

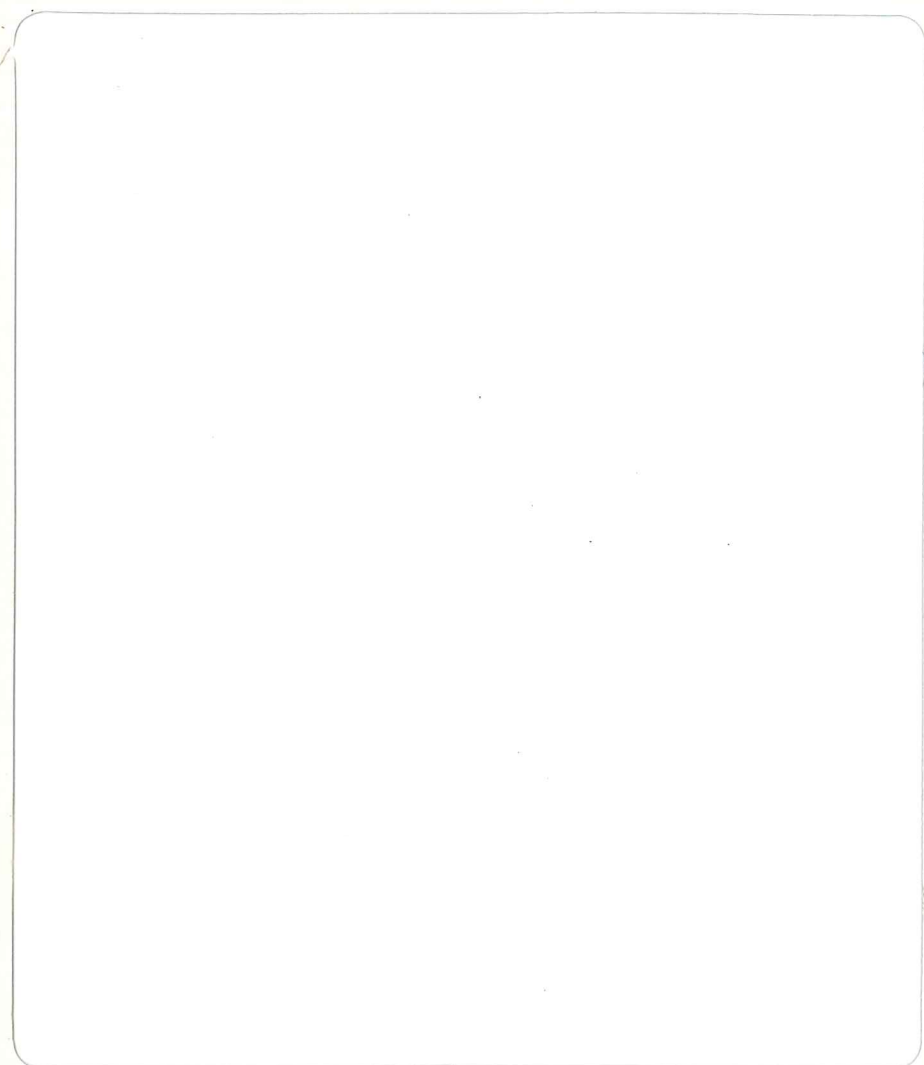
164

DL11-W
Field Maintenance
Print Set

Digital Equipment
Corporation

PRINT SET ORDER NO.
MP00106

digital



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164

B-TC-DL11-W-1
A-PL-DL11-W-Ø
D-CS-M7856-Ø-1
K-CS-M7856-Ø-9
D-IA-7008360-0-0
D-UA-BCØ5C-Ø-Ø
D-UA-BC03L-0-0
A-SP-DL11-W-2

DLII-W

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00106

EN-01124-16-N676-13277

REVISIONS	REV.	A	B		USED ON OPTION/MODEL	DRN.	DATE	TITLE: FIELD MAINTENANCE PRINT SET DL11-W	digital		
	CHG. NO.	DL11W - 1	DL11-W-2							D. Heady	26 MAR 76
	DATE	NOV-75	8-77							CHK'D	DATE
										D. Heady	26 MAR 76
										PROJ. ENG.	DATE
										R.B. Pratt	29-MAR 1976
										FIELD SERV.	DATE
										G. Evans	14-April 1976
					SHEET 1 OF 1						
						SIZE B	CODE TC	NUMBER DL11-W-1	REV. B		
						DIST.					

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

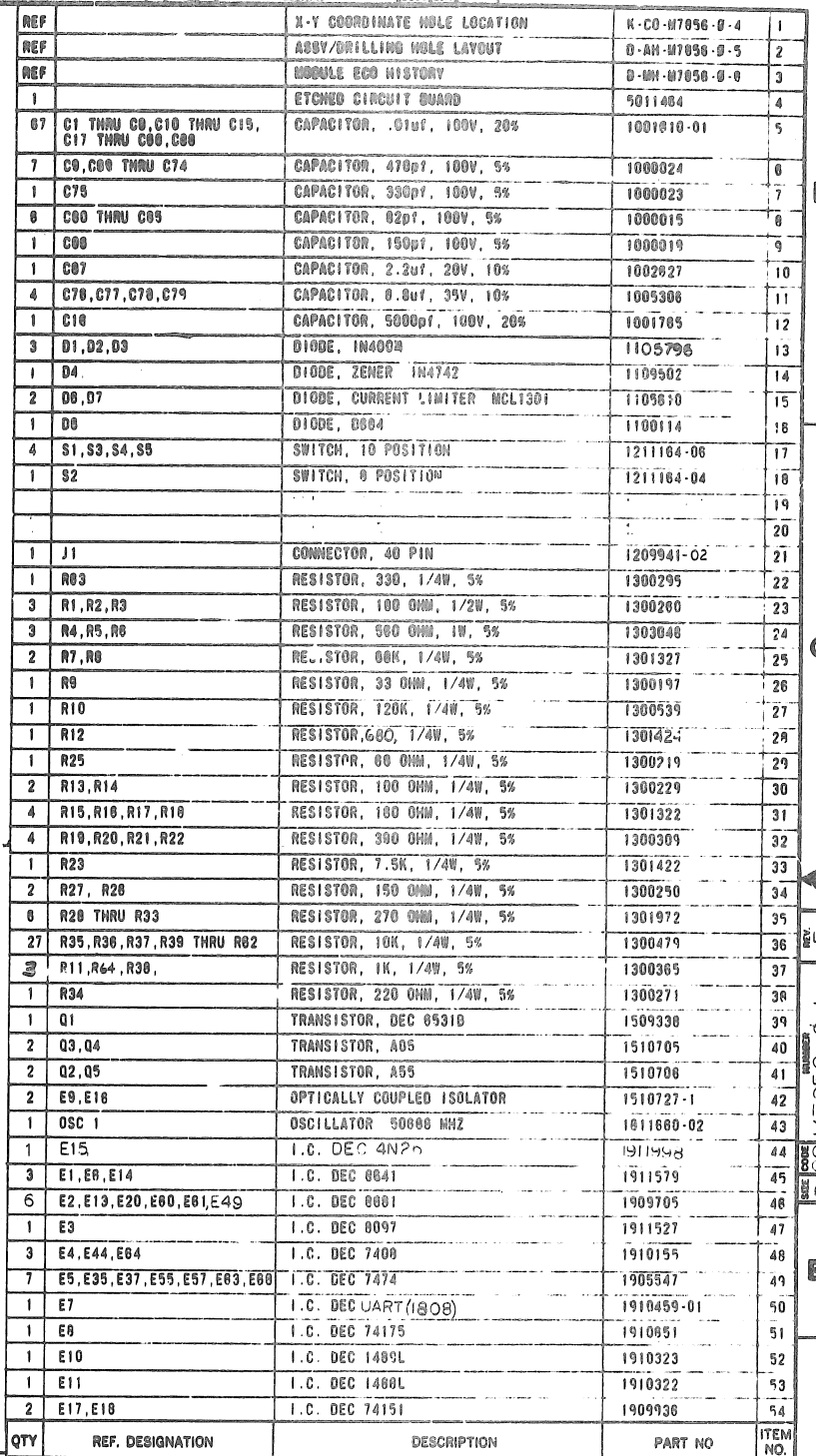
PARTS LIST

MADE BY	D. HEALY	CHECKED	D. HEALY	SECTION
DATE	25 MAR 76	DATE	25 MAR 76	1
ENG <i>RE Pratt</i>		PROD <i>K J. MacDonald</i>		ISSUED SECT.
DATE	1-APR-76	DATE	7 APR 76	1

QUANTITY / VARIATION

[illegible]

NOTES: 1. ALTERNATE PART NO. 1001610-00
MAY BE USED IN PLACE OF 1001610-01.



