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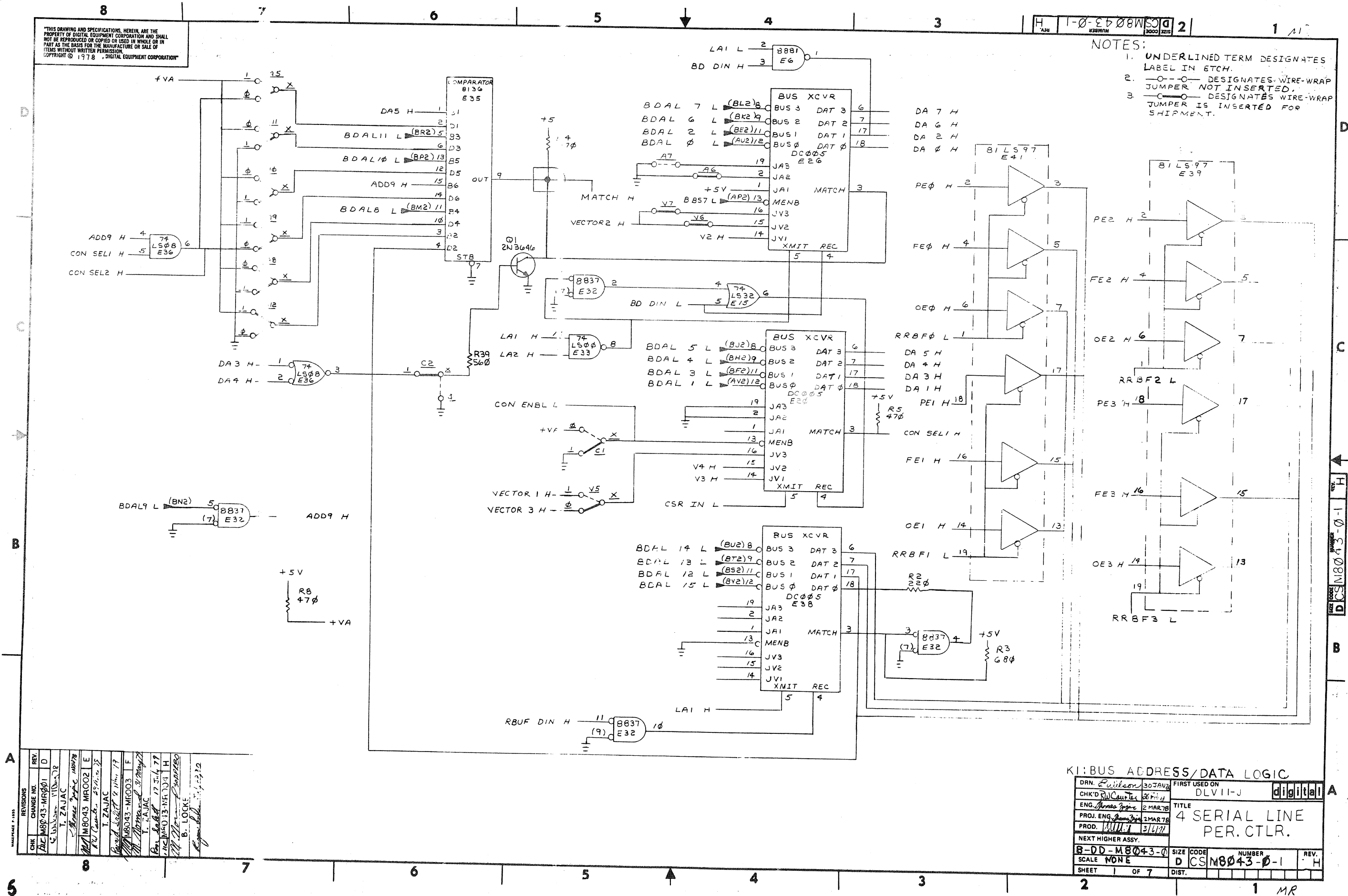
<b>DIGITAL EQUIPMENT CORPORATION</b> <b>MAYNARD, MASSACHUSETTS</b> <b>PARTS LIST</b>		
MADE BY <i>M. Normand</i>	CHECKED <i>R W Caunter</i>	SECTION
DATE <i>28 Feb 78</i>	DATE <i>28 Feb 78</i>	1
ENG <i>Thomas Zajac</i>	PROD	ISSUED SECT.
DATE <i>2 MAR 78</i>	DATE <i>Mar 10 3 47 PM</i>	1

[illegible][illegible]**DIST**



[illegible]





