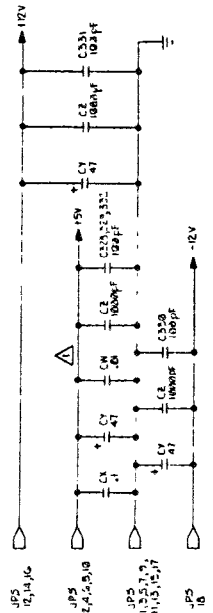
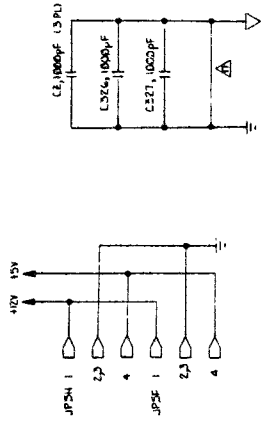


**NOTES: UNLESS OTHERWISE SPECIFIED**

- 1. ON CAPS ARE USED NEAR I.C.'S WITH 40 MHz.
- 2. PINS W SHOULD CONNECT TO -24V PINS 1 TO -12V.
- 3. THESE GATES MUST BE IN THE SAME PACKAGE (PAGES 3, 16) (LAYOUT).
- 4. ALL OUTPUT TRACES ON THIS LAYER SHOULD BE AS SHORT AS POSSIBLE. (LAYOUT)
- 5. SHOULD BE A SHORT TRACE AND NO HIGH FREQUENCY TRACE NEARBY. (LAYOUT)
- 6. STUFFING OPTIONS: MINI RESISTOR STUFF PINS (NOT PINS). C308 SHOULD BE 27PF. WIREWOUND STUFF PINS (NOT PINS). C308 SHOULD BE 54PF.
- 7. MPS 4250 IS AN ALTERNATE PART.
- 8. THESE COMPONENTS ARE ONLY TO BE STUFFED WHEN USING CONTAINERS OTHER THAN 100-177.
- 9. DELETED
- 10. INSERT ONLY FOR 754A 754A CHIPS. ALSO CUT TRACE BETWEEN E2 AND E3 AND ADD JUM FROM E1 TO E2.
- 11. THESE CAPACITORS SHOULD BE LOCATED NEXT TO T1 AND T2. (LAYOUT)
- 12. HEAVY TRACE LINES INDICATE 25 MIL TRACES, 50 MIL AIR GAP. (LAYOUT)
- 13. ALL 1/2W RESISTORS SHOULD BE FUSIBLE AND NON-FLAMMABLE.
- 14. ALL 1/4W RESISTORS ARE TO BE NON-FLAMMABLE.
- 15.  $\nabla$  INDICATES ANALOG GROUND.
- 16.  $\nabla$  INDICATES DIGITAL GROUND.
- 17. ALL RELAYS ARE SHOWN AS DEACTIVATED.
- 18. CAPACITORS INDICATED SHOULD BE AS CLOSE TO I.C.'S AS POSSIBLE. (LAYOUT)
- 19. ANALOG GROUND. (LAYOUT)
- 20. 42V AND -12V TO BE CONNECTED ONLY FROM SUPPLY ORIGIN. (LAYOUT)
- 21. SPEAKER MOUNTED ON MAIN-CASE. (LAYOUT)
- 22.  $\nabla$  INDICATES CHASSIS GROUND.
- 23. ALL 1/4W RESISTORS ARE 1/4W.
- 24. ALL 1/2W RESISTORS ARE 1/4W.
- 25. CAPACITOR VALUES ARE IN MICROFARADS.



DEVICE	REFERENCE DESIGNATION	QTY
74LS132	13H	1
74F10	13M	1
74F20	24N	2
74LS27	24M	2
74F24	25G	2
74S24	27N	1
74S12	21E	1
74S51	12H	1
74LS173	20D	1
74LS132	24F	2
LM395	10	1
1457	10P	1

REFERENCE DESIGNATIONS	NOT USED
C377	13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
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**INCHES**