CA2
 DA2
 EA2
 FA2

C1-C8
 0.1 μ f

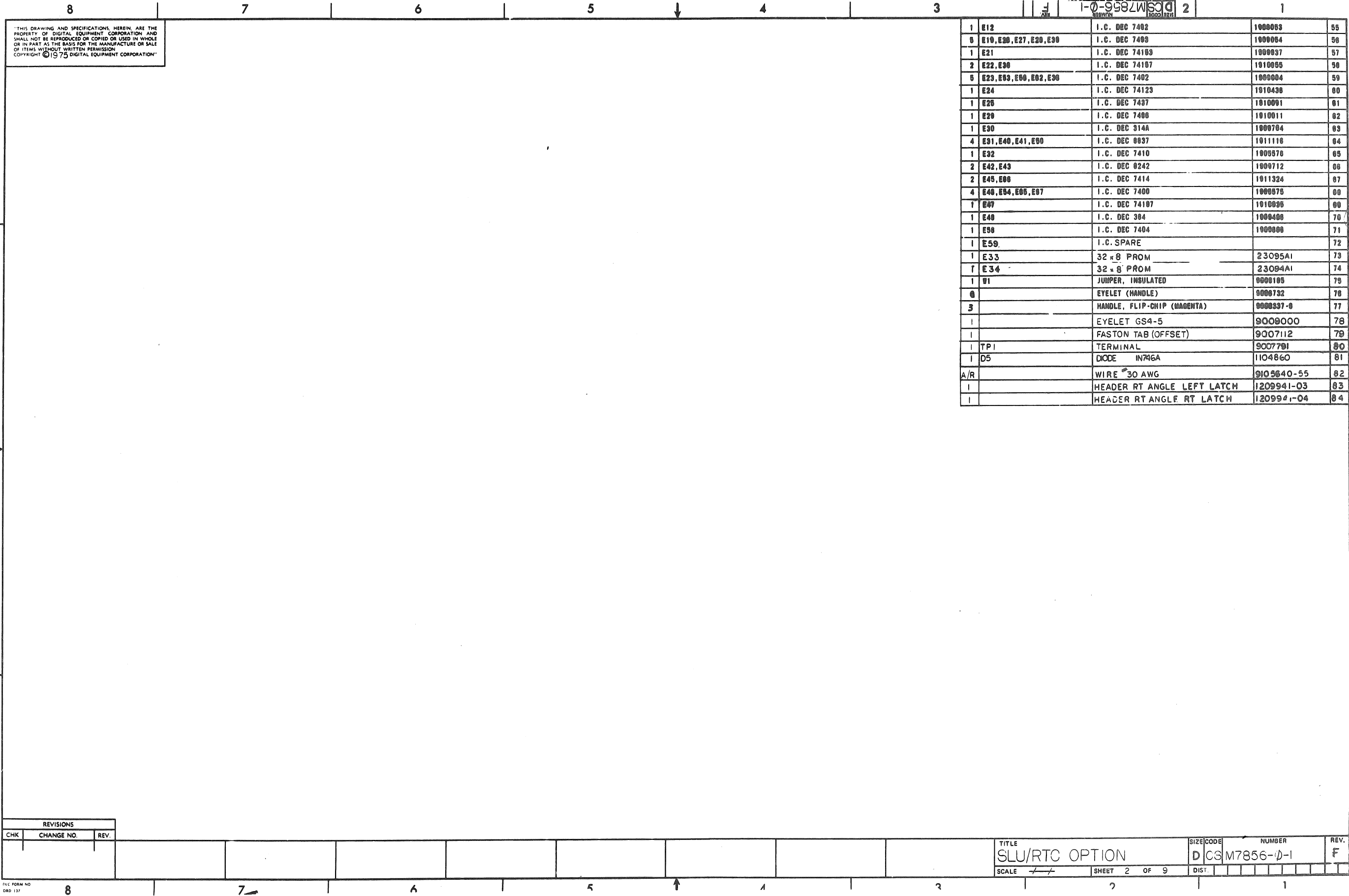
C10-C14
 0.1 μ f

C17-C6B
 0.1 μ f

C76-C79
 0.8 μ f

CC2, CT1
 DC2, DT1
 EC2, ET1
 FC2, FT1

FIRST USED ON OPTION MODEL		PART DESCRIPTION		DRAWING REV.		PART NO.		NO.	
		ETCH BOARD REV.		PART'S LIST					
			D						
				DRN	DATE	digital			
				4-10-75	9/12/75				
				CHG'D	DATE				
				1-9-76	8-9-75				
				ENG	DATE				
				11-20-75	11-20-75	TITLE SLU/RTD OPTION			
				PROJ. ENG.	JATE				
				11-24-75	11-24-75				
				PROJ. ENG.	DATE	SIZE CODE NUMBER REV. D CSM7856-0-1 F			
				11-25-75	11-25-75				
				PROJ. ENG.	DATE	SCALE SHEET 1 OF 9			
				11-25-75	11-25-75				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	NEXT HIGHER ASSY					
SEMICONDUCTOR CONVERSION CHART									



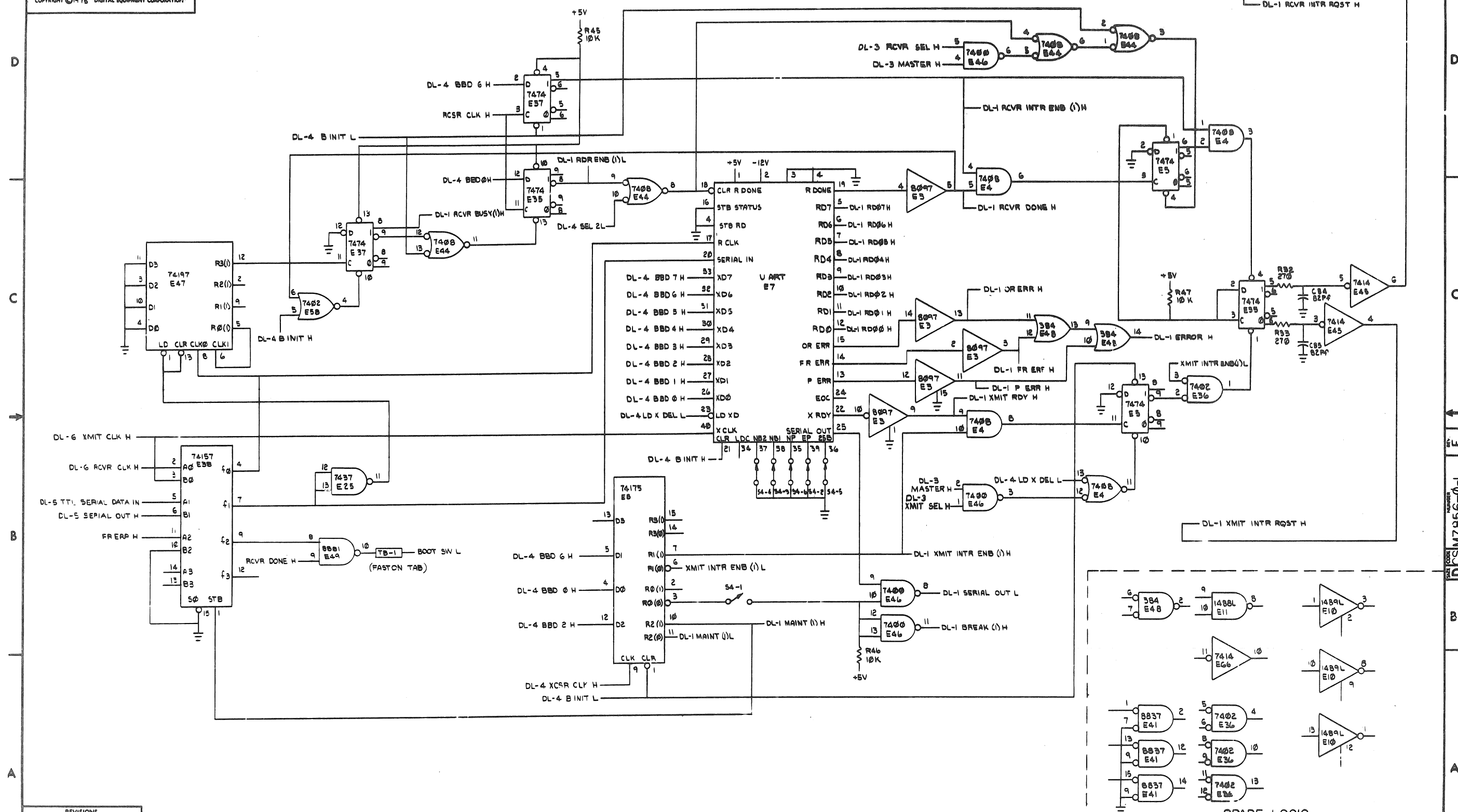
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1	E12	I.C. DEC 7402	1000053	55
5	E10, E20, E27, E29, E30	I.C. DEC 7400	1000054	56
1	E21	I.C. DEC 74103	1000037	57
2	E22, E30	I.C. DEC 74107	1010055	58
5	E23, E33, E36, E32, E30	I.C. DEC 7402	1000004	59
1	E24	I.C. DEC 74123	1010430	60
1	E25	I.C. DEC 7437	1010091	61
1	E26	I.C. DEC 7400	1010011	62
1	E30	I.C. DEC 314A	1000704	63
4	E31, E40, E41, E30	I.C. DEC 0037	1011116	64
1	E32	I.C. DEC 7410	1005570	65
2	E42, E43	I.C. DEC 0242	1000712	66
2	E45, E90	I.C. DEC 7414	1011324	67
4	E46, E54, E55, E57	I.C. DEC 7400	1000575	68
1	E47	I.C. DEC 74107	1010026	69
1	E48	I.C. DEC 304	1000409	70
1	E50	I.C. DEC 7404	1000000	71
1	E59	I.C. SPARE		72
1	E33	32 x 8 PROM	23095A1	73
1	E34	32 x 8 PROM	23094A1	74
1	B1	JUMPER, INSULATED	0000105	75
0		EYELET (HANDLE)	0000732	76
3		HANDLE, FLIP-CHIP (MAGENTA)	0000337-0	77
1		EYELET GS4-5	9009000	78
1		FASTON TAB (OFFSET)	9007112	79
1	TP1	TERMINAL	9007701	80
1	D5	DIODE IN746A	1104860	81
A/R		WIRE 30 AWG	9105640-55	82
1		HEADER RT ANGLE LEFT LATCH	1209941-03	83
1		HEADER RT ANGLE RT LATCH	1209941-04	84

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
SLU/RTC OPTION		D CS	M7856-D-1	F
SCALE	SHEET 2 OF 9	DIST.		

