READ EXTENDED SCREEN DIMENSIONS

This function provides information about the alpha and graphics screen size plus the relationship between the two.

(0,74)	Function Code
((BUFFER))	Segment and offset address of the buffer to be used for the returned screen size data.

When this function is complete, BUFFER contains:

(X-PIXELS)	512 graphics display size in pixels.
(Y-PIXELS)	390
(ROWS)	27 alpha display size.
(COLUMNS)	80
(X-MM)	160 graphics display size in mm.
(Y-MM)	120
(ROW-MM)	150 alpha display size in mm.
(COL-MM)	116
(DELTA-X)	10 graphics origin minus alpha origin in mm.
(DELTA-Y)	4

LOGIC DIAGRAMS

APPENDIX

A

Schematic diagrams for the HP 150 are provided in this appendix.

Table of Contents

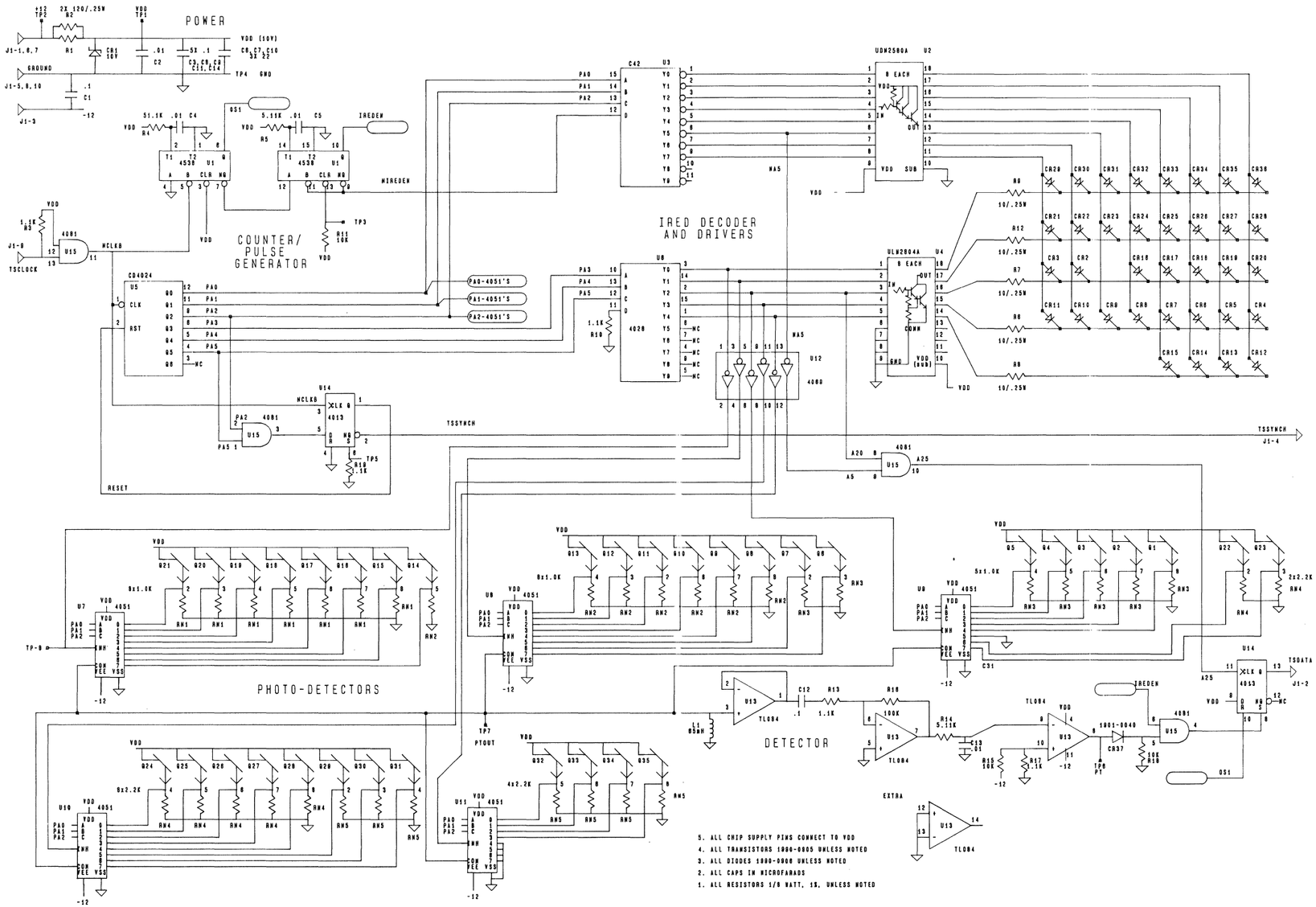

Figure A-1. Touchscreen PCA

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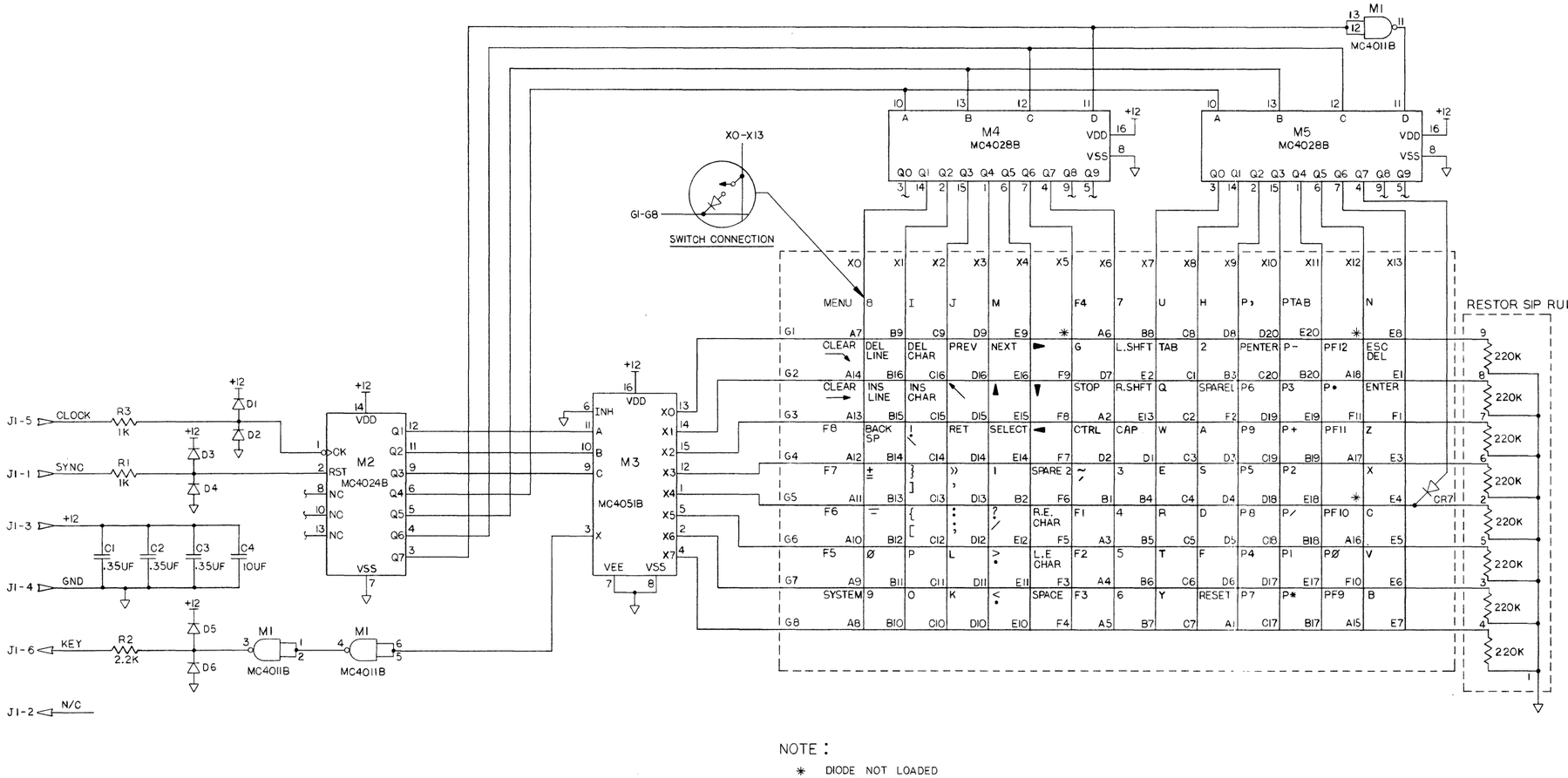

NOTE :