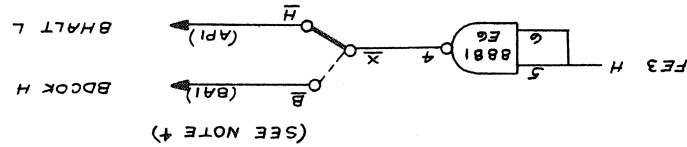
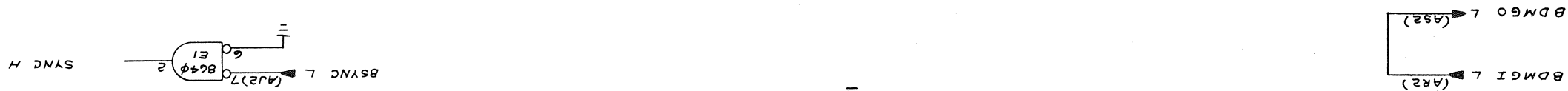
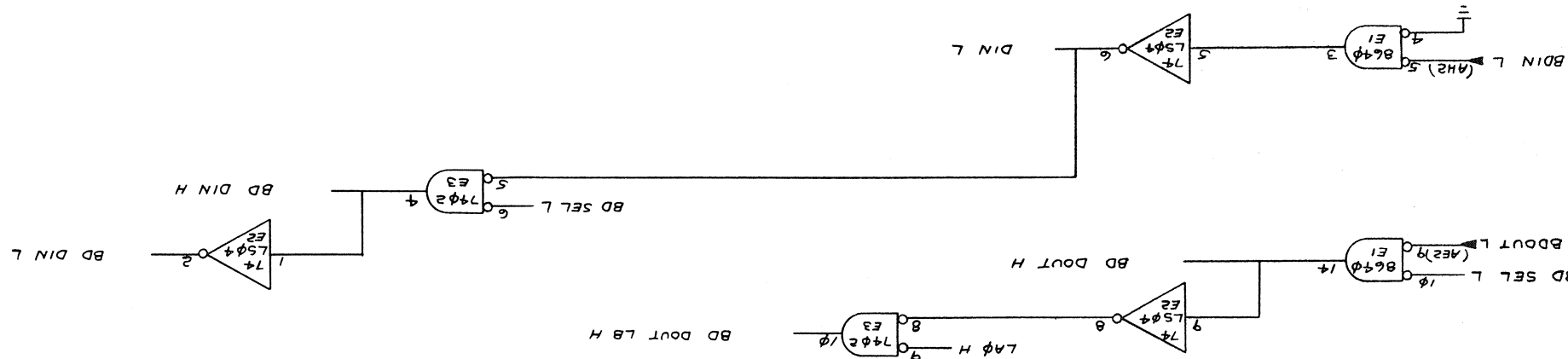
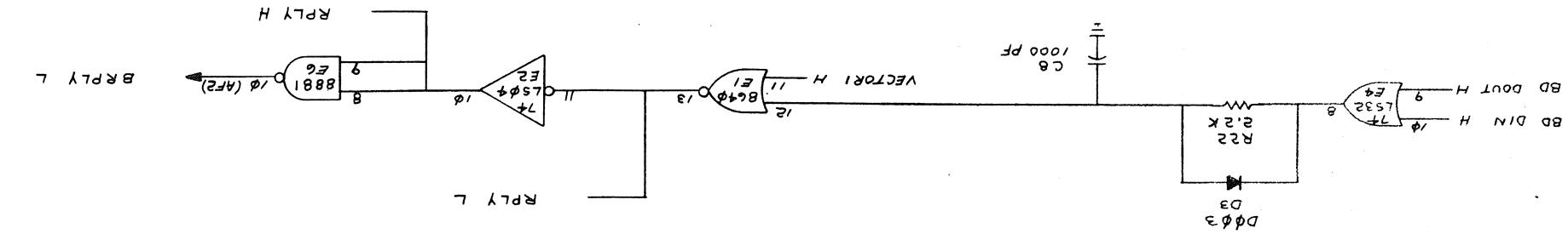
K1: BUS ADDRESS/DATA LOGIC		FIRST USED ON		DLV11-J		digit	
DRN. <i>Quilborn</i>		30 JAN 72		TITLE		4 SERIAL LINE	
CHK'D <i>RWCarter</i>		26 FEB 72		PER. CTLR.			
ENG. <i>James J. Jr.</i>		2 MAR 72					
PROJ. ENG. <i>James J. Jr.</i>		2 MAR 72					
PROD. <i>1001-1</i>		3/6/72					
NEXT HIGHER ASSY.							
R-DD-MB043-0				SIZE CODE		NUMBER	
SCALE NONE				D CS		MB043-0-1	
SHEET 1 OF 7				DIST.		REV. H	



REV.	CHANGE NO.	CHK.

REV.	NUMBER	SIZE CODE	TITLE
H	DCS M8043-0-1	D	PER. CTRL. SERIAL LINE

K2: CONTROL AND HALT/BOOT LOGIC



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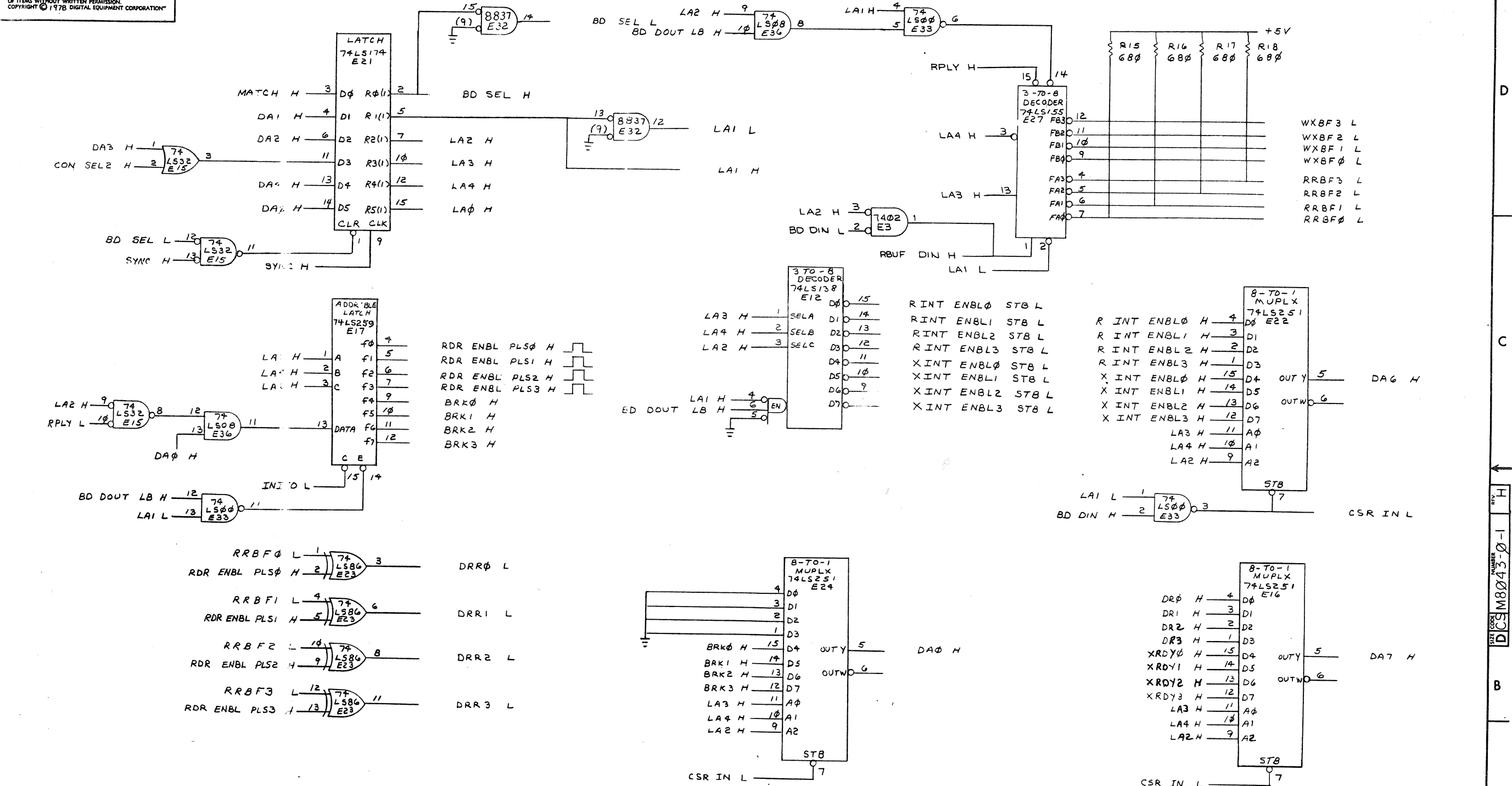
NOTES:  
4. TO ENABLE HALT ON RECEIVING BREAK, CONNECT X TO H.  
TO ENABLE BOOT ON RECEIVING BREAK, CONNECT X TO B.