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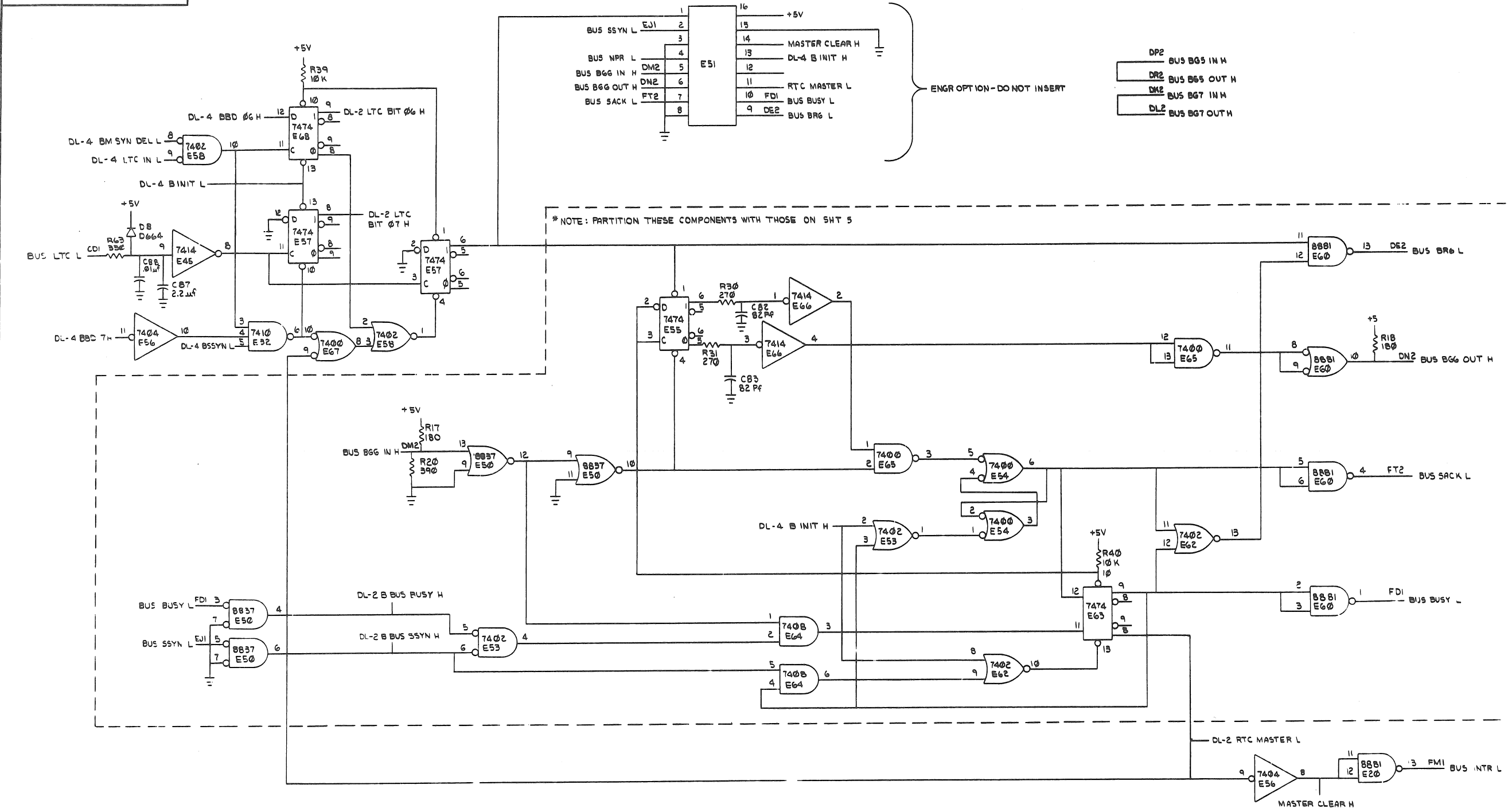
SPARE LOGIC

REVISIONS		
CHK	CHANGE NO	REV.

TITLE		SIZE CODE		NUMBER		PAGE	
SLU/RTC OPTION (DL-I)		D CS		M7856-0-1		F	
SCALE	1/1	SHEET	3	OF	9	DIST.	

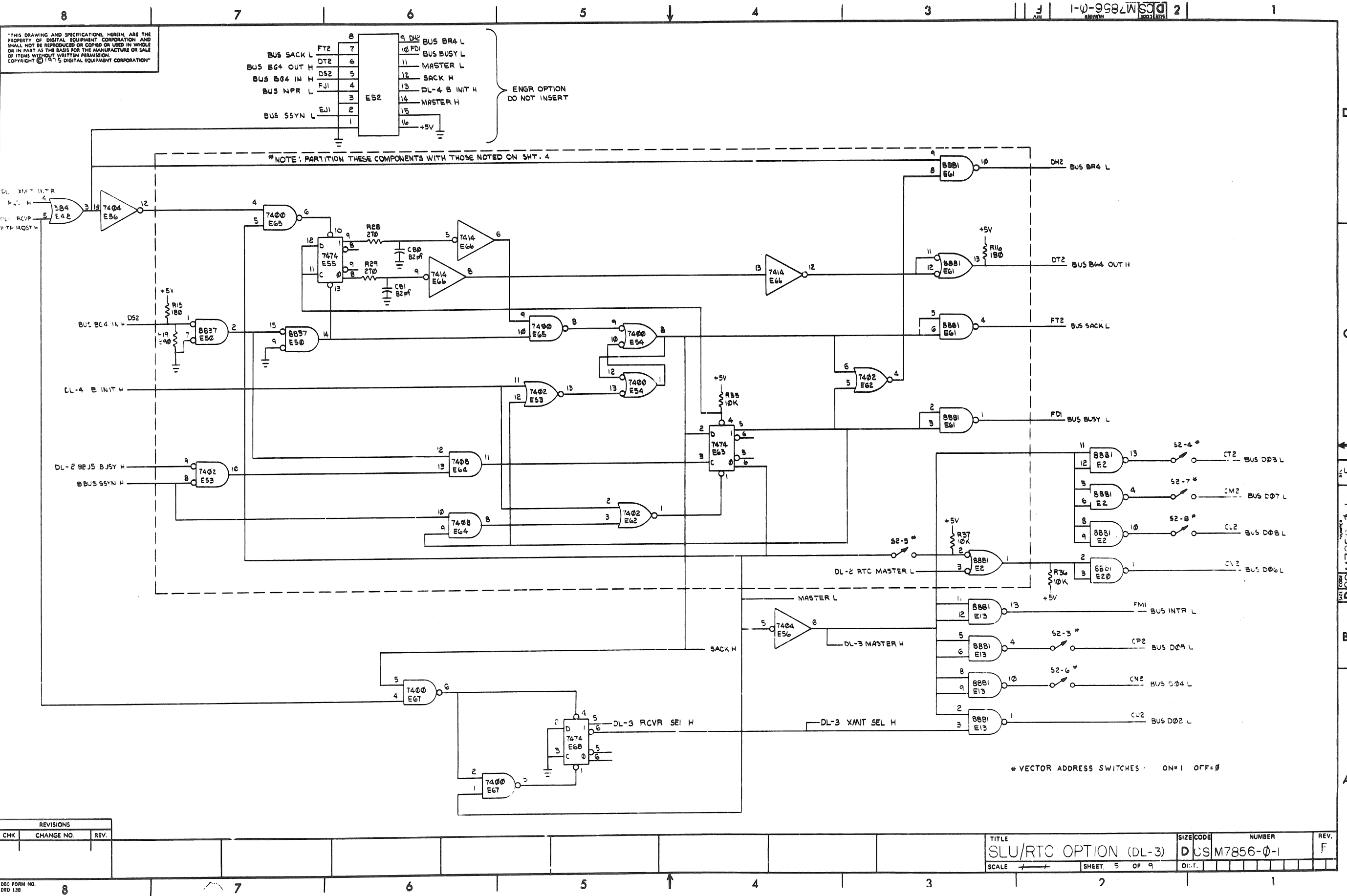
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1-0-9982W SCD 2