* DIODE NOT LOADED

Figure A-2. Keyboard PCA

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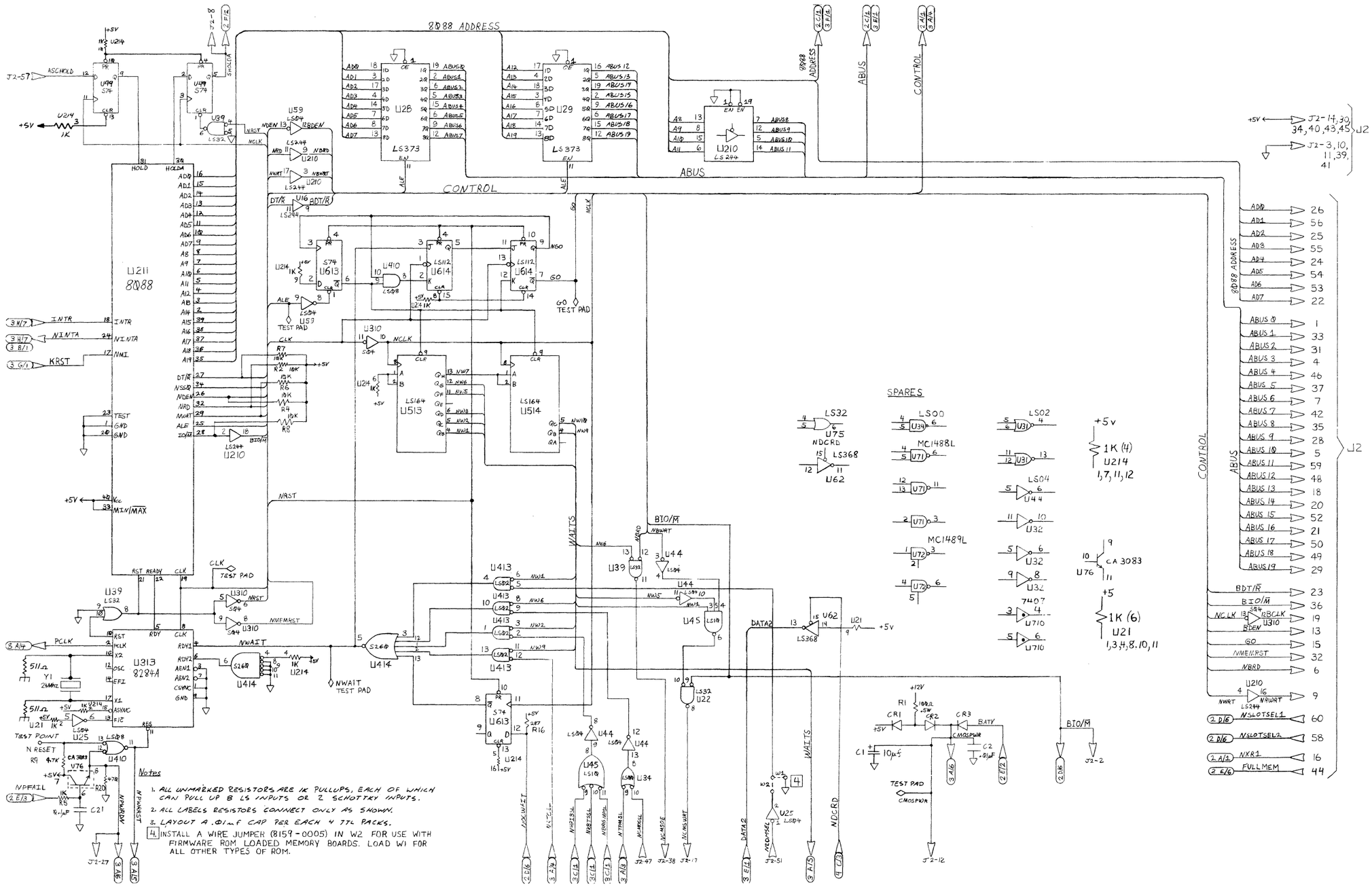