REV.	NUMBER	SIZE CODE	TITLE
H	DCS M8043-0-1	D	PER. CTRL. SERIAL LINE

MR



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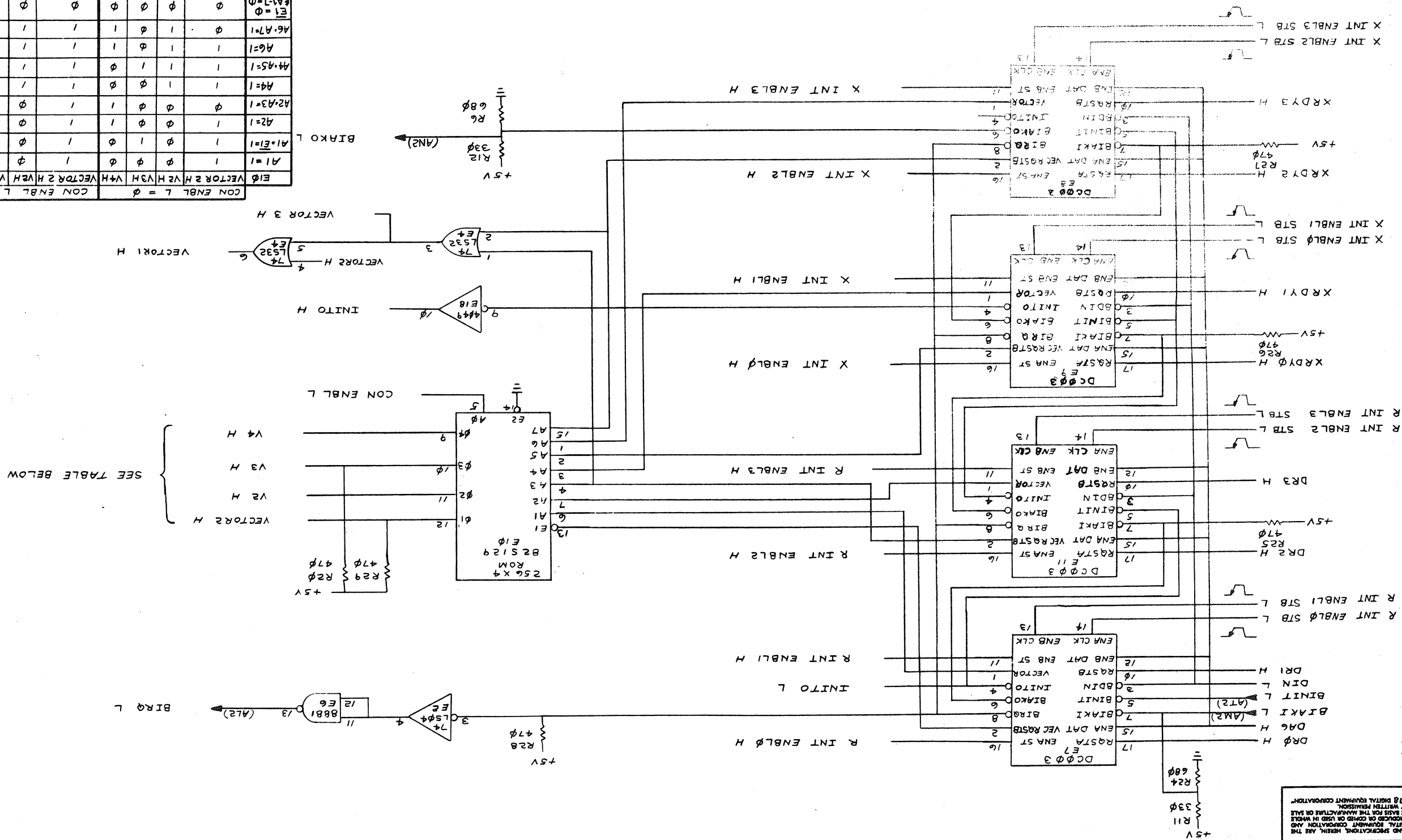


K3: ADDRESS LATCH AND REGISTER LOGIC

TITLE	SIZE CODE	NUMBER	REV.
4 SERIAL LINE PER. CTRL.	DCS M8043-0-1	H	
SCALE NONE	SHEET 3 OF 7	DIST.	

CHK	CHANGE NO.	REV.



[illegible]

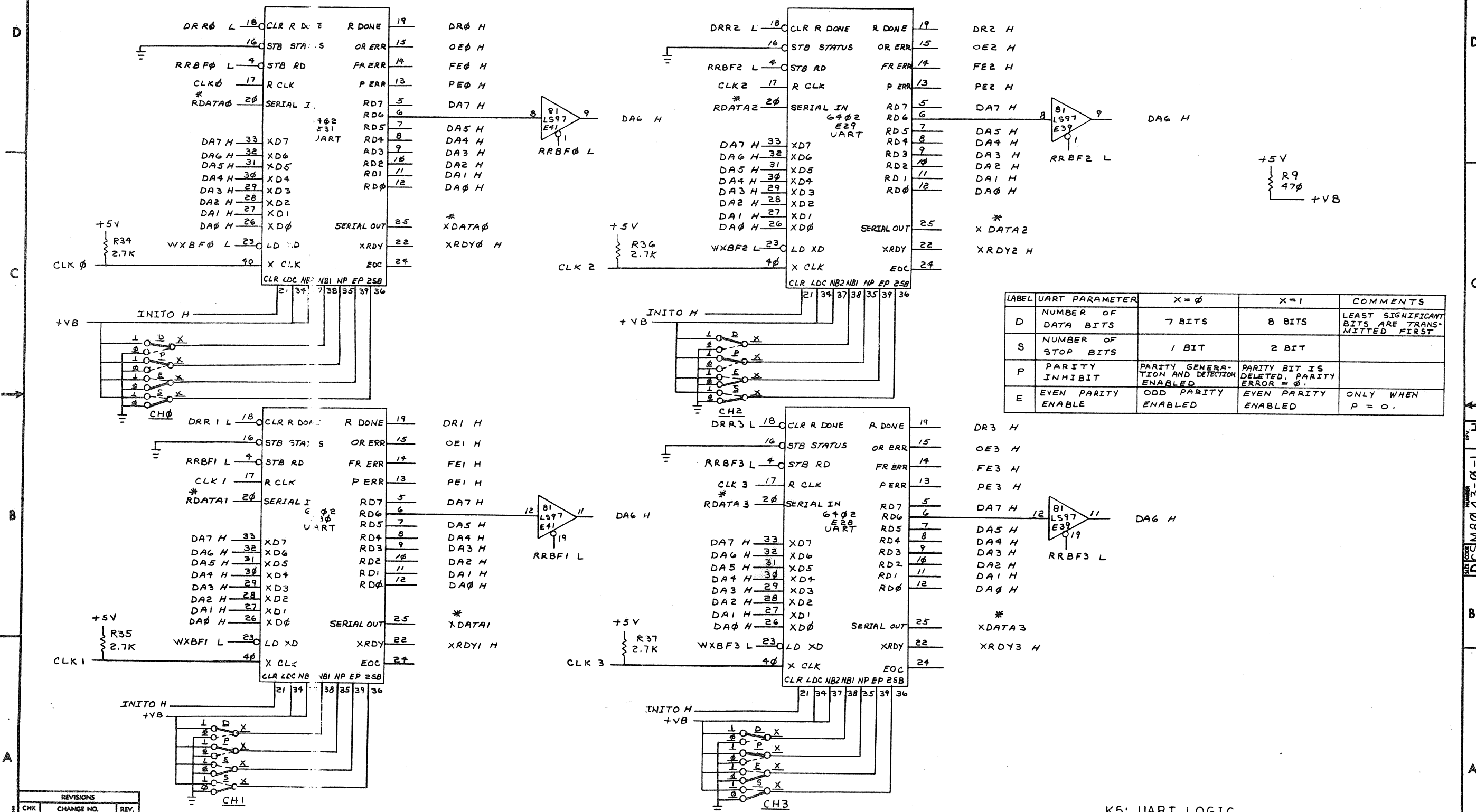
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# NOTES:

\* 5. VHIGH = MARK = 1  
VLOW = SPACE = 0



LABEL	UART PARAMETER	X = 0	X = 1	COMMENTS
D	NUMBER OF DATA BITS	7 BITS	8 BITS	LEAST SIGNIFICANT BITS ARE TRANSMITTED FIRST
S	NUMBER OF STOP BITS	1 BIT	2 BIT	
P	PARITY INHIBIT	PARITY GENERATION AND DETECTION ENABLED	PARITY BIT IS DELETED, PARITY ERROR = 0	
E	EVEN PARITY ENABLE	ODD PARITY ENABLED	EVEN PARITY ENABLED	ONLY WHEN P = 0

K5: UART LOGIC

TITLE	4 SERIAL LINE PER. CTRL.	SIZE	CODE	NUMBER	REV.
SCALE	NONE	SHEET	5 OF 7	DIST.	

DCS M8043-0-1

B

A

MR



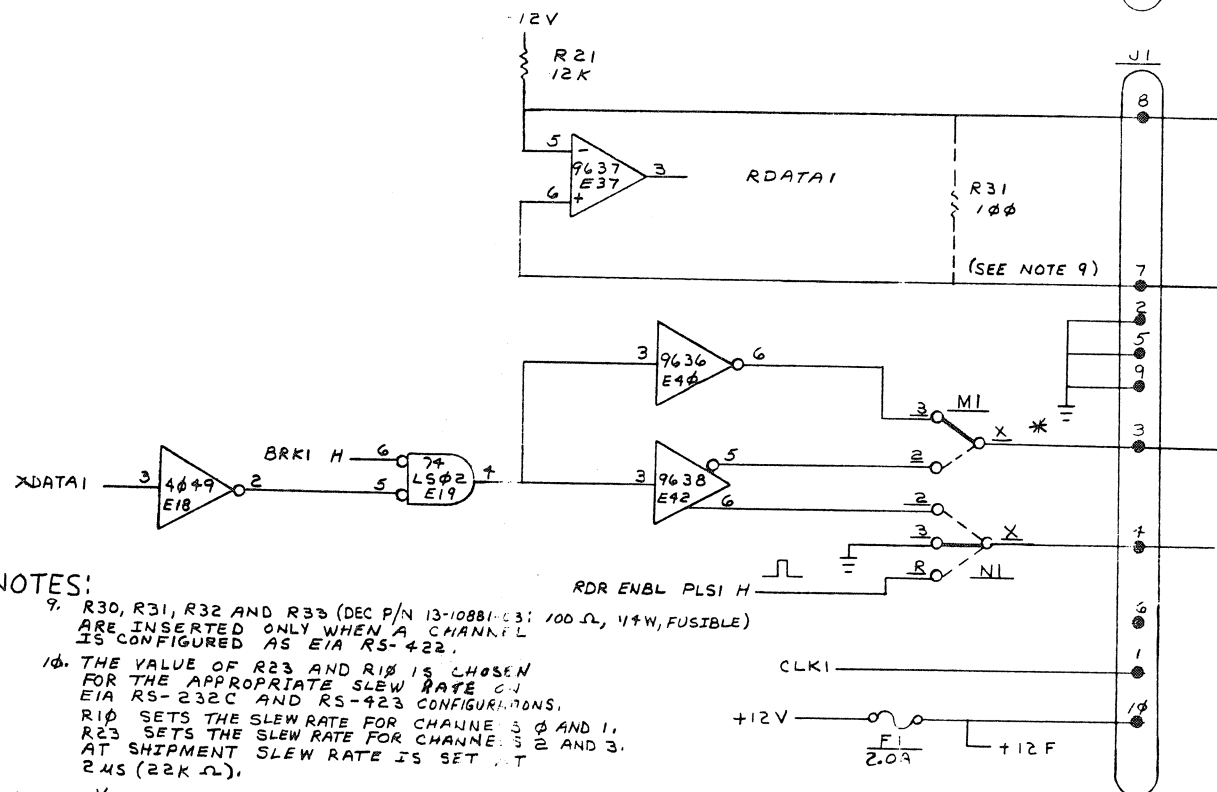
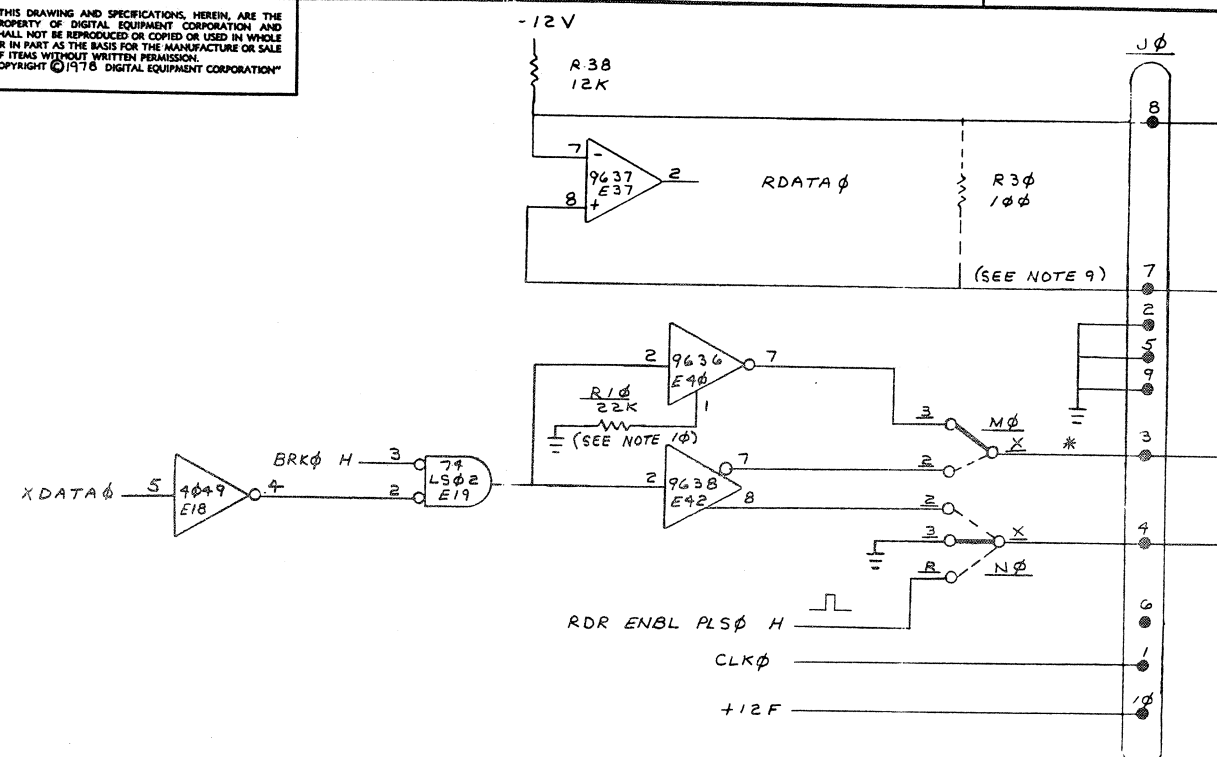
K6: PWR DIST, BAUD RATE GEN & -12V CIRCUITRY