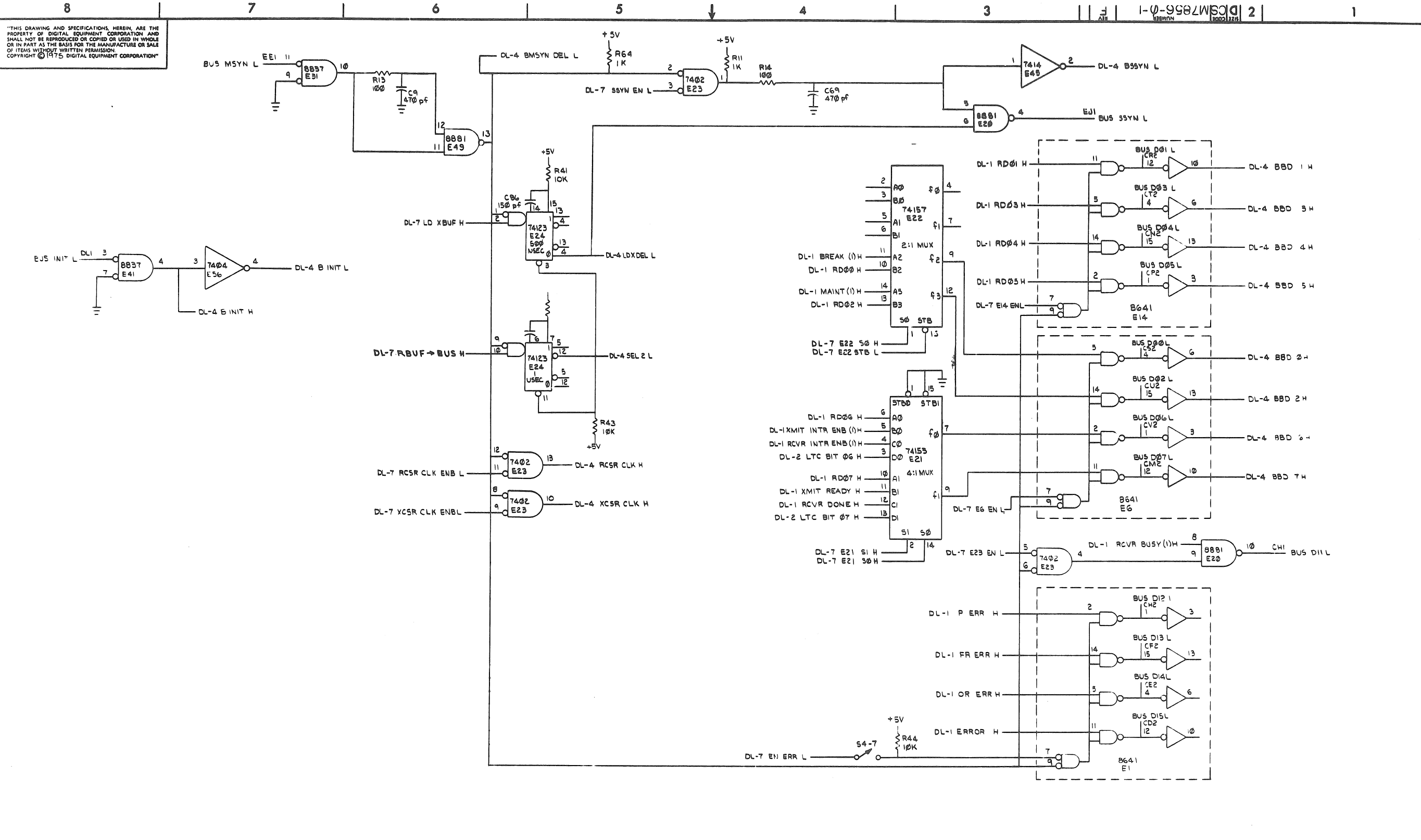


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE/CODE	NUMBER	REV.
SLU/RTC OPTION (DL-2)		D CS	M7856-0-1	F
SCALE		SHEET	4 OF 9	DIST.



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REVISIONS		
CHK	CHANGE NO.	REV.

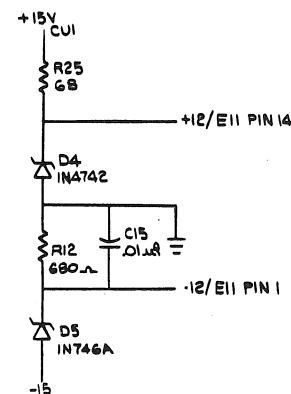
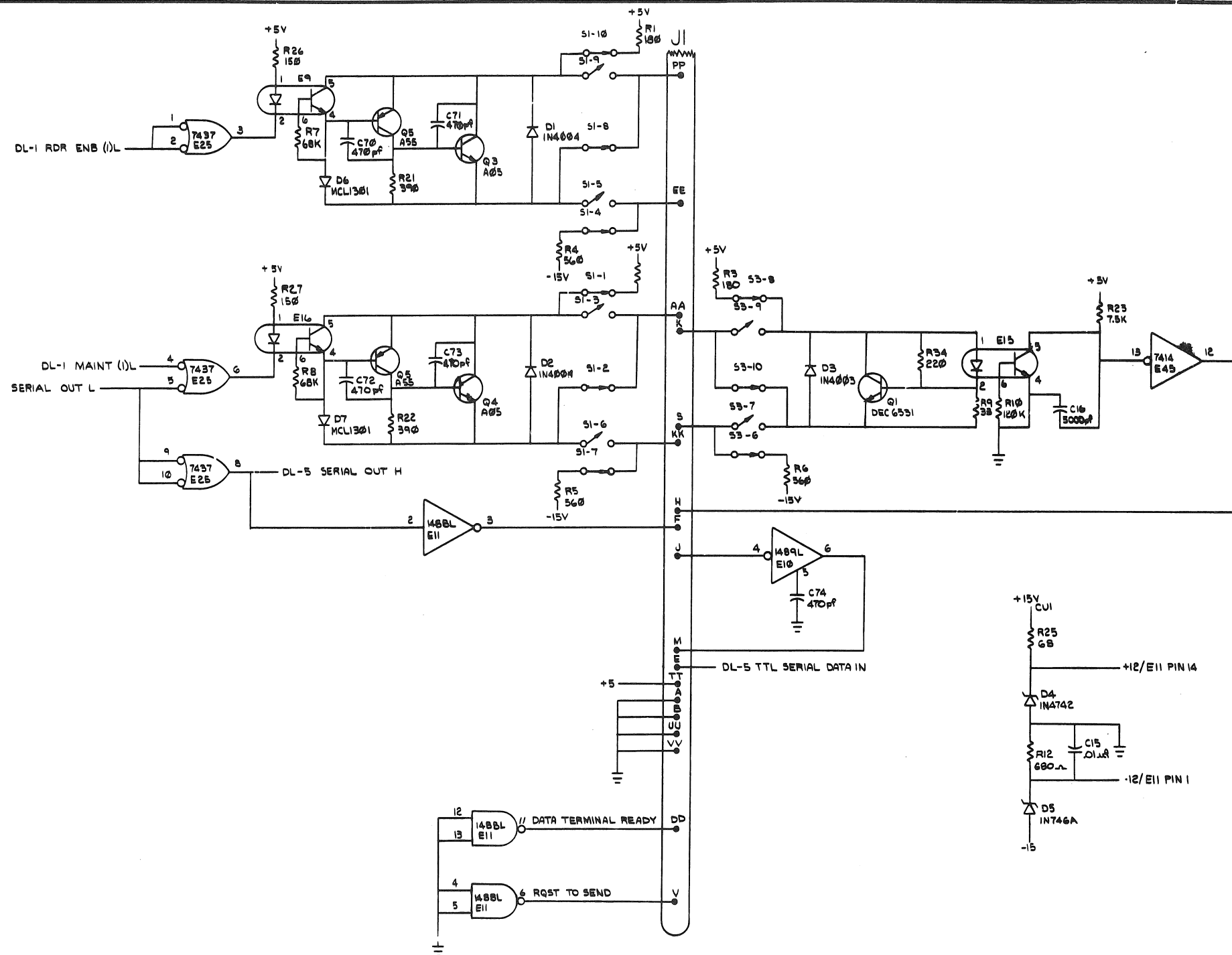
DEC FORM NO. 000 130

TITLE		SIZE CODE	NUMBER	REV.
SLU/RTC OPTION (DL-4)		D CS	117856-0-1	F
SCALE		SHEET 6 OF 9		DIST.