Figure A-3. Processor PCA

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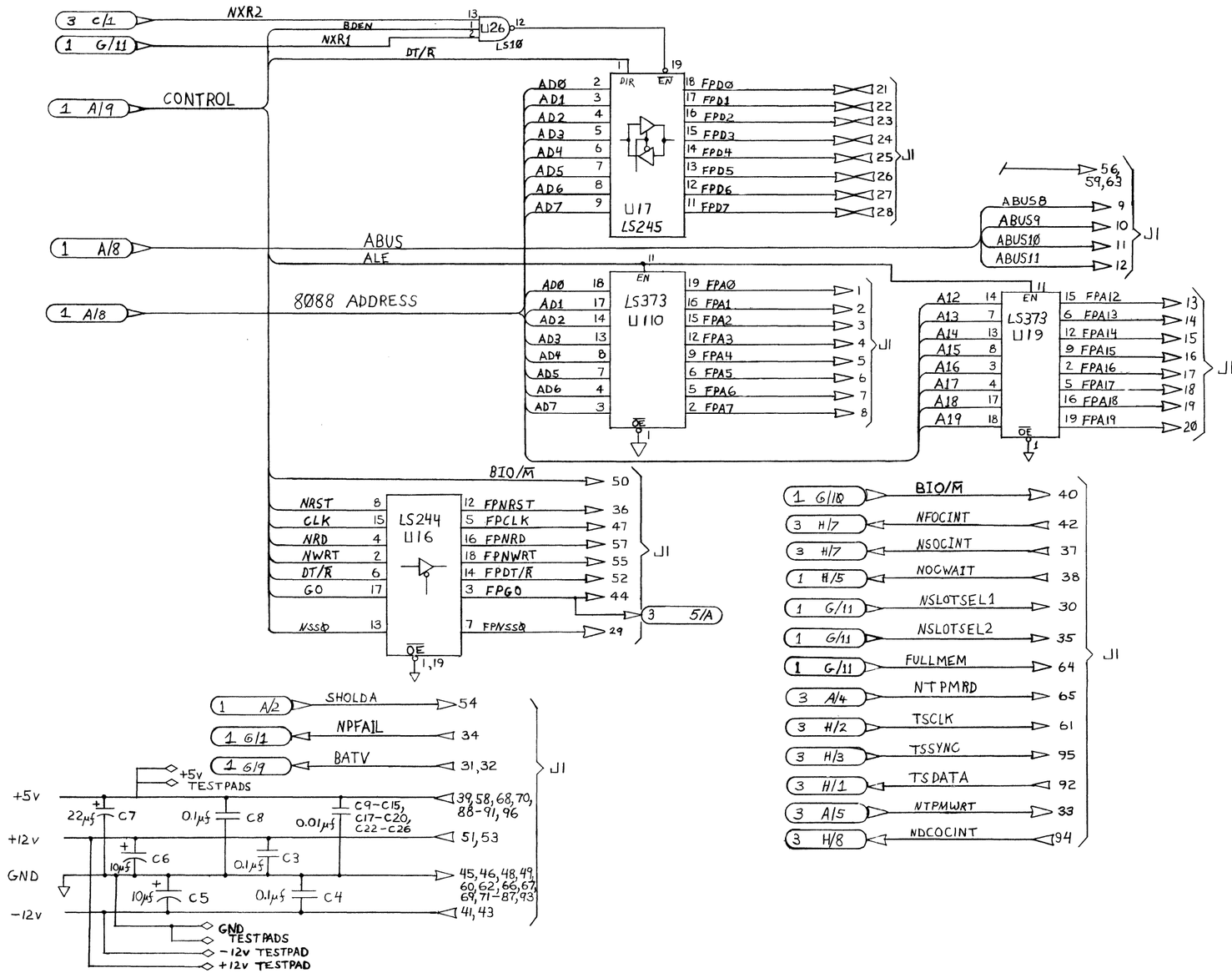

