160.00 FT. 1.5 IN. 200 FT.

- ASSEMBLE THIS CABLE PER PROCESS SPEC #7606485-0-0.
- CONNECTOR LEGEND IDENTIFICATION TO BE PLACED ON SHIELD SIDE OF CABLE IN THIS AREA AS SHOWN.
- INSPECTION & TEST STAMPS TO BE PLACED AT EACH END OF THE CABLE ASSY.
- STRIP LENGTH SHOULD BE $.22 \pm 4/32$.

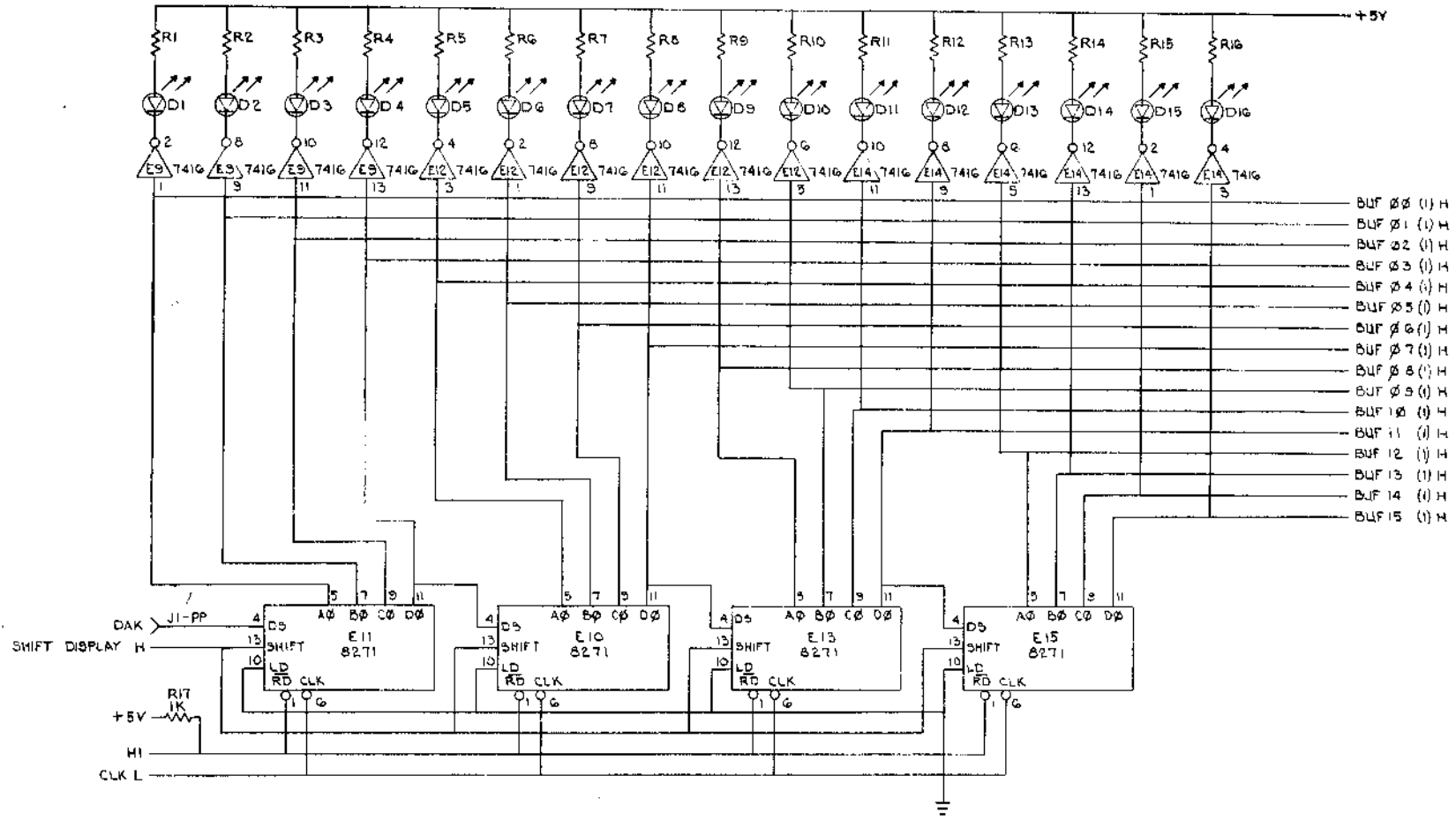


REV.	CHANGE NO.	BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			

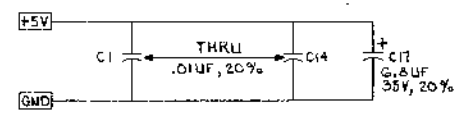
2	CONNECTOR, 4P SOCKET	12/1/2006	2	
1	PAIR CABLE, 40 COND. FLAT W/SHIELD	1700004	1	
DESCRIPTION		DWG./PART NO.		ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES 90° ±30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY	(CHECK ONE)	OVER TO	OVER TO	OVER TO
DUALITY	MEDIUM	0 0.2	0.2 1.2	1.2 4.0
QUANTITY & VARIATION	PREFERRED	4.012	5.016	6.020
THIRD ANGLE PROJECTION	DRAWN CONTAINING	6.024	8.028	10.032
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D BY FLEMING	FIRST USED ON		
DO NOT SCALE DWG	ENGR. GARDNER	digital		
MATERIAL	PROJ. ENGINEER	TITLE		
FINISH	PROD. DESIGN	BC0BR TO CABLE		
	NEXT HIGHER ASSY.	SIZE	CODE	NUMBER
		D	UA	BC0BR-0-0
		SCALE	DIST.	REV.
				M

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REV. 2
 DCS 5409766-0-1
 11/05 CONSOLE



UNLESS OTHERWISE INDICATED:
 RESISTORS = 1/4W, 5%
 CAPACITORS = 100V, 5%
 DIODES ARE LIGHT EMITTING
 PIN 14 = +5V, PIN 7 = GND ON DEC 7404, 7416, 741T
 PIN 14 = +5V, PIN 7 = GND ON DEC 8271, 74123, 74193



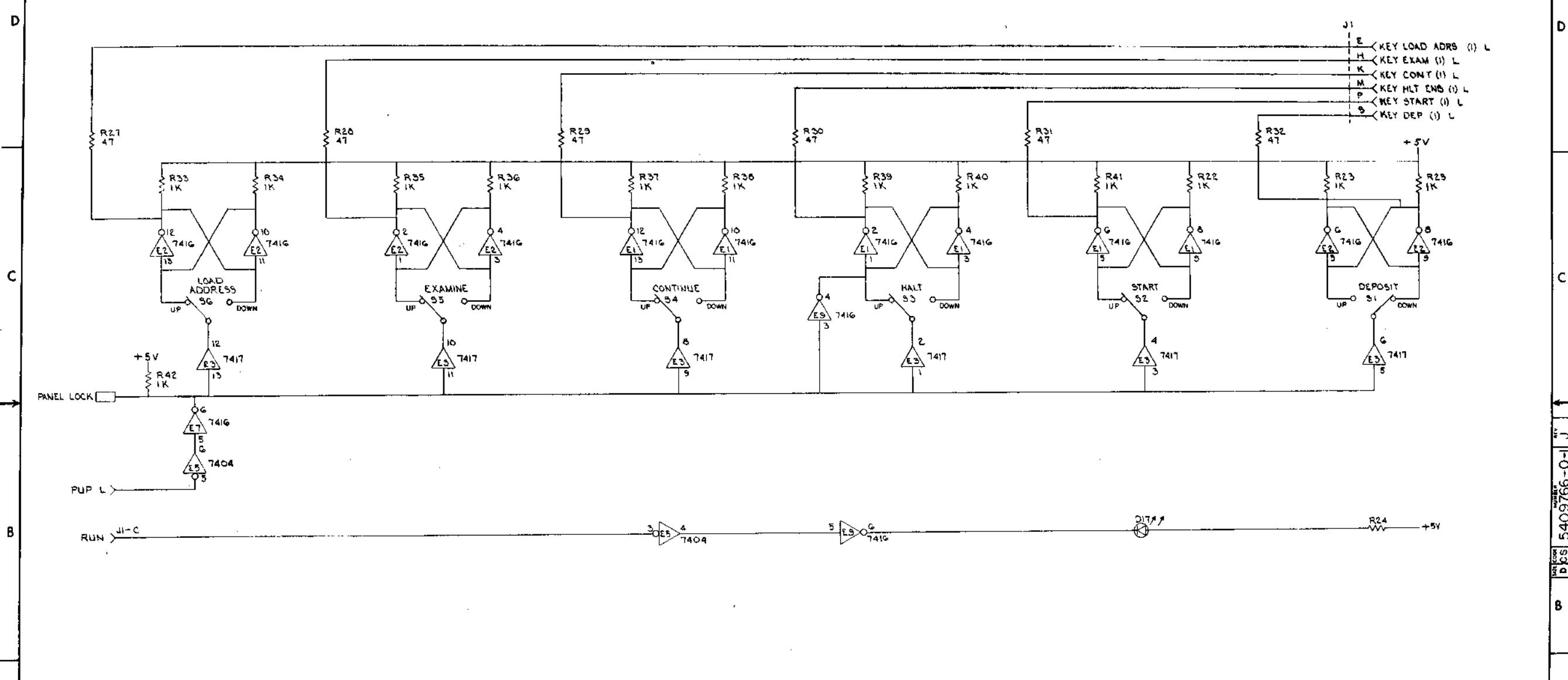
REV. 1	DATE 11-15-72	BY G. GRAHAM
REV. 2	DATE 11-25-72	BY R. KRISHNA
REV. 3	DATE 12-1-72	BY R. KRISHNA
REV. 4	DATE 12-1-72	BY R. KRISHNA
REV. 5	DATE 12-1-72	BY R. KRISHNA
REV. 6	DATE 12-1-72	BY R. KRISHNA
REV. 7	DATE 12-1-72	BY R. KRISHNA
REV. 8	DATE 12-1-72	BY R. KRISHNA
REV. 9	DATE 12-1-72	BY R. KRISHNA
REV. 10	DATE 12-1-72	BY R. KRISHNA
REV. 11	DATE 12-1-72	BY R. KRISHNA
REV. 12	DATE 12-1-72	BY R. KRISHNA
REV. 13	DATE 12-1-72	BY R. KRISHNA
REV. 14	DATE 12-1-72	BY R. KRISHNA
REV. 15	DATE 12-1-72	BY R. KRISHNA
REV. 16	DATE 12-1-72	BY R. KRISHNA
REV. 17	DATE 12-1-72	BY R. KRISHNA
REV. 18	DATE 12-1-72	BY R. KRISHNA
REV. 19	DATE 12-1-72	BY R. KRISHNA
REV. 20	DATE 12-1-72	BY R. KRISHNA

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV E				
DRN. ROGER J. THURTELL		DATE 11-15-72	digital EQUIPMENT CORPORATION	
CHKD. R. KRISHNA		DATE 11-25-72	MAYNARD, MASSACHUSETTS	
ENGR. R. KRISHNA		DATE 12-1-72	TITLE	
PROL. ENG. R. KRISHNA		DATE 12-1-72	11/05 CONSOLE	
PROD. R. KRISHNA		DATE 12-1-72	NEXT HIGHER ASSY	
E-15409766-0-0		SCALE		
SHEET 2 OF 3		DISTR.		

DCS 5409766-0-1 J

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DCS 5409766-0-1 J 2



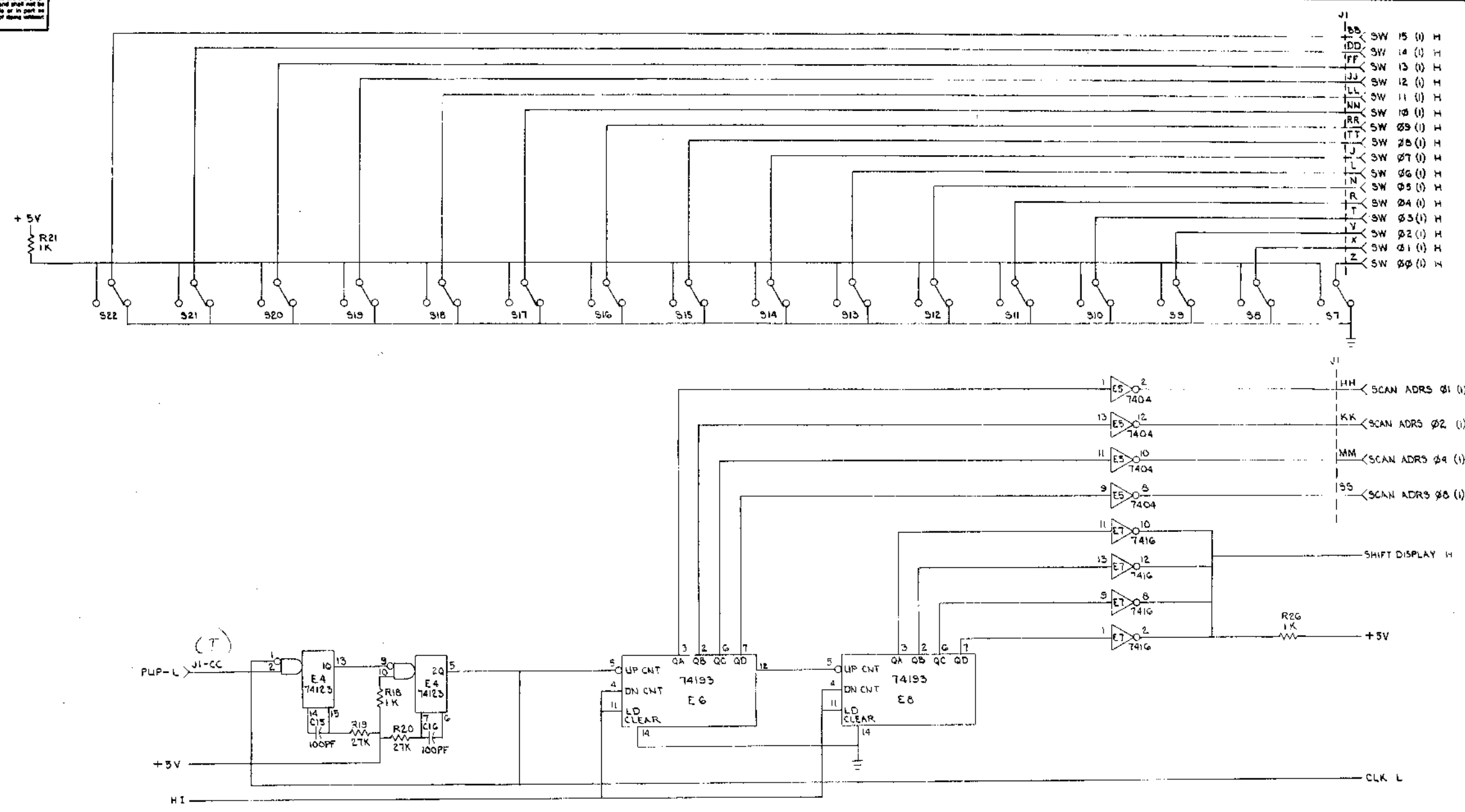
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV E				
DRN. ROGER J		DATE 10 JUN 72	digital EQUIPMENT CORPORATION TITLE 11/05 CONSOLE SIZE CODE NUMBER DCS 5409766-0-1 J	
CHKD. <i>[Signature]</i>		DATE 10 JUN 72		
ENGR. <i>[Signature]</i>		DATE 1-10-72		
PRJL. ENGR. <i>[Signature]</i>		DATE 1-10-72		
PRD. <i>[Signature]</i>		DATE 2-10-72		
NEXT HIGHER ASSY				
E-IA 5409766-0-0				
SCALE SHEET 2 OF 3				

CHK	CHANGE NO.	REV

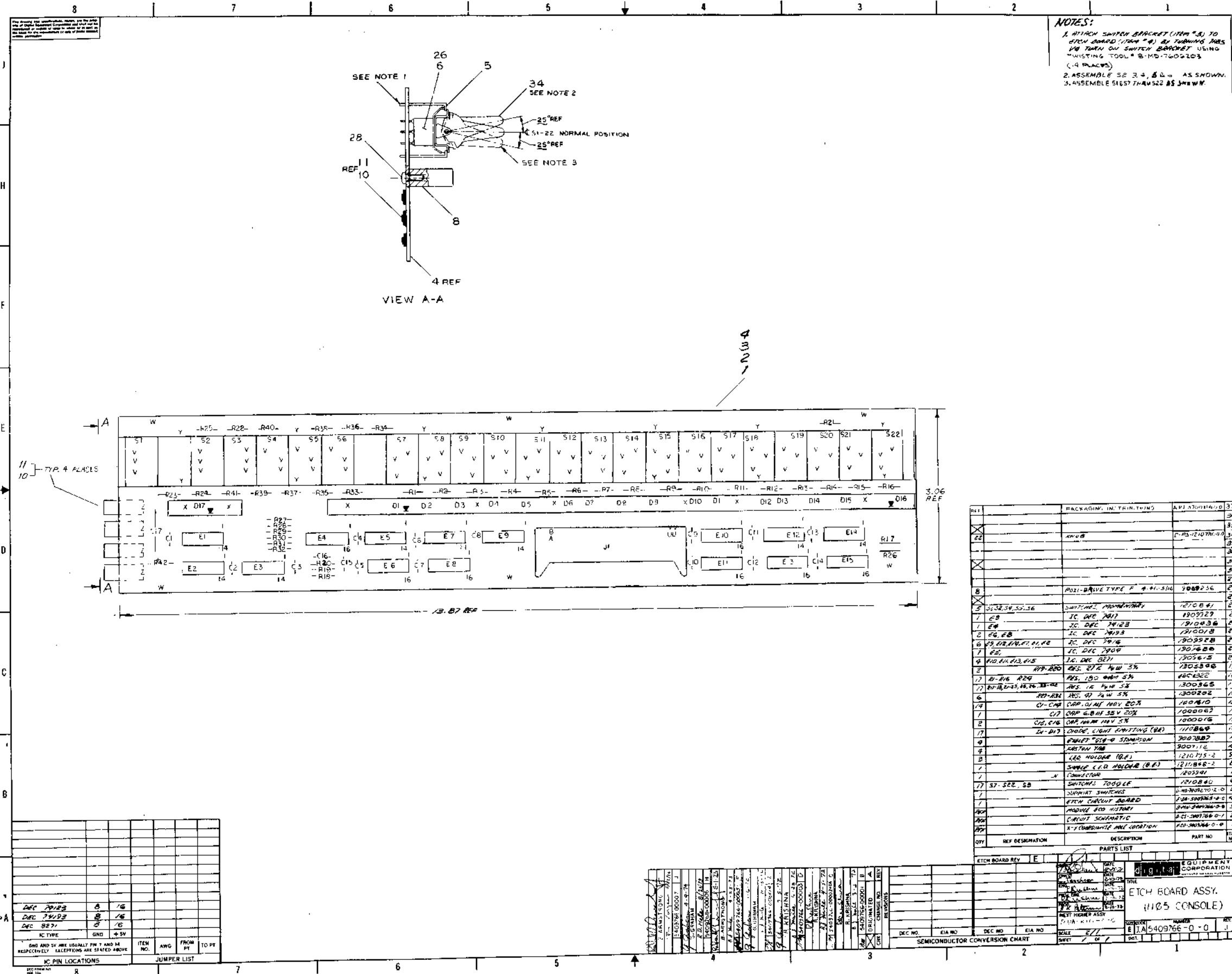
SEMICONDUCTOR CONVERSION CHART

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DCS 5409766-0-1 J



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.										
PARTS LIST														
ETCH BOARD REV E														
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS														
TITLE 11/05 CONSOLE														
<table border="1" style="width: 100%;"> <tr> <td>DRN. <i>R. J. Foster</i></td> <td>DATE 12-10-72</td> </tr> <tr> <td>CHKD. <i>Rudolf</i></td> <td>DATE 11-19-72</td> </tr> <tr> <td>ENGR. <i>R. J. Foster</i></td> <td>DATE 1-10-72</td> </tr> <tr> <td>PROJ. ENG. <i>R. J. Foster</i></td> <td>DATE 7-19-72</td> </tr> <tr> <td>PRD. <i>R. J. Foster</i></td> <td>DATE 2-18-72</td> </tr> </table>					DRN. <i>R. J. Foster</i>	DATE 12-10-72	CHKD. <i>Rudolf</i>	DATE 11-19-72	ENGR. <i>R. J. Foster</i>	DATE 1-10-72	PROJ. ENG. <i>R. J. Foster</i>	DATE 7-19-72	PRD. <i>R. J. Foster</i>	DATE 2-18-72
DRN. <i>R. J. Foster</i>	DATE 12-10-72													
CHKD. <i>Rudolf</i>	DATE 11-19-72													
ENGR. <i>R. J. Foster</i>	DATE 1-10-72													
PROJ. ENG. <i>R. J. Foster</i>	DATE 7-19-72													
PRD. <i>R. J. Foster</i>	DATE 2-18-72													
NEXT HIGHER ASSY: 0-1A-5409766-0-0														
DEC. NO.		EIA. NO.		SCALE										
DEC. NO.		EIA. NO.		SCALE										
SEMICONDUCTOR CONVERSION CHART														
SHEET 3 OF 3														
SIZE CODE: DCS		NUMBER: 5409766-0-1		REV: J										



REV	DATE	BY	CHKD	DESCRIPTION
1	DEC 1963	B	16	
2	DEC 1963	B	16	
3	DEC 1967	B	16	

IC TYPE	GRID	+5V

ITEM NO.	ANG	FROM PT	TO PT

REF	DESCRIPTION	QTY	UNIT
1	ETCH BOARD	1	PCB
2	...	...	...

REF	DESCRIPTION	QTY	UNIT
1	ETCH BOARD	1	PCB
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
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33
34
35
36
37

ETCH BOARD REV	DATE	BY	CHKD	DESCRIPTION
E	10/22/67	B	16	ETCH BOARD ASSY. (1105 CONSOLE)

DEC NO.	EIA NO.	DEC NO.	EIA NO.

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE

SEQUENCE

DRAWING DIRECTORY
UNIT ASSEMBLY
CIRCUIT SCHEMATIC

B-DD-H75 β - β
E-UA-H75 β - β - β
D-CS-H75 β - β -1

MFG PRINT SET
PACKAGING INSTRUCTION

A-PI-3700086-0-0

DIODE BOARD, P.S.
CIRCUIT SCHEMATIC

B-CS-5411253

REGULATOR BOARD
CIRCUIT SCHEMATIC

E-IA-5409728- β - β
D-CS-5409728- β -1

5V REGULATOR BOARD
5V REGULATOR

E-UA-H744- β - β
D-CS-H744- β -1

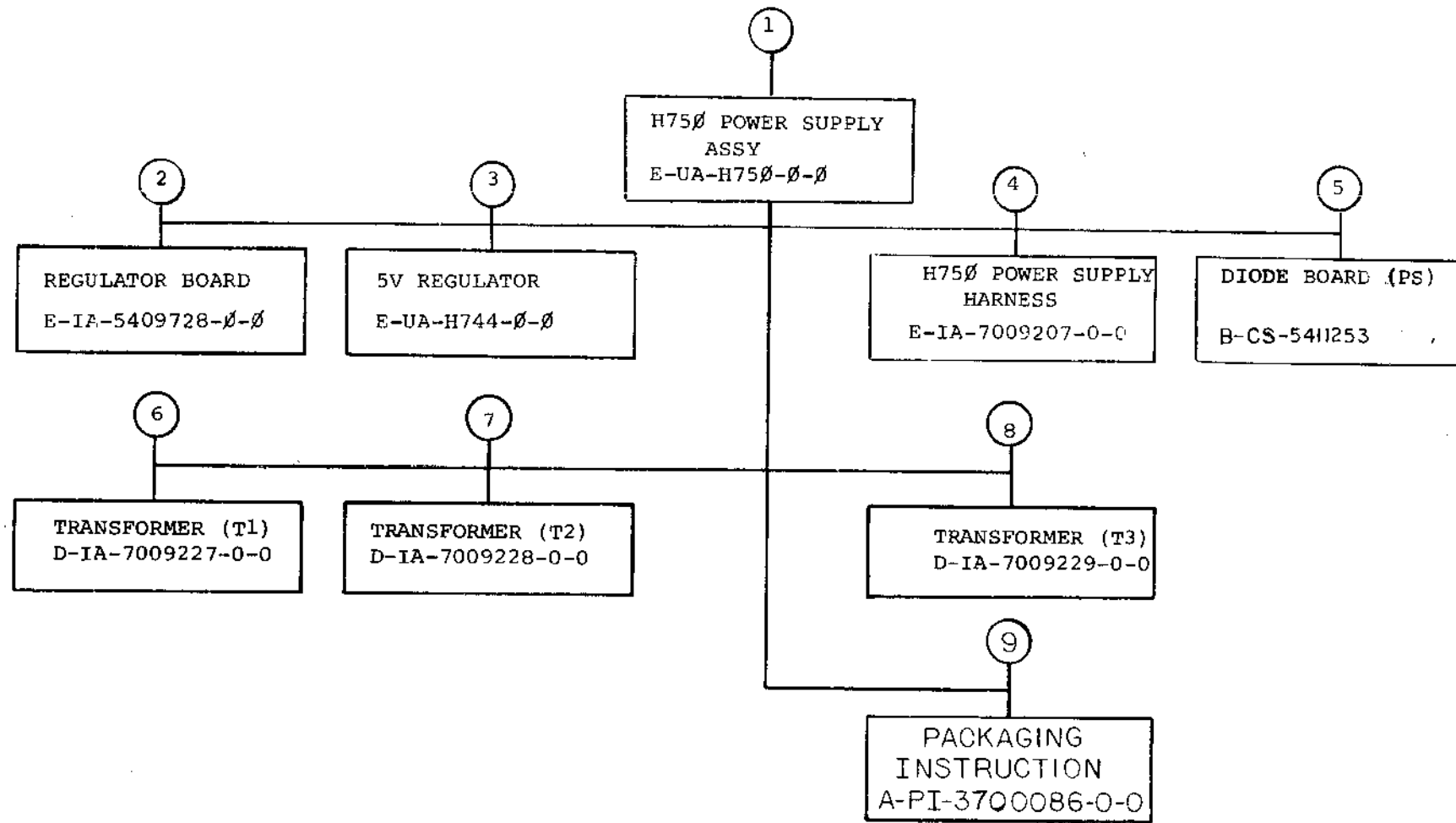
H75 β POWER SUPPLY HARNESS

E-IA-7009207- β - β

UNIT VARIATIONS		PRINT SET	
VAR	TITLE	H75 β - β	
H75 β - β	H75 β POWER SUPPLY	X	

DATE	CHG. NO.	REV	REVISIONS																
			A	B	C	D	E	F	G	H	I	J	K	L	M				
3-73	H75 β -00001	A																	
5-73	H75 β -2	B																	
6-73	H75 β -3	C																	
7-73	H75 β -4	D																	
8-73	H75 β -5	E																	
11-73	H75 β -6	F																	
11-73	H75 β -7	H																	
2-74	H75 β -8	J																	
5-74	H75 β -9	K																	
9-74	H75 β -11	L																	
1-75	H75 β -13	M																	

USED ON OPTION/MODEL	11/35	DRN. <i>Paul Cahill</i>	DATE 1-15-72	TITLE POWER SUPPLY H75 β	SIZE CODE B DD	NUMBER H75 β - β	REV M
		CHKD. <i>Paul Cahill</i>	DATE 1-16-72				
		PROJ. ENG. <i>R. J. Wolf</i>	DATE 2/12/73				
		PROD. <i>R. J. Wolf</i>	DATE 2-21-73				
		FIELD SERV. <i>R. J. Wolf</i>	DATE 2/13/73				
SHEET 1 OF 3							