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NOTE:

1. SWITCHES ARE SHOWN IN ACTIVE MODE.
2. D7, D6 ARE MCL1301 1 MA CONSTANT CURRENT DIODES.

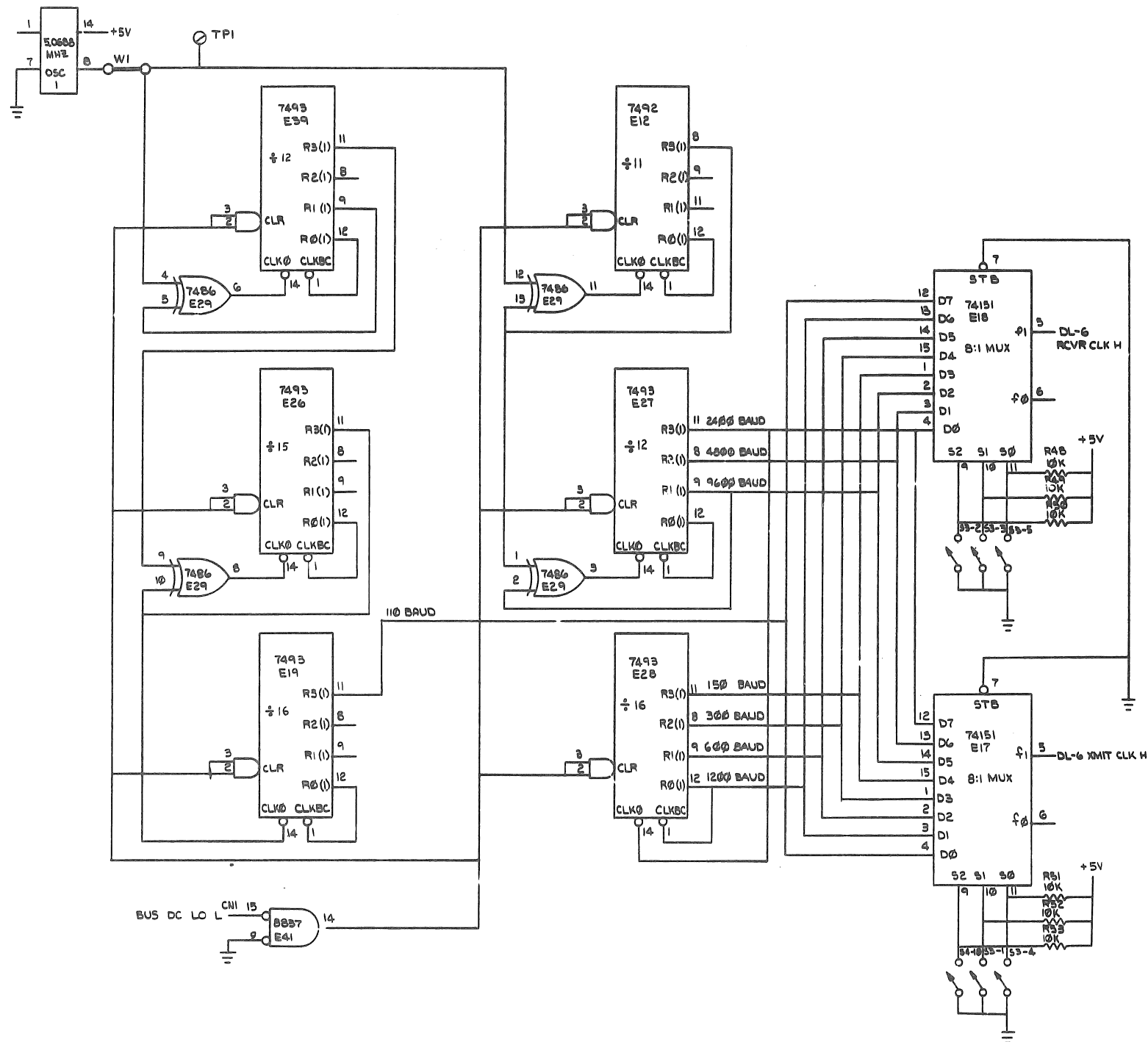


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE/CODE	NUMBER	REV.
SLU/RTC OPTION (DL-5)	D CS	M7856-0-1	F
SCALE	SHEET 7 OF 9	DIST.	

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1-0-9987WSD 2



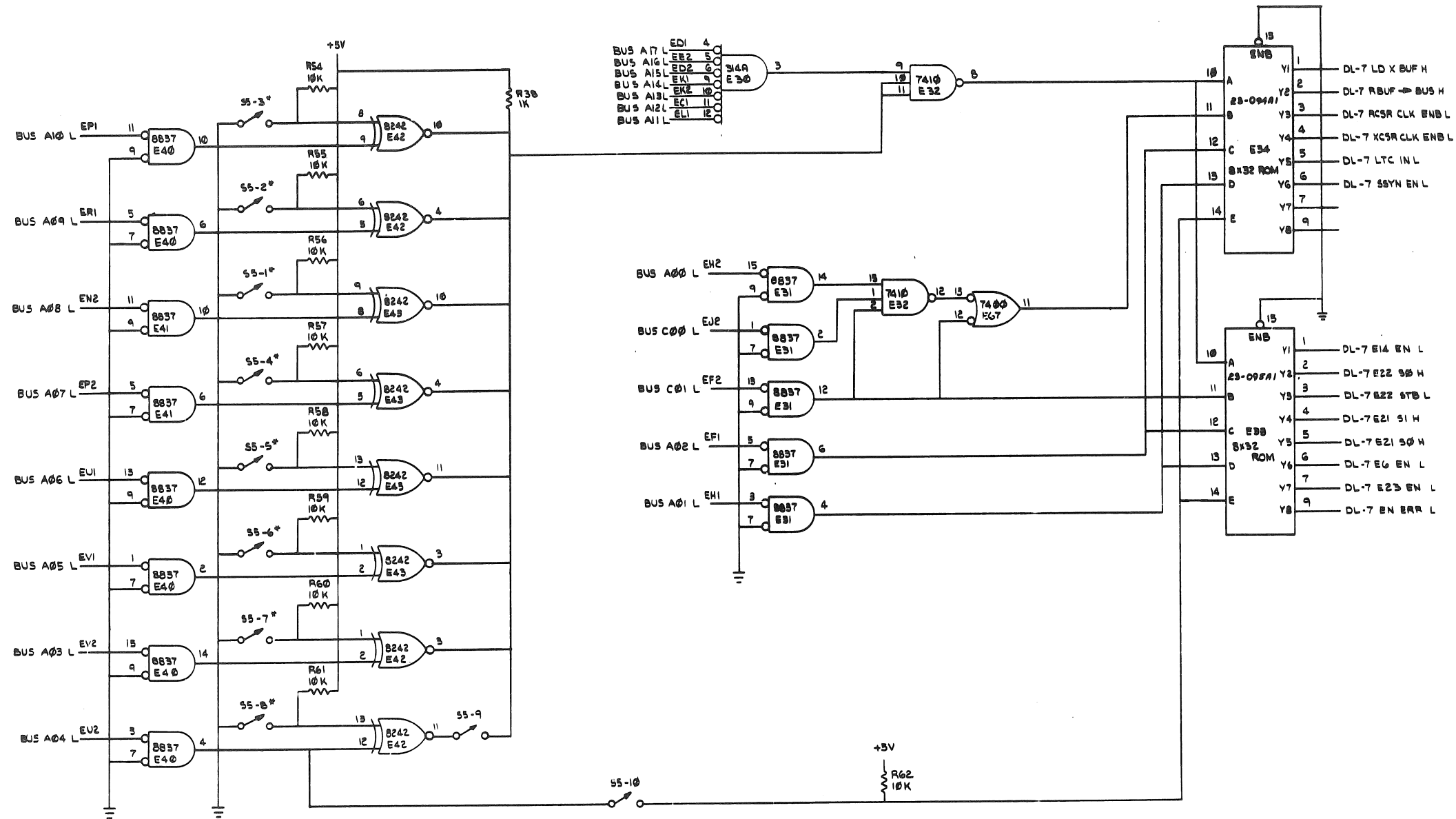
BAUD RATE	RCVR			XMIT		
	S3-2	S3-3	S3-5	S4-10	S3-1	S3-4
110	OFF	OFF	OFF	ON	ON	ON
150	ON	OFF	OFF	OFF	ON	ON
300	OFF	ON	ON	ON	OFF	OFF
600	OFF	ON	OFF	ON	ON	ON
1200	OFF	OFF	ON	ON	ON	OFF
2400	ON	ON	ON	OFF	OFF	OFF
4800	ON	ON	OFF	OFF	OFF	ON
9600	ON	OFF	ON	OFF	ON	OFF

REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 010 155

TITLE		SIZE	CODE	NUMBER		REV.
SLU/RTC OPTION (DL-6)		D	CS	M7856-0-1		F
SCALE		SHEET	8	OF	9	DIST

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* ADDRESS SELECTION SWITCHES - OFF=1 ON=0

REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 138

TITLE		SIZE CODE		NUMBER		REV.
SLU/RTC OPTION (DL-7)		DCS		M7856-0-1		F
SCALE 1/1		SHEET 9 OF 9		DIST.		