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NOTES:  
 1. CLK0-3 ARE WIREWRAP JUMPER TO REQUIRED BAUD RATE REMOVED FOR MFG. TESTING ONLY.  
 2. UNLESS OTHERWISE SPECIFIED, THE FOLLOWING PIN NUMBERS APPLY:  
 3. PACKAGE GND +5V +12V -12V  
 4. 14 PIN DIP 7  
 5. 16 PIN DIP 8  
 6. 18 PIN DIP 9  
 7. 20 PIN DIP 10  
 8. 24 PIN DIP 11  
 9. 28 PIN DIP 12  
 10. 32 PIN DIP 13  
 11. 36 PIN DIP 14  
 12. 40 PIN DIP 15  
 13. 44 PIN DIP 16  
 14. 48 PIN DIP 17  
 15. 52 PIN DIP 18  
 16. 56 PIN DIP 19  
 17. 60 PIN DIP 20  
 18. 64 PIN DIP 21  
 19. 68 PIN DIP 22  
 20. 72 PIN DIP 23  
 21. 76 PIN DIP 24  
 22. 80 PIN DIP 25  
 23. 84 PIN DIP 26  
 24. 88 PIN DIP 27  
 25. 92 PIN DIP 28  
 26. 96 PIN DIP 29  
 27. 100 PIN DIP 30  
 28. 104 PIN DIP 31  
 29. 108 PIN DIP 32  
 30. 112 PIN DIP 33  
 31. 116 PIN DIP 34  
 32. 120 PIN DIP 35  
 33. 124 PIN DIP 36  
 34. 128 PIN DIP 37  
 35. 132 PIN DIP 38  
 36. 136 PIN DIP 39  
 37. 140 PIN DIP 40  
 38. 144 PIN DIP 41  
 39. 148 PIN DIP 42  
 40. 152 PIN DIP 43  
 41. 156 PIN DIP 44  
 42. 160 PIN DIP 45  
 43. 164 PIN DIP 46  
 44. 168 PIN DIP 47  
 45. 172 PIN DIP 48  
 46. 176 PIN DIP 49  
 47. 180 PIN DIP 50  
 48. 184 PIN DIP 51  
 49. 188 PIN DIP 52  
 50. 192 PIN DIP 53  
 51. 196 PIN DIP 54  
 52. 200 PIN DIP 55  
 53. 204 PIN DIP 56  
 54. 208 PIN DIP 57  
 55. 212 PIN DIP 58  
 56. 216 PIN DIP 59  
 57. 220 PIN DIP 60  
 58. 224 PIN DIP 61  
 59. 228 PIN DIP 62  
 60. 232 PIN DIP 63  
 61. 236 PIN DIP 64  
 62. 240 PIN DIP 65  
 63. 244 PIN DIP 66  
 64. 248 PIN DIP 67  
 65. 252 PIN DIP 68  
 66. 256 PIN DIP 69  
 67. 260 PIN DIP 70  
 68. 264 PIN DIP 71  
 69. 268 PIN DIP 72  
 70. 272 PIN DIP 73  
 71. 276 PIN DIP 74  
 72. 280 PIN DIP 75  
 73. 284 PIN DIP 76  
 74. 288 PIN DIP 77  
 75. 292 PIN DIP 78  
 76. 296 PIN DIP 79  
 77. 300 PIN DIP 80  
 78. 304 PIN DIP 81  
 79. 308 PIN DIP 82  
 80. 312 PIN DIP 83  
 81. 316 PIN DIP 84  
 82. 320 PIN DIP 85  
 83. 324 PIN DIP 86  
 84. 328 PIN DIP 87  
 85. 332 PIN DIP 88  
 86. 336 PIN DIP 89  
 87. 340 PIN DIP 90  
 88. 344 PIN DIP 91  
 89. 348 PIN DIP 92  
 90. 352 PIN DIP 93  
 91. 356 PIN DIP 94  
 92. 360 PIN DIP 95  
 93. 364 PIN DIP 96  
 94. 368 PIN DIP 97  
 95. 372 PIN DIP 98  
 96. 376 PIN DIP 99  
 97. 380 PIN DIP 100  
 98. 384 PIN DIP 101  
 99. 388 PIN DIP 102  
 100. 392 PIN DIP 103  
 101. 396 PIN DIP 104  
 102. 400 PIN DIP 105  
 103. 404 PIN DIP 106  
 104. 408 PIN DIP 107  
 105. 412 PIN DIP 108  
 106. 416 PIN DIP 109  
 107. 420 PIN DIP 110  
 108. 424 PIN DIP 111  
 109. 428 PIN DIP 112  
 110. 432 PIN DIP 113  
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 114. 448 PIN DIP 117  
 115. 452 PIN DIP 118  
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 117. 460 PIN DIP 120  
 118. 464 PIN DIP 121  
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 121. 476 PIN DIP 124  
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 162. 640 PIN DIP 165  
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 167. 660 PIN DIP 170  
 168. 664 PIN DIP 171  
 169. 668 PIN DIP 172  
 170. 672 PIN DIP 173  
 171. 676 PIN DIP 174  
 172. 680 PIN DIP 175  
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 174. 688 PIN DIP 177  
 175. 692 PIN DIP 178  
 176. 696 PIN DIP 179  
 177. 700 PIN DIP 180  
 178. 704 PIN DIP 181  
 179. 708 PIN DIP 182  
 180. 712 PIN DIP 183  
 181. 716 PIN DIP 184  
 182. 720 PIN DIP 185  
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 193. 764 PIN DIP 196  
 194. 768 PIN DIP 197  
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 196. 776 PIN DIP 199  
 197. 780 PIN DIP 200  
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 200. 792 PIN DIP 203  
 201. 796 PIN DIP 204  
 202. 800 PIN DIP 205  
 203. 804 PIN DIP 206  
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 561. 2236 PIN DIP 564  
 562. 2240 PIN DIP 565  
 563. 2244 PIN DIP 566  
 564. 2248 PIN DIP 567  
 565. 2252 PIN DIP 568  
 566. 2256 PIN DIP 569  
 567. 2260 PIN DIP 570  
 568. 2264 PIN DIP 571  
 569. 2268 PIN DIP 572  
 570. 2272 PIN DIP 573  
 571. 2276 PIN DIP 574  
 572. 2280 PIN DIP 575  
 573. 2284 PIN DIP 576  
 574. 2288 PIN DIP 577  
 575. 2292 PIN DIP 578  
 576. 2296 PIN DIP 579  
 577. 2300 PIN DIP 580  
 578. 2304 PIN DIP 581  
 579. 2308 PIN DIP 582  
 580. 2312 PIN DIP 583  
 581. 2316 PIN DIP 584  
 582. 2320 PIN DIP 585  
 583. 2324 PIN DIP 586  
 584. 2328 PIN DIP 587  
 585. 2332 PIN DIP 588  
 586. 2336 PIN DIP 589  
 587. 2340 PIN DIP 590  
 588. 2344 PIN DIP 591  
 589. 2348 PIN DIP 592  
 590. 2352 PIN DIP 593  
 591. 2356 PIN DIP 594  
 592. 2360 PIN DIP 595  
 593. 2364 PIN DIP 596  
 594. 2368 PIN DIP 597  
 595. 2372 PIN DIP 598  
 596. 2376 PIN DIP 599  
 597. 2380 PIN DIP 600  
 598. 2384 PIN DIP 601  
 599. 2388 PIN DIP 602  
 600. 2392 PIN DIP 603  
 601. 2396 PIN DIP 604  
 602. 2400 PIN DIP 605  
 603. 2404 PIN DIP 606  
 604. 2408 PIN DIP 607  
 605. 2412 PIN DIP 608  
 606. 2416 PIN DIP 609  
 607. 2420 PIN DIP 610  
 608. 2424 PIN DIP 611  
 609. 2428 PIN DIP 612  
 610. 2432 PIN DIP 613  
 611. 2436 PIN DIP 614  
 612. 2440 PIN DIP 615  
 613. 2444 PIN DIP 616  
 614. 2448 PIN DIP 617  
 615. 2452 PIN DIP 618  
 616. 2456 PIN DIP 619  
 617. 2460 PIN DIP 620  
 618. 2464 PIN DIP 621  
 619. 2468 PIN DIP 622  
 620. 2472 PIN DIP 623  
 621. 2476 PIN DIP 624  
 622. 2480 PIN DIP 625  
 623. 2484 PIN DIP 626  
 624.