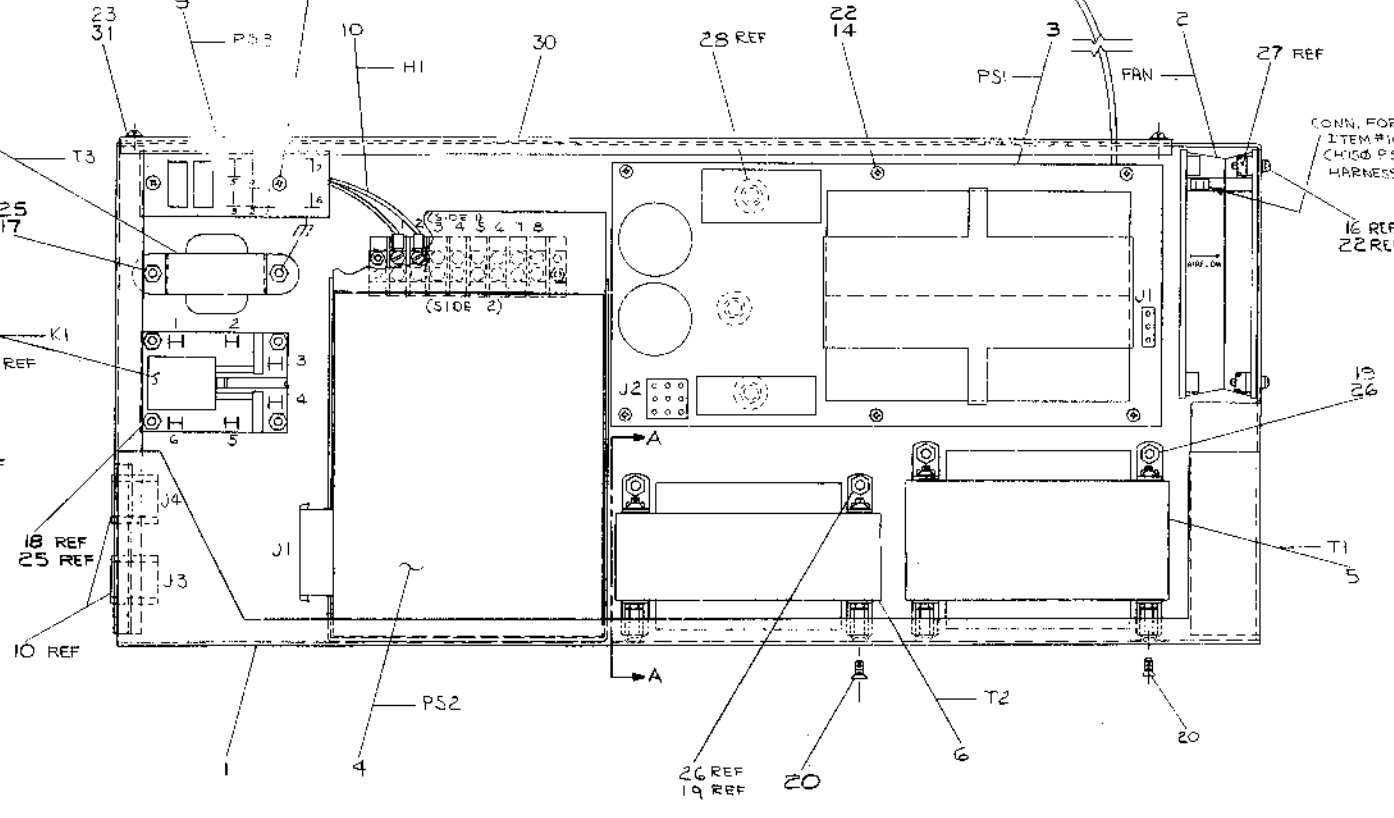
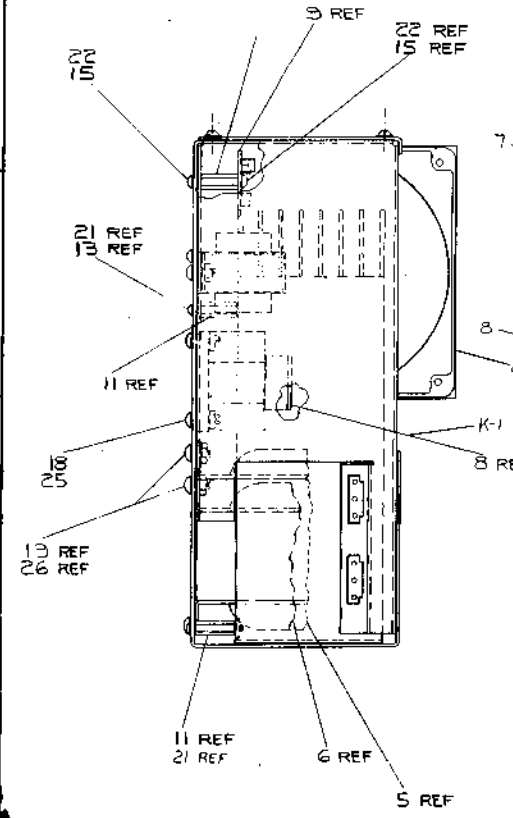
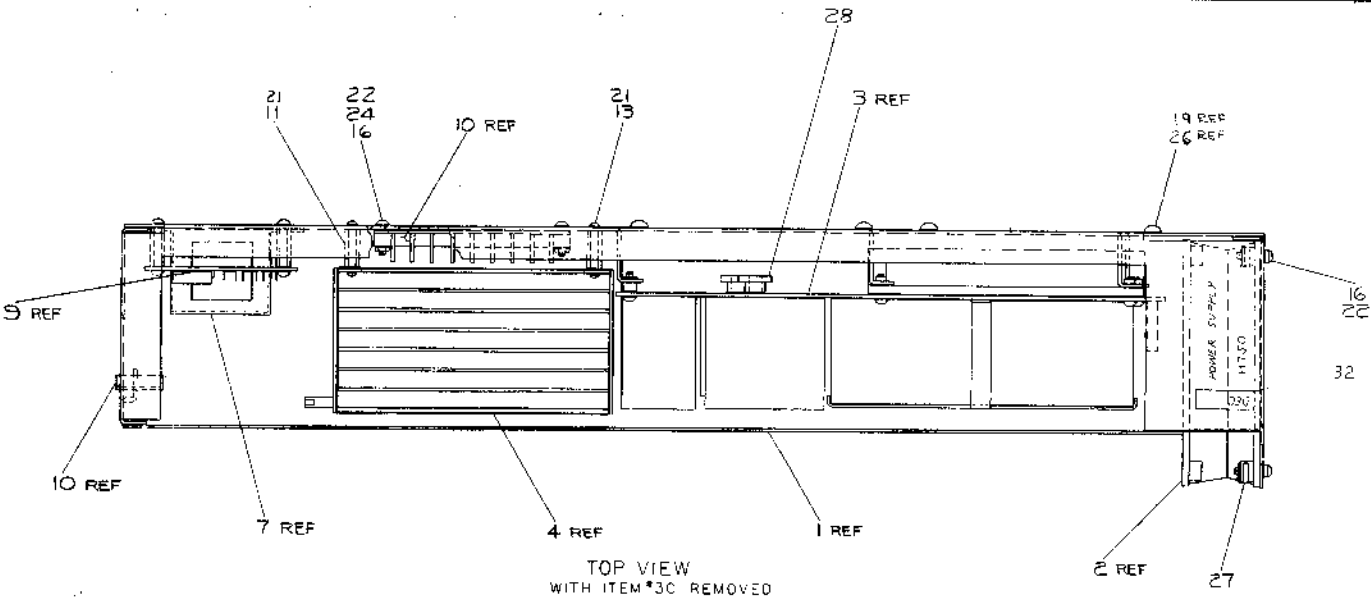
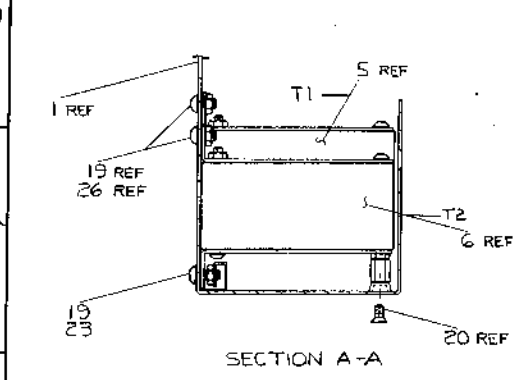
TITLE	SHEET	SIZE	CODE	NUMBER	REV
POWER SUPPLY H750	2 OF 3	B	DD	H750-0	M

CUSTOMER PRINT SET	ELECTRICAL					CUSTOMER PRINT SET	MECHANICAL							
H750-0	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	OPTION NO./FILE DATE	H750-0	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		1	E-UA-H750-0-0	A	2	H750 POWER SUPPLY ASSY			1	E-UA-H750-0-0	J	2	H750 POWER SUPPLY ASSY	
			D-CS-H750-0-1	B	1	CIRCUIT SCHEMATIC (H750 PS.)				E-IA-7409723-0-0	#	2	CHASSIS POWER SUPPLY	
			A-SP-H750-0-3	A	1	TEST PROCEDURE				1209403		1	FAN SUPER BOXER	
			1211222		1	RELAY			X	C-MD-7409722-0-0	#	1	COVER, POWER SUPPLY	
										A-DC-741006-0-0		1	DECAL	
		2	E-IA-5409728-0-0	#	1	REGULATOR BOARD			2	E-IA-5409728-0-0	#	1	REGULATOR BOARD	
			D-CS-5409728-0-1	#	1	CIRCUIT SCHEMATIC				D-CS-5409728-0-1	#	1	CIRCUIT SCHEMATIC	
			K-CO-5409728-0-4		1	X-Y COORDINATE HOLE LOC.				C-IA-5310126-0-0		1	HOLDER CAPACITOR	
			B-MH-5409728-0-6		1	MODULE ECO HISTORY				C-MD-5309779-0-0		1	CONTACT, COMMON CAPACITOR	
			5009727		1	ETCH BOARD				C-MD-5309781-0-0		1	CONTACT, CAPACITOR	
		3	E-UA-H744-0-0	#	1	5V REGULATOR			3	E-UA-H744-0-0	#	1	5V REGULATOR	
			D-CS-H744-0-1	#	1	CIRCUIT SCHEMATIC				D-CS-H744-0-1	#	1	CIRCUIT SCHEMATIC	
			B-MH-H744-0-4		1	X-Y COORDINATE HOLE LOCATION								
			K-CO-H744-0-5		1	ASSY/DRILLING HOLE LOCATION								
			D-AH-H744-0-6		1	MODULE ECO HISTORY								
			5009725		1	ETCH BOARD								
		4	E-IA-7009207-0-0	#	1	H750 POWER SUPPLY HARNESS			4	E-IA-7009207-0-0	#	1	H750 POWER SUPPLY HARNESS	
		5	B-CS-5411253	#	1	DIODE BOARD PS. CIRCUIT SCHEMATIC			5	B CS-5411253	#	1	DIODE BOARD P.S. CIRCUIT SCHEMATIC	
			K-CO-5411253		1	X-Y COORDINATE HOLE LOC.								
			B-MH-5411253		1	MODULE ECO HISTORY								
			E-IA-5011252		1	ETCH CIRCUIT BOARD								
		6	D-IA-7009227-0-0	#	1	TRANSFORMER REWORK (T1)			6	D-IA-7009227-0-0	#	1	TRANSFORMER REWORK (T1)	
			1611224		1	TRANSFORMER				1611224		1	TRANSFORMER	
		7	D-IA-7009228-0-0	#	1	TRANSFORMER REWORK (T2)			7	D-IA-7009228-0-0	#	1	TRANSFORMER REWORK (T2)	
			1611225		1	TRANSFORMER				1611225		1	TRANSFORMER	
		8	D-IA-7009229-0-0	#	1	TRANSFORMER REWORK (T3)			8	D-IA-7009229-0-0	#	1	TRANSFORMER REWORK (T3)	
			1610150		1	TRANSFORMER				1610150		1	TRANSFORMER	
		9	A-PI-3700089-0-0	#	2	PACKAGING INSTRUCTION			X	A-PI-3700089-0-0	#	2	PACKAGING INSTRUCTION	
			A PS 9905237-0-0		2	HALF SLOTTED CARTON INNER				A PS 9905237-0-0		2	HALF SLOTTED CARTON INNER	
			A PS 9905238-0-0		2	HALF SLOTTED CARTON OUTER				A PS 9905238-0-0		2	HALF SLOTTED CARTON OUTER	
			A PS 9905239-0-0		2	LAMINATED PIECE				A PS 9905239-0-0		2	LAMINATED PIECE	
CUSTOMER PRINT SET CODES	X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED						TITLE POWER SUPPLY H750	SHEET 3 OF 3		SIZE CODE B DD	NUMBER H750-0		REV M	

DRB 108

DEC 16-1325-1062-28-R972

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NOTES:
1 FOR USE IN HANDLING AND MANUFACTURING, ITEMS IN THE H750 POWER SUPPLY SHOULD BE ASSEMBLED AND INSTALLED IN THE CHASSIS (ITEM*) IN THE FOLLOWING ORDER:
A) THE RELAY (ITEM*8), TRANSFORMER REWORK (ITEM*7), DIODE BOARD (ITEM*9), HARNESS (ITEM*10), AND FAN (ITEM*2) SHOULD BE INSTALLED IN CHASSIS (ITEM*) FIRST.
B) TRANSFORMER (ITEM*5) AND TRANSFORMER (ITEM*6) TO CHASSIS.
C) REGULATOR BOARD (ITEM*3) TO CHASSIS.
D) REMOVE PLASTIC SHIELD AND SCR FROM ITEM*9 (H750) AND REPLACE WITH 4 ITEM*11. THEN INSTALL TO CHASSIS.

ITEM NO.	DESCRIPTION	PART NO.	QTY.
1	PACKAGING INSTRUCTION	A-5-370000-03	33
1	DECAL	A-6-741006	2A
4	SCREW PHILTRUSS NO 10-32 X 3/8	9006070-3	34
1	COVER POWER SUPPLY	E-1-400722	30
REF	TEST PROCEDURE	D-5-4750-2-1	23
3	BUSHING NILON FLANGE	9009428	29
4	CLIP, FAN W/O W	9009465	27
4	NUT, KEPS #4-32	9009465	26
5	NUT, KEPS #4-32	9009463	25
4	NUT, KEPS #4-32	9009460	24
8	WASHER, INT. TOOTHLOCK #10	9009458	23
10	WASHER, INT. TOOTHLOCK #8	9009457	22
6	WASHER, INT. TOOTHLOCK #4	9009452	21
4	SCREW, PHIL FLAT HD #4-32 X .25 L	9006070-2	20
8	SCREW PHILTRUSS NO #10-32 X 4 L	9006072-3	18
4	SCREW PHIL TRUSS HD #4-32 X .52 L	9006040-3	15
2	SCREW PHIL TRUSS HD #4-32 X 3/8 L	9006037-3	17
10	SCREW, PHIL PHN HD #6-32 X .52 L	9009215-1	16
6	SCREW, PHIL TRUSS HD #6-32 X .28 L	9009222-3	14
4	SCREW, PHIL PHN HD #4-40 X 3/8 L	0006010-1	13
2	SPACER #4-32 X .75 L	9009459	12
4	STANDOFF #6-32 X .75 HD. W/4 X .004	9009244	11
1	H750 POWER SUPPLY HARNESS (H750)	E-1A-7000230-0-0	10
1	DIODE BOARD P.S. (PS3)	A-6-541005	9
1	RELAY (R1)	1211227	8
7	TRANSFORMER REWORK (T3)	D-2A-7000023-0-0	7
1	TRANSFORMER REWORK (T2)	D-1A-7000215-0-0	6
1	TRANSFORMER REWORK (T1)	D-1A-7000027-0-0	5
2	50 REGULATORS (PS2)	E-1A-5000172-0-0	4
1	REGULATOR BOARD (PS1)	E-1A-5000172-0-0	3
1	FAN, SUPER DODGE (F1)	1209463-D-1	2
1	CHASSIS POWER SUPPLY	E-1A-7400242-0-0	1

DESCRIPTION	QTY.	PART NO.	REF. NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES			
TOLERANCES			
DECIMALS			
ANGLES			
DRILL DIA			
PLUG DIA			
HOLE DIA			
ROUNDED CORNERS AND BENDS UNLESS OTHERWISE SPECIFIED			
FINISH			
SEE PARTS LIST			
DRAWN BY			
CHECKED BY			
DATE			
APPROVED BY			
DATE			
SCALE			
SHEET 1 OF 2			

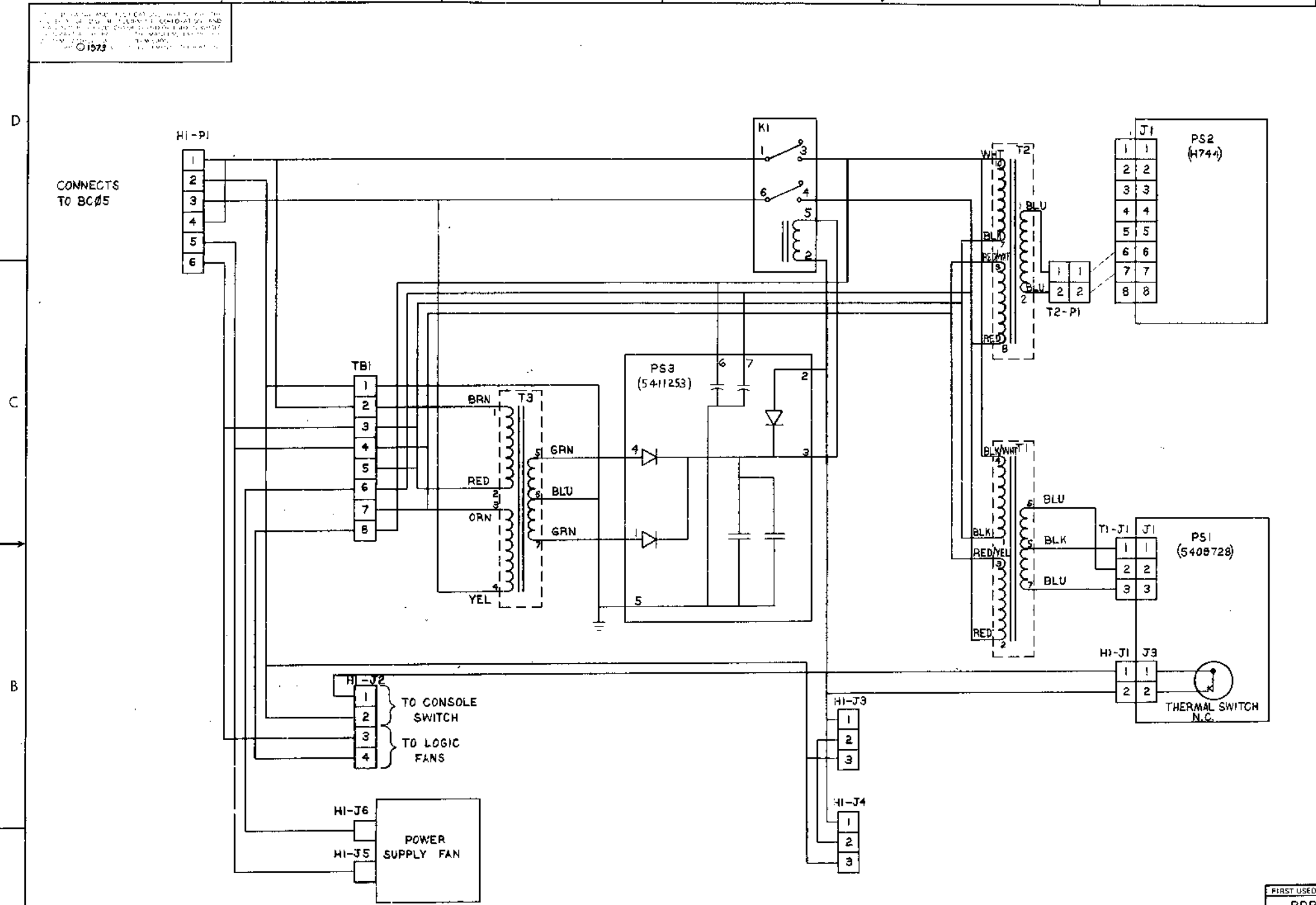
DIGITAL EQUIPMENT CORPORATION
 TITLE: H750 POWER SUPPLY ASSY
 DWA 1135-0-0
 E JA H750-0-0 L

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DIGITAL EQUIPMENT
CORPORATION

WIRE TABLE				
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS
		H1-31	PS1-33	
		H1-32	TO CHASSIS	
		H1-33	ITEM #1	
		H1-34	TO RAN	
18	RED	H1-35	ITEM #2	
	WHT	H1-36		
(11)	2	WHT	K1-6	
	1	RED	K1-3	
	1	WHT	K1-4	
	1	ORN	K1-5	
	1	Y/O	K1-2	
	1	RED	K1-1	
	1	RED	K1-1	
	1	Y/O	PS3-2	
	1	ORN	PS3-3	
	1	BLK	PS3-5	
1	BLK	PS3-2		
14	BLK	H1-49	PS3-5	
14	BLK	H1-50	T2-171	
(11)	14	BLK	T2-31	PS1-31
	1	RED	H1-TB1-5	ALL CONN- ECTIONS TO
	1	RED/WHT	H1-TB1-6	H1-TB1 ARE
	1	RED/WHT	H1-TB1-7	ON SIDE #2.
14	BLK/WHT	T2-9	H1-TB1-8	
(12)	14	BLK	T2-7	H1-TB1-5
	4	RED	T2-8	H1-TB1-6
	1	RED/WHT	T2-9	H1-TB1-7
	14	WHT	T2-10	H1-TB1-8
	20	BRN	T2-1	H1-TB1-2
	1	RED	T2-2	H1-TB1-3
(13)	1	ORN	T2-3	H1-TB1-7
	1	YEL	T2-4	K1-6
	1	GRN	T2-5	PS3-4
	1	GRN	T2-6	PS3-1
	20	BLU	T2-7	H1-TB1-1
(14)	14	BLK	K1-3	PS3-6
	18	BLK	K1-4	PS3-7

PARTS LIST		PART NO.		REV.	
H750		H750		L	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES		DATE		REV.	
DATE	BY	DATE	BY	DATE	BY
03-08	W.C.	03-08	W.C.	03-08	W.C.
03-08	W.C.	03-08	W.C.	03-08	W.C.
MATERIAL		DRAWING NO.		REV.	
SEE PARTS LIST		DUB-135-0-0		EUA H750-0-0	
TITLE		EQUIPMENT CORPORATION		REV.	
H750		POWER SUPPLY		L	
ASSY		REV.		REV.	

NOTES:
 1. HI INDICATES CONNECTORS IN POWER SUPPLY HARNESS. (E-IA-7008207-0-0)
 2. DOTTED LINES INDICATE CONNECTIONS VIA 7008208 HARNESS (NOT PART OF H750)



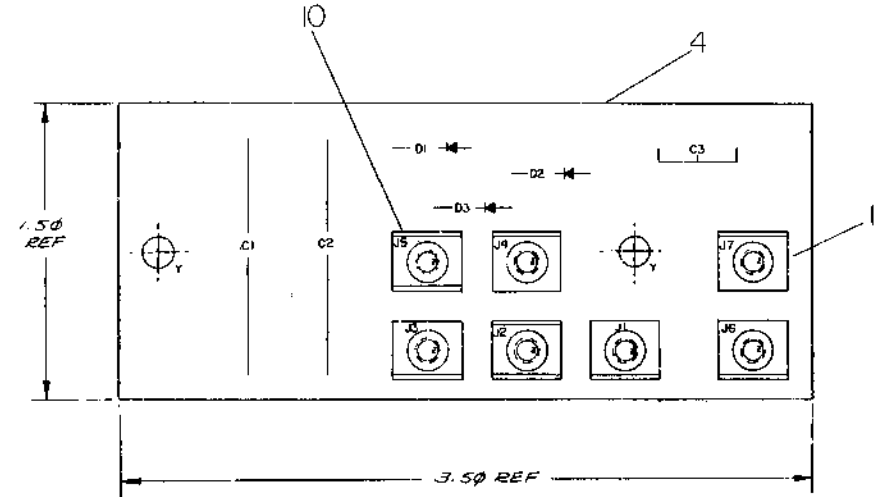
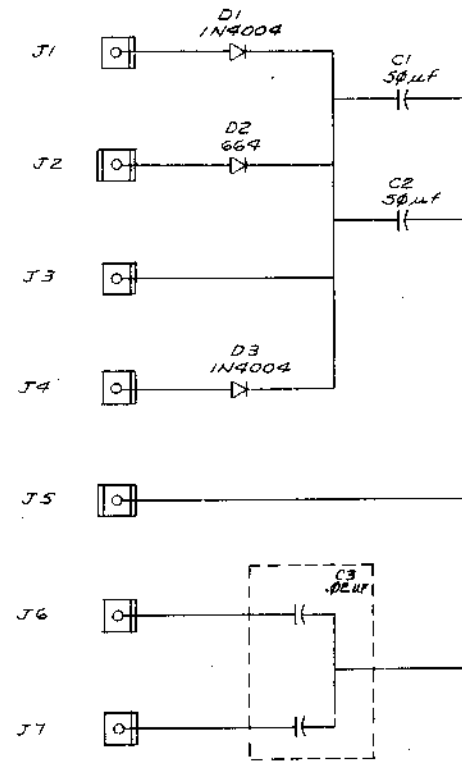
77	H750-00006	B
	REVISED AND REDRAWN	
	E. ALLAN	11-9-72
	R. WOLF	11-13-72
	H750-00011	L
	H750-00013	D
	BACON	

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11/35		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES	DRN	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES	K. DAVIS	1-17-73		
DECIMALS	J. CAHILL	2-13-73		
ANGLES	C. BLASI	2-13-73		
.XXX - .005	R. WOLF	2-14-73		
.XX - .02	G. STRINGER	2-21-73		
.X - .1				
REMOVE BURRS AND BREAK SPARS. CORNERS SURFACE QUALITY 7				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	SCALE	DCS	H750-0-1	0
	SHEET	1 OF 1	0-31	

DCS H750-0-1

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NOTES:



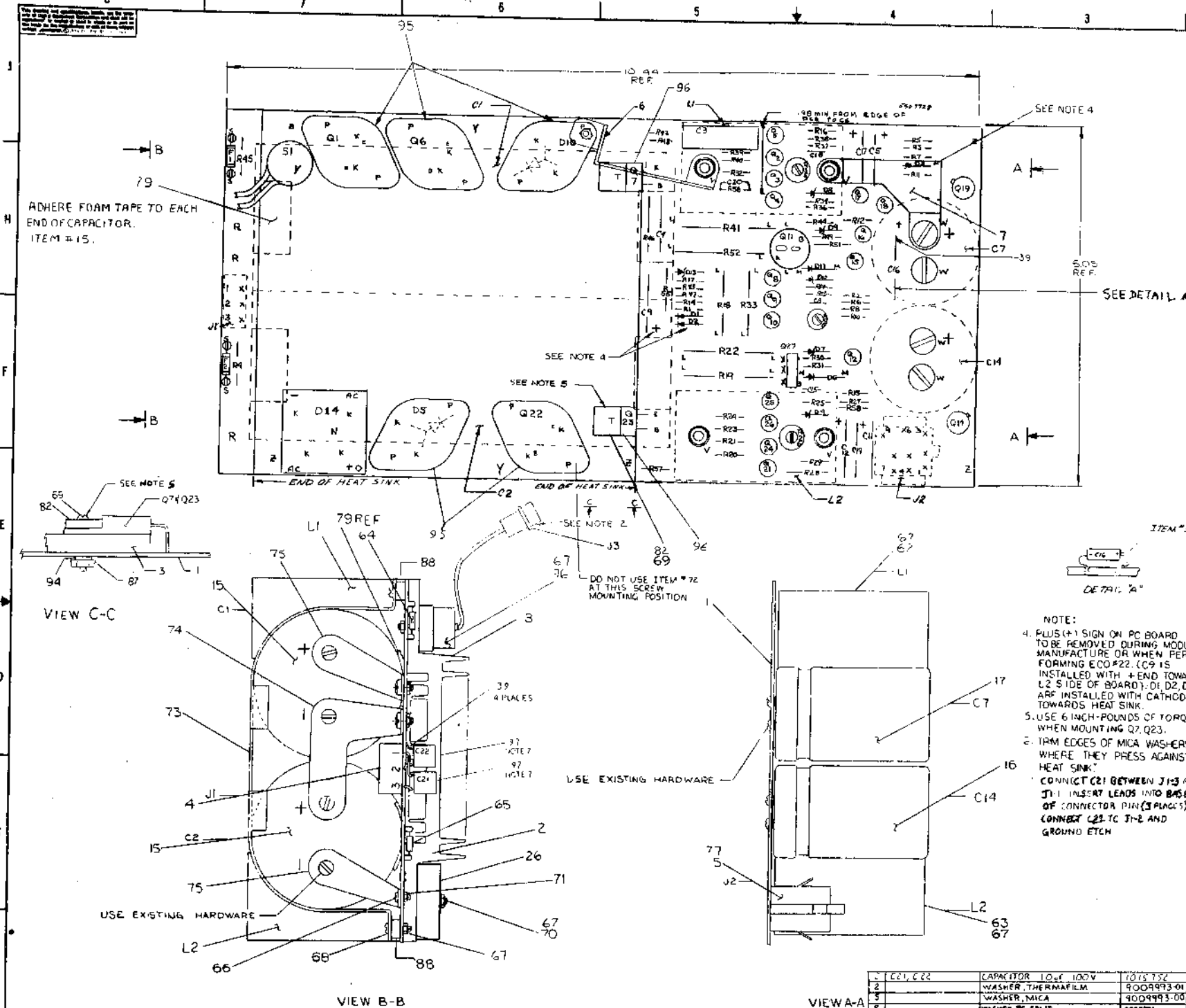
D	CS	5411253-0-1	2	1
---	----	-------------	---	---