DATE: 11/15/77

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

CONVERT TECHNOLOGIES

SCHEMATIC: 54, CPU

Part: D-0A-00222-00

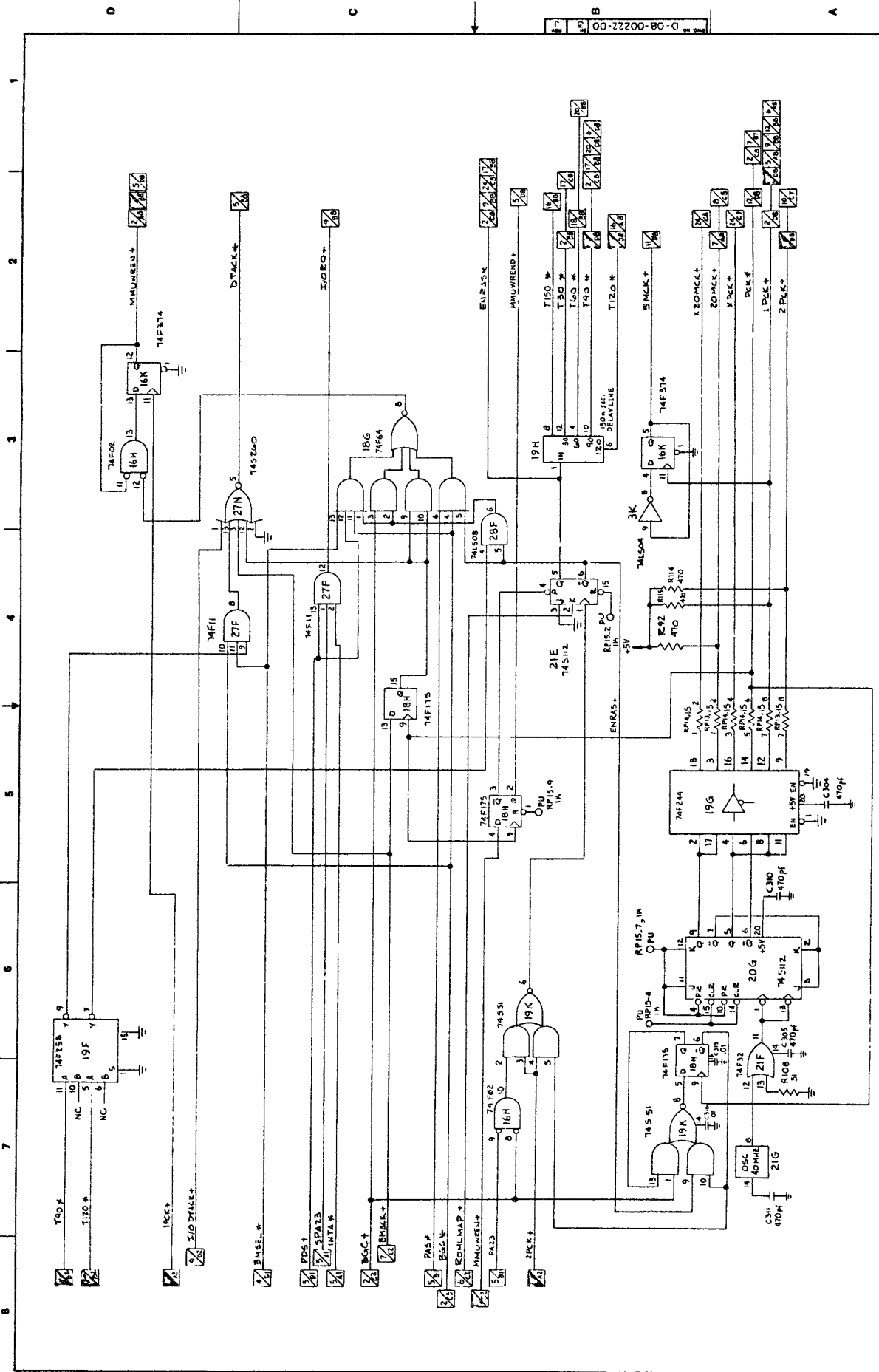
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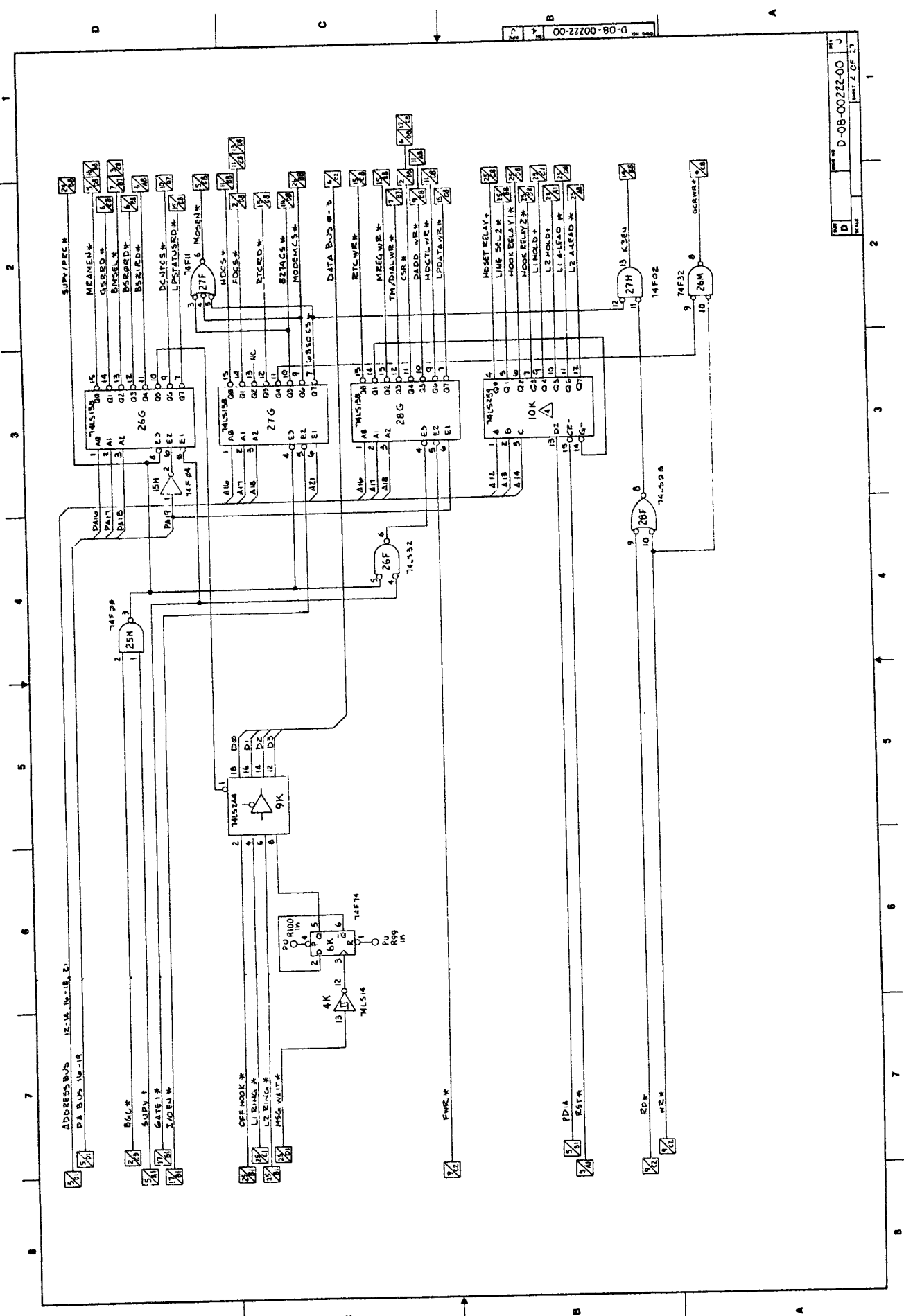
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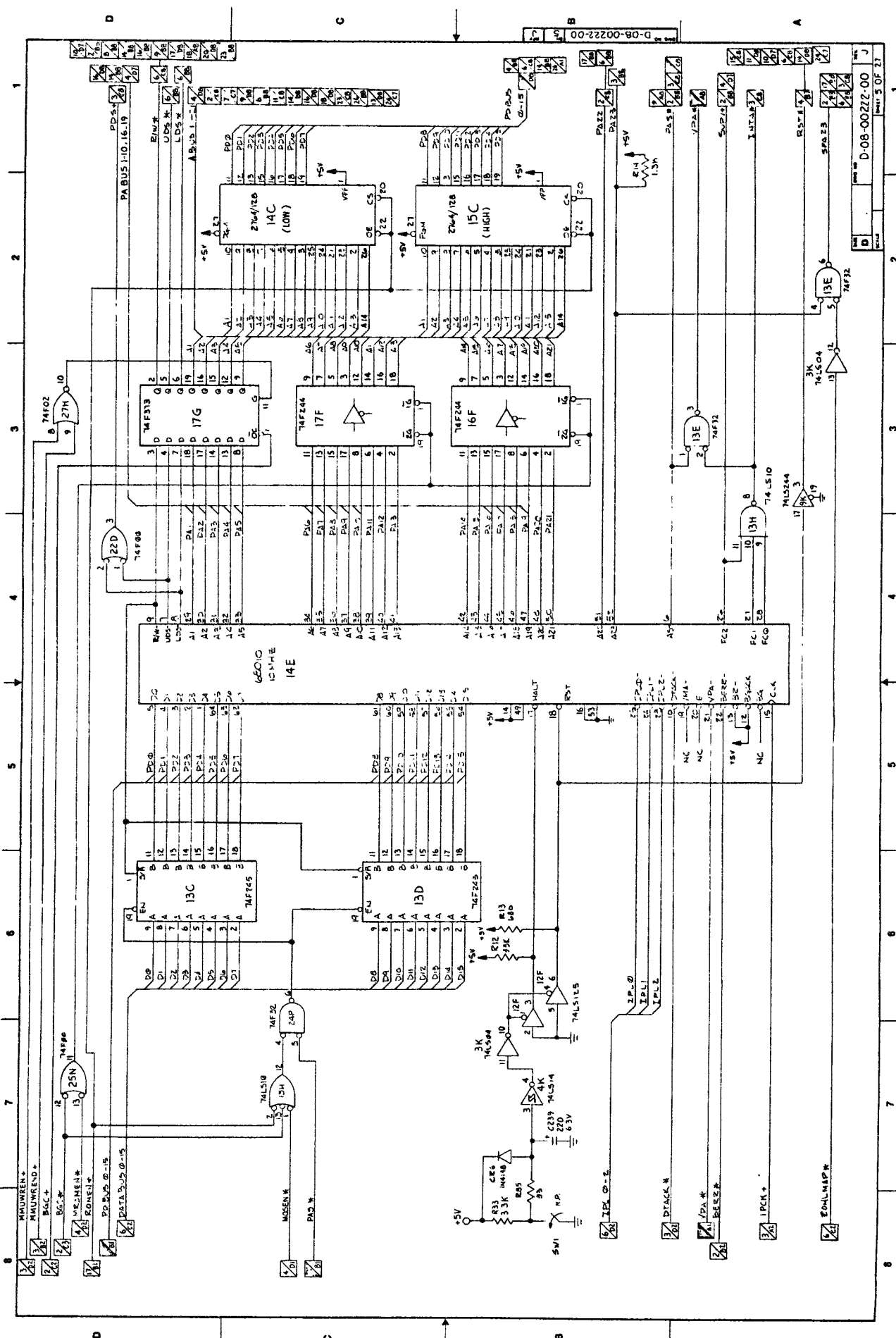