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# NOTES:

9. R30, R31, R32 AND R33 (DEC P/N 13-10881-03; 100  $\Omega$ , 1/4W, FUSIBLE) ARE INSERTED ONLY WHEN A CHANNEL IS CONFIGURED AS EIA RS-422.
10. THE VALUE OF R23 AND R10 IS CHOSEN FOR THE APPROPRIATE SLEW RATE OF EIA RS-232C AND RS-423 CONFIGURATIONS. R10 SETS THE SLEW RATE FOR CHANNELS 0 AND 1. R23 SETS THE SLEW RATE FOR CHANNELS 2 AND 3. AT SHIPMENT SLEW RATE IS SET AT 245 (22K  $\Omega$ ).

\* 11.  $\nabla$  LOW = MARK = 1  
 $\nabla$  HIGH = SPACE = 0

RCV DATA0 +

RCV DATA0 -

XMT DATA0 +

XMT DATA0 -

KEY (NO PIN)

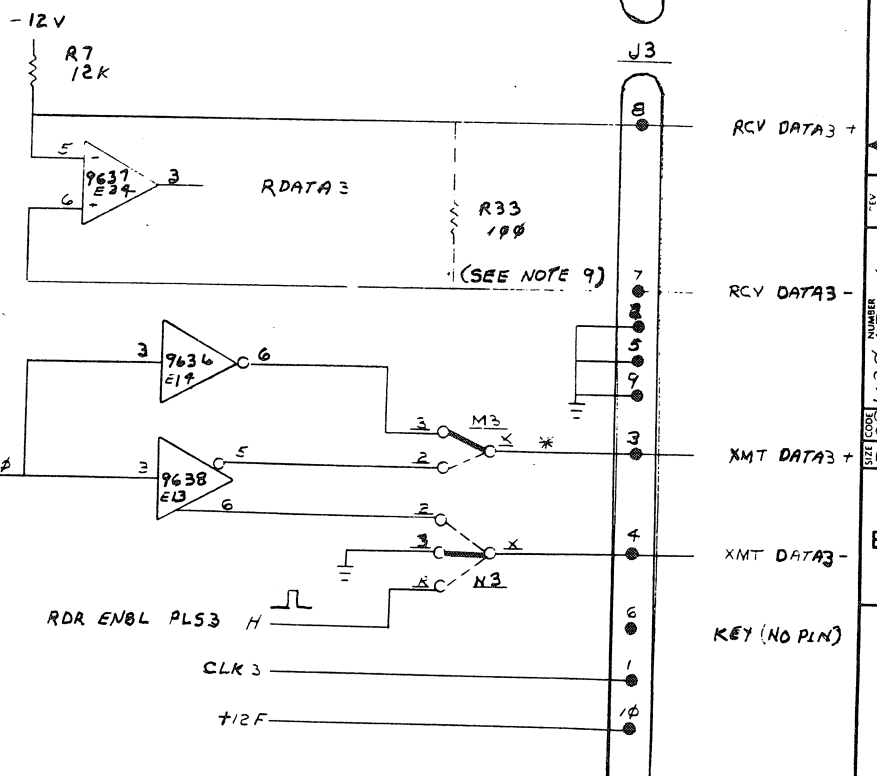
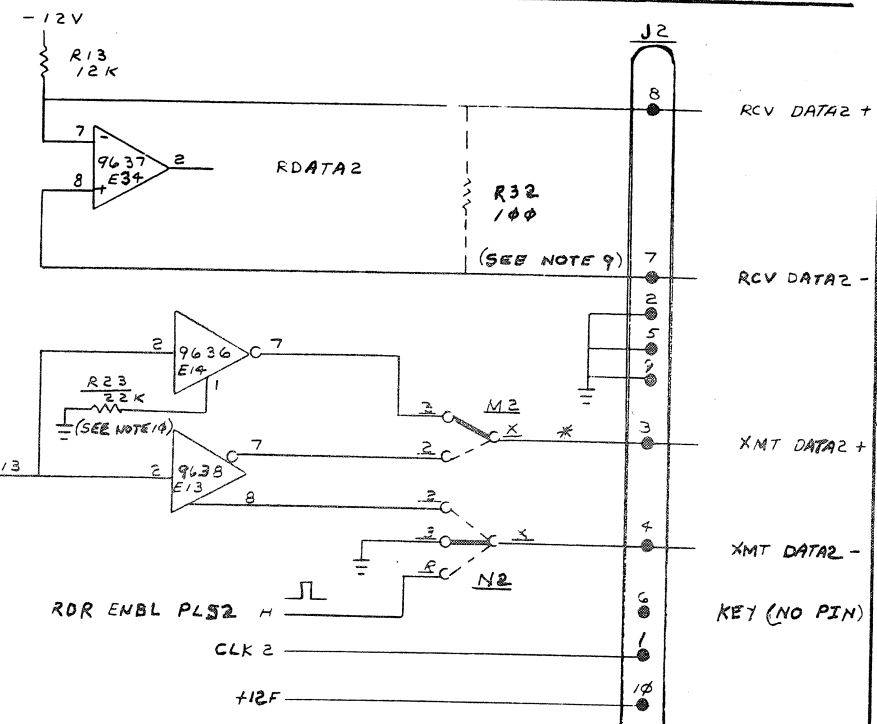
RCV DATA1 +

RCV DATA1 -

XMT DATA1 +

XMT DATA1 -

KEY (NO PIN)



K7: LINE INPUT/OUTPUT LOGIC

TITLE		SIZE	CODE	NUMBER	REV.
4 SERIAL LINE PER CLR.		DCS	M8043-0-1	H	