Figure A-4. Processor Front Plane PCA

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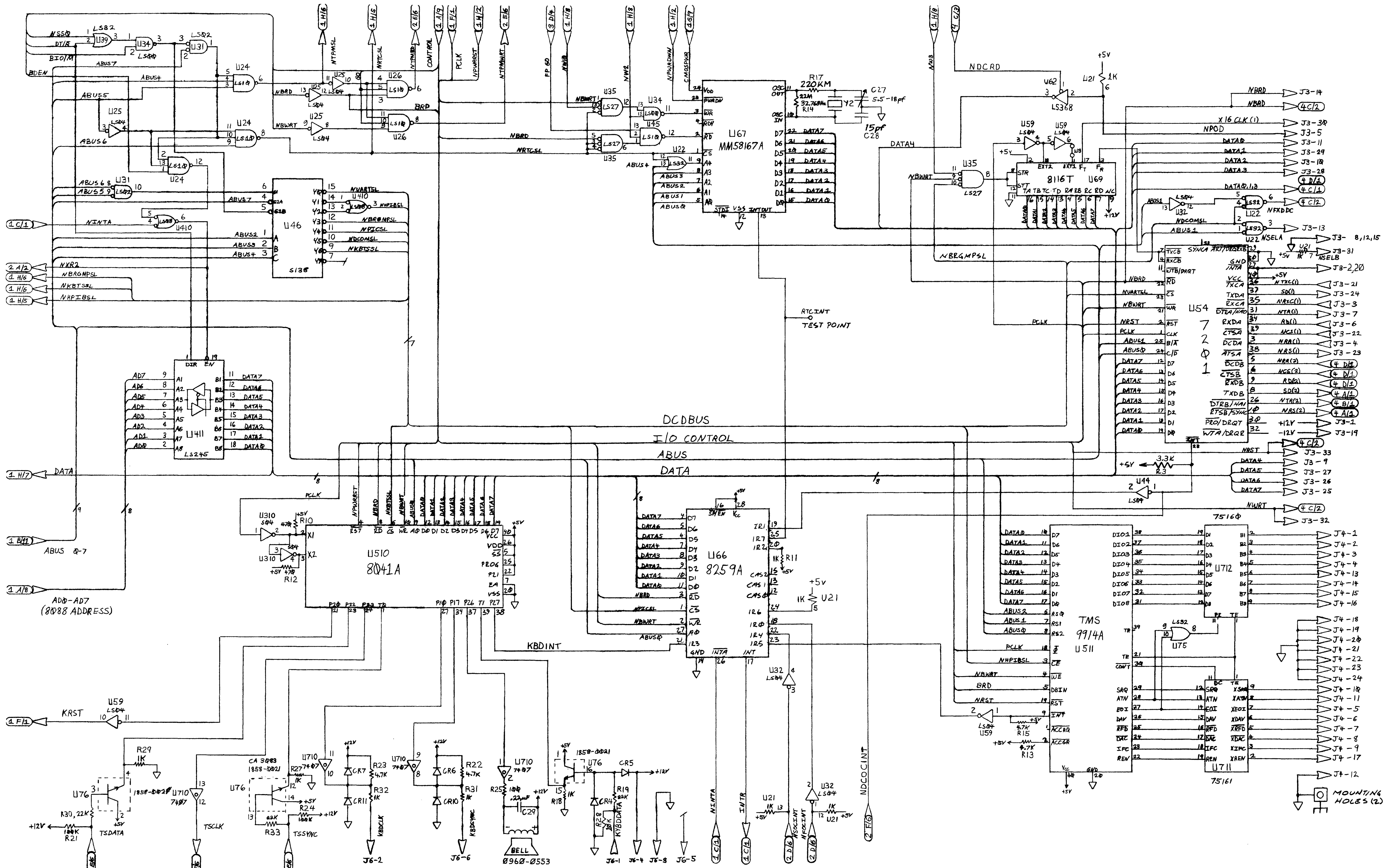

Figure A-5. Processor I/O Bus

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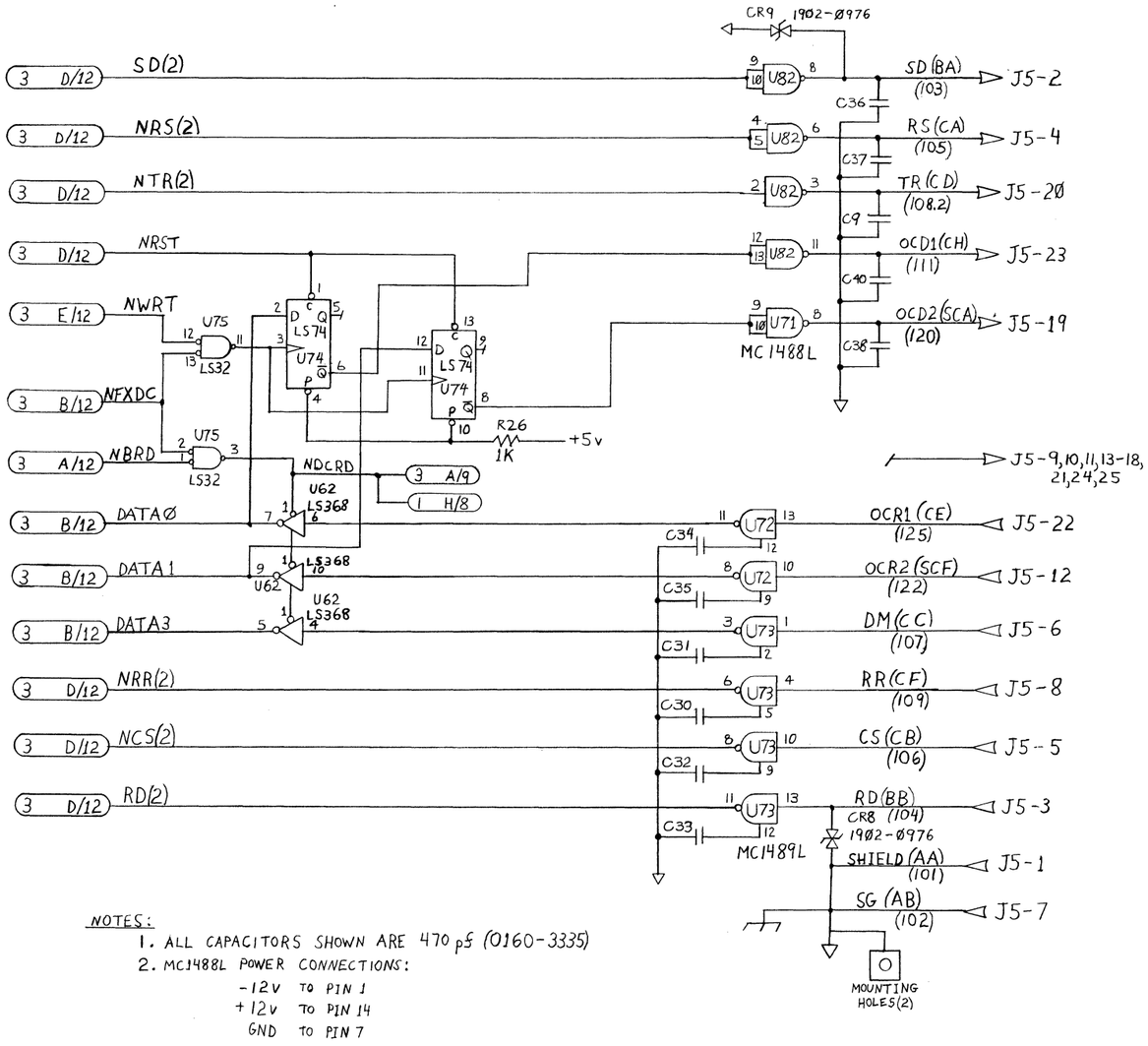