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PART 2 OF 2

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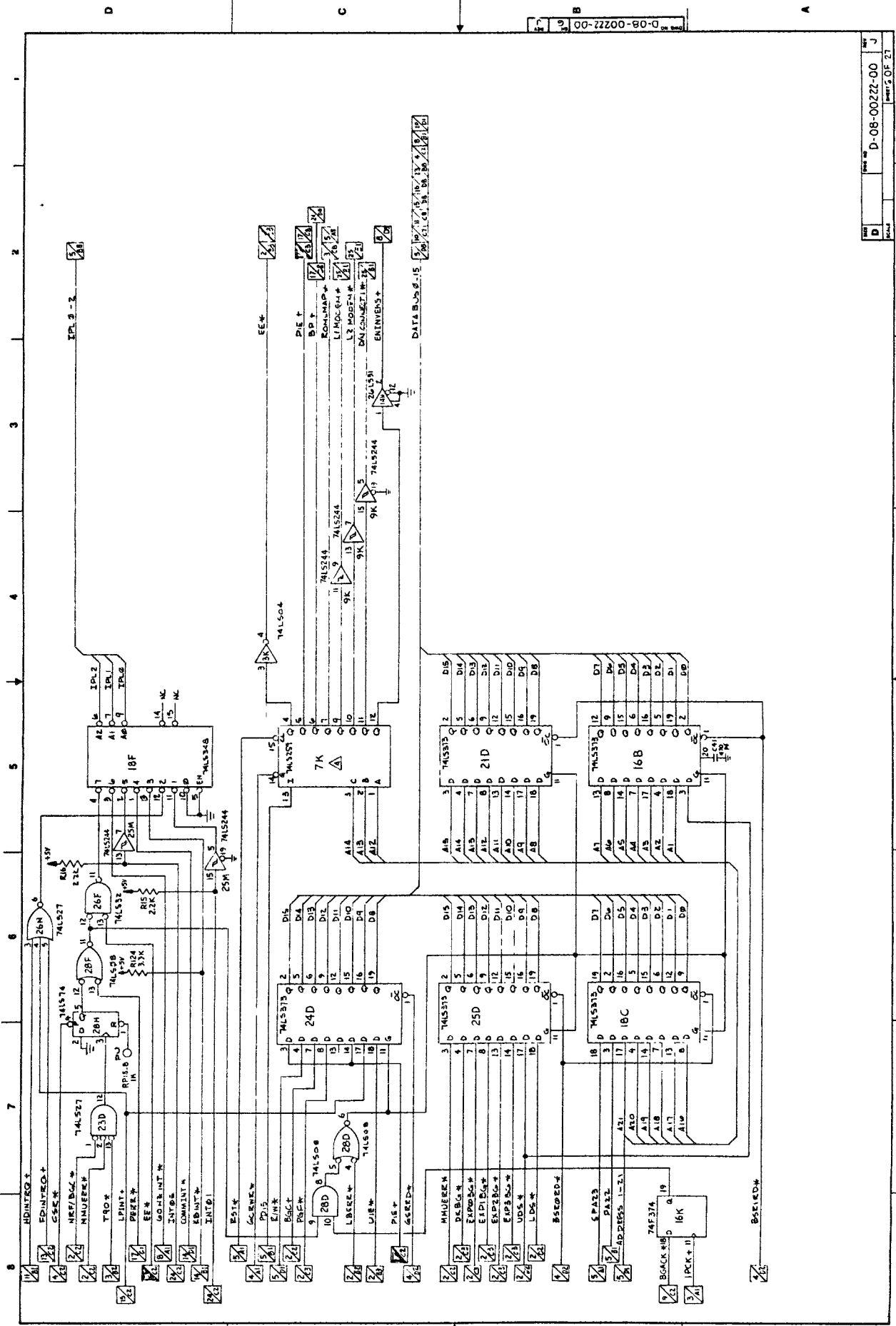
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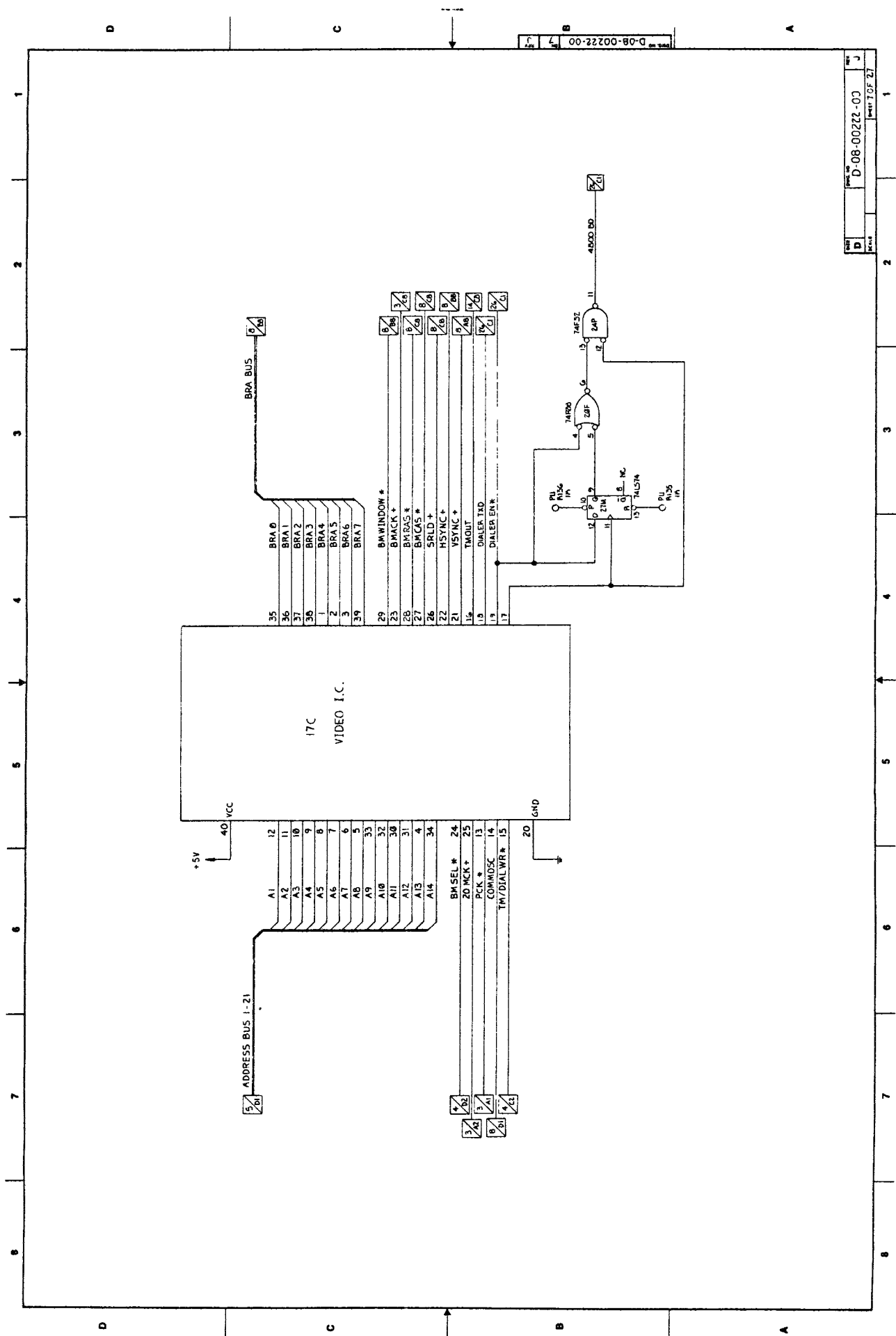
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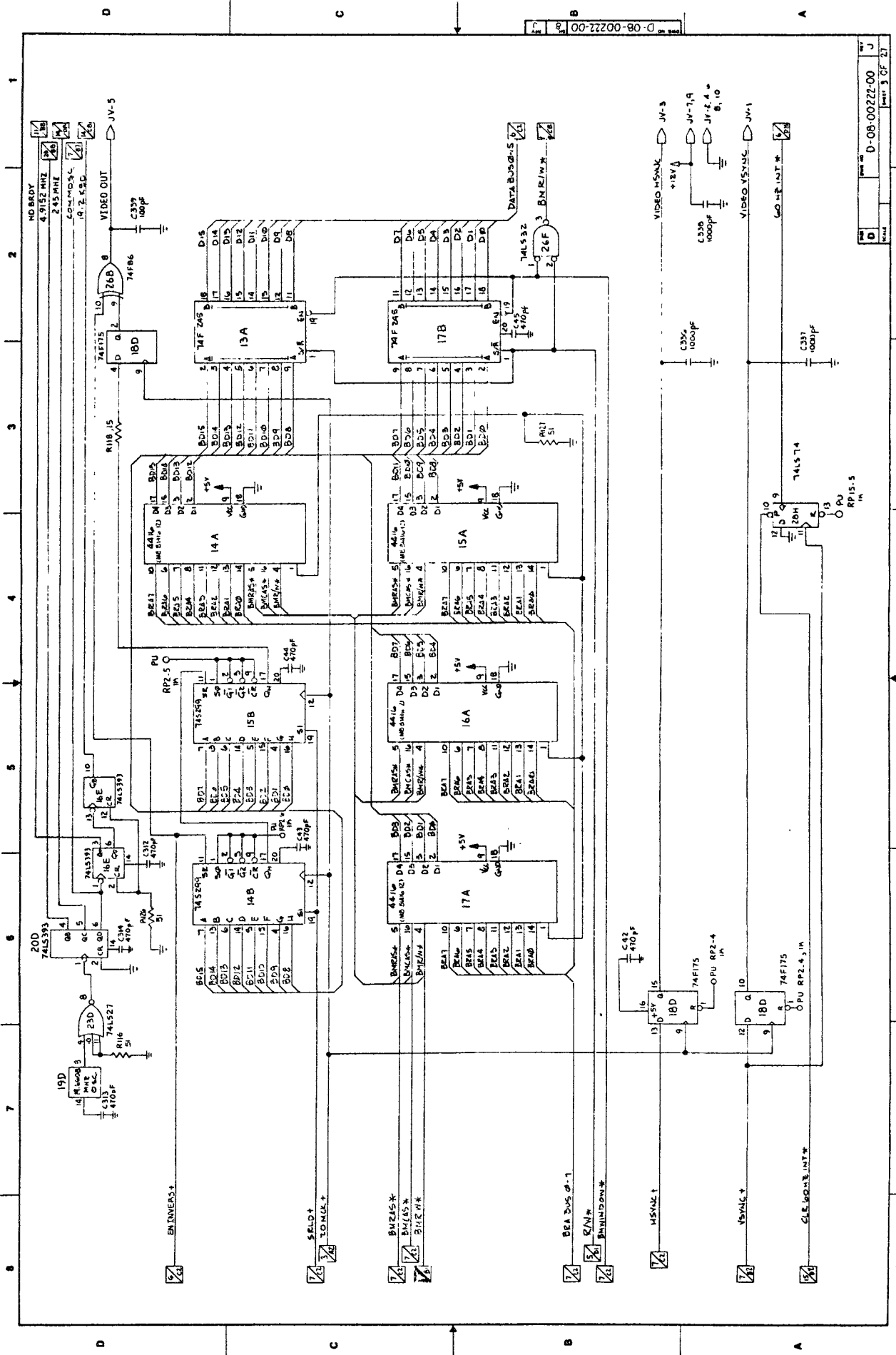
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REV J  
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JV-2.4  
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VIDEO XSYN  
JV-1  
C337 10000PF  
VIDEO INT\*