REF	X-Y COORDINATE HOLE LOCATION	K-00-5411253-0-4	1	
REF	ASSY/DRILLING HOLE LAYOUT	D-94-5411253-0-5	2	
REF	MODULE ECO HISTORY	B-MH-5411253-0-6	3	
1	ETCHED CIRCUIT BOARD	5011252-00	4	
2	CAP 50μF 50V TANT	1000080-00	5	
1	C3	CAP 2X .02μF DISC	1010767-00	6
1	D2	DIODE 664	1100119-00	7
2	D1, D3	DIODE 1N4004	1105796-00	8
7	EYELET	9009500-00	9	
2	J2, J5	FASTON TAB	9007113-00	10
5	J1, J3, J4, J6, J7	FASTON TAB	9008219-0	11

IC TYPE			GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXPTIONS ARE STATED ABOVE				
IC PIN LOCATIONS				

FIRST USED ON OPTION MODEL	PARTS LIST			
H750	QTY	REF. DESIGNATION	DESCRIPTION	PART NO.
ETCH BOARD REV.	A			
DESIGNER	DATE	DATE	digital	
CHK'D			DIODE BOARD	
ENGR.				
PROJ. ENG.				
PROD.				
NEXT HIGHER ASSY				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
SEMICONDUCTOR CONVERSION CHART				SCALE
				SHEET 1 OF 1
		D E C S 5411253-0-1		REV. A

D E C S 5411253-0-1 A



ITEM #	REF DESIGNATION	DESCRIPTION	PART NO.	QTY	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	Q21, Q22	CAPACITOR 10.0 μF 100V	7015 157	97				
2		WASHER THERMAFILM	4000003 01	98				
3		WASHER MICA	4000003 00	27				
4		WASHER T8 1/8" 1/16"	180700	24				
5		SPECIAL ENTERPLANTIC CONDENSER PWB	A-SP-340178-01	23				
6		MANUFACTURING SPECIFICATION	A-SP-340178-02	22				
7		ASSEMBLY PROCEDURE	A-SP-340178-03	21				
8		INSPECTION PROCEDURE	A-SP-340178-04	20				
9		MANUFACTURING TEST PROCEDURE	A-SP-340178-05	19				

ITEM #	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	L1	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
2	L2	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
3	L3	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
4	L4	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
5	L5	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
6	L6	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
7	L7	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
8	L8	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
9	L9	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
10	L10	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70

NOTES:

- APPLY ITEM #8 (THERMAL COMPOUND) BETWEEN S1 AND HEATSINK.
- TRIM LEADS ON ITEM #76 (THERMOSTAT) 1/2 (51) INCHES AND ATTACH ITEM #64 (PINS) AND ITEM #83 (HOUSING) AS SHOWN.
- APPLY FLAT WASHER ITEM #72 BETWEEN SCR. HD. AND ETCHED BOARD WHEN MOUNTING COMPONENTS Q1, Q2, Q3, Q5 & D14.

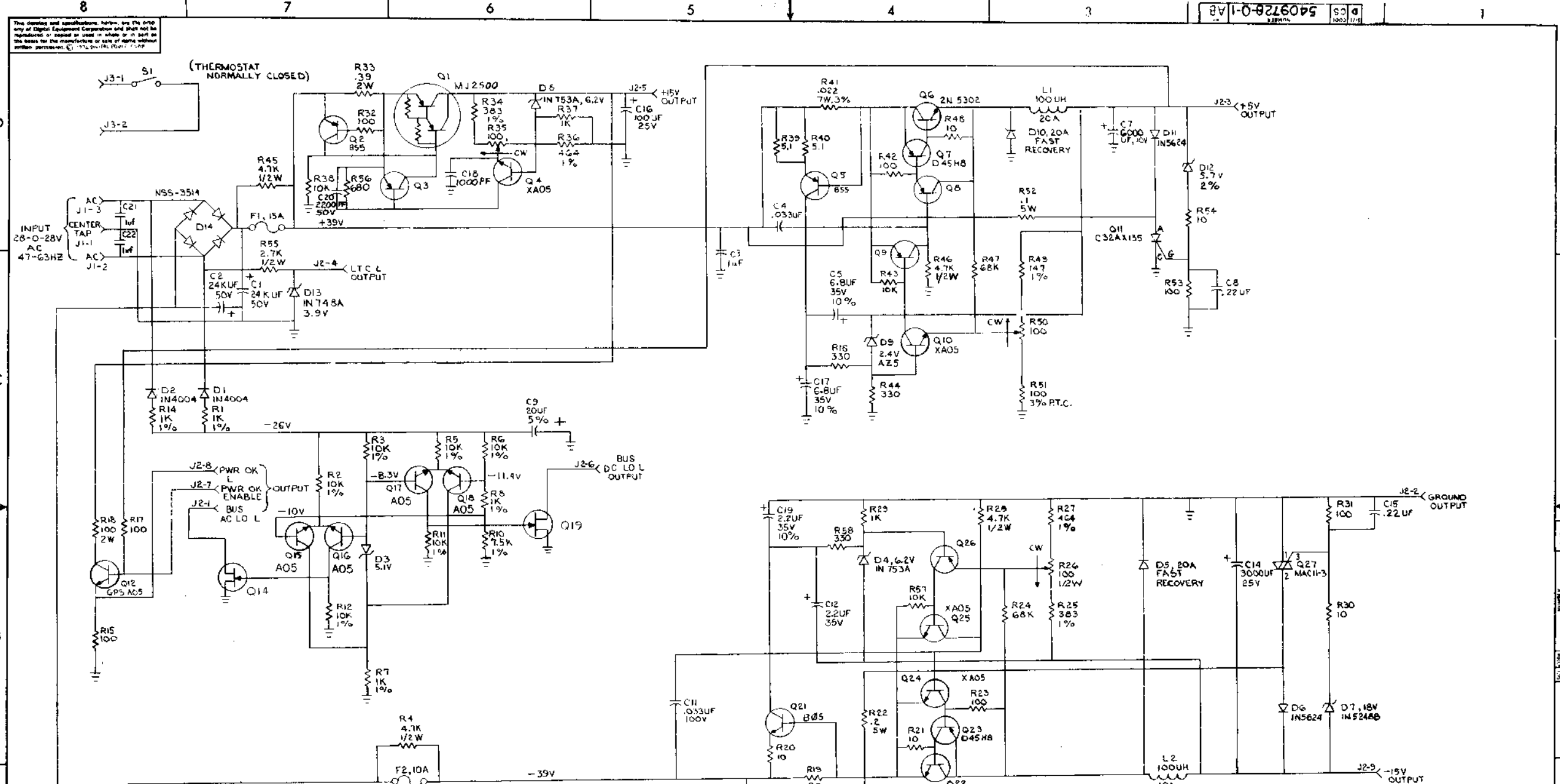
ITEM #	REF DESIGNATION	DESCRIPTION	PART NO.	QTY
1	S1	SPACER ALUM 1/8" DIA 1/16" LG	3000133	66
2	R1	MIL C-32	3000133	66
3	C1	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
4	C2	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
5	C3	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
6	C4	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
7	C5	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
8	C6	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
9	C7	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
10	C8	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
11	C9	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
12	C10	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
13	C11	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
14	C12	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
15	C13	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
16	C14	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
17	C15	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
18	C16	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
19	C17	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
20	C18	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
21	C19	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
22	C20	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
23	C21	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
24	C22	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
25	C23	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
26	C24	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
27	C25	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
28	C26	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
29	C27	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
30	C28	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
31	C29	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
32	C30	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
33	C31	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
34	C32	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
35	C33	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
36	C34	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
37	C35	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
38	C36	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
39	C37	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
40	C38	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
41	C39	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
42	C40	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
43	C41	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
44	C42	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
45	C43	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
46	C44	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
47	C45	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
48	C46	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
49	C47	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70
50	C48	SCR FULL PAN HD 3/8" X 1/2" LG	3007733-01	70

ETCH BOARD REV. 8

REGULATOR BOARD

11/05

DEC NO. 11A 5409728-0-0

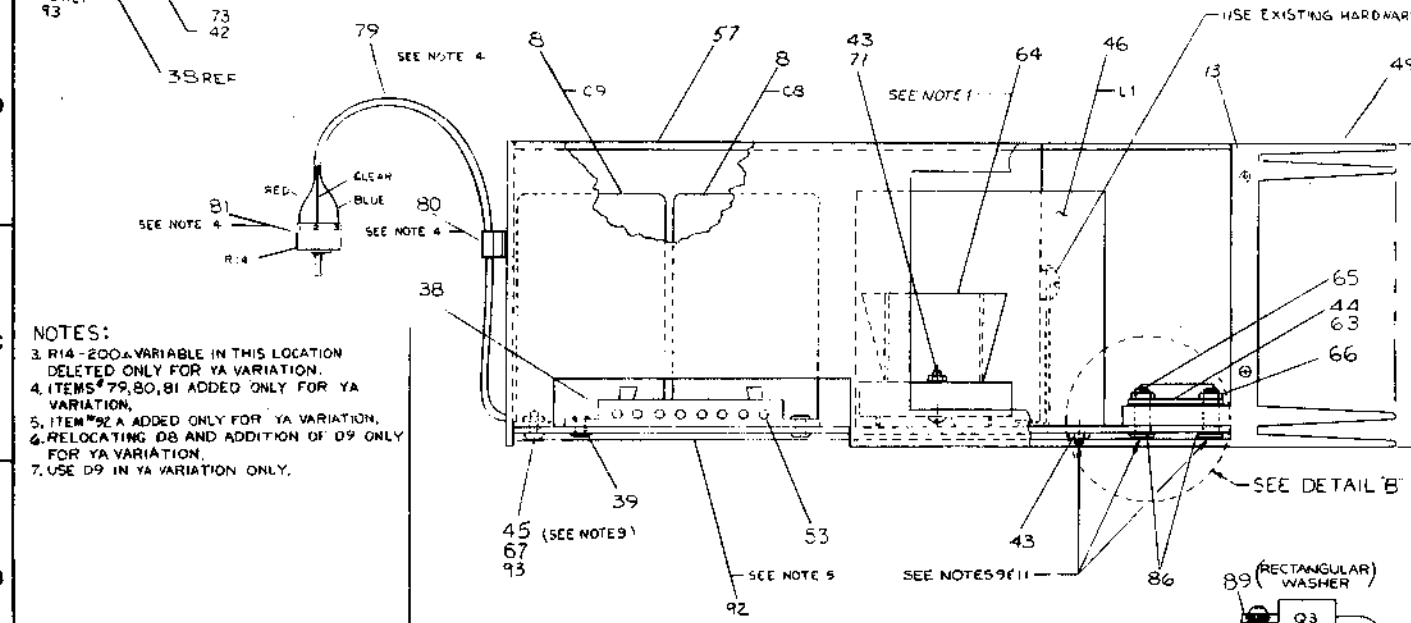
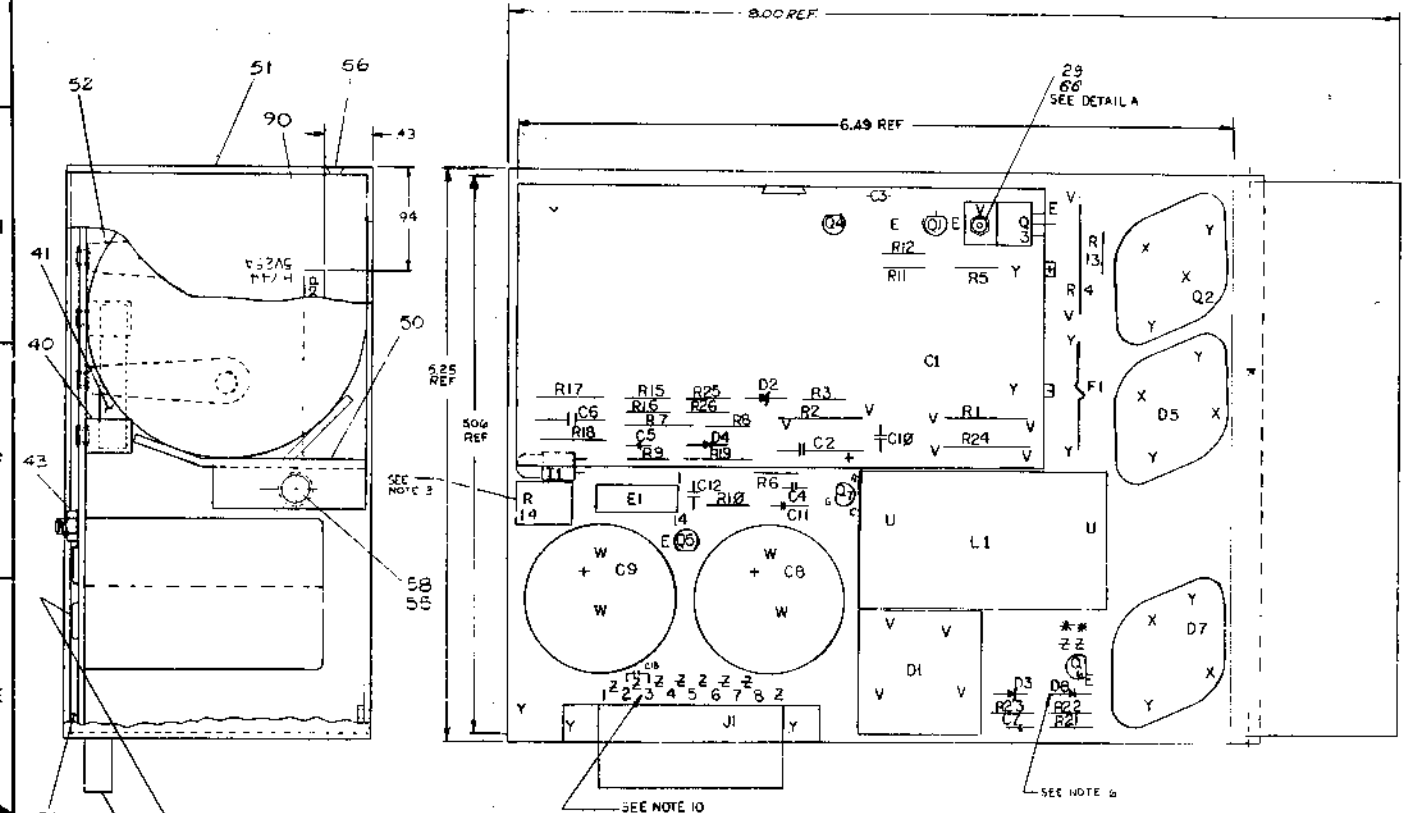


UNLESS OTHERWISE INDICATED:
 1% RESISTORS ARE 1/8W
 VOLTAGES ARE TAKEN AT NO LOAD WITH 115 VAC LINE
 VOLTAGES ARE ± 10% TAKEN BY A ≥ 10K_v METER
 TRANSISTORS = XA55

3-1-78	A. BARON	DESIGN
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED
3-1-78	A. BARON	REVISED

QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO.
PARTS LIST				
ETCH BOARD REV E				
DIGITAL EQUIPMENT CORPORATION				
REGULATOR BOARD FOR H740				
SIZE CODE DCS NUMBER 5409728-0-1 AB				
SCALE SHEET 1 OF 1				

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IC TYPE	QTY	FROM	TO
74181	1	1	1
74182	1	1	1
74183	1	1	1
74184	1	1	1
74185	1	1	1
74186	1	1	1
74187	1	1	1
74188	1	1	1
74189	1	1	1
74190	1	1	1
74191	1	1	1
74192	1	1	1
74193	1	1	1
74194	1	1	1
74195	1	1	1
74196	1	1	1
74197	1	1	1
74198	1	1	1
74199	1	1	1
74200	1	1	1

ITEM NO.	QTY	DESCRIPTION	REV
1	1	PCB	1
2	1	ETCHED CIRCUIT BOARD	1
3	1	ASSY DRILLING HOLE LAYOUT	1
4	1	X-Y COORDINATE HOLE LOCATION	1
5	1	MODULE ECO HISTORY	1
6	1	CIRCUIT SCHEMATIC	1

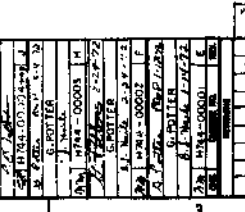
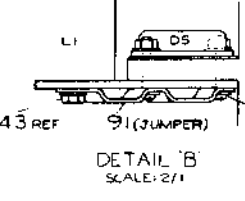
ITEM NO.	QTY	DESCRIPTION	REV
1	1	PACKING INSTRUCTIONS	1
2	1	SCR PHL PAN HD #4-32 X 5/8 LG	1
3	1	15 VOLT LAMP	1
4	1	LOCK WASHER #10 INT	1
5	1	WIRE MICRODOT	1
6	1	CLAMP CABLE	1
7	1	POT 10 TURN, 1K	1
8	1	RES 300A 1/4W 5%	1
9	1	RES 150A 1/4W 5%	1
10	1	RES 80A 5W 3%	1
11	1	DIODE ZENER 1N754	1
12	1	WASHER INT TOOTH #4	1
13	1	CAP .22UF 50V	1
14	1	RES 10 1/4W 5% FUSIBLE	1
15	1	WASHER RECTANGULAR	1
16	1	DECAL (M744)	1
17	1	JUMPER	1
18	1	COVER BOTTOM	1
19	1	WASHER FIBER	1

NOTES:
 1. APPLY ITEM #63 (COMPOUND) BETWEEN TRANSISTOR (Q2), DIODES (D5, D7) AND ITEM #44 (WASHER) ALSO BETWEEN ITEM #44 (WASHER) AND HEAT SINK (ITEM #92). ALSO APPLY ITEM #63 (COMPOUND) BETWEEN ITEM #9 (DIODE BRIDGE) AND ITEM #64 (HEAT SINK BRIDGE).

NOTES CONT.

ITEM NO.	QTY	DESCRIPTION	REV
20	1	CONTACT FEMALE	1
21	1	STRAP CAPACITOR	1
22	1	BRACKET REGULATOR	1
23	1	HOLDER CAPACITOR 7.5	1
24	1	HEAT SINK REGULATOR	1
25	1	CAP 56 PF	1
26	1	RESISTOR 10 1W	1
27	1	REACTOR 60MHY MMC-347	1
28	1	SCR PHL PAN HD #4-40 1/4 LG	1
29	1	WASHER INSULATOR	1
30	1	NUT KEPS 6-32	1
31	1	SCR #10-32 X 1/2 SLOTTED PAN HD	1
32	1	FUSE 5 AMP	1
33	1	FUSE CLIP	1
34	1	EYELET G6-4-5	1
35	1	MATE-N-LOCK CONN 8 PIN	1
36	1	INTEGRATED CIRCUIT DEC 753	1
37	1	TRANSISTOR A05	1
38	1	TRANSISTOR DASH 8	1
39	1	TRANSISTOR MP5455MOT	1
40	1	TRANSISTOR 2N5302	1
41	1	RES VARIABLE 200	1
42	1	RES 5.1 1/4W 5%	1
43	1	RES 100 1/4W 5%	1
44	1	SCR PHL #4-40 X 1/8	1
45	1	RES 27 1/4W 10%	1
46	1	RES 750 1/8W 1%	1
47	1	RES 27 1/4W 5%	1
48	1	RES 162K 1/8W 1%	1
49	1	RES 1K 1/4W 5%	1
50	1	RES 511 1/8W 1%	1
51	1	RES 18K 1/4W 5%	1
52	1	RES 10K 1/4W 5%	1
53	1	RES 02 5W 3%	1
54	1	RES 820 1W 10%	1
55	1	RES 3.9K 1W 10%	1
56	1	RES 10 1/4W 5%	1
57	1	RES 150 1/4W 5%	1
58	1	DIODE ZENER 1MA 51V	1
59	1	SCR MCR 6A9P-2	1
60	1	SCR PHL #4 X 1/8 LG SLOTTED	1
61	1	DIODE PWP NSP B17	1
62	1	DIODE PWP D664	1
63	1	DIODE ZENER IN4744	1
64	1	DIODE BRIDGE	1
65	1	CAP 6K4F 10V	1
66	1	CAP 31K4F 50V	1
67	1	CAP 100UF 25V	1
68	1	CAP .033UF 100V 10%	1
69	1	CAP 2700PF 100V 5% DM	1
70	1	CAP .01UF 100V 20% DISC	1
71	1	CAP 2.2UF 20V 10%	1
72	1	ETCHED CIRCUIT BOARD	1
73	1	ASSY DRILLING HOLE LAYOUT	1
74	1	X-Y COORDINATE HOLE LOCATION	1
75	1	MODULE ECO HISTORY	1
76	1	CIRCUIT SCHEMATIC	1

ITEM NO.	QTY	DESCRIPTION	REV
77	1	ETCHED CIRCUIT BOARD	1
78	1	ASSY DRILLING HOLE LAYOUT	1
79	1	X-Y COORDINATE HOLE LOCATION	1
80	1	MODULE ECO HISTORY	1
81	1	CIRCUIT SCHEMATIC	1

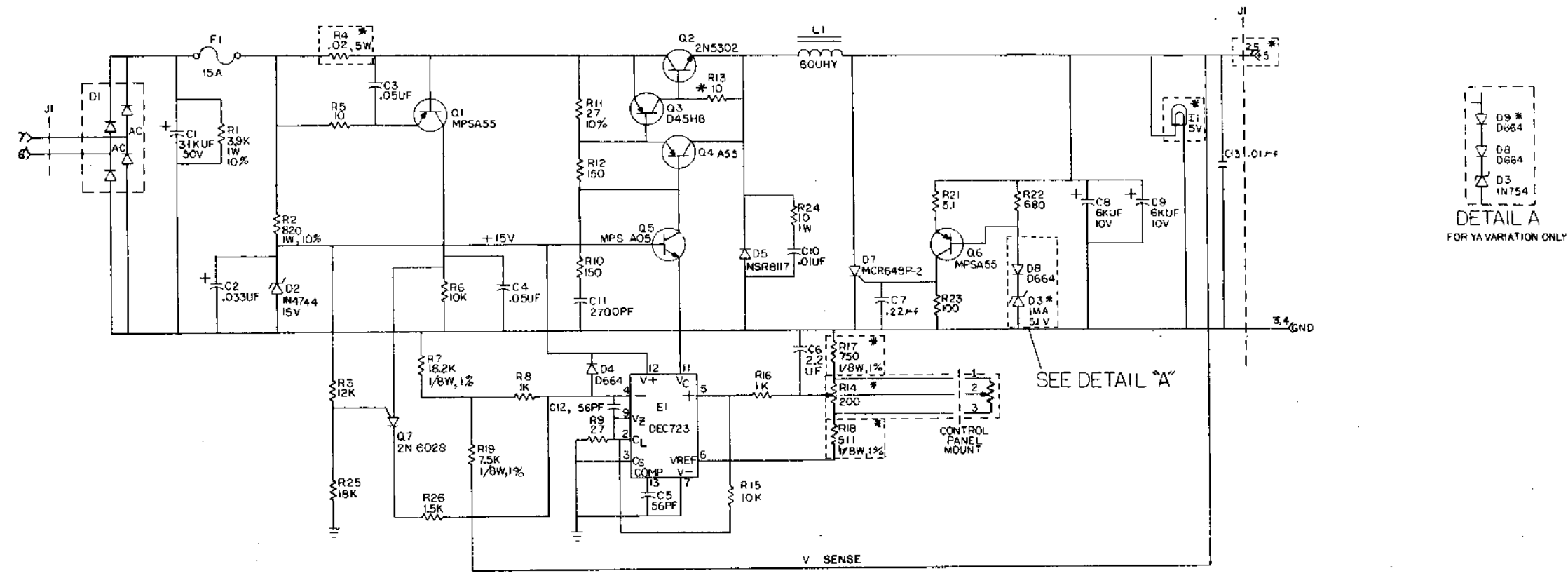


5V REGULATOR

EUA-1742-A-0-0

1

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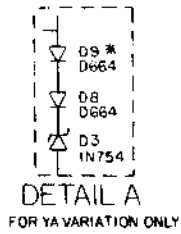


*FUSIBLE RESISTOR

FOR YA VARIATION COMPONENT VALUES ARE AS FOLLOWS:
 R4 - D6 5W
 R14 - 1K 10 TURN
 R17 - 300 1/8W 1%
 R18 - 150 1/4W 5%
 D3 - 1N754
 I1 - 15V
 J1-2,5 - +20-8.0V
 * D9 - D664 ADDED FOR YA VARIATION ONLY

UNLESS OTHERWISE INDICATED:
 RESISTORS ARE 1/4W, 5%

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
	ETCH BOARD REV	F H		
	D664	IN3606	2N5302	
	MCR649P-2	D45H8	MPSA05	
	1N754	SAME	MPSA55	
	1N4744	SAME		
	NSR8117			
	2N5028			
SEMICONDUCTOR CONVERSION CHART				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	



SEE DETAIL "A"