NOTES:

1. ALL CAPACITORS SHOWN ARE 470 pf (0160-3335)
2. MC1488L POWER CONNECTIONS:
   - -12v TO PIN 1
   - +12v TO PIN 14
   - GND TO PIN 7

Figure A-6. Keyboard PCA Port

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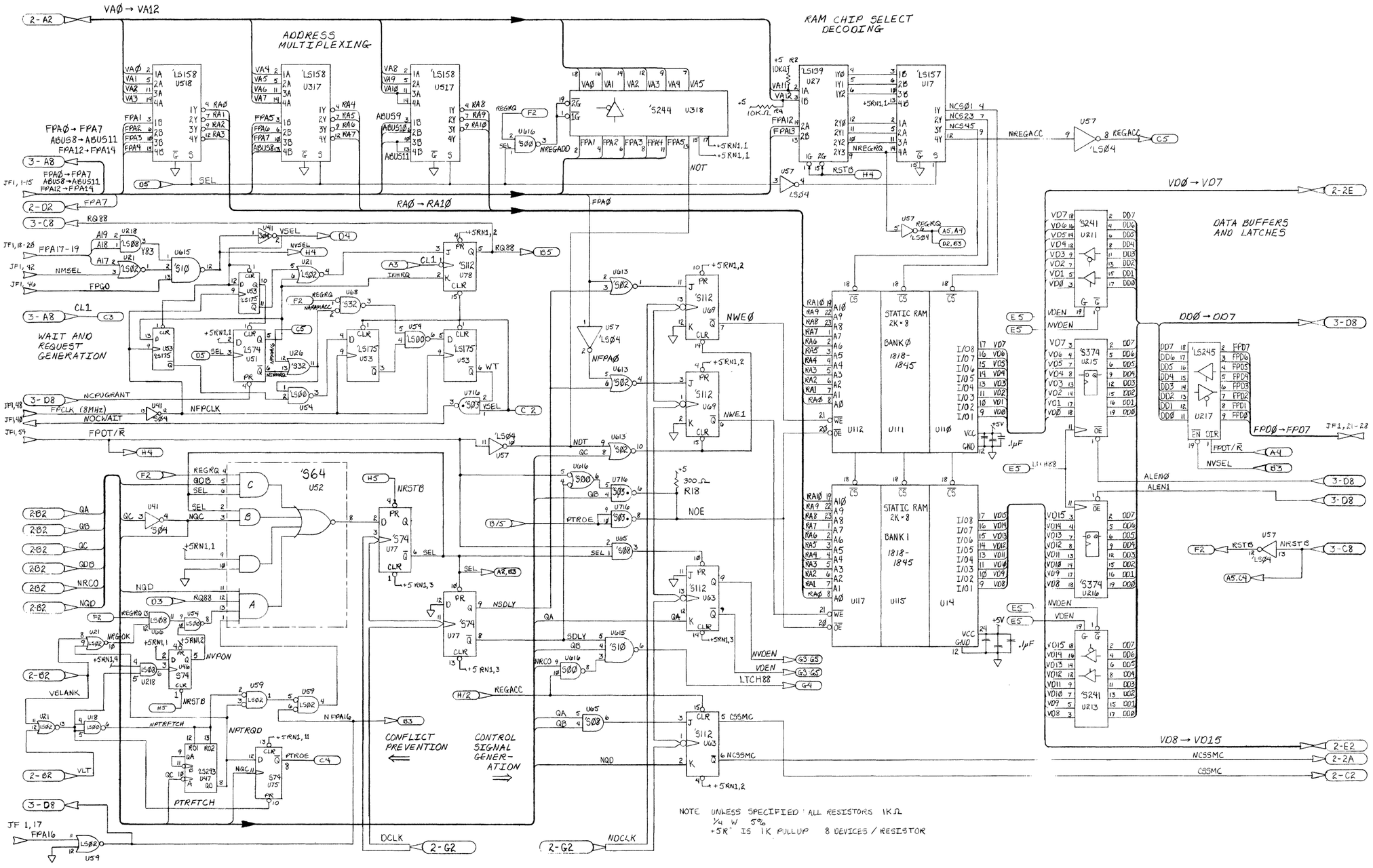