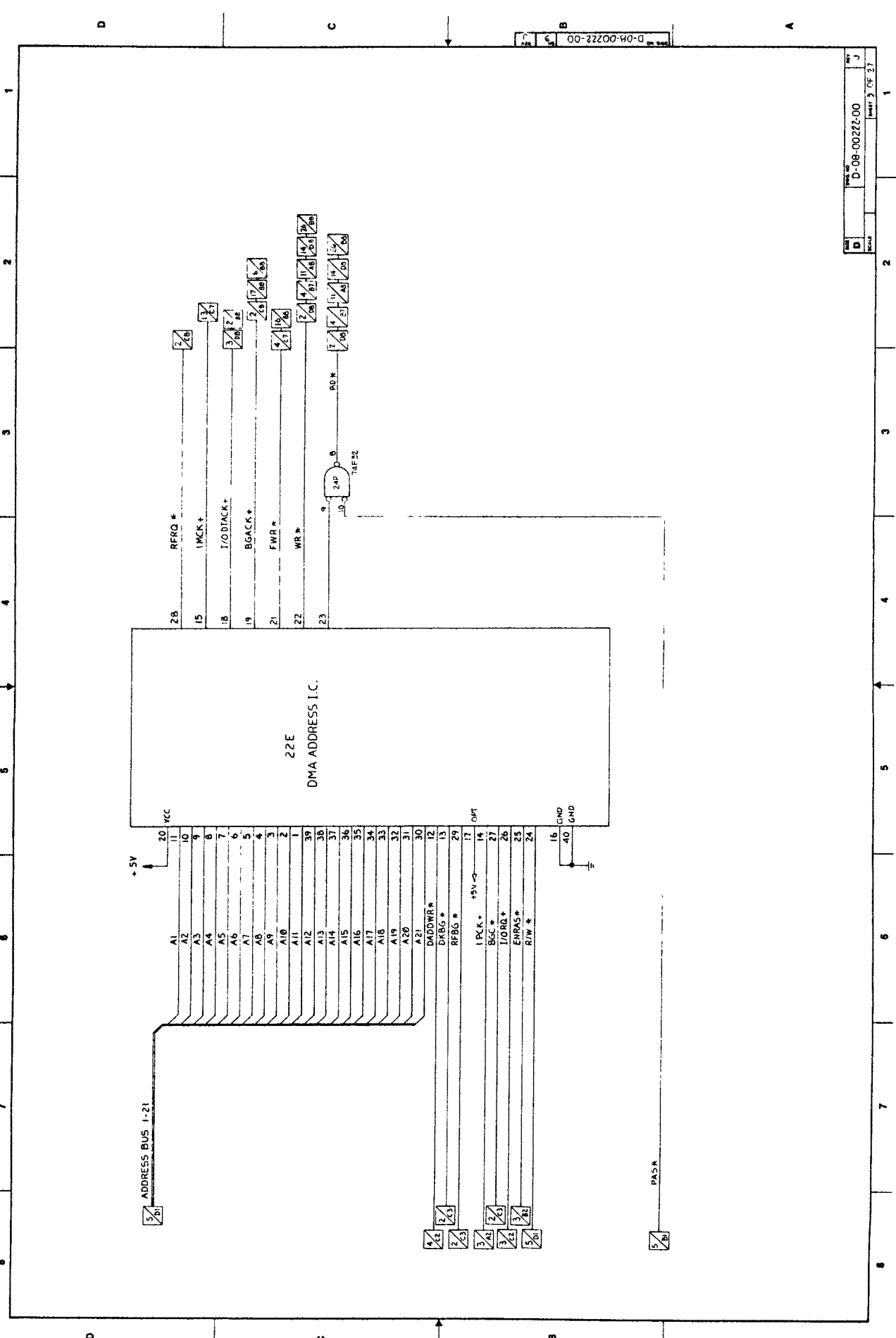
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VIDEO INT\*

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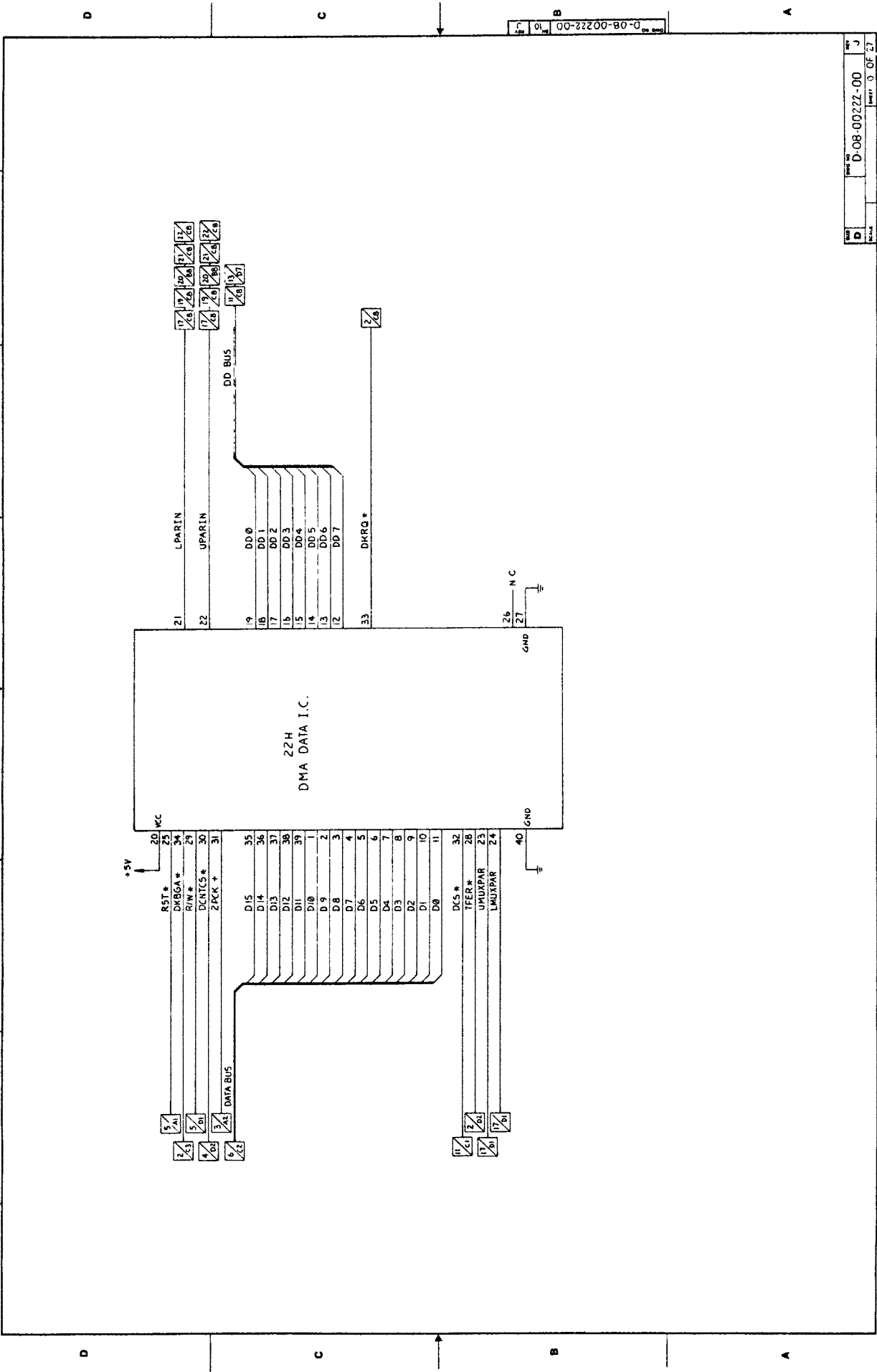