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REV. NUMBER SIZE CODE
6-0-9587W KCS 2

(FOR 23094A1-A07 & 23095A1-A07)

REV.
CHANGE NO.
CWK

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES ±0° 30'		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN		MEDIUM ☐		OVER 0 TO 0.2	OVER 0.2 TO 1.2
MICROINCHES		PREFERRED ☐		OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
				OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
				±.004	±.008
				±.012	±.016
				±.025	±.04
				±.063	±0.1
THIRD ANGLE PROJECTION		DRN. <i>guz</i>		FIRST USED ON	
CHK'D <i>guz</i>		ENG. <i>guz</i>		DL11-W digital	
REMOVE BURRS AND BREAK SHARP CORNERS		PROJ. ENG. <i>guz</i>		TITLE	
DO NOT SCALE DWG		PROD. <i>guz</i>		ROM LISTING	
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE	
FINISH		D-CS-M7856-0-1		NUMBER	
		SCALE		REV.	
		SHEET 1 OF 3		KCS M7856-0-9	

1
DEC PART NUMB: 23094A1-A07
ORIGINATOR: BOB PRATT
DATE OF ORIGIN: 2/28/75

ROM PATTERN SPEC

PAGE 2 OF 3

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
0	00	00111100	074
1	01	00111100	074
2	02	00111100	074
3	03	00111100	074
4	04	00111100	074
5	05	00111100	074
6	06	00111100	074
7	07	00111100	074
8	10	00111100	074
9	11	00111100	074
10	12	00111100	074
11	13	00111100	074
12	14	00001100	014
13	15	00111100	074
14	16	00011100	034
15	17	00111100	074
16	20	00011000	030
17	21	00111100	074
18	22	00011100	034
19	23	00111100	074
20	24	00010100	024
21	25	00111100	074
22	26	00011100	034
23	27	00111100	074
24	30	00011100	034
25	31	00111100	074
26	32	00011110	036
27	33	00111100	074
28	34	00011101	035
29	35	00111100	074
30	36	00011100	034
31	37	00111100	074

1
DEC PART NUMB: 23-095A1-A07
ORIGINATOR: BOB PRATT
DATE OF ORIGIN: 2/28/75

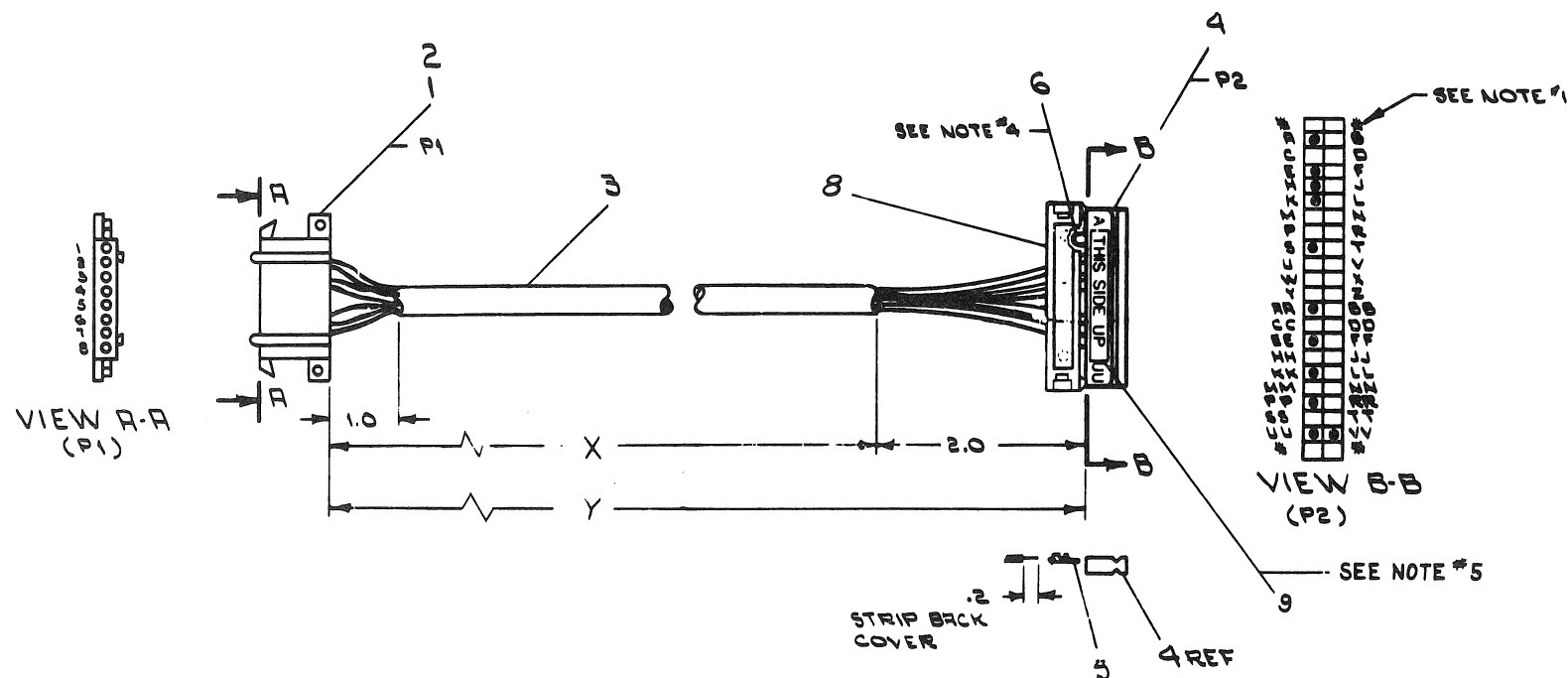
ROM PATTERN SPEC

PAGE 3 OF 3

DECIMAL LOC	OCTAL LOC	BINARY DATA	OCTAL DATA
0	00	11111111	377
1	01	11111111	377
2	02	11111111	377
3	03	11111111	377
4	04	11111111	377
5	05	11111111	377
6	06	11111111	377
7	07	11111111	377
8	10	11111111	377
9	11	11111111	377
10	12	11111111	377
11	13	11111111	377
12	14	11011111	337
13	15	11111111	377
14	16	11111111	377
15	17	11111111	377
16	20	10001111	217
17	21	11111111	377
18	22	11111111	377
19	23	11111111	377
20	24	11010001	321
21	25	11111111	377
22	26	11111111	377
23	27	11111111	377
24	30	01000010	102
25	31	11111111	377
26	32	11111111	377
27	33	11111111	377
28	34	11111111	377
29	35	11111111	377
30	36	11111111	377
31	37	11111111	377

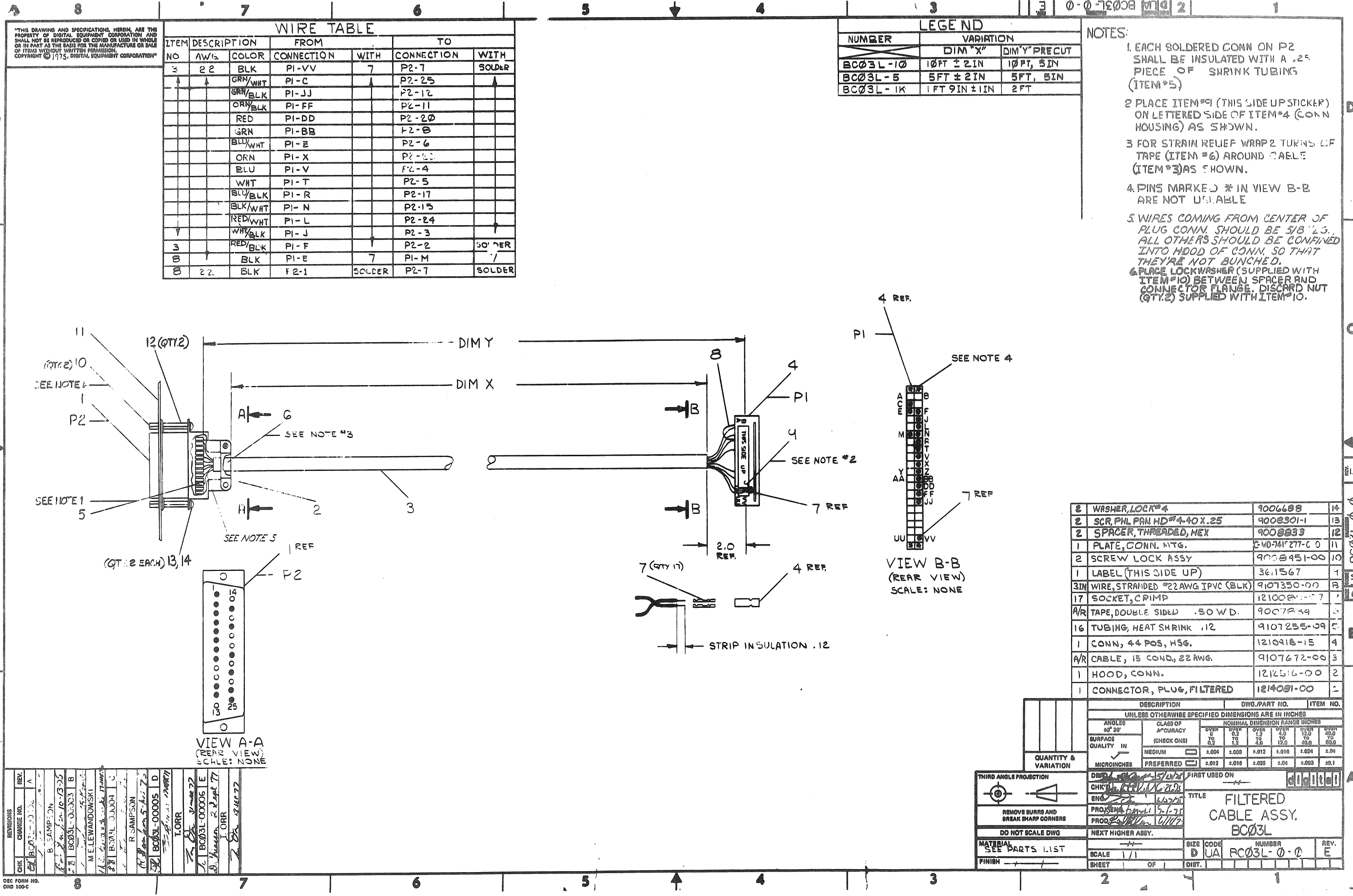
WIRE TABLE							LEGEND			
ITEM NO.	DESCRIPTION		PAIR NO.	FROM		TO		VARIATION	LENGTH	
	RWG	COLOR		CONNECTION	WITH	CONNECTION	WITH		X	Y
3	22	BLK	1	P1-2	2	P2-KK	5	7008360-0	25IN±10	27IN±10
3	↑	RED		P1-S	2	P2-S	↑	7008360-1	46IN±10	48IN±10
3,7	↑	SHIELD		SEE NOTE #2	—	P2-A(NOTE#3)	↑	7008360-9	9FT±2IN	9FT 2IN ± 2IN
3	↑	BLK	2	P1-4	2	P2-EE	↑			
3	↑	WHT		P1-S	2	P2-AA	↑			
3,7	↑	SHIELD		SEE NOTE #2	—	P2-UU(NOTE#3)	↑			
3	↑	BLK	3	P1-G	2	P2-PP	↑			
3	↑	GRN		P1-T	2	P2-K	↑			
3,7	↑	SHIELD		SEE NOTE #2	—	P2-VV(NOTE#3)	↑			
6	22	BLK	—	P2-E	5	P2-H	5			