Figure A-7. Video Alpha RAM Subsystem

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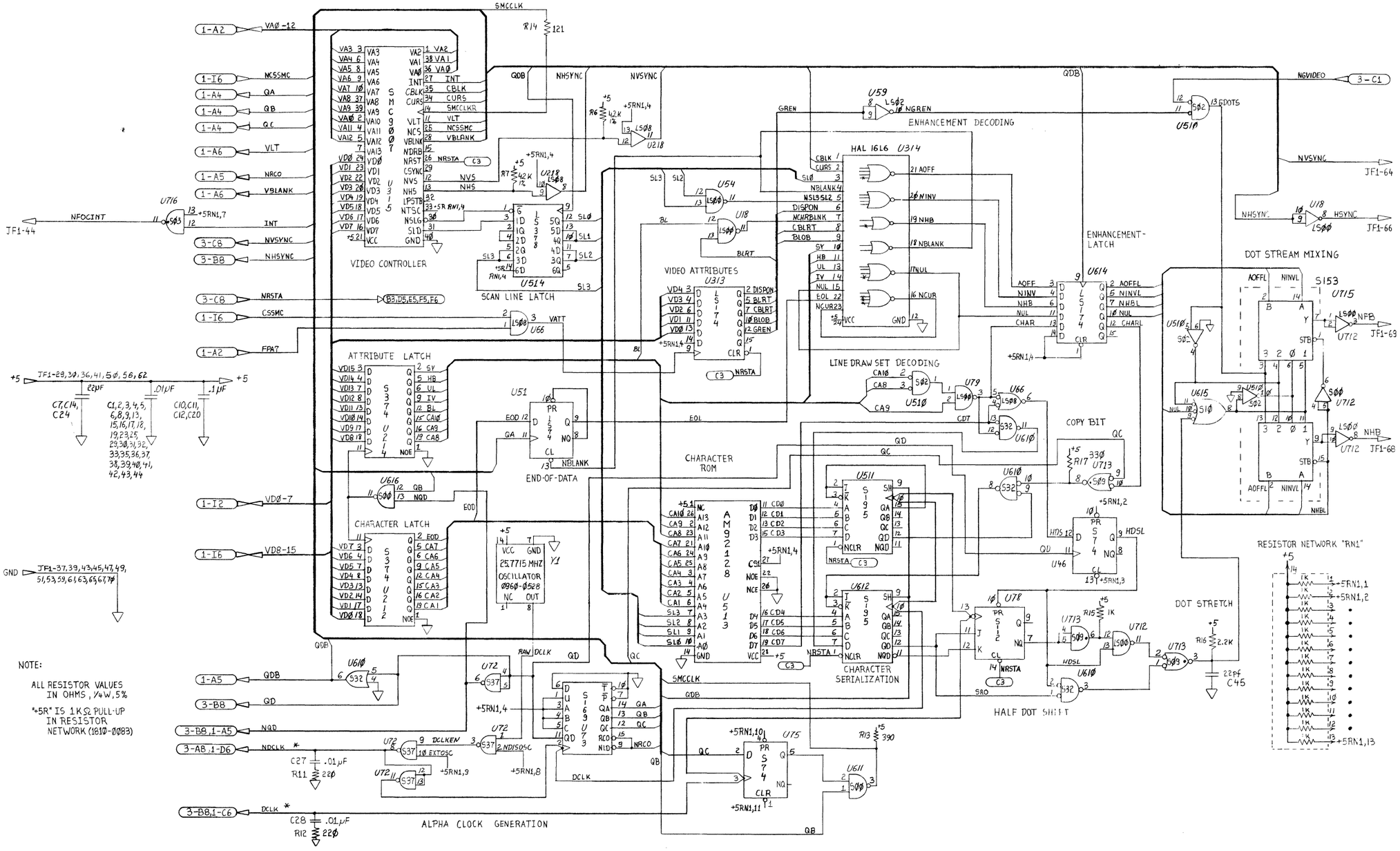