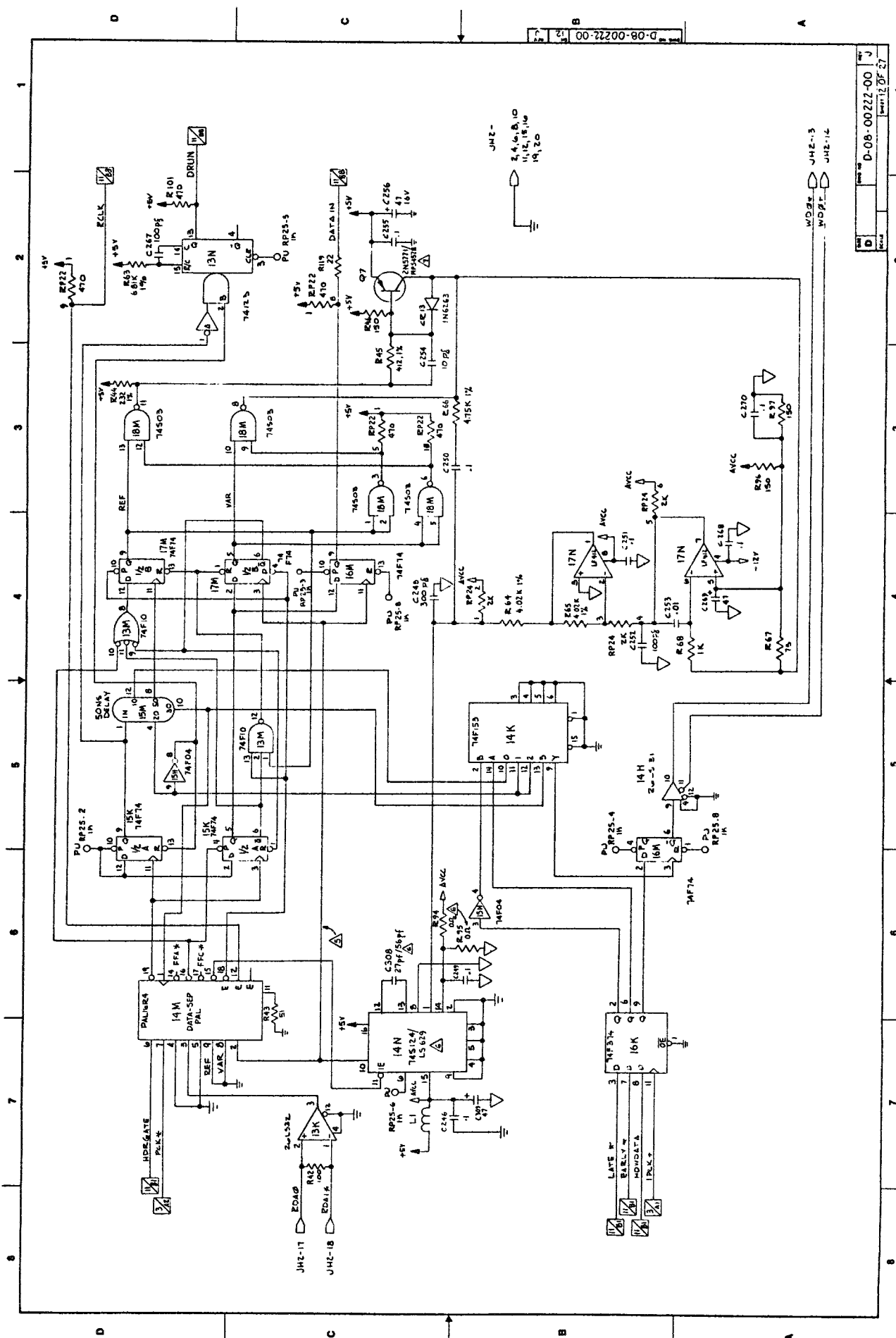


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REV J  
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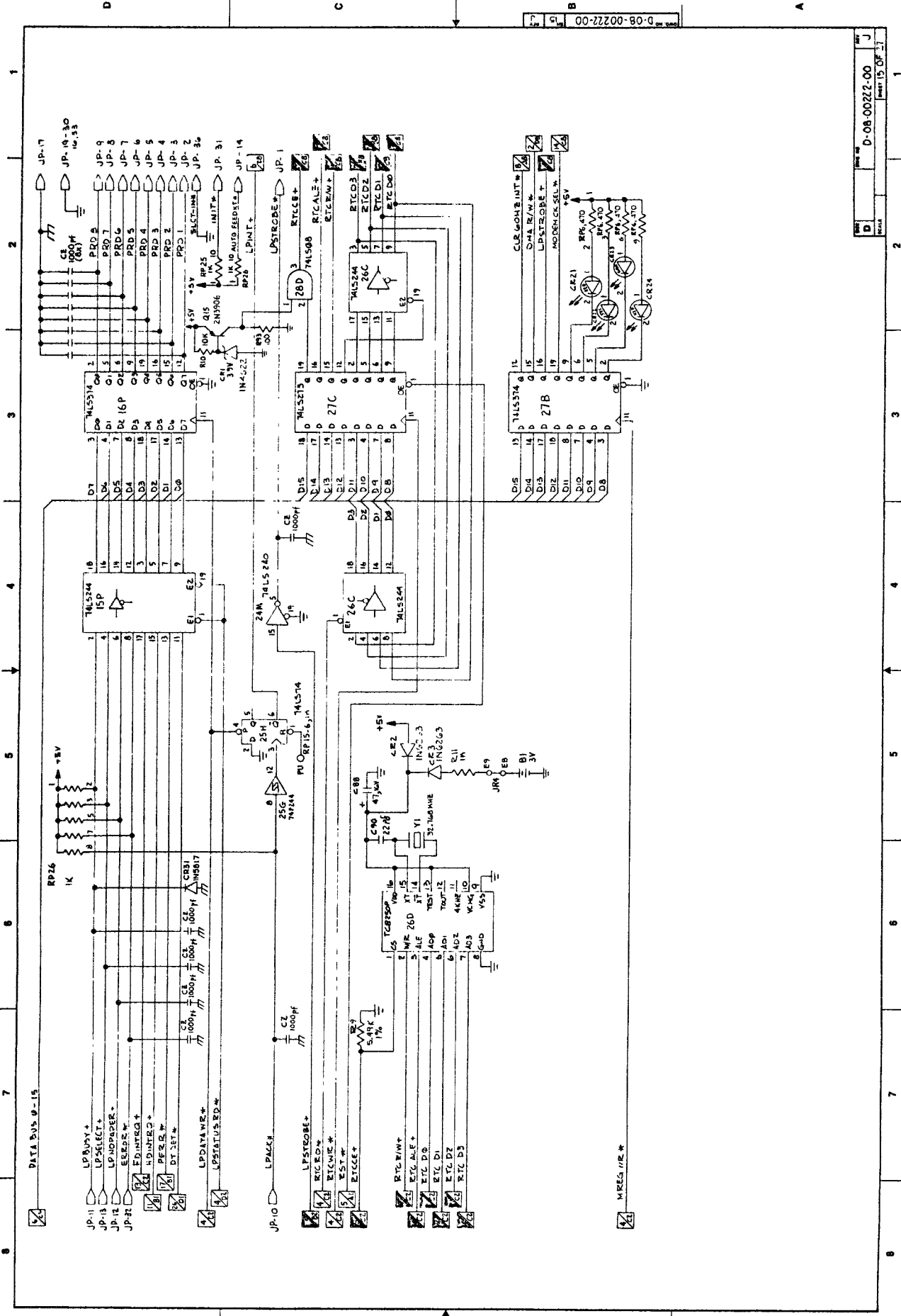