CONTROL PANEL MOUNT

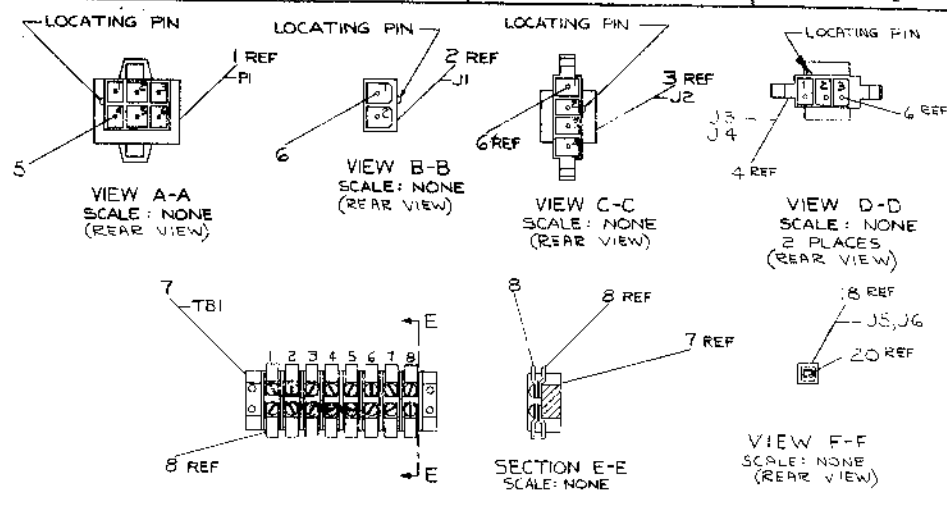
V SENSE

D
C
B
A

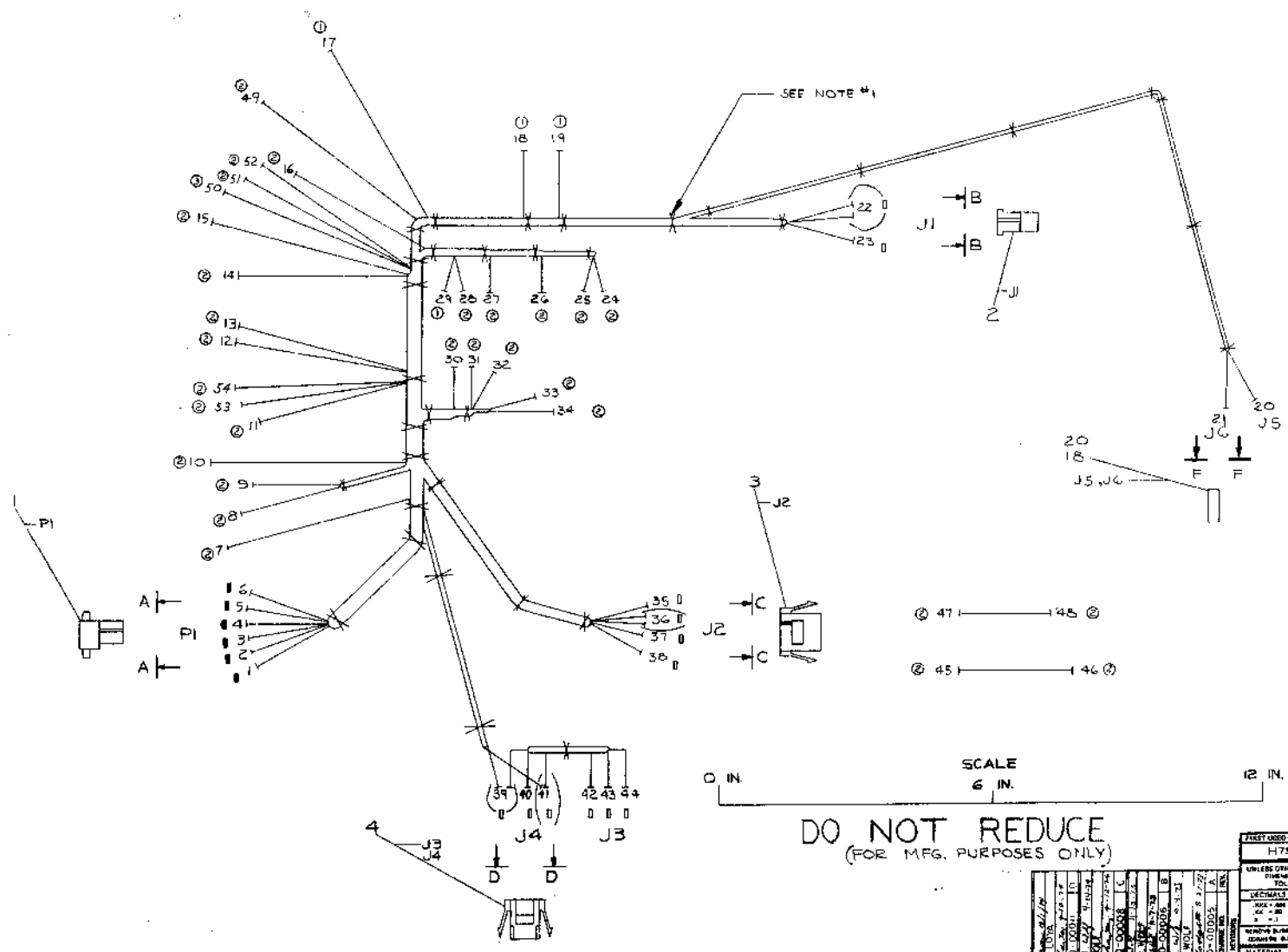
D
C
B
A

digital EQUIPMENT CORPORATION
 TITLE: 5V REGULATOR
 SIZE CODE: DCS NUMBER: H744-0-1

WIRE TABLE									
ITEM NO	AWG	COLOR	POINT	FROM CONN	TERM POINT	TO CONN	TERM POINT	WIRE LENGTH	SIGNAL
12	14	RED	1	PI-1	5	12	10	12	
11	14	BLK	2	PI-2	1	30	7BI-1	9	
14		WHT	3	PI-3	1	7		10	
12		RED	4	PI-4	1	32	TBI-2	9.5	
12		RED	5	PI-5	1	34	TBI-4	10.5	
14		WHT	6	PI-6	5	33	TBI-3	9.7	
17		RED	8		10	24	TBI-8	13.5	
14		WHT	9		10	26	TBI-6	12	
21		ORN	10		10	15		13.5	
19		VIO	11		10	14		9.2	
12		RED	13		10	31	TBI-2	7	
11	14	BLK	16		10	28	TBI-1	5.2	
15	18	BLK	17		9	22	J1-1	6	
15	18	BLK	39	J4-1	6	42	J3-1	6	
17		RED	18	TBI-4	9	20	J5	18.20	23.5
17		WHT	19	TBI-6	9	21	J6	18.20	22
19	18	BLU	23	J1-2	6	35	J2-1	6	
12	4	RED	25	TBI-5	10	38	J2-4	6	
14	14	WHT	27	TBI-3	9	37	J2-3	6	
15	18	BLK	29	TBI-1	9	36	J2-2	6	
15	18	BLK	41	J4-3	6	44	J3-3	6	
15	18	BLK	43	TBI-4	10	46	TBI-7	10	
12	14	RED	45	TBI-4	10	46	TBI-5	10	
14	14	WHT	47	TBI-3	10	48	TBI-8	10	
15	18	BLK	49	J4-2	6	43	J3-2	6	
17	14	BLK	51		10	50		22	
15	18	BLK	53	K1-3	10	51	P53-6	10	
15	18	BLK	59	K1-4	10	52	P53-7	10	



NOTES:
 1. USE TIE WRAPS (X) (ITEM #16) APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY AND AT BREAKOUT POINTS.



①	TERM. SOLDERLESS #50264	9007920	22
②	WIRE #14 STRD, ORN	9107870-39	21
③	WIRE #18 STRD, BLK	9107870-20	20
④	WIRE #18 STRD, BLU	9107870-22	19
⑤	WIRE #18 STRD, WHT	9107870-21	18
⑥	WIRE #18 STRD, VIO	9107870-23	17
⑦	WIRE #18 STRD, RED	9107870-24	16
⑧	WIRE #18 STRD, BLK	9107870-25	15
⑨	CONN. SOLDERLESS, ANKLESS #50304	9007815	10
⑩	CONN. SOLDERLESS, ANKLESS #50304	9007817	9
⑪	TERM. 1 LG. OFFSET, AMP #5045-1	9007818	8
⑫	TERM. BLOCK, CNCH #5-540	9006909	7
⑬	SOCKET TERM. CONTACT #48	1209379-01	6
⑭	PIN CONTACT (MALE)	1209379-01	5
⑮	CONN. MATE-IN-LOCK, 3 PIN	1209380-02	4
⑯	CONN. MATE-IN-LOCK, 4 PIN	1209380-04	3
⑰	CONN. MATE-IN-LOCK, 2 PIN	1209381-02	2
⑱	CONN. MATE-IN-LOCK, 6 PIN	1209381-06	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES

SCALE: 1/8" = 1"

MATERIAL: SEE PARTS LIST

FINISH: SEE PARTS LIST

SYN: 1

DESCRIPTION: H750 POWER SUPPLY HARNESS

PART NO: 7009207-C-0

REV: 0

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

	SEQUENCE		SEQUENCE
DWG. DIRECTORY	B-DD-BC5H- 0		
LINE SET 115V	C-UA-BC5H- 0		
LINE SET 230V	C-UA-BC5J- 0		
A.C INPUT BOX	D-UA-H4 0 - 0		
A.C INPUT BOX (P.L)	A-PL-H4 0 - 0		
PWR CONTROL BD. 115V	C-1A-5409824- 0		
PWR CONTROL BD. 230V	C-1A-5409825- 0		

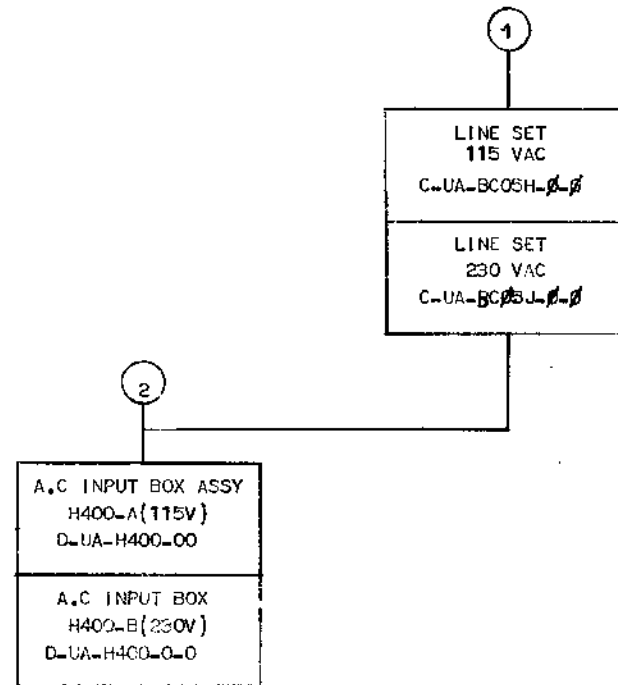
UNIT VARIATIONS		PRINT SET TYPE			
VARIATION	TITLE	BC5H	BC5J	H4	PL
BC5H	LINE SET 115VAC 7 AMP	X			
BC5J	LINE SET 230VAC 5 AMP		X		

REVISIONS		CHG. NO.	REV
DATE			

USED ON OPTION/MODEL		DRN.	DATE	TITLE
11/87		D. FONTAINE	4/5/72	LINE SET
		CHK'D <i>R. D.</i>	DATE 4-15-72	
		PROJ ENG. <i>R. D.</i>	DATE 4-18-72	
		PROD. <i>R. Wilson</i>	DATE 5/1/72	
		FIELD SERV. <i>WA. Perry</i>	DATE 7/3/72	

SIZE CODE	NUMBER	REV
B DD	BC5H-0	

SHEET 1 OF 3	DIST	
--------------	------	--

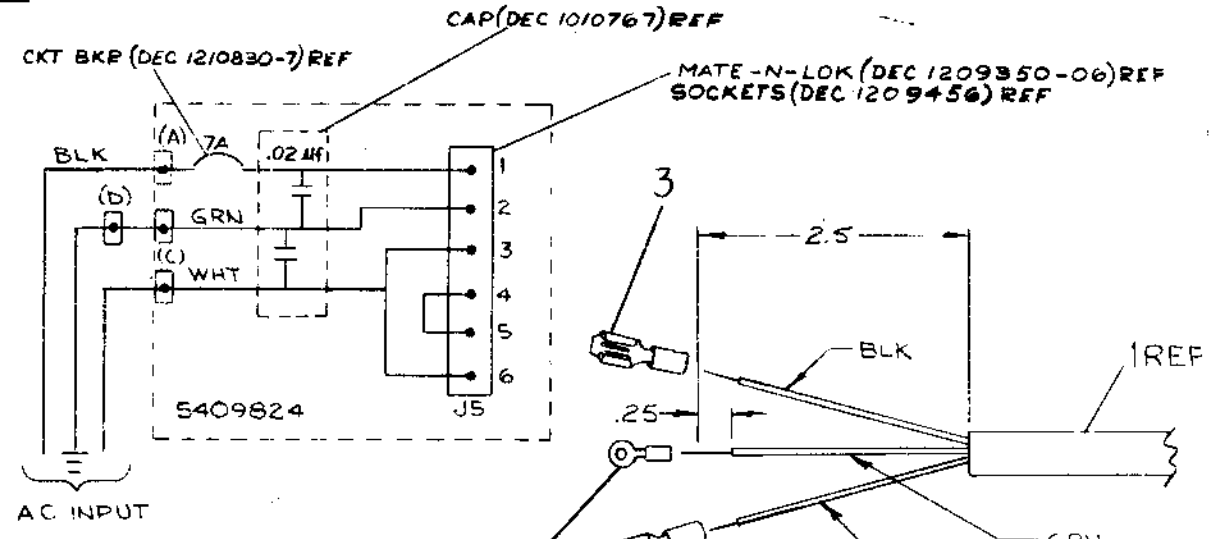


TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
LINE SET		B DD	BC05H-0	

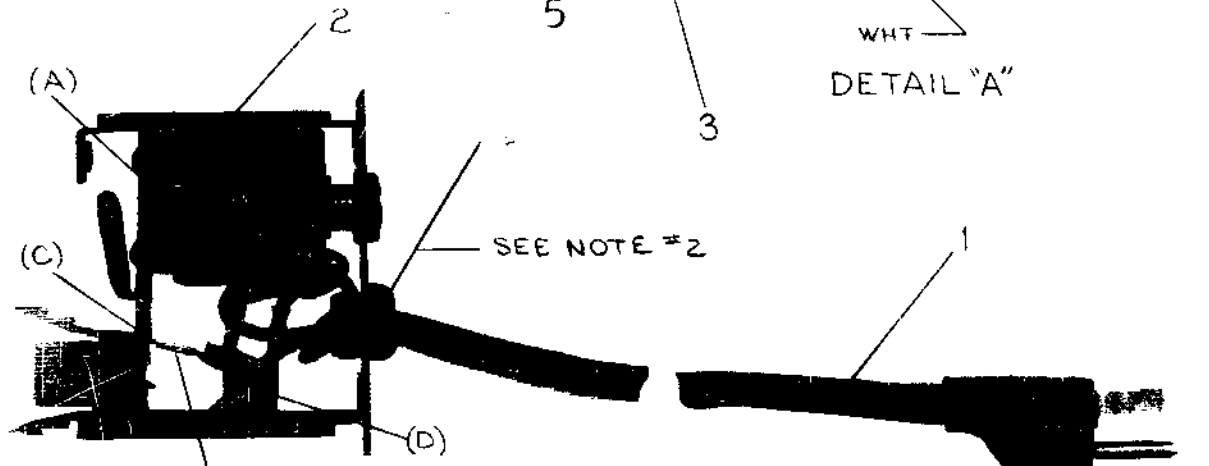
CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL				
BCOE-H-1	MFG.	SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	BCOE-H-1	MFG.	SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X				C-1A-5409825-0-0		1	POWER CONTROL BD 230V	H400	X				C-UA-BC05J-0-0		1	LINE SET 230V 5 AMP	BC05J
									X			2.	D-UA-H400-0-0		1	AC INPUT BOX	H400
									X				A-PL-H400-0-0		1	A.C INPUT BOX PARTS LIST	H400
													D-1A-5309845-0-0		1	BOX	H400
													C-MD-5309849-0-0		1	COVER	H400
													A-DC-5309899-0-0		1	PWR CONTROL DECAL 115V	H400
													A-DC-5309900-0-0		1	PWR CONTROL DECAL 230V	H400

TITLE	SHEET 3 OF 3	SIZE CODE	NUMBER	REV
LINE SET		B DD	BC05H-0	

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WHT
DETAIL "A"



SEE NOTE #2
SEE DETAIL 'A'
3 REF
SHOWN WITHOUT COVER

- NOTES:
1. CONNECT ITEM #1 (POWER CORD) AND ITEM #2 (AC INPUT BOX) PER CIRCUIT SCHEMATIC.
 2. FOR INSTALLATION USE HEYCO #29 STRAIN RELIEF PLIERS

QTY.	DESCRIPTION	PART NO	ITEM NO
1	TERMINAL, RING, RED	3007929-0	5
1	STRAIN RELIEF SR-6N3-4	9008492-2	4
2	CONNECTOR, FASTON, RED	9007970	3
1	AC INPUT BOX H400A	D-UA-H400-0-0	2
1	POWER CORD 120V	1700015-6	1

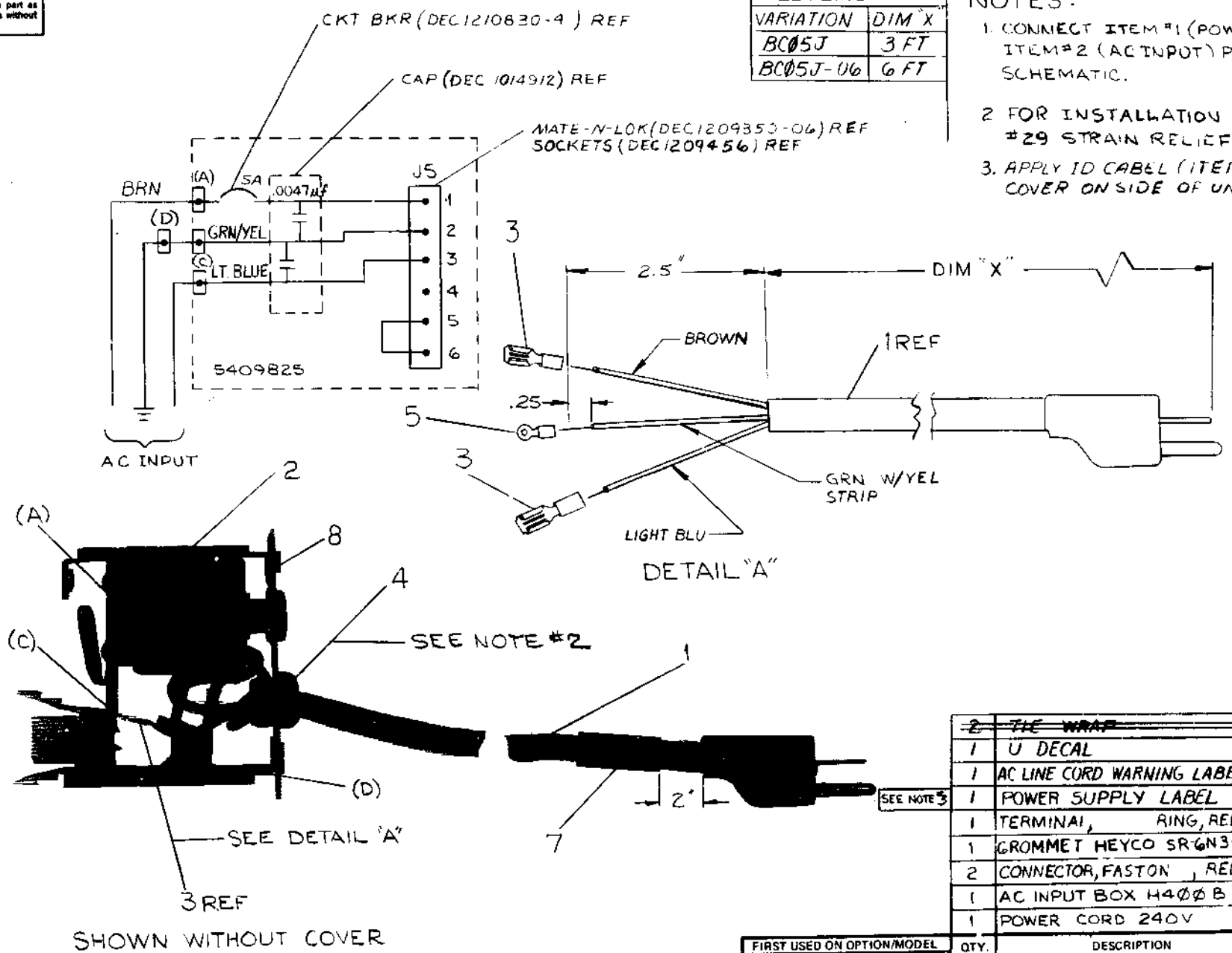
REV.	CHANGE NO.	REV.
A	BC05H-00001	A
B	3-28-72	B
C	5-13-72	C
D	5-25-72	D
E	5-31-72	E

FIRST USED ON OPTION/MODEL 11/05	QTY.	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN T. Quillen	DATE 12-22-71	digital EQUIPMENT CORPORATION MAYFORD, MASSACHUSETTS	
DECIMALS XXX = .005 XX = .02 X = .1	CHK'D C. Antone	DATE 1-8-72	TITLE LINE SET 115V AC 7 AMP	
ANGLES 10' 30'	ENG. D. DeMunnich	DATE 1-9-72	REV. E	
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓	PROJ. ENG. R. H. Hays	DATE 1-7-72	SIZE CODE CUA	
MATERIAL	PROD. R. K. Peterson	DATE 1/2/72	NUMBER BC05H-0-0	
FINISH	NEXT HIGHER ASSY.	SCALE	SHEET 1 OF 1	
DIST.		REV.		

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LEGEND	
VARIATION	DIM "X"
BC05J	3 FT
BC05J-06	6 FT

- NOTES:
- CONNECT ITEM #1 (POWER CORD), AND ITEM #2 (AC INPUT) PER CIRCUIT SCHEMATIC.
 - FOR INSTALLATION USE HAYCO #29 STRAIN RELIEF PLIERS.
 - APPLY ID CABEL (ITEM #6) TO BACK COVER ON SIDE OF UNIT.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	TIE WRAP	3007031	9
1	U DECAL	3612063	8
1	AC LINE CORD WARNING LABEL	3611448	7
1	POWER SUPPLY LABEL	9009255-01	6
1	TERMINAL, RING, RED	9007929-0	5
1	GROMMET HEYCO SR6N3-4	9008492-2	4
2	CONNECTOR, FASTON, RED	9007970	3
1	AC INPUT BOX H400 B	DUA H400-0-0	2
1	POWER CORD 240V	1700043	1

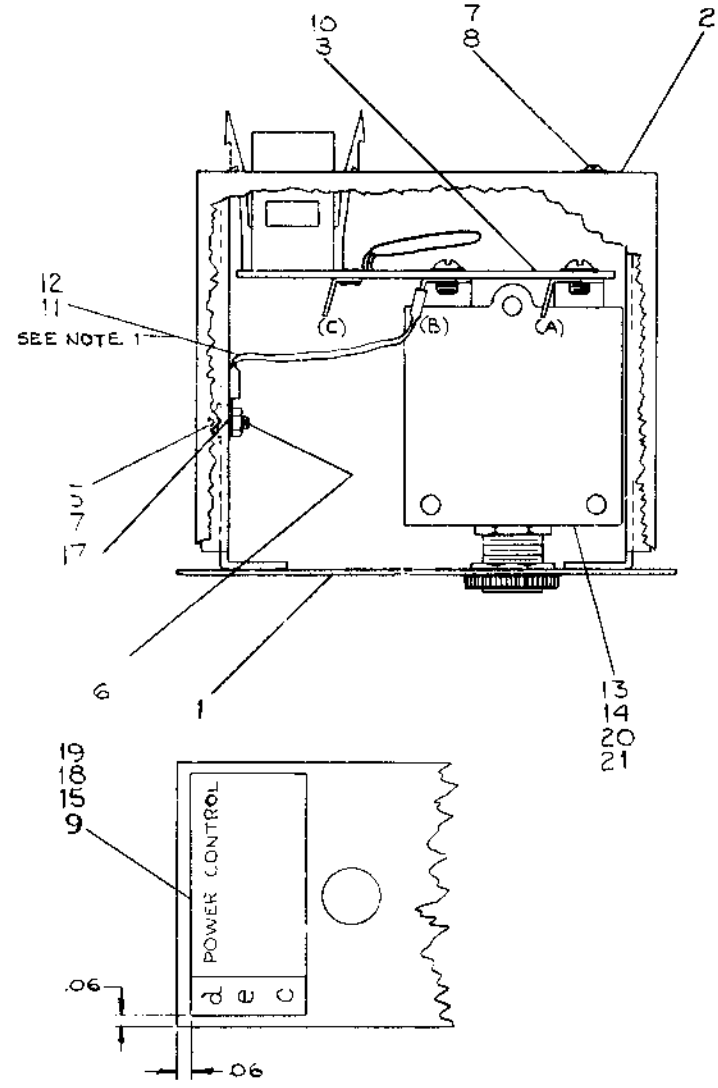
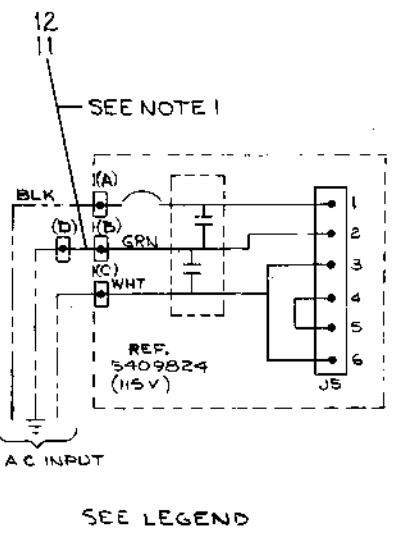
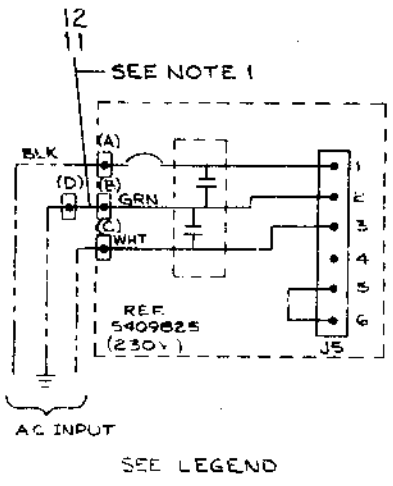
FIRST USED ON OPTION/MODEL		PARTS LIST	
11/05		DRN	DATE
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		T. Quillin	12-27-71
DECIMALS	ANGLES	CHKD	DATE
.XXX = .005	±0° 30'	W. J. Quinn	1-4-72
.XX = .02		ENG	DATE
.X = .1		David D. Quinn	1-9-72
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROJ ENG	DATE
		R. J. Quinn	1-7-72
MATERIAL	NEXT HIGHER ASSY.	PROD	DATE
		R. K. Paterson	1/7/72
FINISH	SCALE	TITLE	
		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
		LINE SET	
		230V AC 4 AMP	
		SIZE CODE	NUMBER
		C UA	BC05J-0-0
		DIST.	REV
			H

REV.	CHANGE NO.	REV.
A	BC05J-00001	WOLFF
B	H400-00002	R. BURTON
C	BC05J-00002	R. BURTON
D	BC05J-00003	R. BURTON
E	BC05J-00005	R. BURTON
F	BC05J-00006	R. BURTON
G	BC05J-00007	R. BURTON
H	BC05J-00007	R. BURTON

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LEGEND		
NUMBER	VARIATION	USED ON
H400-A	115 VAC 7AMP	BC05H
H400-B	230 VAC 4AMP	BC05J
H400-C	115 VAC 10AMP	BC05T
H400-D	230 VAC 6AMP	BC05U

NOTES:
 1. ITEM #11 (WIRE) AND TWO OF ITEM #12 (FASTON TABS) ARE TO BE CONNECTED FROM POINT D TO POINT B.