- # NOTES:
1. * ASTERISKS INDICATE CAVITIES NOT USED OR DESIGNATED BY LETTERS.
 2. 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.
 3. 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.
 4. ITEM*6(WIRE) TO BE APPROXIMATELY ONE(1) INCH LONG.
 5. PLACE ITEM*9('THIS SIDE UP' STICKER) ON LETTERED SIDE OF ITEM*4 (BEAG HOUSING) AS SHOWN.



1	LABEL, THIS SIDE UP	3611567	3
1	STRAIN RELIEF	1211166	3
R/R	TUB. #1 STEF. THINWALL NAT	9107273-11	7
R/R	WIRE, #22 AWG STD TEF BLK	9107350-00	6
11	SOCKET, CRIMP # 472 16	1210089-07	3
1	HOUSING, BERG # 65043-D15	1210918-15	4
R/R	CABLE, BELDEN ST77-3FR SHLD	9107723-0	3
6	CONTACT MATE-N-LOCK (FEMALE)	1209379-03	2
1	CONN. MATE-N-LOCK (FEMALE)	1209340-00	1
QTY.	DESCRIPTION	PART NO.	ITE

FIRST USED ON OPTION/MODEL PDP-8E	DO NOT SCALE DRAWING		DATE <i>1-8-71</i>		DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE <i>1-8-71</i>		
	TOLERANCES	ANGLES	DATE <i>1-8-71</i>		TITLE CABLE ASSEMBLY (KL8E)
	FINAL SURFACE QUALITY	$\pm 0^{\circ}30'$	DATE <i>1-8-71</i>		
	REMOVE BURRS AND BREAK SHARP CORNERS		DATE <i>1-8-71</i>		
			DATE <i>1-8-71</i>		
	MATERIAL... SEE PARTS LIST	NEXT HIGHER ASSY A ML-KL8-E-0	SCALE NONE		REV
	FINISH	SHEET OF	DIA 7008360-0-0		



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WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TO	WITH	CONNECTION	WITH
3	22	BLK	PI-VV	7	P2-7	SOLDER
		GRN/WHT	PI-C		P2-25	
		GRN/BLK	PI-JJ		P2-12	
		ORN/BLK	PI-FF		P2-11	
		RED	PI-DD		P2-20	
		GRN	PI-BB		P2-8	
		BLU/WHT	PI-Z		P2-6	
		ORN	PI-X		P2-22	
		BLU	PI-V		P2-4	
		WHT	PI-T		P2-5	
		BLU/BLK	PI-R		P2-17	
		BLK/WHT	PI-N		P2-13	
		RED/WHT	PI-L		P2-24	
		WHT/BLK	PI-J		P2-3	
3		RED/BLK	PI-F		P2-2	SOLDER
8		BLK	PI-E	7	PI-M	
8	22	BLK	F2-1	SOLDER	P2-7	SOLDER

LEGEND		
NUMBER	VARIATION	
	DIM "X"	DIM "Y" PRECUT
BC03L-10	10 FT ± 2 IN	10 FT, 5 IN
BC03L-5	5 FT ± 2 IN	5 FT, 5 IN
BC03L-1K	1 FT 9 IN ± 1 IN	2 FT

- NOTES:
1. EACH SOLDERED CONN ON P2 SHALL BE INSULATED WITH A .25 PIECE OF SHRINK TUBING (ITEM #5)
 2. PLACE ITEM #9 (THIS SIDE UP STICKER) ON LETTERED SIDE OF ITEM #4 (CONN HOUSING) AS SHOWN.
 3. FOR STRAIN RELIEF WRAP 2 TURNS OF TAPE (ITEM #6) AROUND CABLE (ITEM #3) AS SHOWN.
 4. PINS MARKED * IN VIEW B-B ARE NOT USABLE
 5. WIRES COMING FROM CENTER OF PLUG CONN. SHOULD BE 5/8" L.G., ALL OTHERS SHOULD BE CONFINED INTO HOOD OF CONN. SO THAT THEY'RE NOT BUNCHED.
 6. PLACE LOCK WASHER (SUPPLIED WITH ITEM #10) BETWEEN SPACER AND CONNECTOR FLANGE. DISCARD NUT (QTY. 2) SUPPLIED WITH ITEM #10.

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
2	WASHER, LOCK #4	9006688	14
2	SCR. PHL PAN HD #4-40 X.25	9008301-1	13
2	SPACER, THREADED, HEX	9008833	12
1	PLATE, CONN. MFG.	3-MD-741-277-C 0	11
2	SCREW LOCK ASSY	9008951-00	10
1	LABEL (THIS SIDE UP)	361567	9
3 IN	WIRE, STRANDED #22AWG TPVC (BLK)	9107350-00	8
17	SOCKET, CRIMP	1210024-007	7
A/R	TAPE, DOUBLE SIDED .50 W.D.	9007834	6
16	TUBING, HEAT SHRINK .12	9107235-09	5
1	CONN, 44 POS, HSG.	1210918-15	4
A/R	CABLE, 15 COND, 22AWG.	9107672-00	3
1	HOOD, CONN.	1212516-00	2
1	CONNECTOR, PLUG, FILTERED	1214031-00	1

QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	ANGLES 90° 30°		
	SURFACE QUALITY IN		
	MICROINCHES		
	PREFERRED		
	FIRST USED ON		
	CHECKED BY		
	ENG. BY		
	PROJ. BY		
	NEXT HIGHER ASSY.		
	MATERIAL		
	SEE PARTS LIST		
	FINISH		
	SCALE		
	SHEET		
	OF		
	DIST.		
	SIZE		
	CODE		
	NUMBER		
	REV.		
	E		