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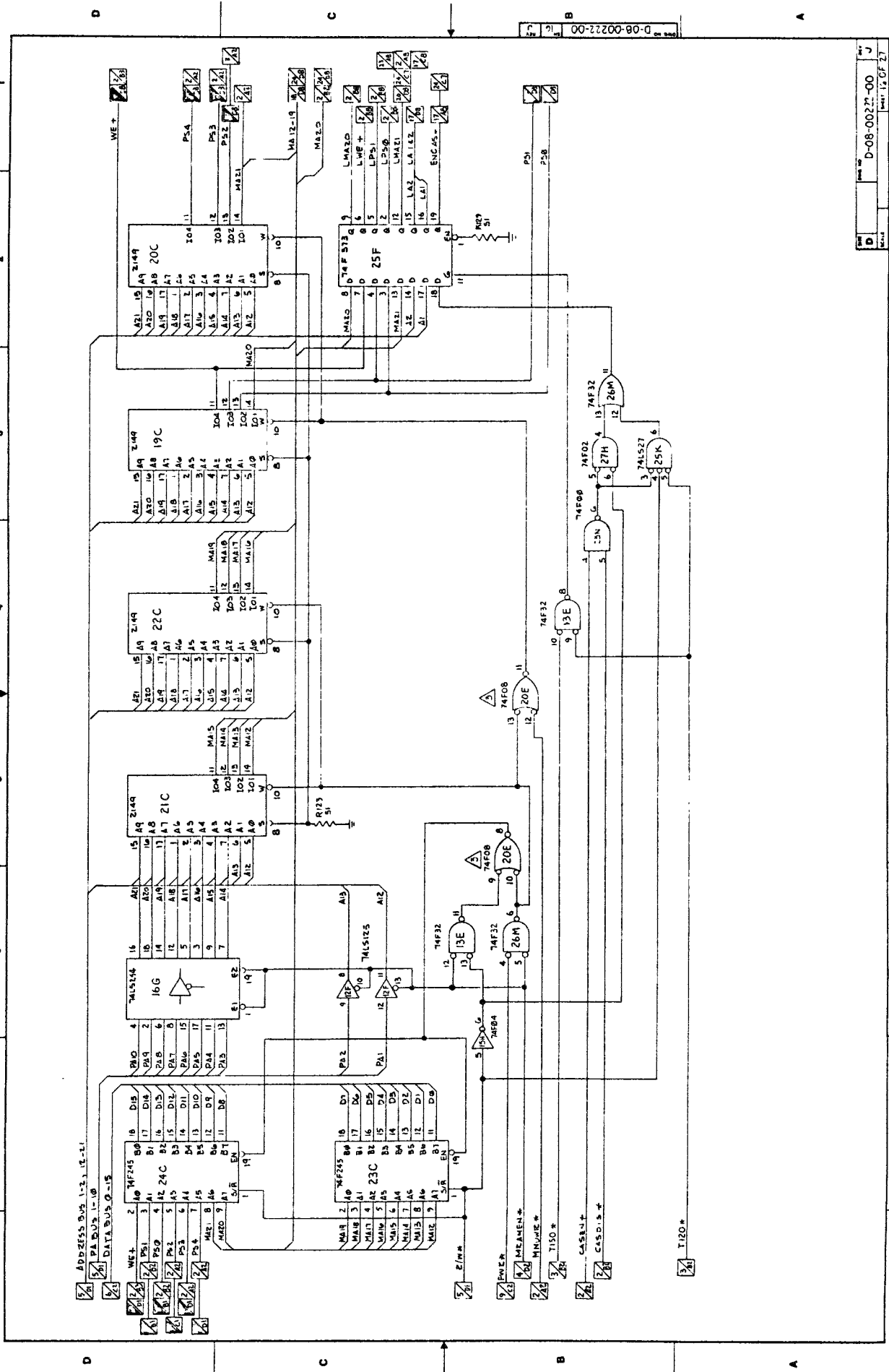








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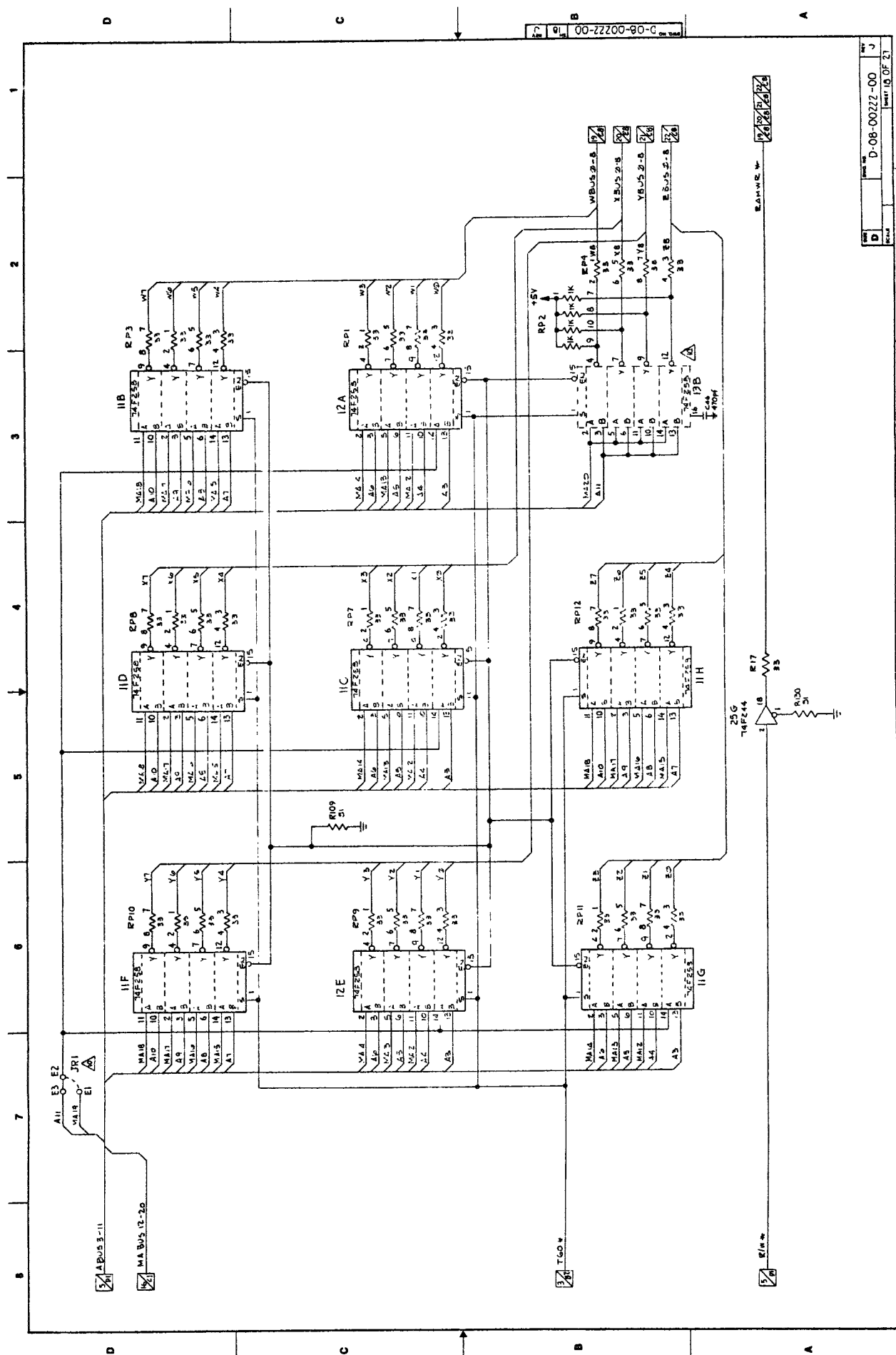