SCALE		SHEET		DIST.	
NONE		7 OF 7			



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 OF THE FBI

NOTES: 1. R3E THRU R33 OPTIONAL  
2. CASE OF M1 MUST BE INSULATED  
FROM PCB WITH ITEM #53  
3. 5 DESIGNATES WIRE WHAT  
JUMPER (ITEM #56) INSULATED  
FOR SHIELDING

CHICKCHANGE NO	REV
MP MB003-MR03	E
<p> <i>6/11/84</i>    1502-78  T. ZAJAC  <i>Feb. 20/84</i>    17 Jul 79  MB003-MR4    F  <i>Mr. Mowand 29 Jul 80</i>  BRYAN LOOKE  <i>Chas. E. M. Yates, MD</i> </p>	

IN-LINE)

ON UA

TO-92

BEND MIDDLE LEAD OUT

FOR TO 18 PKG (METAL CAN)

TO-18

ON UA

+

+

+

+

+

+

FOR TO-105/106 PKG (ROUND TOP PLASTIC)

TO-105/106

FLAT

ON UA

+

+

+

+

+

+

LEAD IN TRIANGULAR PATTERN

Δ PAT

FLAT

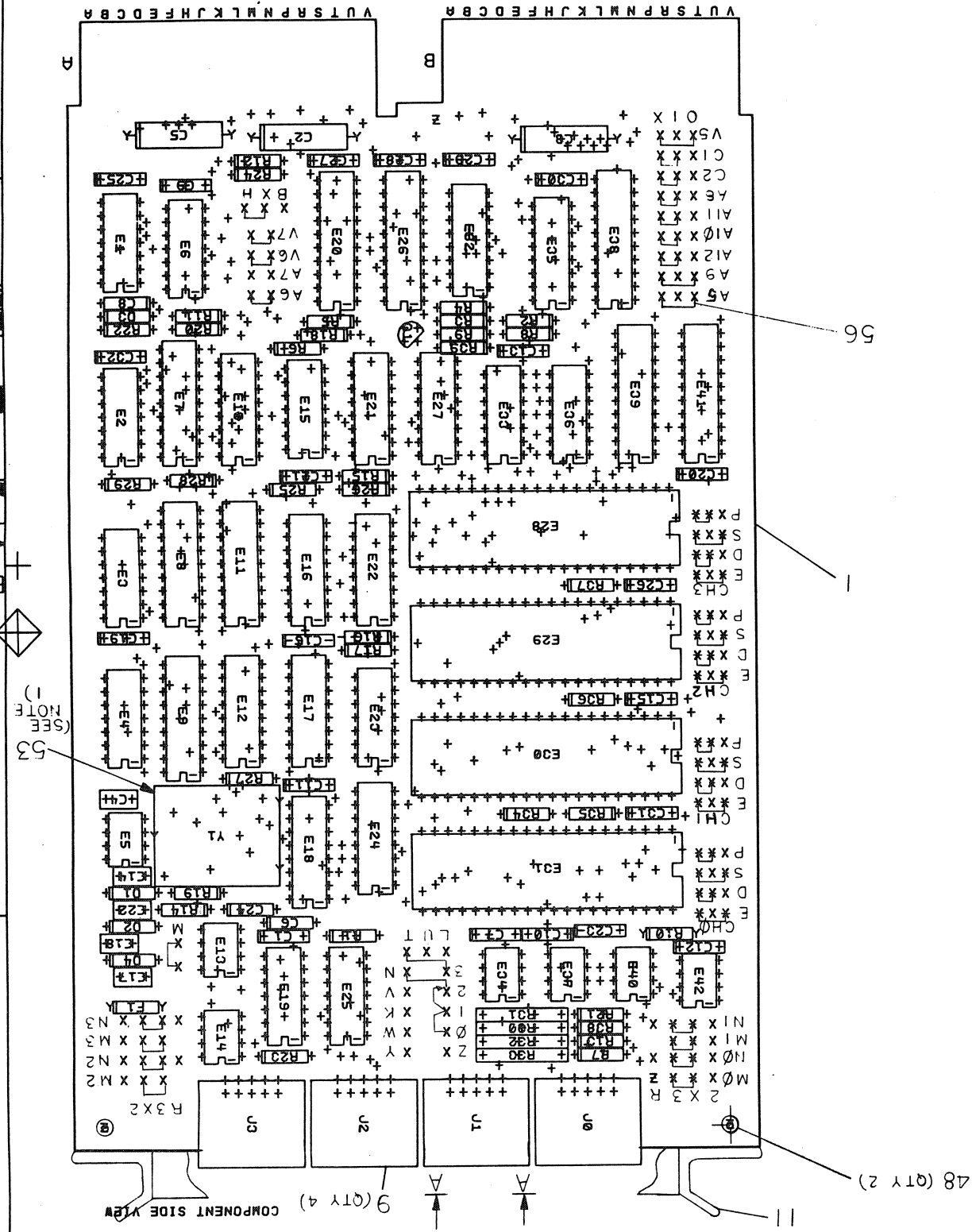
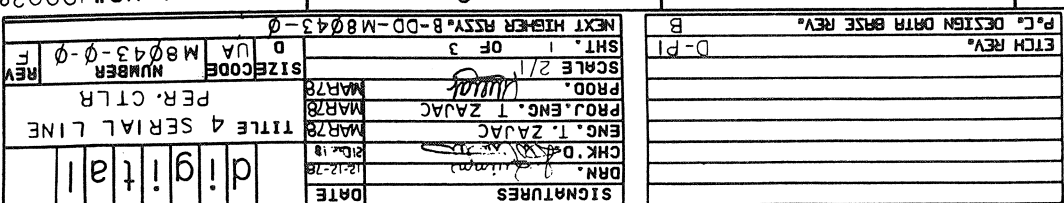
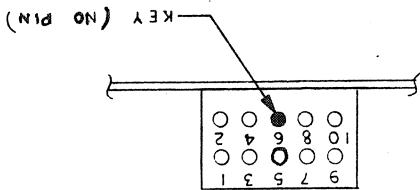
NOTE: DIFFERENCE