REV.	CHG.	NO.	DATE	BY	CHK.
A		00002	5-25-72	R. BURTON	
B		00003	5-31-72	R. BURTON	
C		00004	7-1-72	R. BURTON	
D		00005	7-1-72	R. BURTON	
E		00007	7-1-72	R. BURTON	
F		00008	10-1-72	R. WOLF	

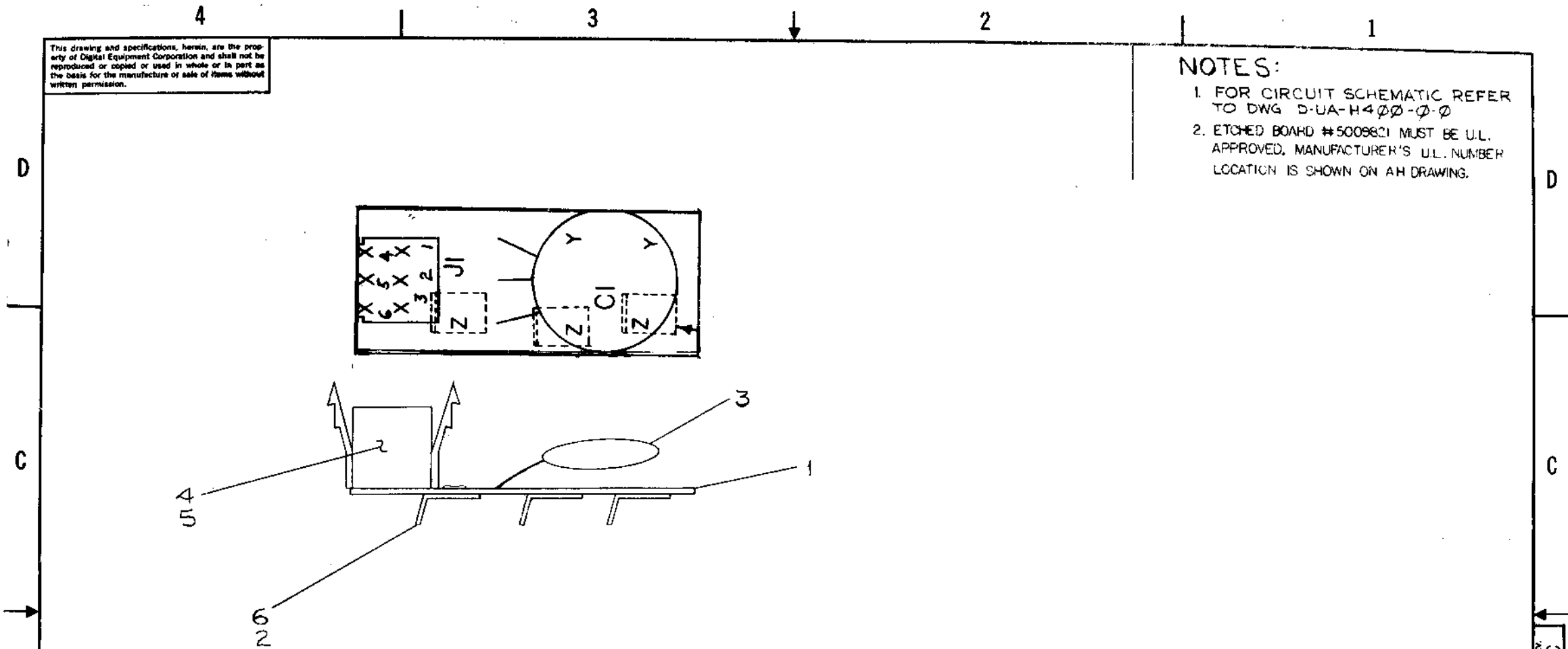
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.											
D-UA-BC05H-0-0		AC INPUT BOX ASSY													
<table border="1"> <tr> <td>DRN</td> <td>DATE</td> <td rowspan="2">digital EQUIPMENT CORPORATION</td> </tr> <tr> <td>ENG.</td> <td>DATE</td> </tr> <tr> <td>PROJ. ENG.</td> <td>DATE</td> <td></td> </tr> <tr> <td>PROD.</td> <td>DATE</td> <td></td> </tr> </table>					DRN	DATE	digital EQUIPMENT CORPORATION	ENG.	DATE	PROJ. ENG.	DATE		PROD.	DATE	
DRN	DATE	digital EQUIPMENT CORPORATION													
ENG.	DATE														
PROJ. ENG.	DATE														
PROD.	DATE														
MATERIAL		NEXT HIGHER ASSY.													
FINISH		SCALE													
SHEET		OF													

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION															
PARTS LIST			H400-A (115V)	H400-B (230V)	H400-C (115V)	H400-D (230V)												
MADE BY	TYRONE QUILLIN	CHECKED	<i>[Signature]</i>															
DATE	12-1-71	DATE	<i>1-9-72</i>															
ENG	<i>David L. [Signature]</i>	PROD	<i>N.K. Peterson</i>															
DATE	<i>1-8-72</i>	DATE	<i>1/2/72</i>															
ISSUED		SECT.																
ISSUED SECT.																		
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																
1	D-IA-5309845-0-0	BOX	1	1	1	1												
2	C-MD-5309849-0-0	COVER	1	1	1	1												
3	C-IA-5409825-0-0	POWER CONTROL BOARD (230V)	-	1	-	1												
4	9007113	DOUBLE FASTAB	1	1	1	1												
5	9006022-1	SCR PHL PAN HD #6-32 x 3/8 LG	1	1	1	1												
6	9006185	KEP NUT HEX HD #6-32	1	1	1	1												
7	9006633	WASHER INT. #6	2	2	2	2												
8	9006020-1	SCR PHL PAN HD #6-32 x 1/2 LG	1	1	1	1												
9	A-DC-5309899-0-0	PWR CONTROL DECAL 115V	1	-	-	-												
10	C-IA-5409824-0-0	POWER CONTROL BOARD (115V)	1	-	1	-												
11	9107360-55	#18 AWG STRD 3/16 INS (GRN 3 IN. LG)	1	1	1	1												
12	9007917	FASTON TABS	1	1	1	1												
13	1210830-4	CRK BREAKER (WOOD 4 AMP)	-	1	-	-												
14	1210830-7	CRK BREAKER (WOOD 7 AMP)	1	-	-	-												
15	A-DC-5309900-0-0	PWR CONTROL DECAL (230V)	-	1	-	-												
16	9006632	WASHER - INTERNAL TOOTH	1	1	1	1												
17	9007929-01	CRIMP-ON EYELET	1	1	1	1												
18	A-DC-7410727-0-0	PWR CONT DECAL	-	-	1	-												
19	A-DC-7410726-0-0	PWR CONT DECAL	-	-	-	1												
20	1210830-5	CKT BREAKER (WOOD 5 AMP)	-	-	-	1												
21	1210830-10	CKT BREAKER (WOOD 10 AMP)	-	-	1	-												
TITLE		AC INPUT BOX ASS'Y	ASSY NO.		D-UA-H400-0-0		SIZE	CODE		NUMBER		REV.		ECO NO.				
							A	PL		H400-0-0		E		H400-00008				
			SHEET 1 OF 1		DIST.		G											

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NOTES:

1. FOR CIRCUIT SCHEMATIC REFER TO DWG D-UA-H400-0-0
2. ETCHED BOARD #5009821 MUST BE U.L. APPROVED. MANUFACTURER'S U.L. NUMBER LOCATION IS SHOWN ON AN DRAWING.



QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
		ASSY/DRILLING HOLE LAYOUT	D-AH-5409824-05	REF
3		FASTON TAB	9008219	6
6		P.C. SOCKETS FEMALE	1209456	5
1	J1	MATE-N-LOCK 6-PIN	1209350-06	4
1	CI	CAP INPUT .02 M.F	1010767	3
3		EYELET # GS4-5	9009000	2
		ETCHED CIRCUIT B D	5009821	1
		MODULE ECO HISTORY	B-MH-5409824-0-6	REF
		X-Y COORDINATE HOLE LOCATION	K-CO-5409824-0-0	REF

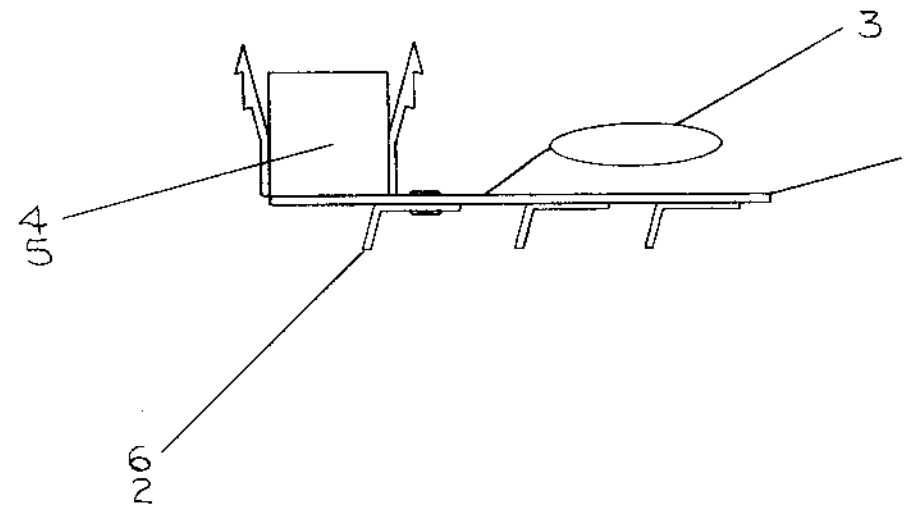
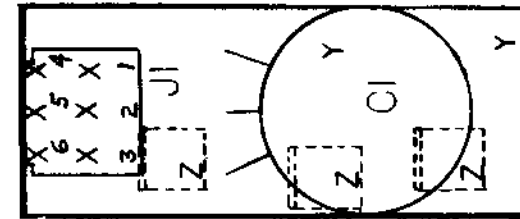
FIRST USED ON OPTION/MODEL		PARTS LIST	
H400 A			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>T. Quillen</i> DATE 12-8-71	digital EQUIPMENT CORPORATION WATYARD MASSACHUSETTS TITLE POWER CONTROL BOARD (115 V)
DECIMALS	ANGLES	CHK'D <i>M. Lawrence</i> DATE 1-9-72	
XXX - .005	±0° 30'	ENG. <i>David De M...</i> DATE 1-4-72	
XX - .02		PROJ. ENG. <i>Russell...</i> DATE 2-6-72	
X - .1		PROD. <i>R.K. Peterson</i> DATE 1/7/72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.	
MATERIAL		C-UA-H400-0-0	SIZE CODE NUMBER REV. C IA 5409824-0-0 C
FINISH		SCALE	
		SHEET 1 OF 1	DIST. 6

CHK	CHANGE NO.	REV.
<i>[Signature]</i>	5409824-00001	A
<i>[Signature]</i>	<i>[Signature]</i>	1-72
<i>[Signature]</i>	R. WOLF	
<i>[Signature]</i>	<i>[Signature]</i>	
<i>[Signature]</i>	5409824-00002	B
<i>[Signature]</i>	<i>[Signature]</i>	5/22/72
<i>[Signature]</i>	R. BURTON	
<i>[Signature]</i>	<i>[Signature]</i>	
<i>[Signature]</i>	5409824-00003	C
<i>[Signature]</i>	<i>[Signature]</i>	10-24-73
<i>[Signature]</i>	R. WOLF	
<i>[Signature]</i>	<i>[Signature]</i>	12-3-73

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NOTES:

- FOR CIRCUIT SCHEMATIC REFER TO DWG D-UA-H400-0-0.
- ETCHED BOARD # 5009822 MUST BE U.L. APPROVED. MANUFACTURER'S U.L. NUMBER LOCATION IS SHOWN ON AN DRAWING.



QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
		ASSY/DRILLING HOLE LAYOUT	D-AH-5409825-0-5	REF
3		FASTON TAB	9008219	6
6		P.C. SOCKETS MALE	1209456	5
1	J1	6-PIN MATE-N-LOCK	1209350-06	4
1	C1	CAP. INPUT .0047UF	1014912	3
3		EYELET #659-5	9009000	2
1		ETCHED CIRCUIT BOARD	5009822	1
		MODULE ECO HISTORY	B-MH-5409825-0-6	REF
		X-Y COORDINATE HOLE LOCATION	KCO-5409825-0-4	REF

FIRST USED ON OPTION/MODEL		PARTS LIST	
H400 B		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN <i>T. Quinn</i> DATE 12-9-71	DATE 1-4-72
DECIMALS	ANGLES	CHK'D <i>R. Peterson</i> DATE 1-4-72	DATE 1-7-72
XXX = .005	±0° 30'	ENG. <i>W. D. Thompkins</i> DATE 1-7-72	DATE 1-7-72
XX = .02		PROJ. ENG. <i>R. Peterson</i> DATE 1-7-72	
X = .1		PROD. <i>R. Peterson</i> DATE 1-7-72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		TITLE POWER CONTROL BOARD (230V)	
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER
FINISH	C-UA-H400-0-0	CIA	5409825-0-0
	SCALE	DIST.	REV. E
	SHEET	OF	

REV.	CHANGE NO.	REV.
A	5409825-00001	R. WOLF
B	5409825-00002	R. WOLF
C	5409825-00003	R. WOLF
D	5409825-00004	A. BARON
E	5409825-00005	A. BARON

REV. E
NUMBER
CIA 5409825-0-0

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CKT BKR (DEC 1210830-10) REF

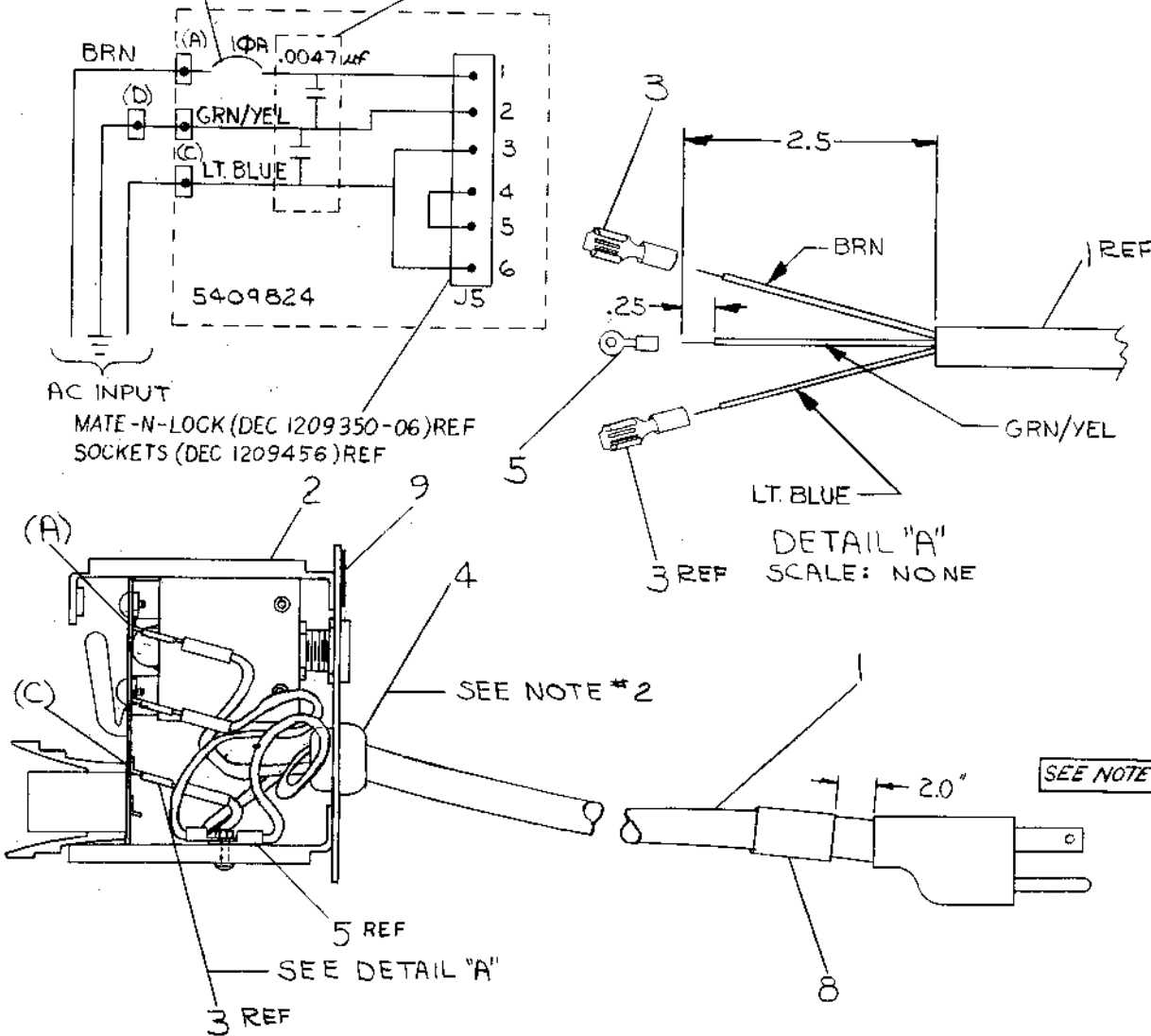
CAP (DEC 1014912) REF

LEGEND

NUMBER	VARIATION
BC05T-06	1700015-6
BC05T-09	1700015-9

NOTES:

- CONNECT ITEM #1 (POWER CORD) AND ITEM #2 (AC INPUT BOX) PER CIRCUIT SCHEMATIC.
- FOR INSTALLATION USE HEYCO #20 STRAIN RELIEF PLIERS.
- APPLY ID LABEL (ITEM #10) TO BACK COVER.



SHOWN WITHOUT COVER

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, POWER SUPPLY	9009255-01	10
1	U DECAL	3612063	9
1	AC LINE CORD WARNING LABEL	3611448	8
1	CABLE LABEL	9009532	7
2	TIE WRAP (SM)	9007031	6
1	RING TERMINAL RED	9007929-0	5
1	STRAIN RELIEF GN3-4	9008492-2	4
2	FAST ON RED	9007970	3
1	AC INPUT BOX H400C	H400-C	2
1	POWER CORD 120V	SEE LEGEND	1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/35				

DRN.	DATE	CHKD.	DATE	ENG.	DATE	PROJ. ENG.	DATE	PROD.	DATE
K. Davis	11-21-72								

MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
+	E-AD-BALL-D-0	C	UA BC05T-0-0	E

FINISH	SCALE	SHEET	OF	DIST.
+	NONE	1	1	

CHK	CHANGE NO.	REV.	DATE	BY
	BC05T-00001	A	9-6-73	C. BLASI
	BC05T-00002	B	6-11-73	Ernie A.
	BC05T-00003	C	6-15-73	C. BLASI
	BC05T-00004	D	11-23-75	J. Macken
	BC05T-00005	E	27 MAR 78	A. BARON

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CKT BKR (DEC 1210830-5) REF

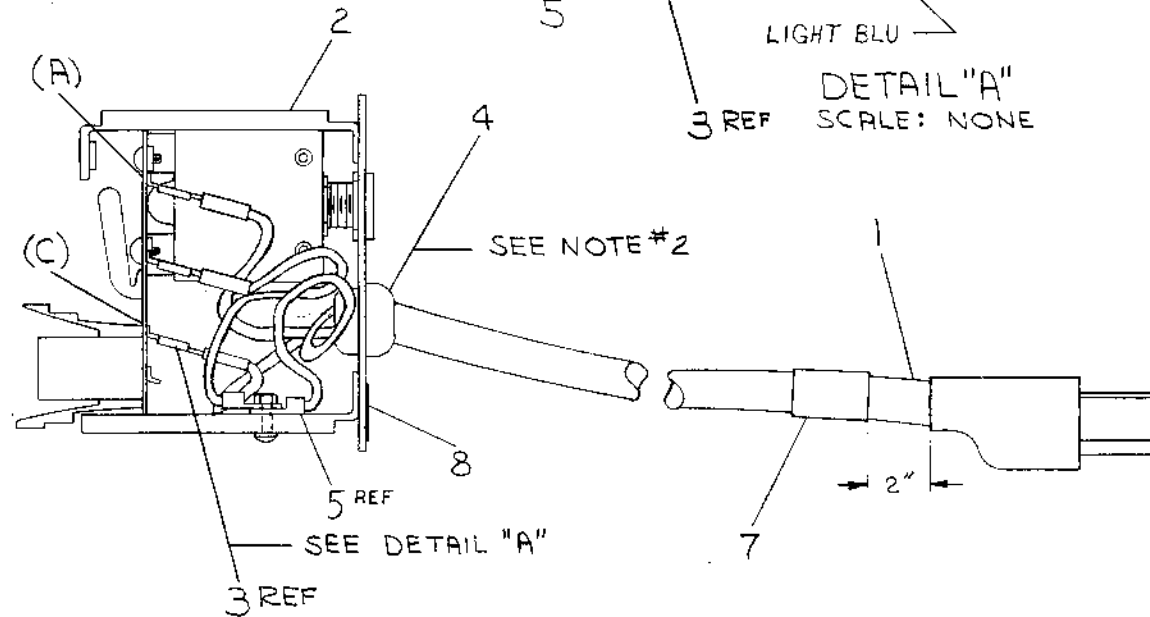
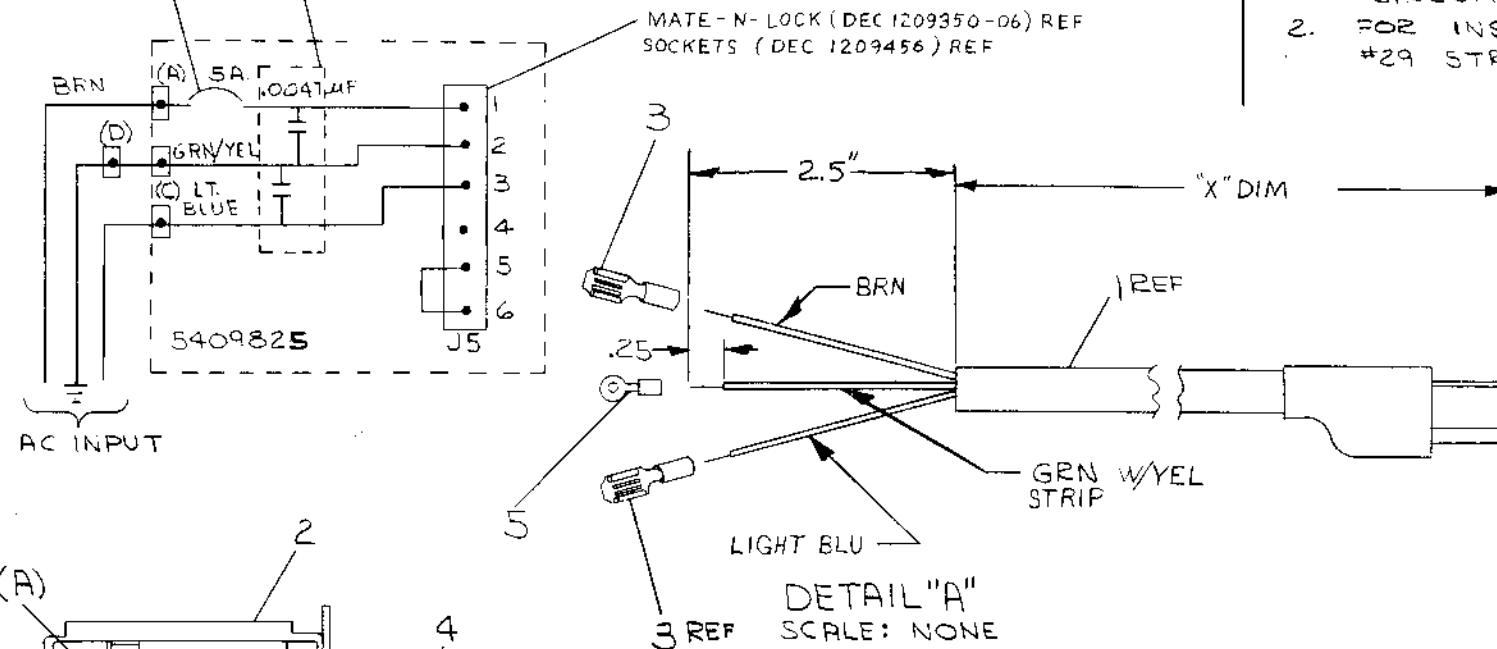
CAP (DEC 1014912) REF

LEGEND

NUMBER	DIM. "X" VARIATION
BC05U-06	6 FEET
BC05U-09	9 FEET

NOTES:

- CONNECT ITEM #1 (POWER CORD) AND ITEM #2 (AC INPUT BOX) PER CIRCUIT SCHEMATIC.
- FOR INSTALLATION USE HEYCO #29 STRAIN RELIEF PLIERS.



SHOWN WITHOUT COVER

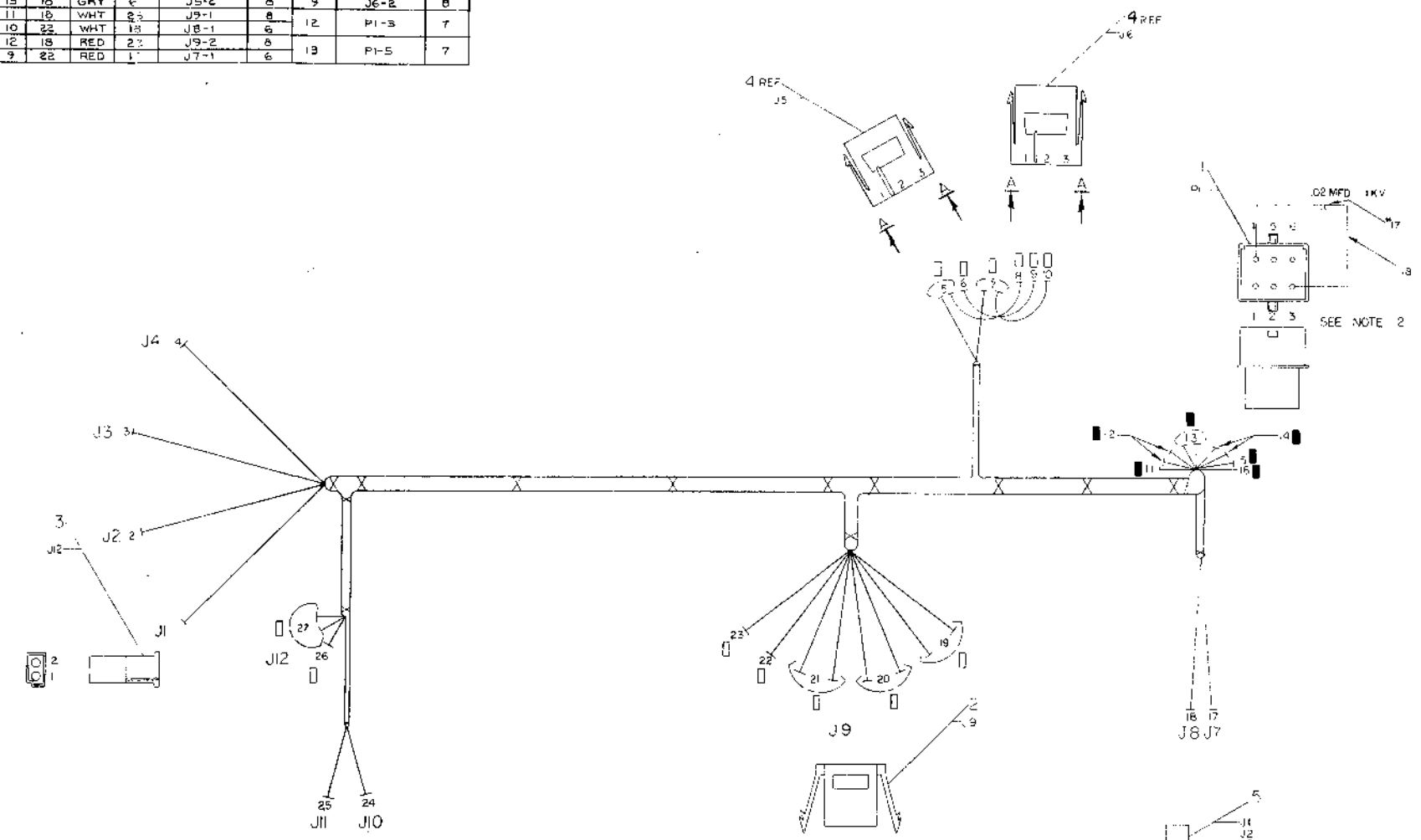
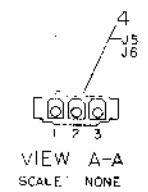
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	U DECAL	3612063	8
1	AC LINE CORD WARNING LABEL	3611448	7
1	POWER SUPPLY LABEL	9009255-01	6
1	TERMINAL, RING, RED	9007929-0	5
1	STRAIN RELIEF GN3-4	9008492-2	4
2	CONNECTOR, FASTON, RED	9007970	3
1	AC INPUT BOX H400D	H400-D	2
1	POWER CORD 240V	1700043	1

FIRST USED ON OPTION/MODEL 11/35	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN <i>K. Jones</i>	DATE 11-21-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .XXX = .005 .XX = .02 .X = .1	CHKD <i>K. Jones</i>	DATE 12-7-72	TITLE LINE SET 230V AC. 5 AMP	
ANGLES ±0° 30'	ENG <i>C. Blasi</i>	DATE 1-16-73	REV. D	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROJ ENG <i>C. Blasi</i>	DATE 1-16-73	SIZE CODE CUABC05U-0-0	
MATERIAL + - +	PROO <i>H. Jones</i>	DATE 2-21-73	NUMBER 1	
FINISH + - +	NEXT HIGHER ASSY. E-AD-BALL-D-0	DIST.		
SCALE NONE		SHEET 1 OF 1		

CHK	CHANGE NO.	REV.	DATE	BY
1	BC05U-00001	A	4-6-72	C. BLASI
2	BC05U-00002	B	6-11-72	Ernie A.
3	BC05U-00003	C	6-11-72	C. BLASI
4	BC05U-00004	D	6 JAN 78	A. BARON

WIRE TABLE									
ITEM	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
1	22	RED	24	J10-1	6	19	J9-3	8	
2	18	RED	11	P1-6	7	27	J12-2	8	
3	22	RED	25	J11-1	6	16	P1-4	7	
4	18	RED	20	J9-4	8	1	J1-1	6	
5	18	RED	26	J12-1	8	15	P1-1	7	
6	18	RED	2	J2-1	6	5	J5-1	8	
7	18	VIO	3	J3-1	6	21	J9-5	8	
8	18	VIO	8	J5-1	6	7	J5-3	8	
9	18	BLK	4	J4-1	6	9	J6-2	8	
10	18	BLK	14	P1-2	7	12	P1-3	7	
11	18	BLK	10	J5-3	8				
12	18	GRY	6	J5-2	8				
13	18	WHT	2	J5-1	8				
14	22	WHT	18	J8-1	6				
15	18	RED	23	J9-2	8				
16	22	RED	1	J7-1	6				

NOTES:
 1. USE TIE WRAPS (ITEM #16) APPROXIMATELY EVERY THREE INCHES WHEN NECESSARY AND AT EVERY BREAKOUT POINT.
 2. CAPACITOR SHOULD BE CRIMPED TOGETHER WITH PART 12 E IS. LEADS SHOULD BE INSULATED AND NOT LONGER THAN 1 INCH.