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REV 1  
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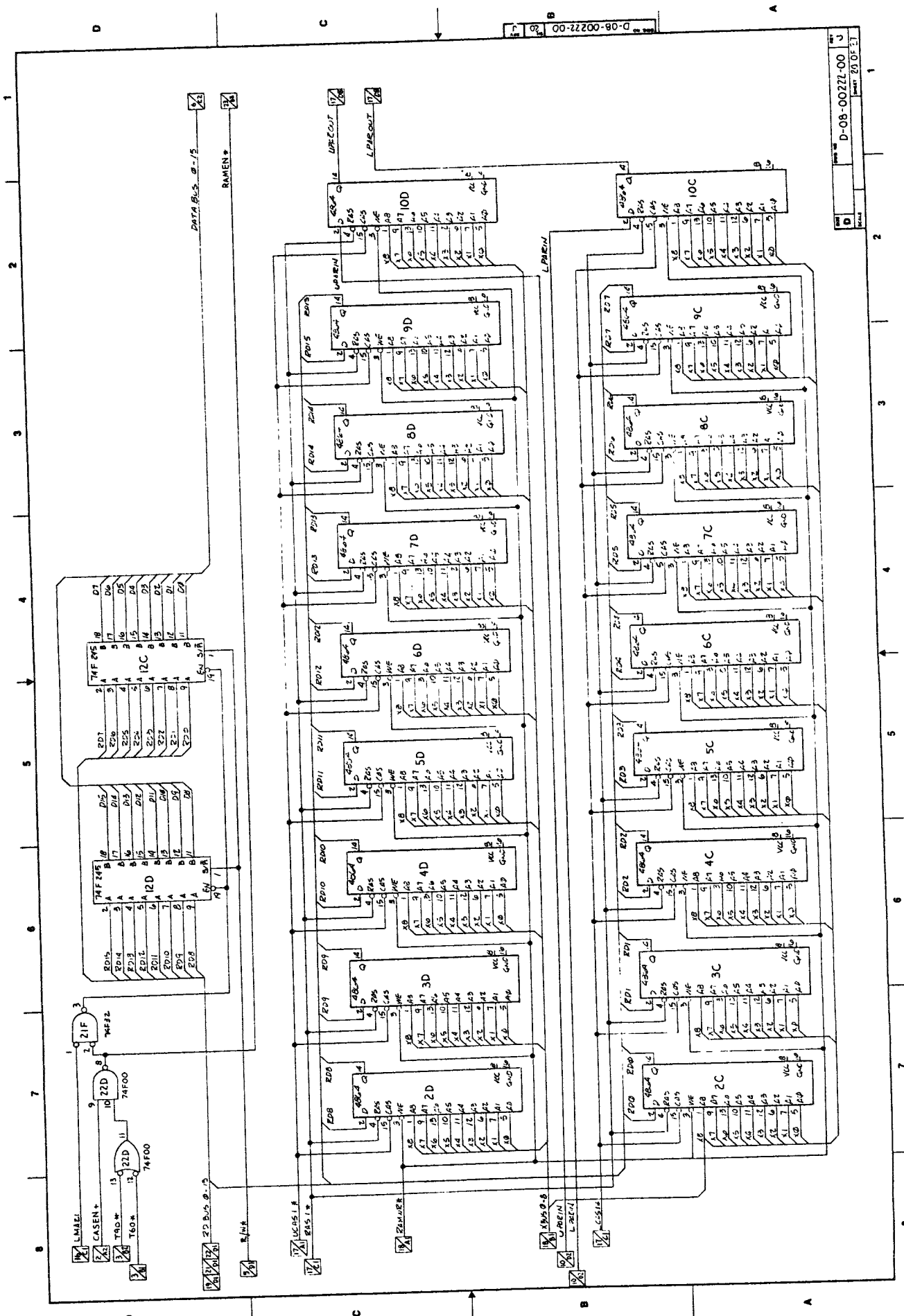
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REV 1  
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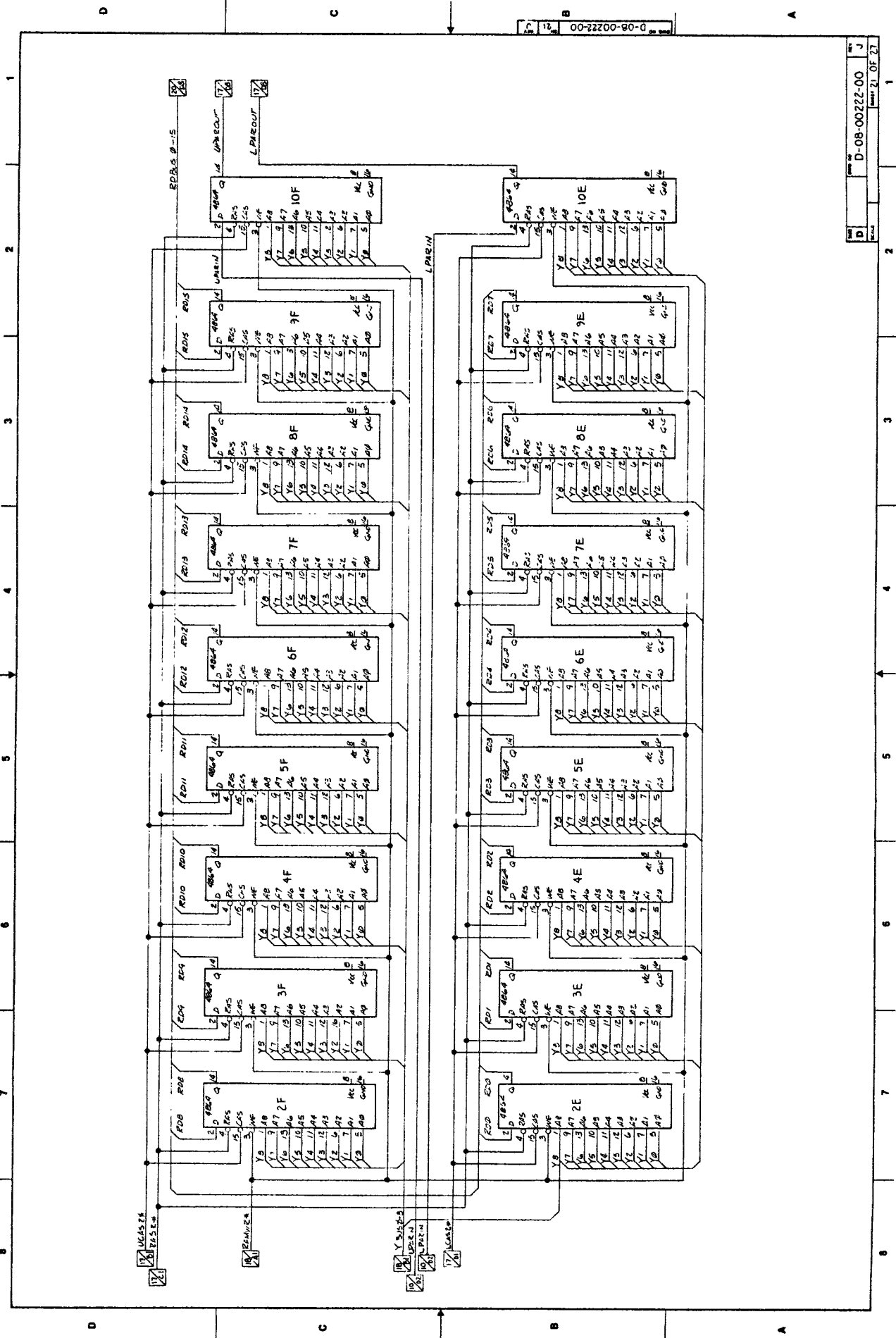
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REV D  
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 SHEET 21 OF 23