REV.	CHANGE NO.	DATE	BY	APP.
1	1	10-10-75	B. SAMPSON	
2	2	10-10-75	B. SAMPSON	
3	3	10-10-75	B. SAMPSON	
4	4	10-10-75	B. SAMPSON	
5	5	10-10-75	B. SAMPSON	
6	6	10-10-75	B. SAMPSON	
7	7	10-10-75	B. SAMPSON	
8	8	10-10-75	B. SAMPSON	
9	9	10-10-75	B. SAMPSON	
10	10	10-10-75	B. SAMPSON	
11	11	10-10-75	B. SAMPSON	
12	12	10-10-75	B. SAMPSON	
13	13	10-10-75	B. SAMPSON	
14	14	10-10-75	B. SAMPSON	
15	15	10-10-75	B. SAMPSON	
16	16	10-10-75	B. SAMPSON	
17	17	10-10-75	B. SAMPSON	
18	18	10-10-75	B. SAMPSON	
19	19	10-10-75	B. SAMPSON	
20	20	10-10-75	B. SAMPSON	
21	21	10-10-75	B. SAMPSON	
22	22	10-10-75	B. SAMPSON	
23	23	10-10-75	B. SAMPSON	
24	24	10-10-75	B. SAMPSON	
25	25	10-10-75	B. SAMPSON	
26	26	10-10-75	B. SAMPSON	
27	27	10-10-75	B. SAMPSON	
28	28	10-10-75	B. SAMPSON	
29	29	10-10-75	B. SAMPSON	
30	30	10-10-75	B. SAMPSON	
31	31	10-10-75	B. SAMPSON	
32	32	10-10-75	B. SAMPSON	
33	33	10-10-75	B. SAMPSON	
34	34	10-10-75	B. SAMPSON	
35	35	10-10-75	B. SAMPSON	
36	36	10-10-75	B. SAMPSON	
37	37	10-10-75	B. SAMPSON	
38	38	10-10-75	B. SAMPSON	
39	39	10-10-75	B. SAMPSON	
40	40	10-10-75	B. SAMPSON	
41	41	10-10-75	B. SAMPSON	
42	42	10-10-75	B. SAMPSON	
43	43	10-10-75	B. SAMPSON	
44	44	10-10-75	B. SAMPSON	
45	45	10-10-75	B. SAMPSON	
46	46	10-10-75	B. SAMPSON	
47	47	10-10-75	B. SAMPSON	
48	48	10-10-75	B. SAMPSON	
49	49	10-10-75	B. SAMPSON	
50	50	10-10-75	B. SAMPSON	
51	51	10-10-75	B. SAMPSON	
52	52	10-10-75	B. SAMPSON	
53	53	10-10-75	B. SAMPSON	
54	54	10-10-75	B. SAMPSON	
55	55	10-10-75	B. SAMPSON	
56	56	10-10-75	B. SAMPSON	
57	57	10-10-75	B. SAMPSON	
58	58	10-10-75	B. SAMPSON	
59	59	10-10-75	B. SAMPSON	
60	60	10-10-75	B. SAMPSON	
61	61	10-10-75	B. SAMPSON	
62	62	10-10-75	B. SAMPSON	
63	63	10-10-75	B. SAMPSON	
64	64	10-10-75	B. SAMPSON	
65	65	10-10-75	B. SAMPSON	
66	66	10-10-75	B. SAMPSON	
67	67	10-10-75	B. SAMPSON	
68	68	10-10-75	B. SAMPSON	
69	69	10-10-75	B. SAMPSON	
70	70	10-10-75	B. SAMPSON	
71	71	10-10-75	B. SAMPSON	
72	72	10-10-75	B. SAMPSON	
73	73	10-10-75	B. SAMPSON	
74	74	10-10-75	B. SAMPSON	
75	75	10-10-75	B. SAMPSON	
76	76	10-10-75	B. SAMPSON	
77	77	10-10-75	B. SAMPSON	
78	78	10-10-75	B. SAMPSON	
79	79	10-10-75	B. SAMPSON	
80	80	10-10-75	B. SAMPSON	
81	81	10-10-75	B. SAMPSON	
82	82	10-10-75	B. SAMPSON	
83	83	10-10-75	B. SAMPSON	
84	84	10-10-75	B. SAMPSON	
85	85	10-10-75	B. SAMPSON	
86	86	10-10-75	B. SAMPSON	
87	87	10-10-75	B. SAMPSON	
88	88	10-10-75	B. SAMPSON	
89	89	10-10-75	B. SAMPSON	
90	90	10-10-75	B. SAMPSON	
91	91	10-10-75	B. SAMPSON	
92	92	10-10-75	B. SAMPSON	
93	93	10-10-75	B. SAMPSON	
94	94	10-10-75	B. SAMPSON	
95	95	10-10-75	B. SAMPSON	
96	96	10-10-75	B. SAMPSON	
97	97	10-10-75	B. SAMPSON	
98	98	10-10-75	B. SAMPSON	
99	99	10-10-75	B. SAMPSON	
100	100	10-10-75	B. SAMPSON	

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLEDLL1-W Installation Procedure

F. Computability Selection:

Switches S4-1 and S4-7 allow the DLL1-W to be configured to replace DLL1-A, B, C, and D options in most applications.

DLL1-W Computability Switches

Selectable	Switch	Description
Break Bit	S4-1	Enabled in the ON position. Should be disabled (switch OFF) if replacing a DLL1-A, or DLL1-B should be enabled (switch ON) if replacing a DLL1-C or DLL1-D.
Error Bits	S4-7	Error bit reporting is enabled in the ON position. Should be disabled if replacing DLL1-A or DLL1-B, and should be enabled if replacing DLL1-C or DLL1-D.

Note: Both EIA level and current loop signals are available at the berg connector on the module. No selection is necessary. The proper cable will pick up the correct signals.

G. G8000 Installation:

For DLL1-W EIA operation, a positive voltage is required between 9 and 15 volts to operate the EIA drivers. For PDP-11/20 and PDP-11/15 systems with the H720 power supply, a G8000 module must be installed to provide this voltage. Using a filter network, this module converts the full-wave rectified "+8V" signal to a positive DC voltage.

1. Install G8000 into slot A02 or DD11-A.

2. Wire A03V2 to A02V2.

3. Wire A02N2 to CXX01 where XX is the slot location of the H7856.

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CONTINUATION SHEET

TITLEDLL1-W Installation Procedure

F. Computability Selection:

Switches S4-1 and S4-7 allow the DLL1-W to be configured to replace DLL1-A, B, C, and D options in most applications.

DLL1-W Computability Switches

Selectable	Switch	Description
Break Bit	S4-1	Enabled in the ON position. Should be disabled (switch OFF) if replacing a DLL1-A, or DLL1-B should be enabled (switch ON) if replacing a DLL1-C or DLL1-D.
Error Bits	S4-7	Error bit reporting is enabled in the ON position. Should be disabled if replacing DLL1-A or DLL1-B, and should be enabled if replacing DLL1-C or DLL1-D.

Note: Both EIA level and current loop signals are available at the berg connector on the module. No selection is necessary. The proper cable will pick up the correct signals.

G. G8000 Installation:

For DLL1-W EIA operation, a positive voltage is required between 9 and 15 volts to operate the EIA drivers. For PDP-11/20 and PDP-11/15 systems with the H720 power supply, a G8000 module must be installed to provide this voltage. Using a filter network, this module converts the full-wave rectified "+8V" signal to a positive DC voltage.

1. Install G8000 into slot A02 or DD11-A.

2. Wire A03V2 to A02V2.

3. Wire A02N2 to CXX01 where XX is the slot location of the H7856.

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TITLEDLL1-W Installation Procedure

H. DLL1-W Systems with +15V Available Using DD11-A

There is a special situation of using a DD11-A to mount a DLL1-W in systems with +15V available. These systems have +15V available, and it appears at pin A03V2 of the DD11-A when using power harness such as 7009177, 7008855, or 7008909. In this situation, no G8000 is necessary, and +15V can be wired directly from A03V2 to CXX01, where XX is the slot number of the DLL1.

I. When using the DLL1-W in an 11/05 processor pin CXX01 has +15V available on it so no G8000 or no jumpers are required.

J. INSTALLATION

The DLL1-W module plugs into an SPC slot. A wire must be installed to pick up the LTC L signal from the power supply and apply it to the line frequency input of the DLL1-W.

When installed, the LTC L input to the DLL1-W is located on pin CD1. Connect a length of 30 AWG wire from pin CD1 on the backplane to the pin on the backplane, as designated in Table 1-1, for each application.

Table 1-1 LTC L Connection

PDP Computer	Processor	Pin Number
11/04	RD11-D (4 slot)	C02D1, C03D1, C04D1
11/04	RD11-D (9 slot)	C02D1, C03D1, C04D1, C05D1, C06D1, C07D1, C08D1, or C09D1
11/05	KAll-A w/8K memory	C01D1, C02D1, C03D1, C04D1, or F08V2
11/05	RD11-A w/16K memory	C01D1 or F08V2
11/20	KAll	A13P2 or B12R1
11/34	RD11-E	C03D1, C04D1, C05D1, C06D1, C07D1, C08D1, or C09D1
11/35	RD11-A	F03R1 or C09D1
11/40	RD11-A	C26D1, C27D1, or C28D1
11/45	KB11-A	C26D1, C27D1, or C28D1
11/55	KB11-D	C26D1, C27D1, or C28D1
11/70	KB11-B	C40D1, C41D1, C42D1, C43D1, or C44D1
11/70	KB11-C	C40D1, C41D1, C42D1, C43D1, or C44D1
DD11-B Peripheral Mounting Panel		C01D1, C02D1, C03D1, or C04D1
DD11-D Peripheral Mounting Panel		C01D1, C02D1, C03D1, C04D1, C05D1, C06D1, C07D1, C08D1, C09D1 A03P2
DD11-A Peripheral Mounting Panel		

NOTE: A wire connection is not necessary for backplane pin numbers ending in D1. LTC L is already connected to the line frequency input of the DLL1-W.

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CONTINUATION SHEET

TITLEDLL1-W Installation Procedure

K. Installation

The DLL1-W module plugs into an SPC slot. A wire must be installed to pick up the DC10L signal from the power supply and apply it to the DC10L input of the DLL1-W.

When installed, the DC10L input to the DLL1-W is located on pin C01. Connect a length of 30 AWG wire from pin C01 on the backplane to the pin on the backplane, as designated in Table 1-2 for each application.

Table 1-2 DC10L Connection

PDP Computer	Processor	Pin Number
11/04*	RD11-D (4 slot)	C03M1, C04M1
11/04*	RD11-D (9 slot)	C03M1 thru C09M1
11/05*	KAll-A w/8K Memory	C01M1, C02M1, C03M1, C04M1
11/05*	RD11-A w/16K Memory	C01M1
11/20	KAll	B11P2, B14P2, A13S2, A08S2, A03S2, B04D2, F06S2
11/34*	RD11-E	C03M1 thru C09M1
11/35	RD11-A	C03M1
11/40	RD11-A	C03M1
11/45*	RD11-A	C26M1, C26M1, C26M1
11/55*	KB11-D	C26M1, C26M1, C26M1
11/70*	KB11-B	C40M1, C41M1, C42M1, C43M1, C44M1
11/70*	KB11-C	C40M1, C41M1, C42M1, C43M1, C44M1
DD11-B Peripheral Mounting Panel		C01M1 thru C04M1
DD11-D Peripheral Mounting Panel		C01M1 thru C09M1
DD11-A Peripheral Mounting Panel		B01P2, B04P2, A03S2

*NOTE: A wire connection is not necessary for backplane pin numbers ending in M1 DC10L. Is already connected to the input of the DLL1-W.

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