**DO NOT REDUCE DRAWING
 NOT TO BE USED FOR PRODUCTION**

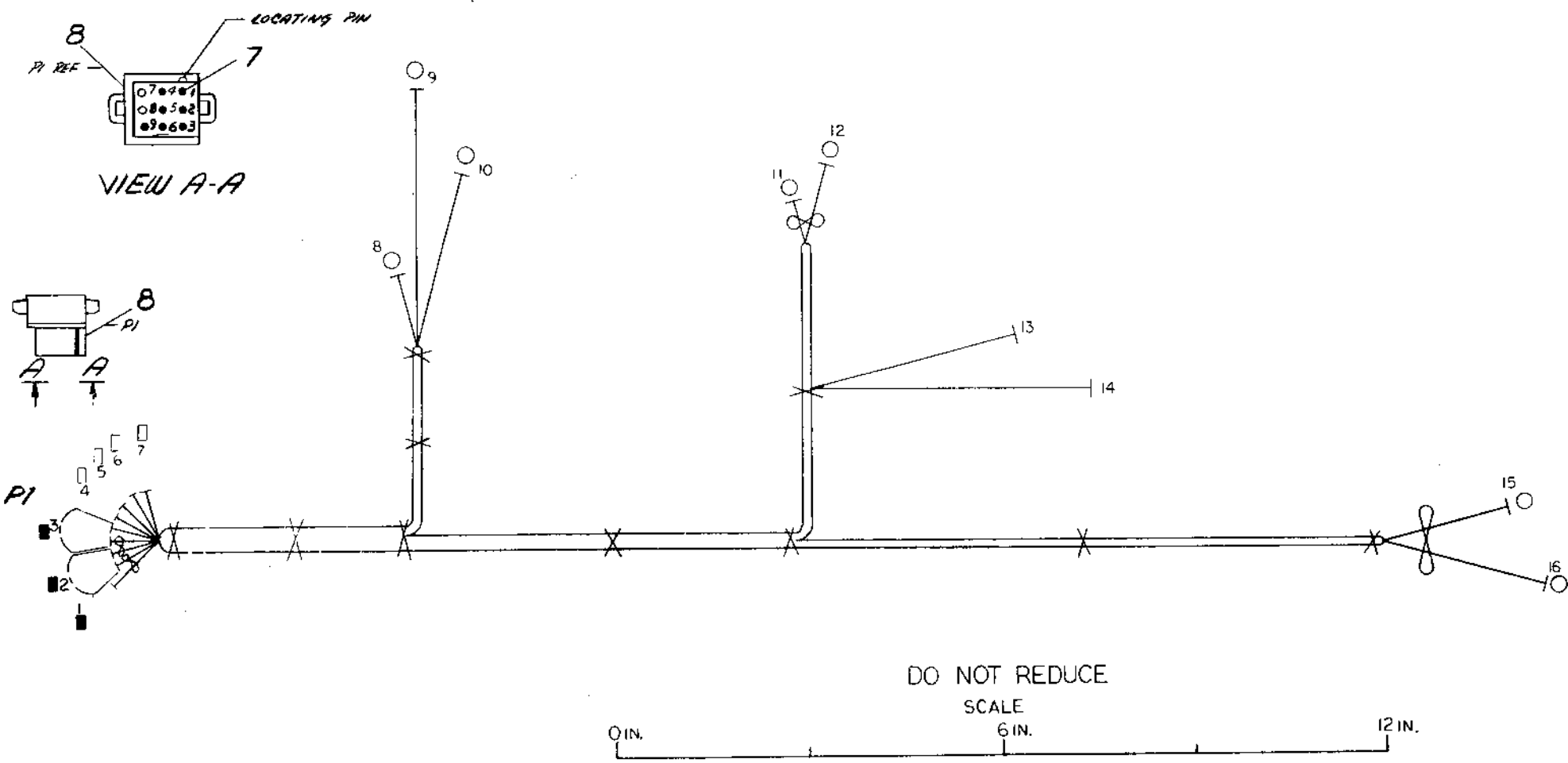
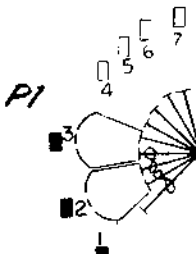
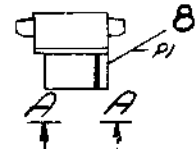
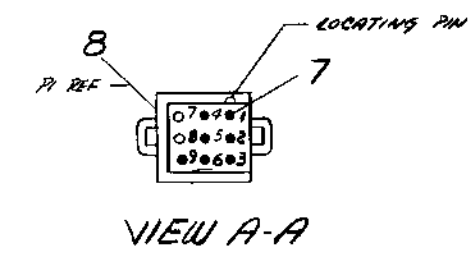
DO NOT REDUCE
 SCALE
 6 IN 12 IN

QTY	DESCRIPTION	PART NO.	REV.
18	TEFLON TUBING	9107278-01	18
1	CAP .02 uF 1000V 20%	10-10781	17
1	TIE WRAP, 55THM, PANDUIT	9007031	16
15	WIRE, #18 AWG	9107360-55	15
14	WIRE, #18 AWG	9107360-00	14
13	WIRE, #18 AWG	9107360-77	13
12	WIRE, #18 AWG	9107360-22	12
11	WIRE, #18 AWG	9107360-99	11
10	WIRE, #22 AWG	9107350-99	10
9	WIRE, #22 AWG	9107350-22	9
8	SOCKET, TERM. CONTACT	1209379-01	8
7	PIN, TERM. CONTACT	1209379-01	7
6	MINI-FASTABS #60291-1	1210820-2	6
5	HOUSING, I-480417-0	1210820-1	5
4	CONN, MATE-N-LOK, 3 PIN	1209350-03	4
3	CONN, MATE-N-LOK, 2 PIN	1210821-2	3
2	CONN, MATE-N-LOK, 6 PIN	1209350-04	2
1	CONN, MATE-N-LOK, 6 PIN	1209351-06	1

PDP-1105
 EQUIPMENT CORPORATION
 AC INPUT HARNESS (PDP1105)
 NUMBER 7008713-0-0
 SCALE 1:1
 SHEET 1 OF 1

WIRE TABLE									REMARKS
ITEM NO.	DESCRIPTION	FROM	TO						
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
5	*18	BLU	1	PI-9	7	12	---	6	
	TWP	BLK	2	PI-2	↑	11	---	↑	
4	*18	BLK	2	PI-2	↓	15	---	↓	
	TWP	RED	3	PI-3	↓	16	---	↓	
3	*18	RED	3	PI-3	7	9	---	---	
1	*22	YEL	4	PI-1	13	10	---	↓	
2	*22	VIO	5	PI-6	↑	8	---	6	
10	*22	BRN	6	PI-4	↓	14	---	12	
11	*22	GRN	7	PI-5	13	13	---	12	

NOTES:
1. USE CABLE TIES (X) ITEM #9 AS SHOWN AND AT BREAK OUT POINTS WHERE NECESSARY.



QTY.	DESCRIPTION	PART NO.	ITEM NO.	
4	PIN MATE-N-LOCK MALE	1209378-03	13	
2	TERMINAL AMP #8552-3	9007655	12	
1/R	WIRE #22 AWG STRD (GRN)	9107350-33	11	
1/R	WIRE #22 AWG STRD (BRN)	9107350-11	10	
X	A/R TIE, CABLE PANDUIT SST15M	9007880	7	
PI	1	CONN., MATE-N-LOCK 9 PIN MALE	1209351-09	8
3	PIN, MATE-N-LOCK MALE	1209378-00	7	
7	TERM., AMP TAB RED	9007917	6	
A/R	WIRE, #18 AWG STRD TWP BLK	9107430-06	5	
A/R	WIRE, #18 AWG STRD TWP RED	9107430-02	4	
A/R	WIRE, #18 AWG STRD RED	9107360-22	3	
A/R	WIRE, #22 AWG STRD VIO	9107350-77	2	
A/R	WIRE, #22 AWG STRD YEL	9107350-44	1	

REV.	CHANGE NO.	DATE
1	1	7-7-72
2	2	5-3-72
3	3	5-3-72

ARMSTRONG

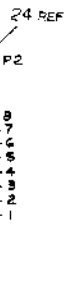
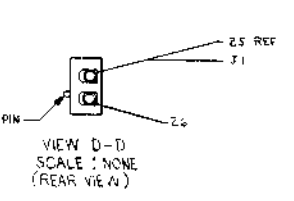
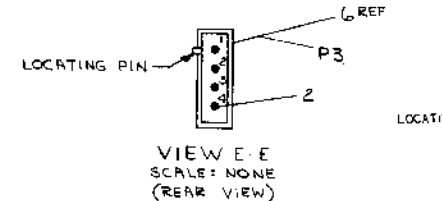
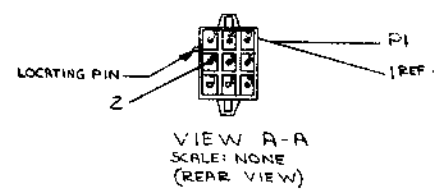
FIRST USED ON OPTION/MODEL PDP 1105		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DECIMALS .XXX ± .008 .XX ± .02 .X ± .1	ANGLES 30° 20'	DATE 2-28-72
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	MATERIAL SEE PARTS LIST	FINISH	DATE 5-3-72
TITLE HARNESS DC (PDP 1105)		SIZE CODE DUA-1105-0-0	NUMBER 7008856-0-0
CORPORATION		SCALE 1/1	REV. A
SHEET 1 OF 1		DIST.	

DRAWN BY: J. A. ...
CHECKED BY: ...
DATE: 5-3-72
DIA 7008856-0-0

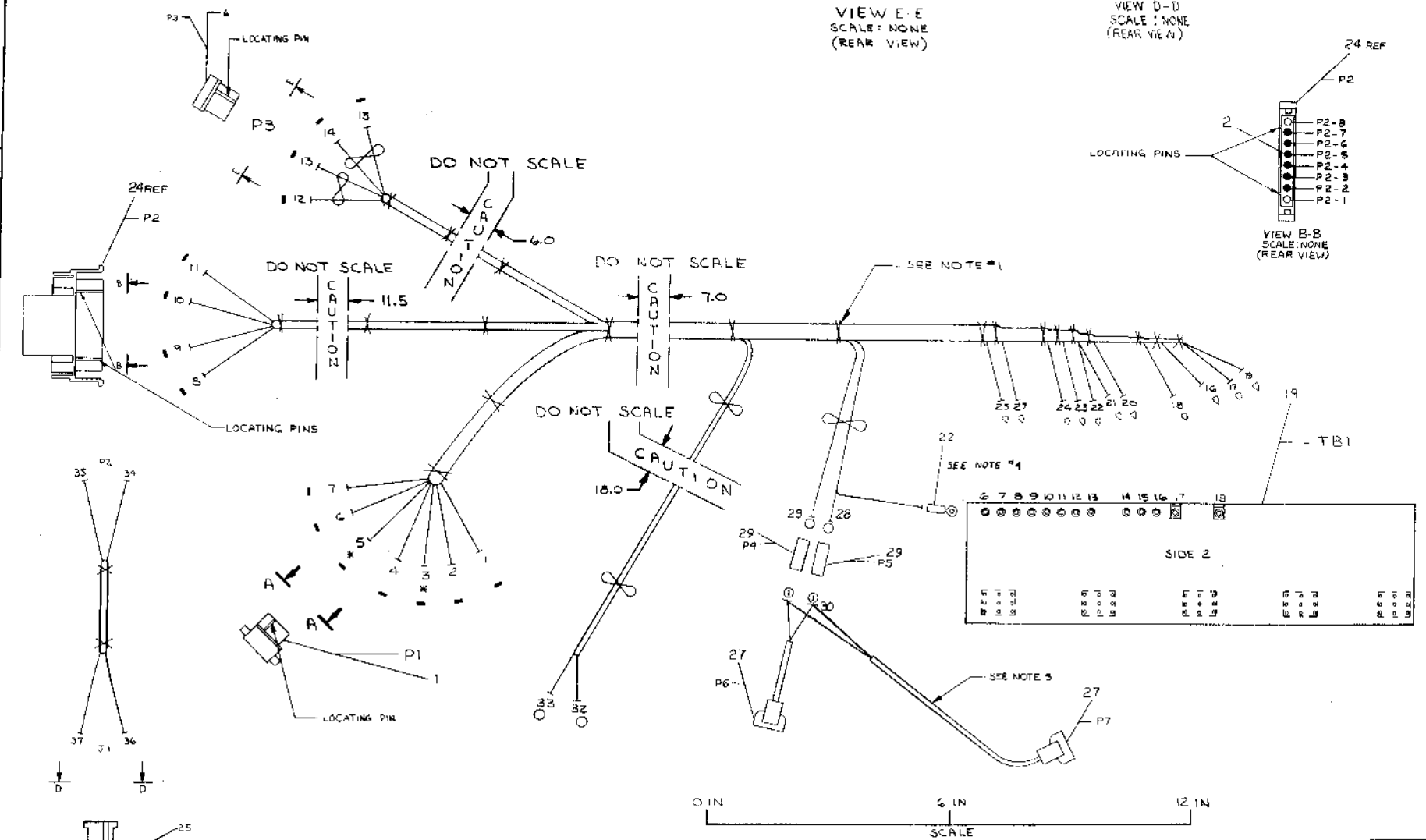
8 7 6 5 4 3 2 1

WIRE TABLE

ITEM NO	DESCRIPTION	AVG. COLOR	POINT	FROM CONN	ITEM POINT	TO CONN	ITEM LENGTH	SIGNAL NAME
11	13	BLU	1	P1-4	2	TB1-14	27.50	+15V
16	16	VIO	2	P1-6	31	TB1-8	25.00	DCLO
21	12	BLK	2	P1-2	28	TB1-7	25.50	GND(1)
18	18							
13	12	RED	3	P1-3	31	TB1-13	26.25	ACLO
20	14	GRY	4	P1-5	28	TB1-12	27.25	+5V(1)
15	14	GRN	6	P1-2	2	TB1-11	27.00	+15V
30	14	RED	8	P2-2	2	TB1-10	26.75	LTC
19	14	RED	11	P2-3	2	TB1-17	42.37	+5V
14	14	BLK	9	P2-3	2	TB1-16	42.59	
14	19	BLK	10	P2-4	2	TB1-18	43.25	GND2
23	20	BLK	28	P3-2	28	P3-4	2	BLD
23	20	WHT	29	P3-3	29	P3-3	2	BLD
9	18	RED	31	P3-1	31	P3-1	2	BLD
10	18	BLK	32	P3-2	32	P3-2	2	BLD
10	18	BLK	33	P3-3	33	P3-3	2	BLD
17	14	BLU	34	P2-1	31	P3-1	3	50.25
17	14	BLU	35	P2-2	32	P3-2	3	50.25
27	18	BLK	30	P4	28	P1-2	26	6.29
27	18	BLK	37	P4	29	P1-2	26	6.29
27	18	BLK	37	P4	29	P7	9.00	



- NOTES:
1. USE TIE WRAPS (X) (ITEM #10) APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.
 2. ITEM #21 (2GN BLK) AND ITEM #16 (10GN VIO) ARE SEPARATE WIRES BUT A TWISTED PAIR SHALL BE MADE OF THEM BEFORE PLACING THEM IN THE HARNESS.
 3. SHIELDED GND FOR WIRE TO PINS TO BE CONNECTED ON P4, P5 END ONLY.
 4. OLDER ITEM 22 TO SHIELD WIRE. MAKE SHIELD WIRE AT LEAST 2" LONG.
 5. ITEMS 3, 27, 28 AND 29 CAN BE ORDERED AS A SEPARATE SUB-ASSEMBLY ITEM. DRAWING AND PART NUMBER C-1A-TOK0496-0-0.
 6. SOLDER AFTER TERMINATE.



QTY	DESCRIPTION	PART NO	REF
4	MATE N-LOCK PIN	1209378-08	31
1	WIRE #14 STD, RED	9107370-22	20
2	TERMINAL, SHARPPROOF	9003110	22
2	CONN, SOLDERLESS #3090	9007963	28
2	FLUG-LOAD ASSEMBLY	1210283	27
2	BEST TERMINAL CONTACT TERMINAL	1203719-12	23
1	CONN, MATE-N-LOCK 4 PIN	1209381-01	25
1	CONN, MATE-N-LOCK 4 PIN	1209381-01	24
1/2	WIRE #20 SHIELDED TWP BLK/WHT	9107701	23
1	TERMINAL, SHARPPROOF	9003110	22
1/2	WIRE #12 STD, BLK	9107380-00	21
1/2	WIRE #14 STD, GRN	9107370-80	20
1	POWER DIST. BOARD	0609001-0-0	19
1/2	WIRE #18 STD, YEL	9107360-44	18
1/2	WIRE #14 STD, BLU	9107370-66	17
1/2	WIRE #16 STD, VIO	9107360-77	16
1/2	WIRE #18 STD, GRN	9107370-33	15
1/2	WIRE #14 STD, BLK	9107370-00	14
1/2	WIRE #12 STD, RED	9107380-22	13
1/2	WIRE #16 STD, YEL	9107360-44	12
1/2	WIRE #18 STD, GRN	9107370-33	11
1/2	WIRE #14 STD, BLK	9107370-00	10
1/2	WIRE #12 STD, RED	9107380-22	9
1/2	WIRE #16 STD, YEL	9107360-44	8
1/2	WIRE #18 STD, GRN	9107370-33	7
1/2	WIRE #14 STD, BLK	9107370-00	6
1/2	WIRE #12 STD, RED	9107380-22	5
1/2	WIRE #16 STD, YEL	9107360-44	4
1/2	WIRE #18 STD, GRN	9107370-33	3
1/2	WIRE #14 STD, BLK	9107370-00	2
1/2	WIRE #12 STD, RED	9107380-22	1

DO NOT REDUCE (FOR MFG PURPOSES ONLY)

11/35

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.

DATE: 11/35

REV: 1

DESCRIPTION: THE POP11/35 POWER TO DISTRIBUTION BOARD HARNESS

PART NO: 1A7009208-0-0

REV: 1

DATE: 11/35

BY: [Signature]

CHKD: [Signature]

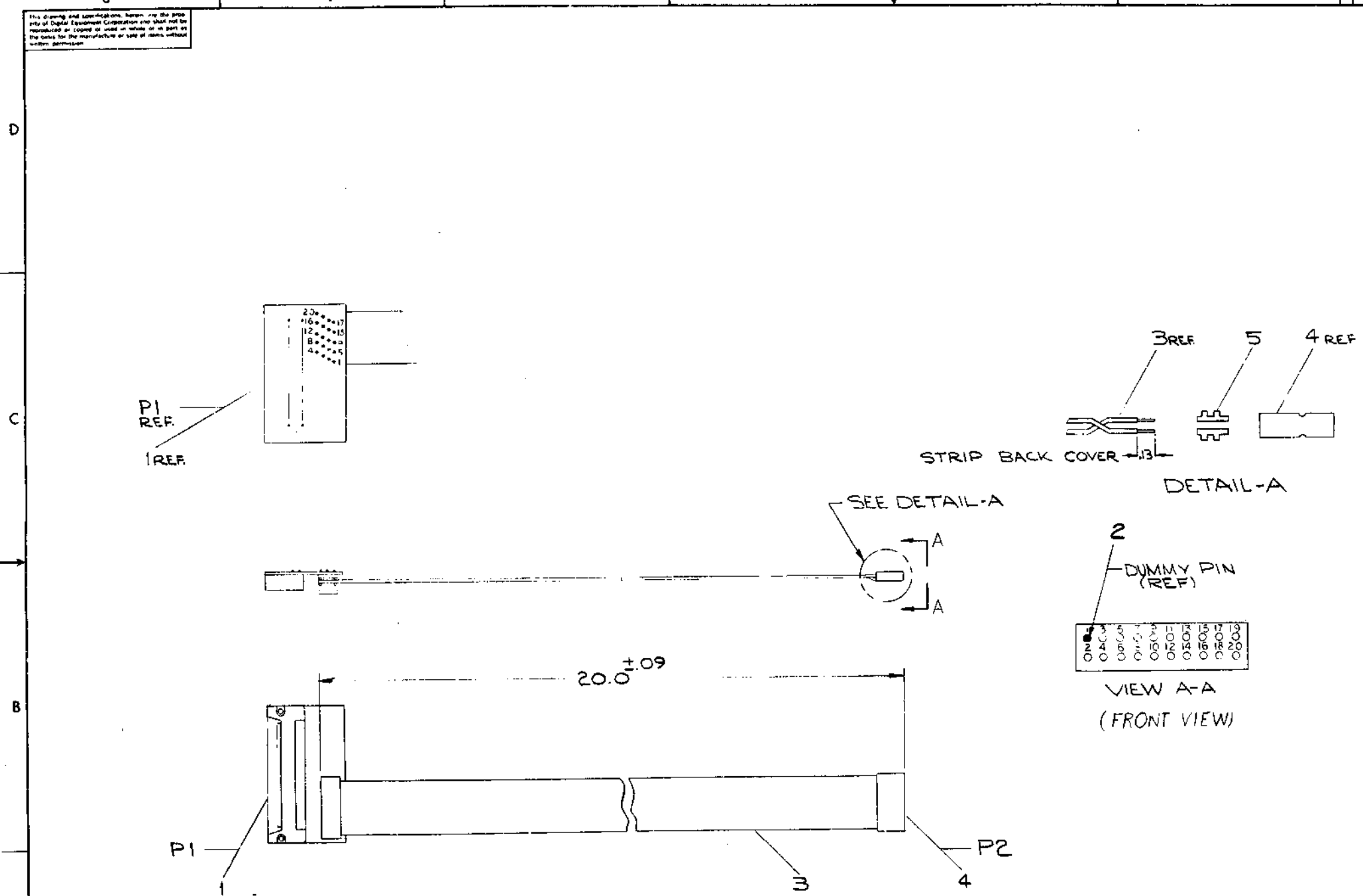
APP: [Signature]

11/35

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0-0-078800Z

NOTES:
 1. CONNECTORS P1 AND P2 ARE TO BE WIRED POINT TO POINT (P1-1 TO P2-1 P1-2 TO P2-2 ETC.)



VIEW A-A
(FRONT VIEW)

19	0.000
18	0.000
17	0.000
16	0.000
15	0.000
14	0.000
13	0.000
12	0.000
11	0.000
10	0.000
9	0.000
8	0.000
7	0.000
6	0.000
5	0.000
4	0.000
3	0.000
2	0.000
1	0.000

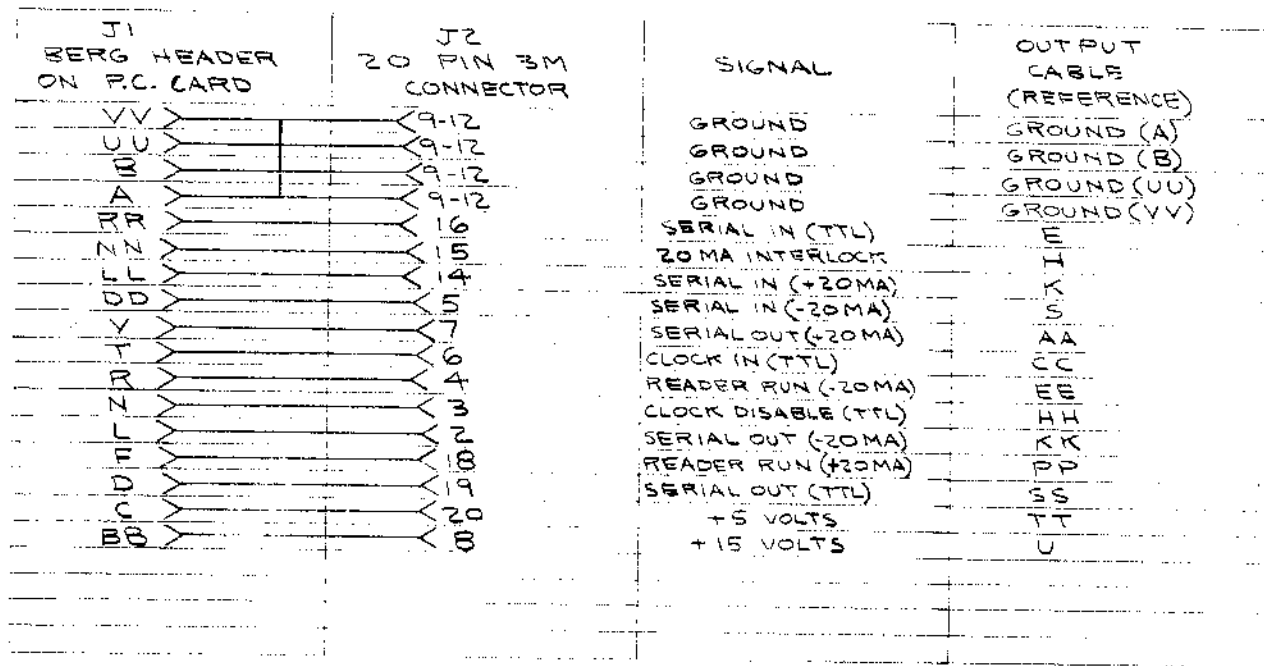
QTY.	DESCRIPTION	PART NO.	ITEM NO.
19	MINI-TERMINAL #3783 BERG	1210089-0	5
1	RECEPTACLE 20 PIN #3783-02 BERG	1210918-027	4
A/R	CABLE SCOTCHFLEX #3350 3M	9107747	3
1	DUMMY PIN #2000 BERG	9009140	2
1	DC DISTRIBUTION MODULE	5409949-00	1

FIRST USED ON OPTION/MODEL PDP1105		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DATE 2-22-72	digital EQUIPMENT CORPORATION	
DECIMALS ANGLES	DATE 3-17-72	TITLE	
XX - .005 10' 30"	DATE 5-24-72	HEADER CABLE ASSY	
XX - .02	DATE 5-24-72	SIZE CODE NUMBER REV	
X - .1	DATE 1-27-72	DIA 7008820-0-0 A	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 1-27-72	SCALE NONE	
MATERIAL	NEXT HIGHER ASSY	SHEET OF	
SEE PARTS LIST	DUR-1105-0-0	DIST	
FINISH			

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

DEC FORM NO. 100-A

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D
C
B
A

D
C
B
A

REV.	
CHANGE NO.	
CHK.	

FIRST USED ON OPTION/MODEL PDP-1105	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. DATE 4-6-72	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>		
DECIMALS	CHK'D. DATE 4-6-72			
ANGLES	ENG. DATE 4-6-72			
XXX = .005 XX = .02 X = .1	PROJ. ENG. DATE 4-13-72			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROD. DATE 4-13-72	TITLE CIRCUIT SCHEMATIC		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	SCALE	C CS	5409949-0-1	A
	SHEET 1 OF 1	DIST.		