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A B C D

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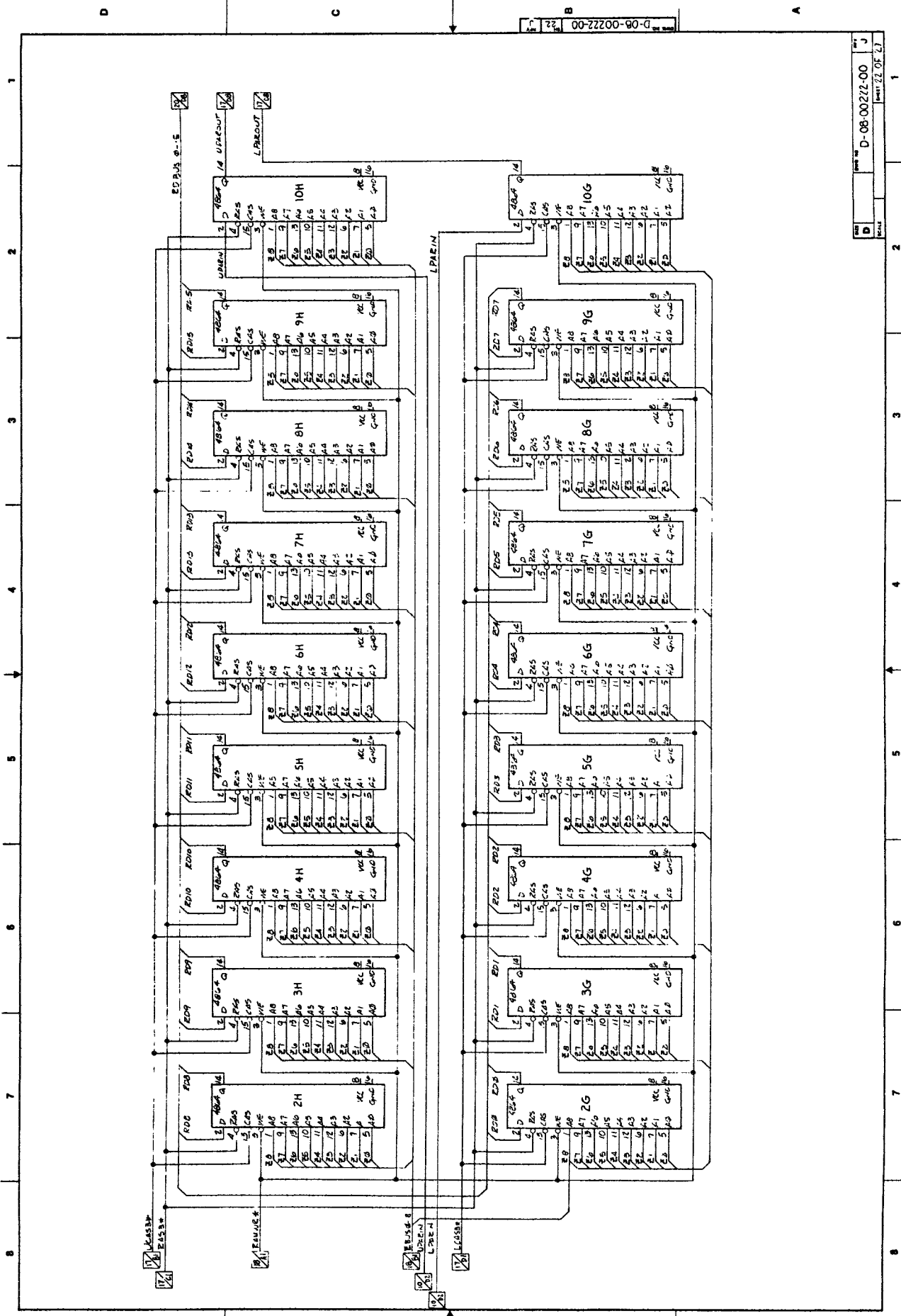
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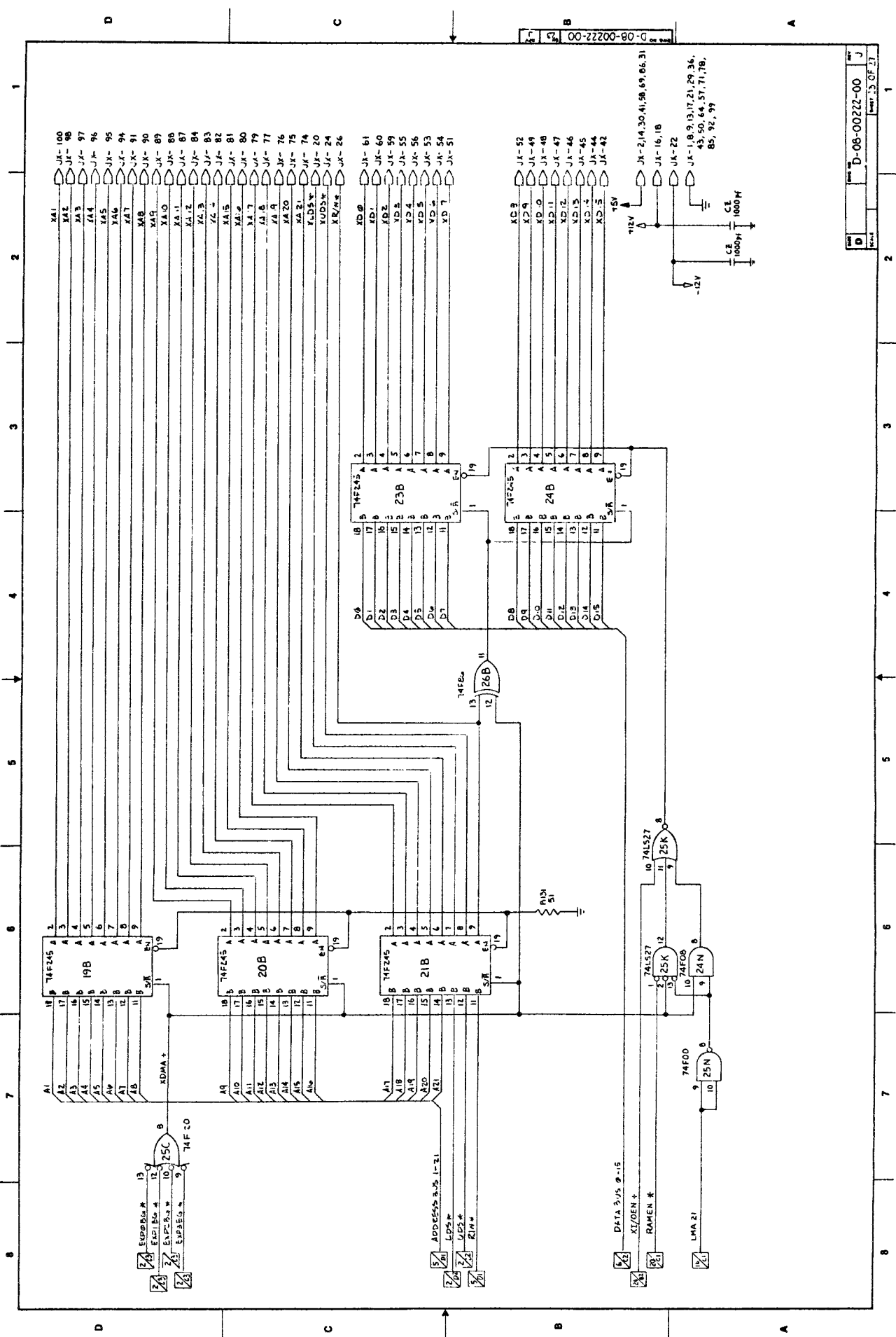
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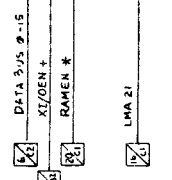
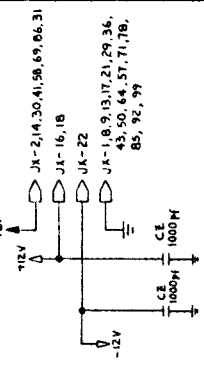
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REV. J  
DATE 22.05.21

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REV. J  
DATE 22.05.21



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### I. C. VOLTAGE CHART

DEVICE	REFERENCE DESIGNATION	PSV	D/GND	PAGE NO.
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74F02	1G, 27H	14	7	3, 4, 5, 16, 17, 24
74S03	18M	14	7	1E
74LS8A	3K	14	7	3, 5, 6, 17, 25
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