TO-92

VS

Δ PAT

NOTES:  
1. PLACEMENT OF Q1 FOR TO 92(LEADS  
DETAIL A-A 4 PLACES



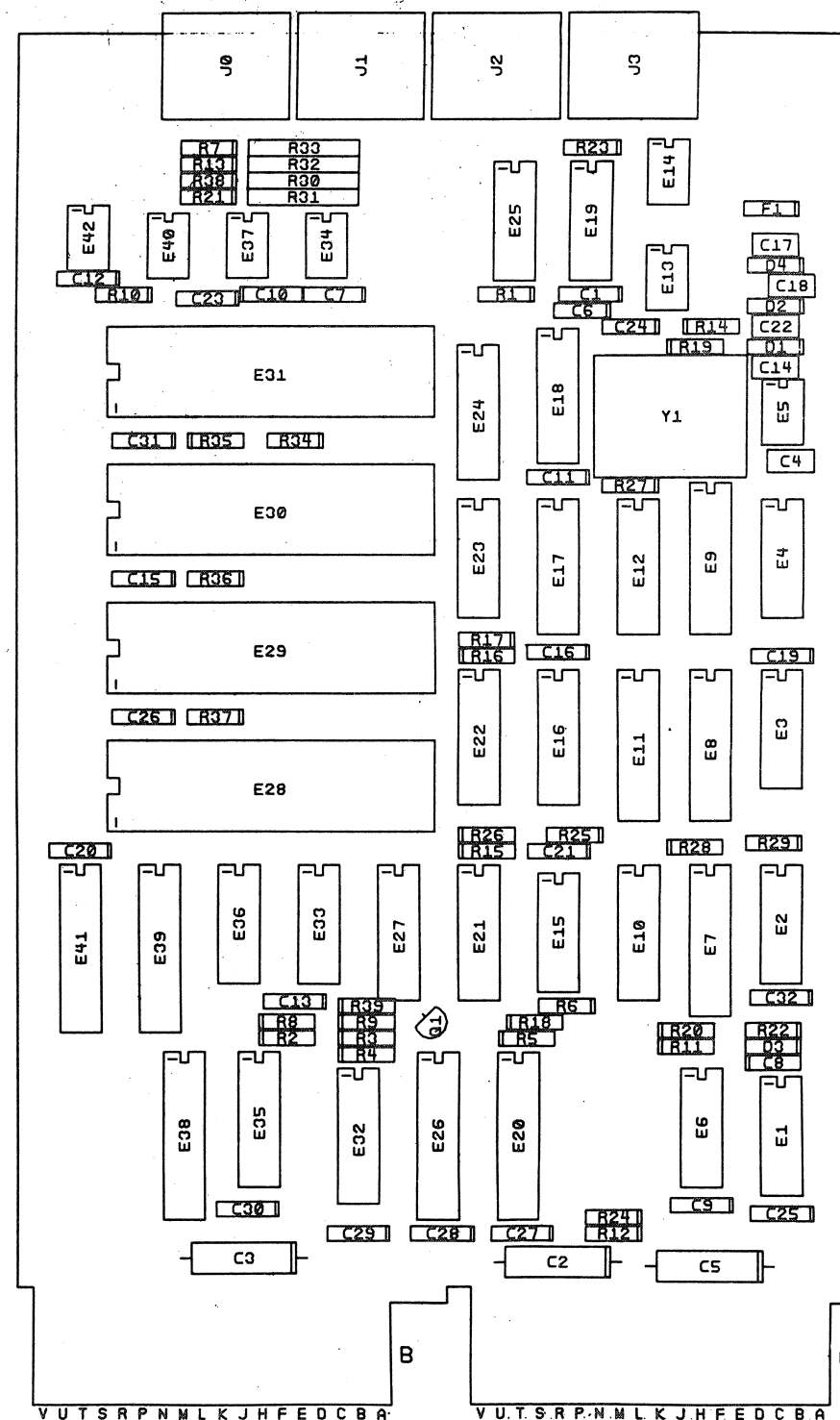
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NOTES:


CHANGE NO. REV



SIGNATURES		DATE	digital
DRN.			
CHK'D.			
ENG.			
PROJ. ENG.			
PROD.			TITLE 4 SERIAL LINE
SCALE 2/1			PER. CTRL
SHT. 2 OF 3			SIZE CODE NUMBER
NEXT HIGHER ASSY. B-DD-M8043-0			D UA M8043-0-0 F

MR 1 MS#