BRUNING 40-107 15968

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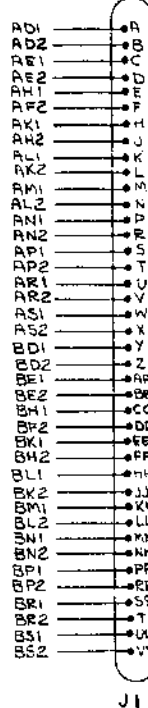
NOTES:

6 REF

4 REF

7 REF

8.44 F.B.S.



REF	DESCRIPTION	PART NO.	ITEM NO.
REF	X-Y CO-ORDINATE HOLE LOCATION	K-CO-M9970-0-4	1
REF	ASSY/DRILLING HOLE LAYOUT	D-AM-M9970-0-5	2
REF	MODULE ECO HISTORY	B-M-M9970-0-6	3
1	ETCHED CIRCUIT BOARD	3010347	4
1	BERG CONN, 40 PIN	1209941	5
2	HANDLE, FLIP-CHIP-MAGNETA	9008337-6	6
4	EYELET, HANDLE	9006192	7

IC TYPE	GND	+5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

IC PIN LOCATIONS

FIRST USED ON OPTION MODEL		PARTS LIST	
ETCH BOARD REV	A	DATE	11-30-72
		DATE	12-1-72
		DATE	5-19-73
		DATE	6-17-73
		DATE	8-17-73

DEC NO.	EIA NO.	DEC NO.	EIA NO.	SCALE	NONE	SIZE CODE	NUMBER	REV.
						DCS	M9970-0-1	*

DRILLING 40-52 16688

DEC 70 - J NO. DRG 1354

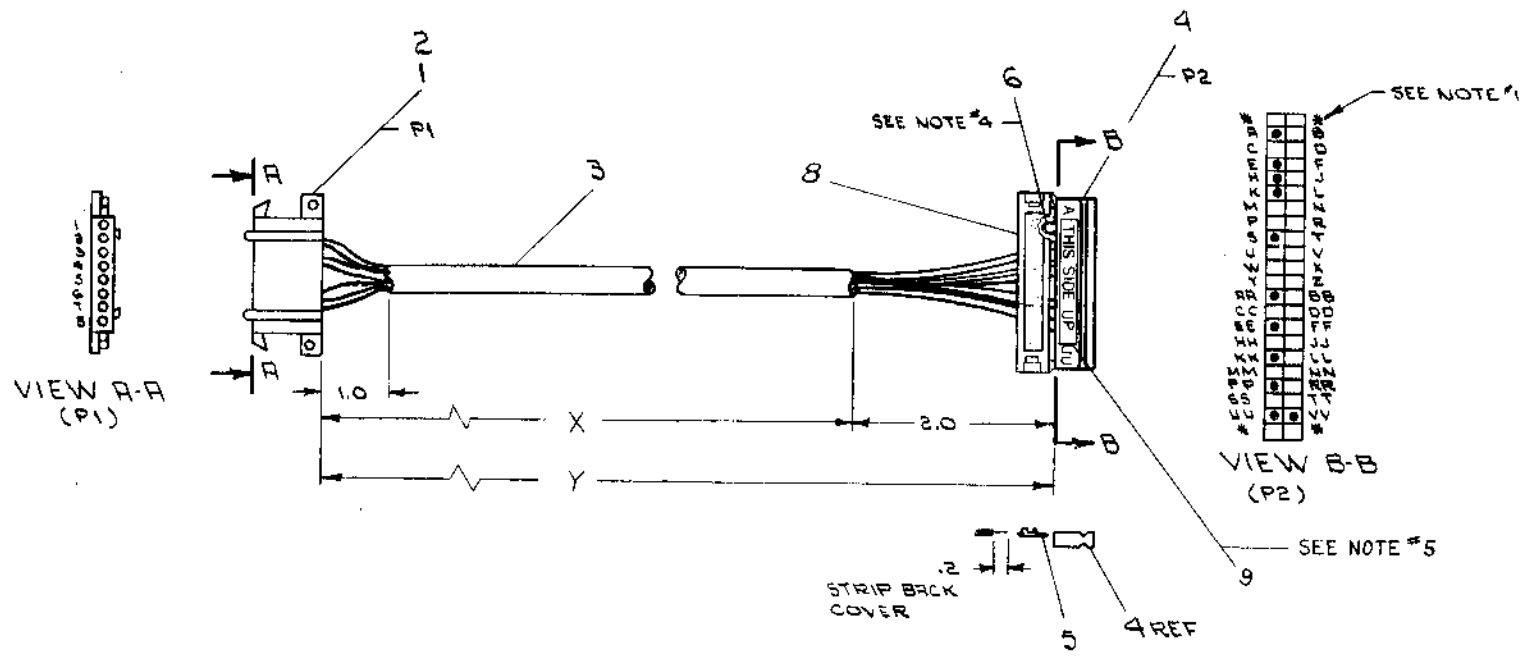
DEC 70 - J NO. DRG 1354

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WIRE TABLE							
ITEM NO.	AWG	COLOR	PAIR NO.	FROM		TO	
				CONNECTION WITH	CONNECTION WITH	CONNECTION WITH	CONNECTION WITH
3	22	BLK	1	P1-2	2	P2-KK	5
3		RED	1	P1-5	2	P2-5	
3.7		SHIELD	1	SEE NOTE #2	-	P2-A(NOTE#3)	
3		BLK	2	P1-4	2	P2-EE	
3		WHT	2	P1-5	2	P2-RR	
3.7		SHIELD	2	SEE NOTE #2	-	P2-UU(NOTE#3)	
3		BLK	3	P1-6	2	P2-PP	
3		GRN	3	P1-7	2	P2-K	
3.7		SHIELD	3	SEE NOTE #2	-	P2-VV(NOTE#3)	
6	22	BLK	-	P2-E	5	P2-H	5

LEGEND			
VARIATION	LENGTH		
	X	Y	
7008360-0	25IN±1.0	27IN±1.0	
7008360-1	46IN±1.0	48IN±1.0	
7008360-9	9FT ± 2IN	9FT 2IN ± 2IN	

- NOTES:**
- * ASTERISKS INDICATE CAVITIES NOT USED OR DESIGNATED BY LETTERS.
 - DRAIN WIRES TO BE CUT BACK TO OUTER INSULATION ON P1 END OF CABLE ONLY. SHIELDS TO BE CUT BACK TO OUTER INSULATION ON BOTH ENDS OF CABLES.
 - DRAIN WIRES ON P2 END OF CABLE TO BE EACH ENCLOSED WITH ITEM #7 (TUBING) FROM END OF CABLE JACKET TO POINT WHERE THEY ENTER P2 CONNECTOR.
 - ITEM #6 (WIRE) TO BE APPROXIMATELY ONE (1) INCH LONG.
 - PLACE ITEM #9 ("THIS SIDE UP" STICKER) ON LETTERED SIDE OF ITEM #4 (BERG HOUSING) AS SHOWN.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, THIS SIDE UP	3611567	9
1	STRAIN RELIEF	1211166	8
R/R	TUB. #18 TEF. THINWALL NAT	910278-11	7
R/R	WIRE #22 AWG STRD TEF BLK	9107350-00	6
11	SOCKET, CRIMP #47216	1210089-07	5
1	HOUSING, BERG #15043-015	1210918-15	4
R/R	CABLE, BELDEN #117-3PR SHLD	9107725-0	3
6	CONTACT, MATE-N-LOCK (FEMALE)	1209379-03	2
1	CONN. MATE-N-LOCK (FEMALE)	1209340-00	1

REV	CHG	NO	DATE	BY	APP
A	OK	1	10-28-72	E. ALLERTON	
B	OK	2	10-28-72	B. REGAN	
C	OK	3	10-28-72	E. ALLERTON	
D	OK	4	10-28-72	B. REGAN	
E	OK	5	10-28-72	E. ALLERTON	
F	OK	6	10-28-72	B. REGAN	
G	OK	7	10-28-72	E. ALLERTON	
H	OK	8	10-28-72	B. REGAN	

FIRST USED ON OPTION / MODEL: PDP-8E

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES

TOLERANCES: ANGLES = 90°

FINISH: REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: SEE PARTS LIST

DATE: 10-28-72

BY: E. ALLERTON

APP: B. REGAN

TITLE: CABLE ASSEMBLY (KL8E)

SIZE CODE: A ML-KLB-E-0

SCALE: NONE

SHEET: 1 OF 1

DATE: 10-28-72

BY: E. ALLERTON

APP: B. REGAN

SIZE CODE: A ML-KLB-E-0

SCALE: NONE

SHEET: 1 OF 1

DIA 7008360-0-0

8

7

6

5

4

3

AW-Ø-11WK1S1a 2

1

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W130 PARTS REFERENCE

ITEM NO	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	R1, R3, R5, R7, R9, R11, R13, R15, R17, R19, R21, R23, R25, R27, R29, R31, R33, R35, R37, R39, R41, R43, R45, R47, R49, R51, R53, R55	15K 1/4W 5%	RES. 1300436	28
2	R24, R46, R48, R50, R52, R54, R56, R58, R60, R62, R64, R66, R68, R70, R72, R74, R76, R78, R80, R82, R84, R86, R88, R90, R92, R94, R96, R98, R100, R102, R104, R106, R108, R110, R112, R114, R116, R118, R120, R122, R124, R126, R128, R130, R132, R134, R136, R138, R140	470 1/4W 5%	RES. 1300316	28
3	Q1-Q56	DEC 3009B TRANSISTOR	1503100	56
4	P1	HE07 BLOCK CONNECTOR	1209123	1

W131 PARTS REFERENCE

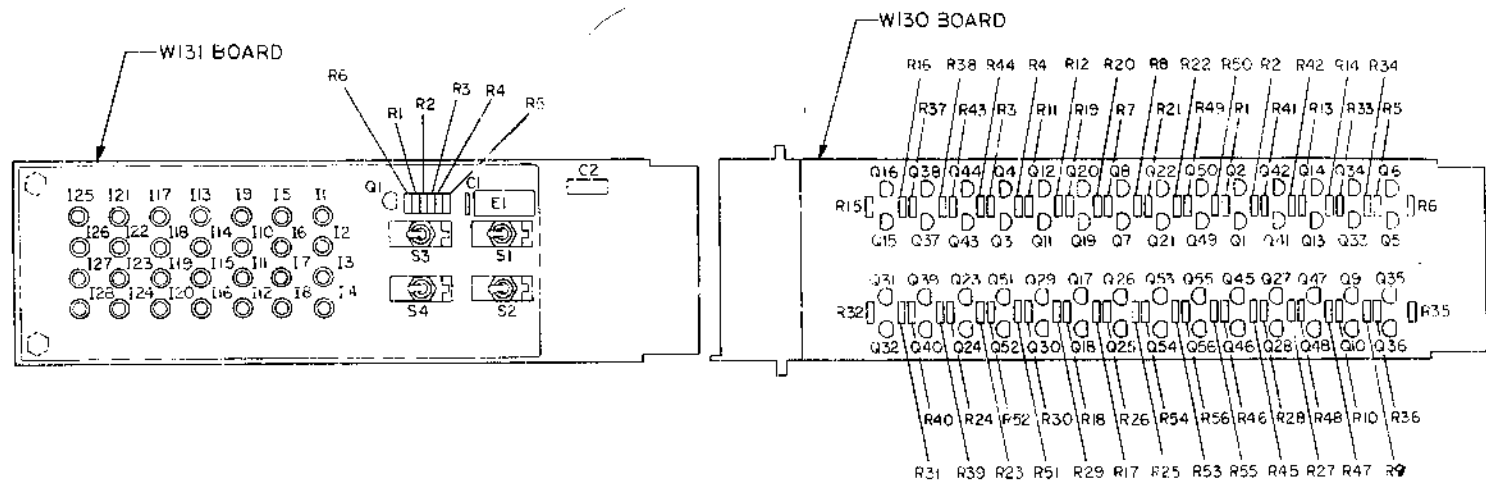
ITEM NO	DRAWING REFERENCE	DESCRIPTION	PART NUMBER	QUANTITY
1	E1	DEC 7400N IC	1505575	1
2	C1	.01 MFD 10CV 20% DC CAP	1001610	1
3	C2	5.6 MFD 35V 20% ST CAP	1002057	1
4	R1, R2, R3, R4, R5	3K 1/4W 5%	RES. 1300432	5
5	R6	330 1/4W 5%	RES. 1300295	1
6	Q1	DEC 3009B TRANSISTOR	1503100	1
7	I1-I28	LAMP HUDSON BLUE 2309G	1209219	28
8	S1-S4	SWITCH TOGGLE SPST 6ATT-12	1201168	4

NOTES:

- THE KMI1 IS A TWO MODULE (W130, W131) OPTION TO THE KMI1 TO AID MAINTENANCE. THIS PREWIRED OPTION IS INSTALLED BY INSERTING THE W130 MODULE INTO LOCATION D02 AND INSERTING THE W131 MODULE INTO THE W130. NOTE THAT THE SWITCHES AND LIGHTS FACE TOWARD AND EXTEND BELOW THE CONSOLE. THE BOTTOM COVER MUST BE REMOVED WITH THE CHASSIS EXTERNAL TO THE CABINET.
- LABELS FOR THE INTERNAL MACHINE STATES LAMPS ARE NOTED ON THE W131 ETCH BOARD. SWITCHES PROVIDE A MANUAL CLOCK AND BUS RESPONSE AND ARE ACTIVE WHEN THE TOGGLE IS TOWARD THE NAME. NORMAL MACHINE OPERATION REQUIRES THAT ALL SWITCHES BE IN THE OFF POSITION.
- "M CLK ENABLE" AND "M CLK" PROVIDE A MANUAL CLOCK FOR THE KMI1. "M CLK ENABLE" IS ACTIVATED WHILE THE PROCESSOR IS HALTED. EACH TOGGLE OF "M CLK" THEN STEPS THE PROCESSOR THROUGH THE SMALLEST PROCESSOR CLOCK INTERVALS. THE P/W STATES, THE NEXT HIGHEST CLOCK INTERVAL (S CLK) IS PROVIDED BY FOUR TOGGLES (2 COMPLETE SWITCH CYCLES) AND INDICATED BY THE P/W LAMP. P/W2 IS THE LAST (OR REST) P/W STATE IN A "S CLK" INTERVAL. NORMAL OPERATION IS RESUMED WHEN "M CLK" AND THEN "M CLK ENABLE" ARE RETURNED TO OFF.
- "NO TIME OUT" AND "SSYN" PROVIDE A MANUAL BUS RESPONSE TO THE PROCESSOR. IT IS USED WHEN OTHER DEVICES ARE NOT AVAILABLE. "NO TIME OUT" IS ACTIVATED, WHILE THE PROCESSOR IS HALTED, TO ELIMINATE AN ERROR TRAP ON MANUAL "SSYN". AT THE APPROPRIATE TIMES IN A BUS TRANSFER "SSYN" IS ACTIVATED AND DEACTIVATED.

COMPONENT PLACEMENT

PN NOMENCLATURE



MODULE	PROCESSOR
A	B

REV	CHANGE NO.

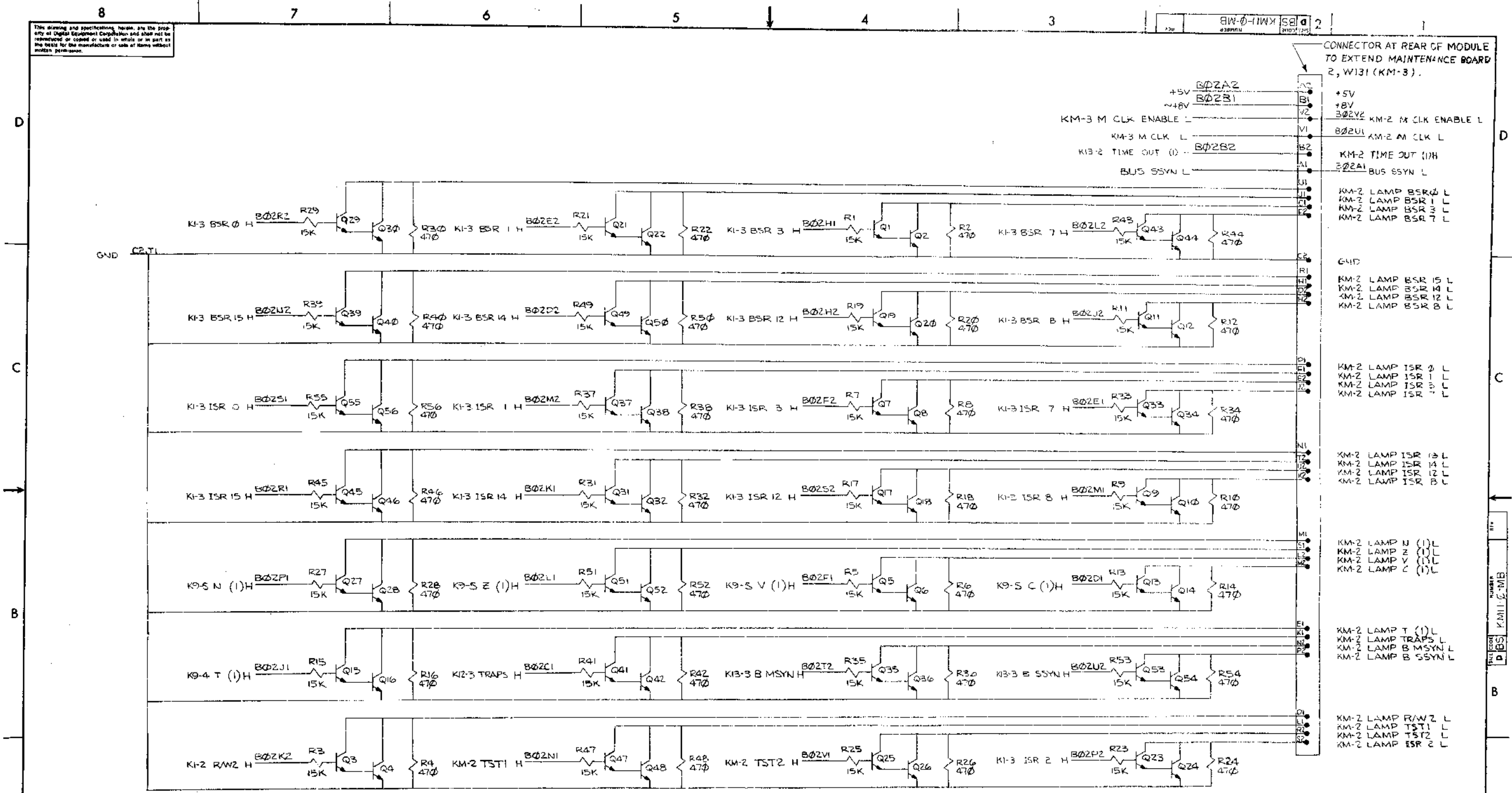
FIRST USED ON OPTION/MODEL PDP11	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ±.005 ±.1/64 ±.030 FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70	DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70	DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70	DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70 DATE 3/1/70
PARTS LIST		digital EQUIPMENT CORPORATION			
TITLE MAINTENANCE BOARD (1&2)		KMI-1			
MATERIAL A-ML-KMI1-Ø		NUMBER D1S1KMI1-Ø-MB			
FINISH 		SCALE 1/1			
SHEET 1 OF 3		DIST.			

REV. NUMBER
D1S1KMI1-Ø-MB

B

A

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CONNECTOR AT REAR OF MODULE TO EXTEND MAINTENANCE BOARD 2, W131 (KM-8).

+5V B02A2
 +8V B02B1
 ~48V B02B2
 KM-3 M CLK ENABLE L B02E2
 KM-3 M CLK L B02E1
 KM-2 TIME OUT (IH) B02A1
 BUS SSYN L B02E2

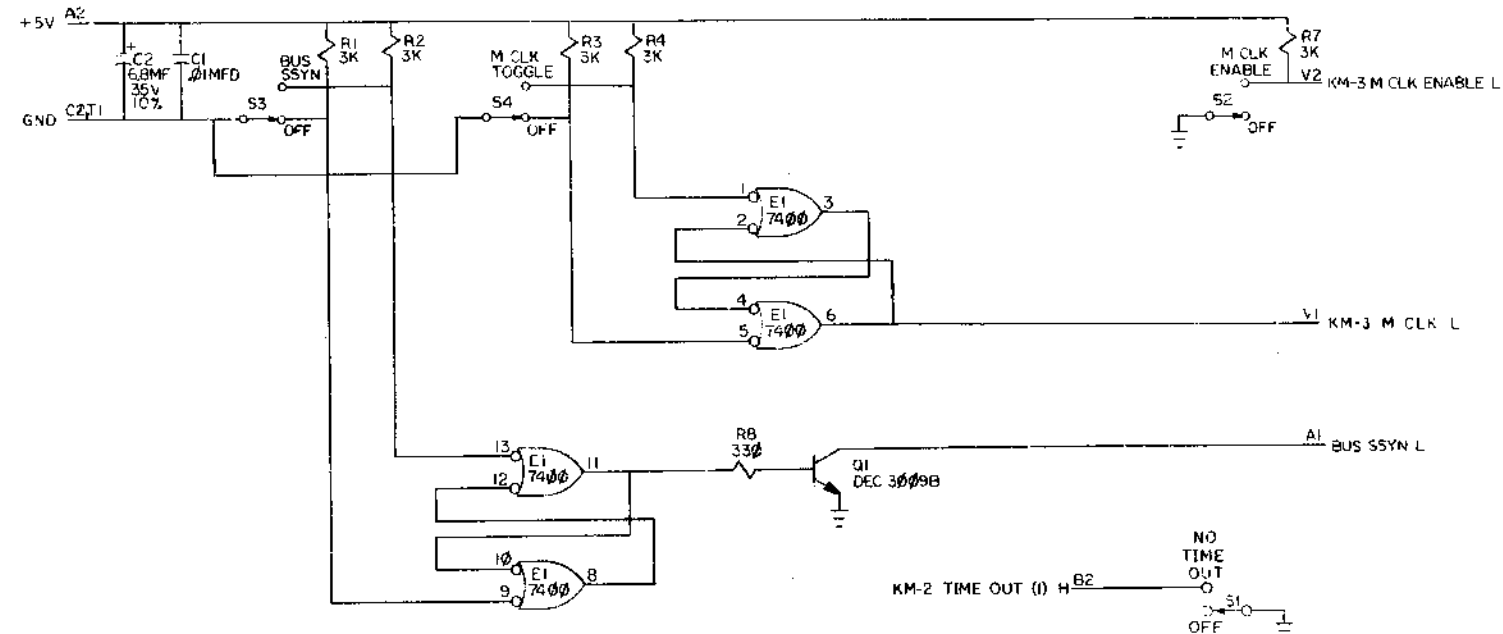
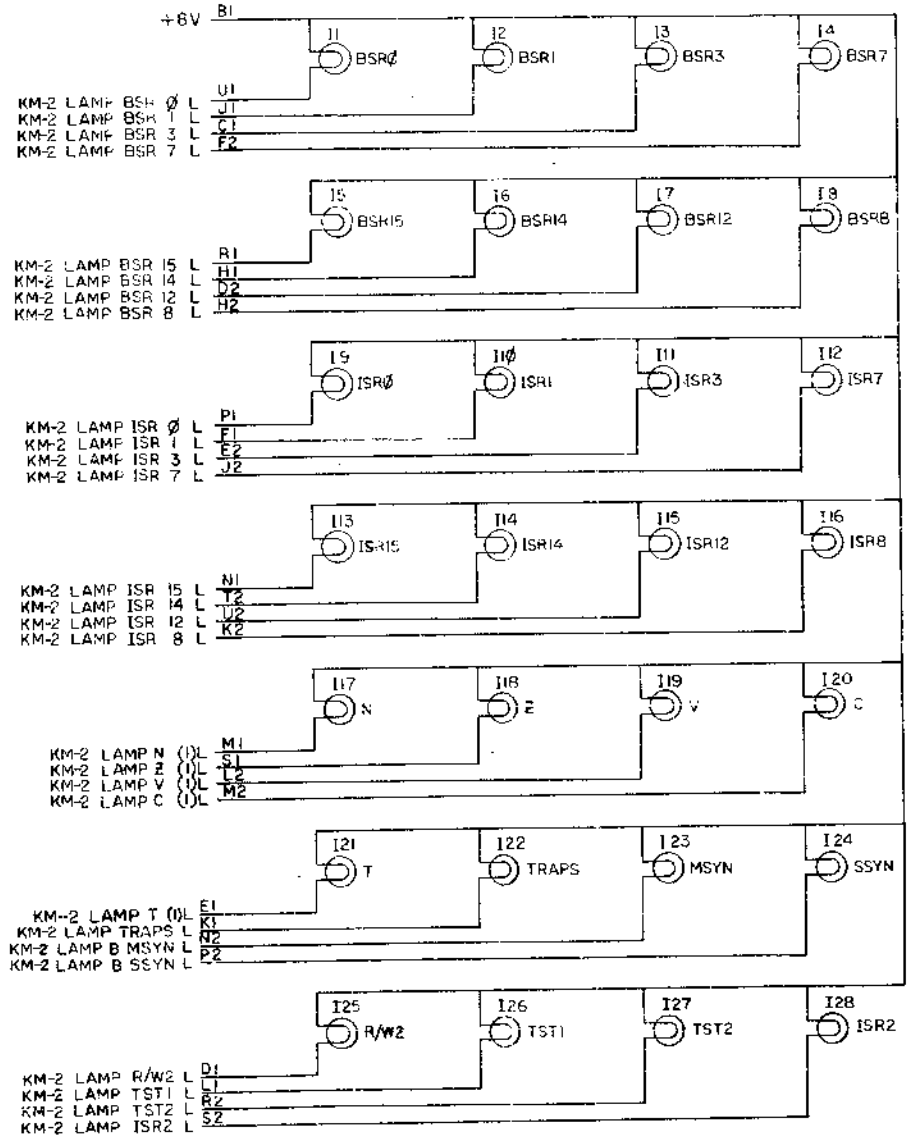
KM-2 LAMP BSR 0 L
 KM-2 LAMP BSR 1 L
 KM-2 LAMP BSR 3 L
 KM-2 LAMP BSR 7 L
 GND
 KM-2 LAMP BSR 15 L
 KM-2 LAMP BSR 14 L
 KM-2 LAMP BSR 12 L
 KM-2 LAMP BSR 8 L
 KM-2 LAMP ISR 0 L
 KM-2 LAMP ISR 1 L
 KM-2 LAMP ISR 3 L
 KM-2 LAMP ISR 7 L
 KM-2 LAMP ISR 13 L
 KM-2 LAMP ISR 14 L
 KM-2 LAMP ISR 12 L
 KM-2 LAMP ISR 8 L
 KM-2 LAMP N (1) L
 KM-2 LAMP Z (1) L
 KM-2 LAMP Y (1) L
 KM-2 LAMP C (1) L
 KM-2 LAMP T (1) L
 KM-2 LAMP TRAPS L
 KM-2 LAMP B MSYN L
 KM-2 LAMP B SSYN L
 KM-2 LAMP R/W 2 L
 KM-2 LAMP TST 1 L
 KM-2 LAMP TST 2 L
 KM-2 LAMP ESR 2 L

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11					
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		DATE	12-18-69	digital EQUIPMENT CORPORATION	
DIMENSION IN INCHES		DATE	3-2-70	TITLE	
TOLERANCES		DATE	3-2-70	MAINTENANCE BOARD (I)	
DECIMALS FRACTIONS ANGLES		DATE	3-2-70	W130 KM-2	
FINAL SURFACE QUALITY		DATE	3-2-70	SIZE CODE NUMBER	
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	3-2-70	DBS KM11-0-MB	
MATERIAL		DATE	3-2-70	SCALE NONE	
NEXT HIGHER ASSY		DATE	3-2-70	SHEET 2 OF 3	
FINISH		DATE	3-2-70	DIST. 1	

REV.	CHANGE NO.	REVISIONS

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DBS KM11-0-MB 2

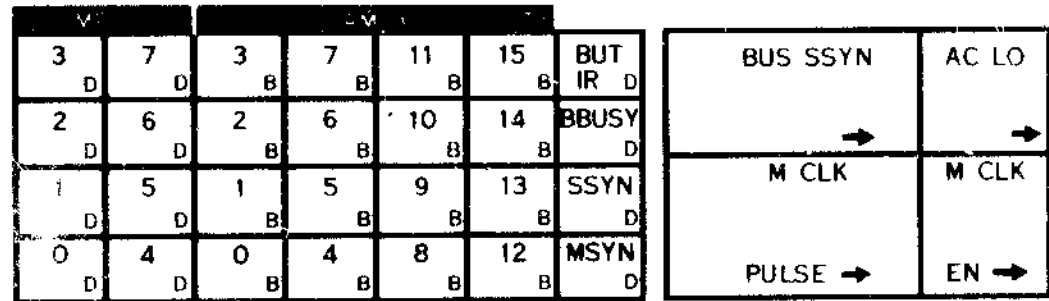


REV	CHANGE NO	REVISIONS

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO.	ITEM NO.
PDP 11				
UNLESS OTHERWISE SPECIFIED				
ORH		DATE		
CHKD		DATE		
ENTD		DATE		
PROJ ENGR		DATE		
PROJ MGR		DATE		
MATERIAL				
NEXT HIGHER ASSEMBLY				
FINISH				
SCALE NONE				
SHEET 3 OF 3				

PARTS LIST		TITLE	
UNLESS OTHERWISE SPECIFIED		MAINTENANCE BOARD(2)	

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D-DIM WHEN ASSERTED
B-BRIGHT WHEN ASSERTED

5509081-0-9

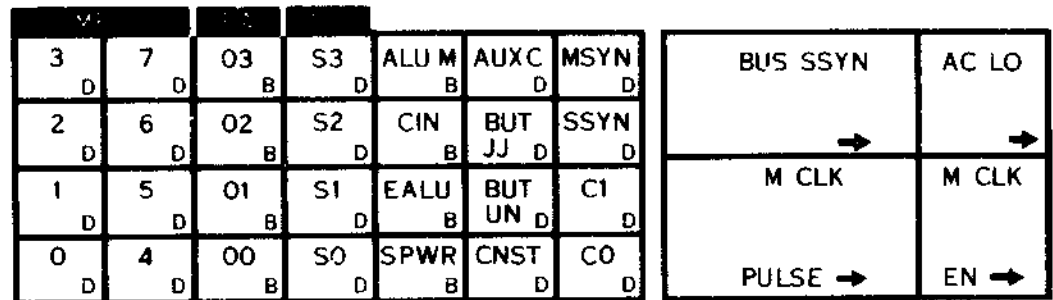
FIRST USED ON OPT 11109
11/05

REVISIONS	REV.	
	CHANGE NO.	
CHK		

SPEC* 9200100-94 (BLKIC)

DRN. <i>de Mattam</i>	DATE 5-11-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. <i>bu</i>	DATE	
ENG.	DATE	TITLE
PROJ. ENG. <i>Peter</i>	DATE 5-22-72	MAINT MODULE OVERLAY (11/05 - KMI)
PROD. <i>RK Peterson</i>	DATE 5/24/72	
NEXT HIGHER ASSY C-IA-5509081-0-0		SIZE CODE A 55
SCALE		NUMBER 5509081-0-9
SHEET	OF	DIST. 6

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D-DIM WHEN ASSERTED
B-BRIGHT WHEN ASSERTED

5509081-0-10

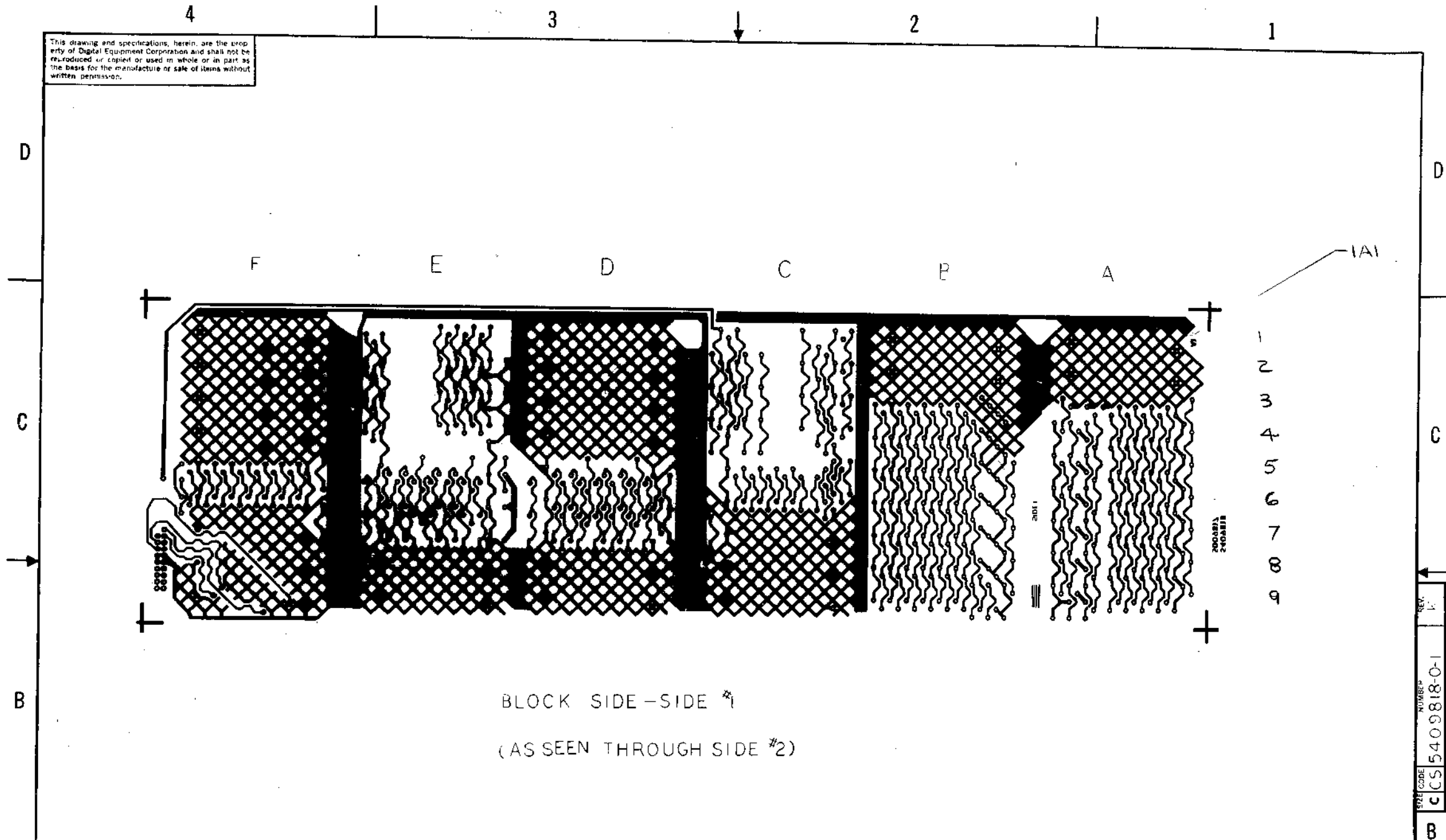
FIRST USED ON OPT. MOD
11/05

REVISIONS	REV.	
	CHANGE NO.	
CHK		

SPEC # 9200150-94 (BLACK)

DRN. <i>D. Mattson</i>	DATE <i>5-23-72</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. <i>W. Peterson</i>	DATE	
ENG.	DATE	
PROJ. ENG. <i>A. Teicher</i>	DATE 5-23-72	
PROD. <i>R. V. Peterson</i>	DATE 5/24/72	TITLE MAINT MODULE OVERLAY (11/05-KM2)
NEXT FIGURE ASSY C-1A-5509081-0-0		SIZE CODE NUMBER REV. A SS 5509081-0-10
SCALE		
SHEET	OF	DIST. <i>6</i>

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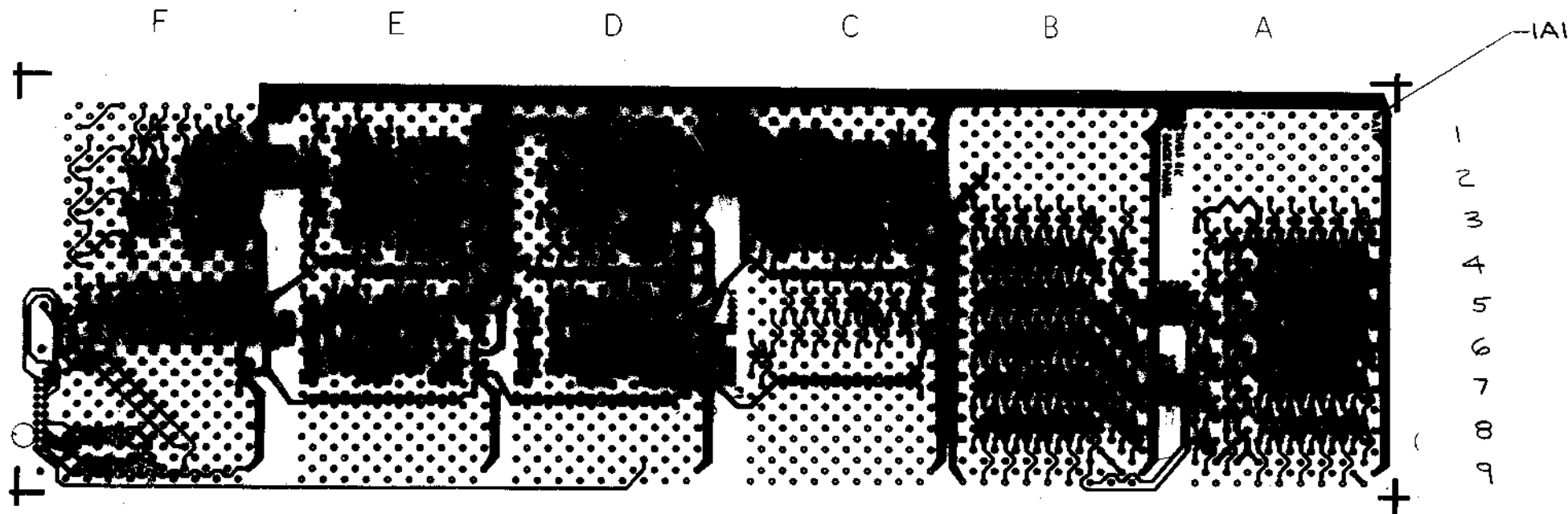
BLOCK SIDE-SIDE #1
(AS SEEN THROUGH SIDE #2)

REV.	CHANGE NO.	DATE	BY
D	5409818-00001	5-7-72	B. Hault
E	5409818-00002	2-24-72	B. MINOR
F	5409818-00003	2/5/73	G. GRAHAM
G	5409818-00004	2-13-73	G. GRAHAM
H	5409818-00005	11-15-73	B. MINOR
I	5409818-00006	12-2-73	B. MINOR
J	5409818-00007	4-19-74	B. MINOR
K	5409818-00008	7-19-74	B. MINOR

FIRST USED ON PDP-1105	QTY.	DESCRIPTION	PART NO.	REV. NO.
UNLESS OTHERWISE SPECIFIED				
UNLESS OTHERWISE SPECIFIED	CHK'D.	DATE	PARTS LIST	
DIMENSION IN INCHES	ROBICHAUD	3-20-72	digital EQUIPMENT CORPORATION	
TOLERANCES	C. TESCHNER	3-21-72	MAYNARD MASSACHUSETTS	
DECIMALS FRACTIONS ANGLES	W. MINOR	3-21-72	TITLE	
.005 + .001 + 90°	B.D. WEEKS	3-21-72	CIRCUIT SCHEMATIC (8K)	
FINAL SURFACE QUALITY	PROD. A.K. PETERSON	3-21-72	SIZE CODE	
REMOVE BURRS AND BREAK SHARP CORNERS	FIRST USED ON NEXT HIGHER ASSY.		NUMBER	
MATERIAL	CIA-5409818-0-0		CCS 5409818-0-1	
FINISH	SCALE 1/1		REV. K	
	SHEET 1 OF 2		DIST	

REV. NO. 1
NUMBER 5409818-0-1
SIZE CODE CCS

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SOLDER SIDE - SIDE #2

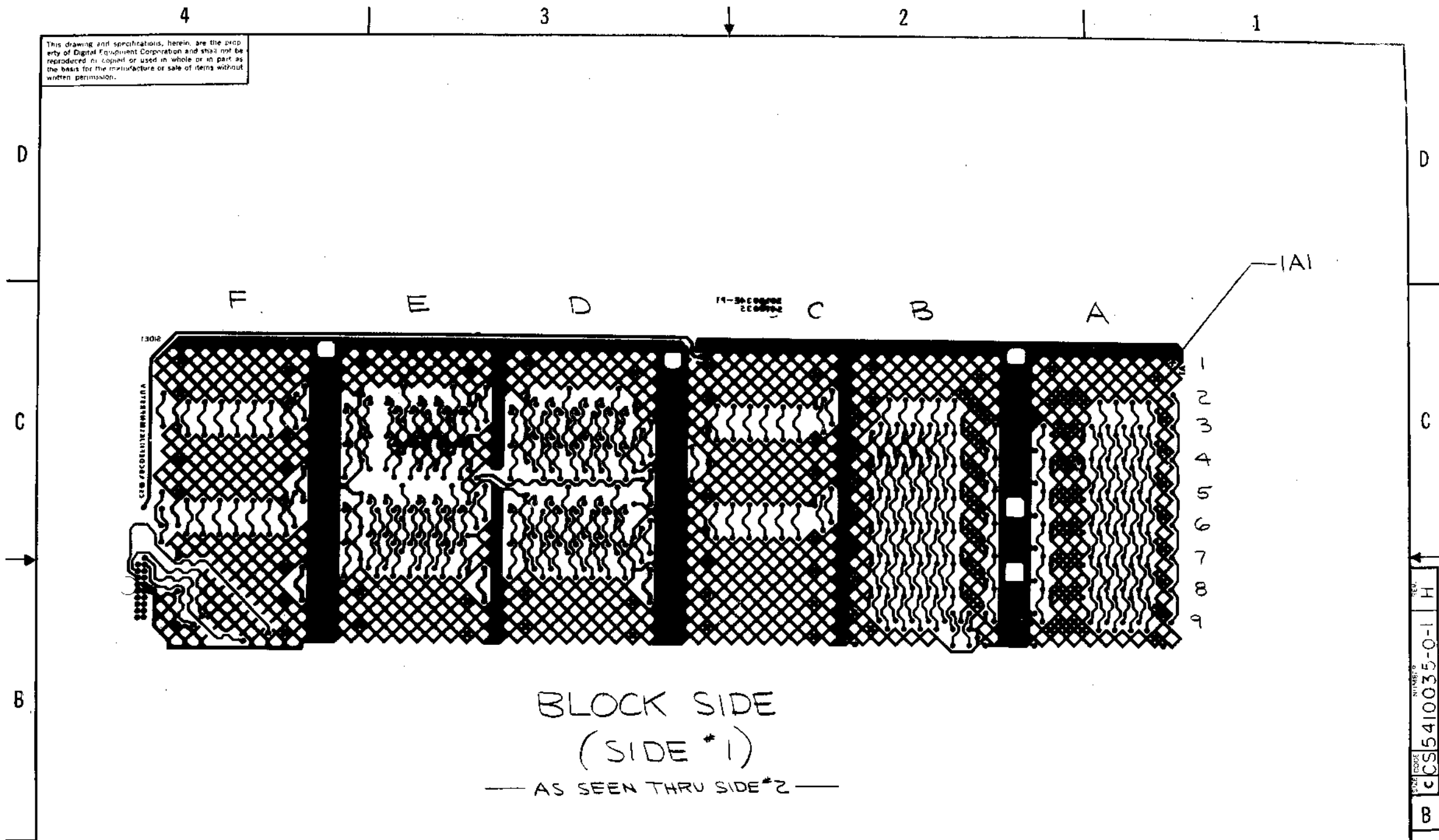
REV.	
CHG	
CHK	

DEC FORM NO. DRC

FIRST USED ON PDP-1105	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN. ROBICHAUD	DATE 3-20-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D. C. TESCHNER	DATE 3-21-72	TITLE CIRCUIT SCHEMATIC (8K)	
DIMENSION IN INCHES	ENG. W. MINOR	DATE 3-21-72	FIRST USED ON NEXT HIGHER ASSY.	
TOLERANCES	PROJ. ENG. B. O. WEEKS	DATE 3-21-72	SIZE CODE CCS 5409818-0-0	NUMBER 5409818-0-1
DECIMALS ± .005	PROD. R. K. PETERSON	DATE 3-21-72	REV. K	
FRACTIONS ± 1/64				
ANGLES ± 0°30'				
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL / / /				
FINISH / / /	SCALE 1/1			
	SHEET 2 OF 2			

REV. K
NUMBER 5409818-0-1
SIZE CODE CCS

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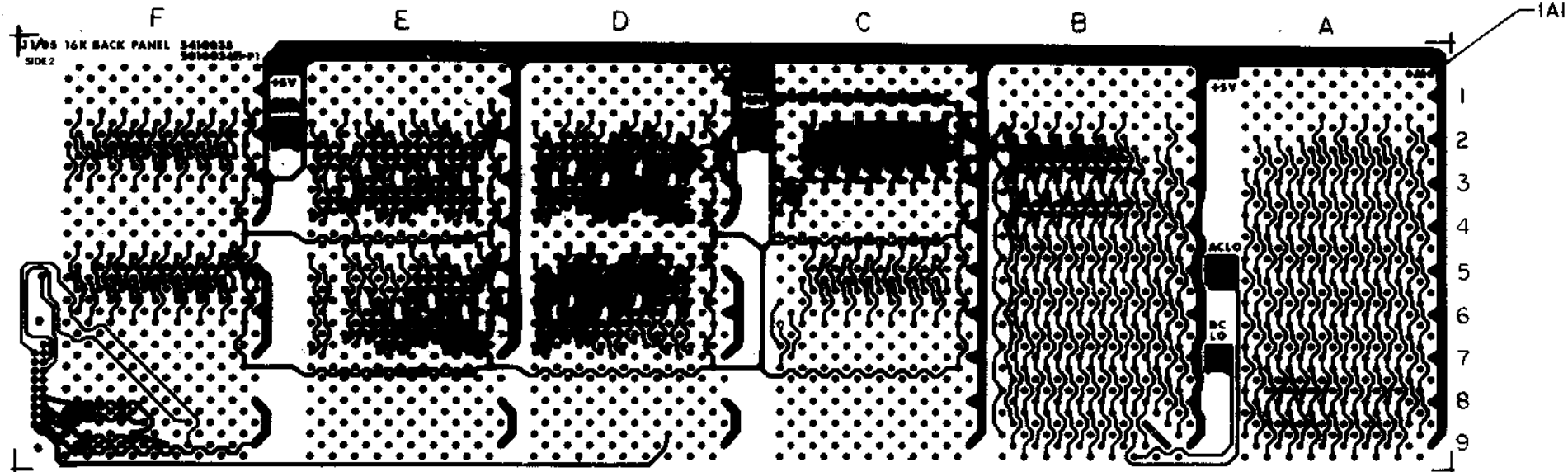
BLOCK SIDE
(SIDE *1)
— AS SEEN THRU SIDE *2 —

CHK	REV	CHANGE NO.
	1	5410035-00001
	2	2/1/75
	3	G. GRAHAM
	4	G. Graham 2-17-73
	5	5410035-00002 C
	6	3/9/73
	7	D. RANDALL
	8	5/12/73
	9	5410035-00003 D
	10	5-25-73
	11	G. GRAHAM
	12	G. Graham 6-1-73
	13	5410035-00004 E
	14	7/1/73
	15	D. RANDALL
	16	Don Randall 7/24/73
	17	5410035-00005 F
	18	11-15-73
	19	B. MINOR
	20	11-21-73
	21	5410035-00006 H
	22	7-18-74
	23	B. MINOR
	24	7-17-74

FIRST USED ON OPTION/ MODEL	QTY	DESCRIPTION	PART NO	REV
PDP-1105				1
UNLESS OTHERWISE SPECIFIED				
TOLERANCES		DATE	PARTS LIST	
DECIMALS		5-11-72	digital EQUIPMENT CORPORATION	
FRACTIONS		5-11-72	C. Teschner	
ANGLES		5-11-72	W. Zimm	
FINISH		5-10-72	B. D. Weeks	
REMOVE BURRS AND BREAK SHARP CORNERS		5/11/72	P. P. Peterson	
MATERIAL		NEXT HIGHER ASSY.	TITLE	
+		CIA-54100350-0	CIRCUIT SCHEMATIC (16K)	
FINISH		SCALE 1/1	SIZE CODE	
+		SHEET 1 OF 2	NUMBER	
			CCS 5410035-0-1	
			REV.	
			H	

REV. H
NUMBER 5410035-0-1
REV. H

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SOLDER SIDE
(SIDE 2)

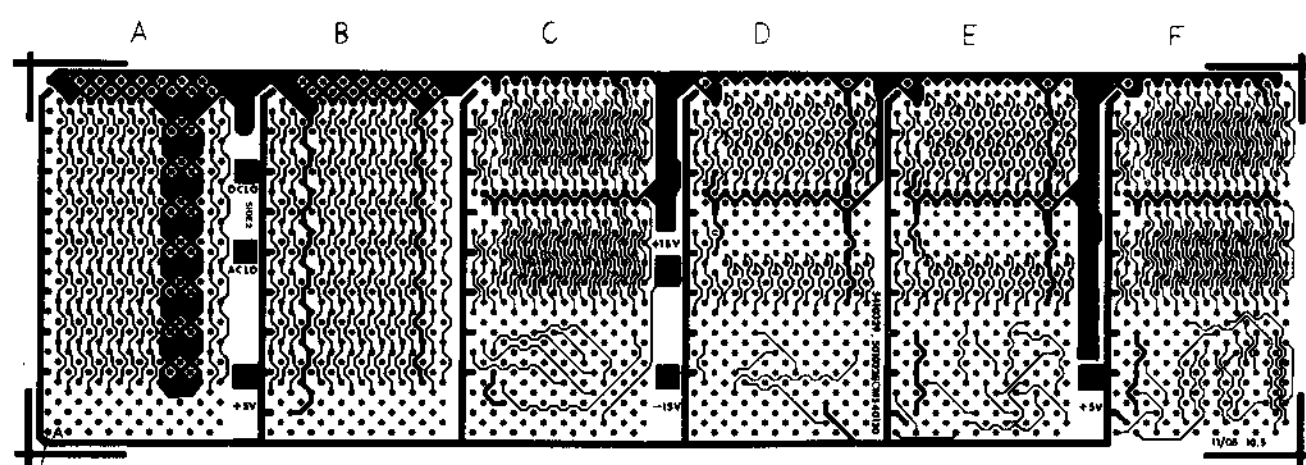
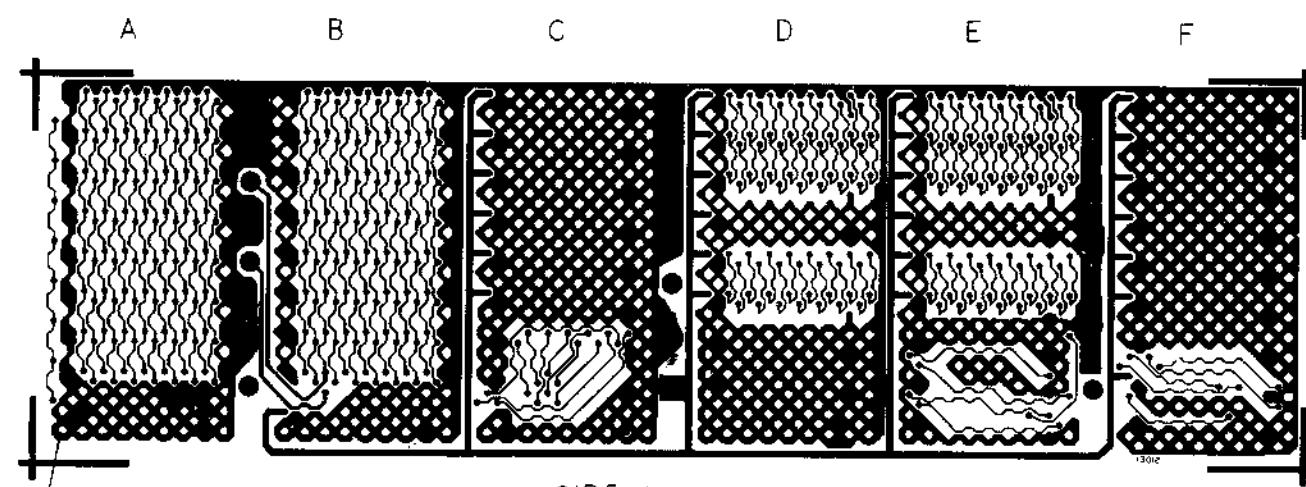
REV.	
CHG. NO.	
CHK	

FIRST USED ON OPTION/MODEL PDP11/05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DATE	DATE	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	DATE	DATE	TITLE	
DIMENSIONS	DATE	DATE	CIRCUIT SCHEMATIC (16K)	
DECIMALS FRACTIONS ANGLES	DATE	DATE	SIZE CODE NUMBER REV.	
+ .005 1/64 1/32	DATE	DATE	CCS 5410035-0-1 H	
FINAL SURFACE QUALITY	DATE	DATE	DIST.	
REMOVE BURRS AND BREAK SHARP CORNERS	DATE	DATE	SHEET 2 OF 2	
MATERIAL	DATE	DATE	1	
FINISH	DATE	DATE		

REV. H
NUMBER CCS 5410035-0-1

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NOTES:



REF.	DESCRIPTION	PART NO.	QTY.
	ETCH WIRE LIST	KWL-1105-0-B	5
1	ETCHED CIRCUIT BOARD	5010328	4
REF	MODULE ECO HISTORY	B-MH-5410328-0-0	3
REF	ASSY/DRILLING HOLE LAYOUT	D-AH-5410328-0-0	2
REF	X-Y COORDINATE HOLE LOCATION	K-CO-5410328-0-0	1

FIRST USED ON OPTION MODEL 1105	ETCH BOARD REV C	<table border="1"> <tr> <td>DRN</td> <td>DATE</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3/3/73</td> </tr> <tr> <td>CHK</td> <td>DATE</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3-16-73</td> </tr> <tr> <td>APP</td> <td>DATE</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3-23-73</td> </tr> <tr> <td>REV</td> <td>DATE</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3-27-73</td> </tr> </table>	DRN	DATE	<i>[Signature]</i>	3/3/73	CHK	DATE	<i>[Signature]</i>	3-16-73	APP	DATE	<i>[Signature]</i>	3-23-73	REV	DATE	<i>[Signature]</i>	3-27-73	PARTS LIST <table border="1"> <tr> <th>DEC NO.</th> <th>EIA NO.</th> <th>DEC NO.</th> <th>EIA NO.</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">SEMICONDUCTOR CONVERSION CHART</td> </tr> <tr> <td>SCALE</td> <td>NONE</td> <td>SHEET</td> <td>1 OF 1</td> </tr> </table>	DEC NO.	EIA NO.	DEC NO.	EIA NO.					SEMICONDUCTOR CONVERSION CHART				SCALE	NONE	SHEET	1 OF 1	TITLE CIRCUIT SCHEMATIC (1105 10.5)	NUMBER DCS 5410329-0-1	REV. B
DRN	DATE																																					
<i>[Signature]</i>	3/3/73																																					
CHK	DATE																																					
<i>[Signature]</i>	3-16-73																																					
APP	DATE																																					
<i>[Signature]</i>	3-23-73																																					
REV	DATE																																					
<i>[Signature]</i>	3-27-73																																					
DEC NO.	EIA NO.	DEC NO.	EIA NO.																																			
SEMICONDUCTOR CONVERSION CHART																																						
SCALE	NONE	SHEET	1 OF 1																																			

IC TYPE	GND	+5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.
IC PIN LOCATIONS

SHEET NO. 2
 PART NO. DCS 5410329-0-0-B
 TITLE CIRCUIT SCHEMATIC (1105 10.5)