Figure A-8. Video Alpha Display Subsystem

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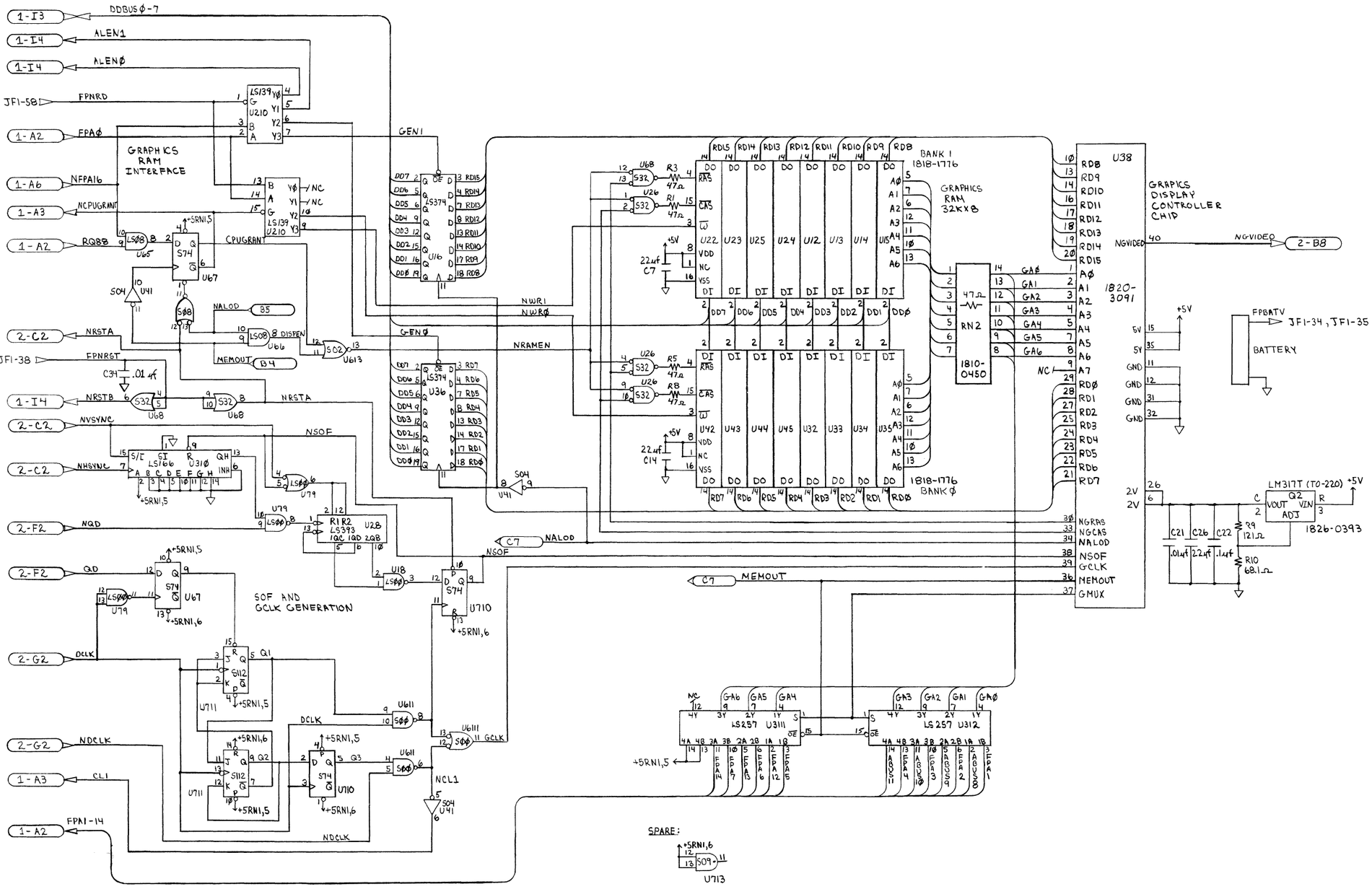

Figure A-9. Video Graphics Display Subsystem

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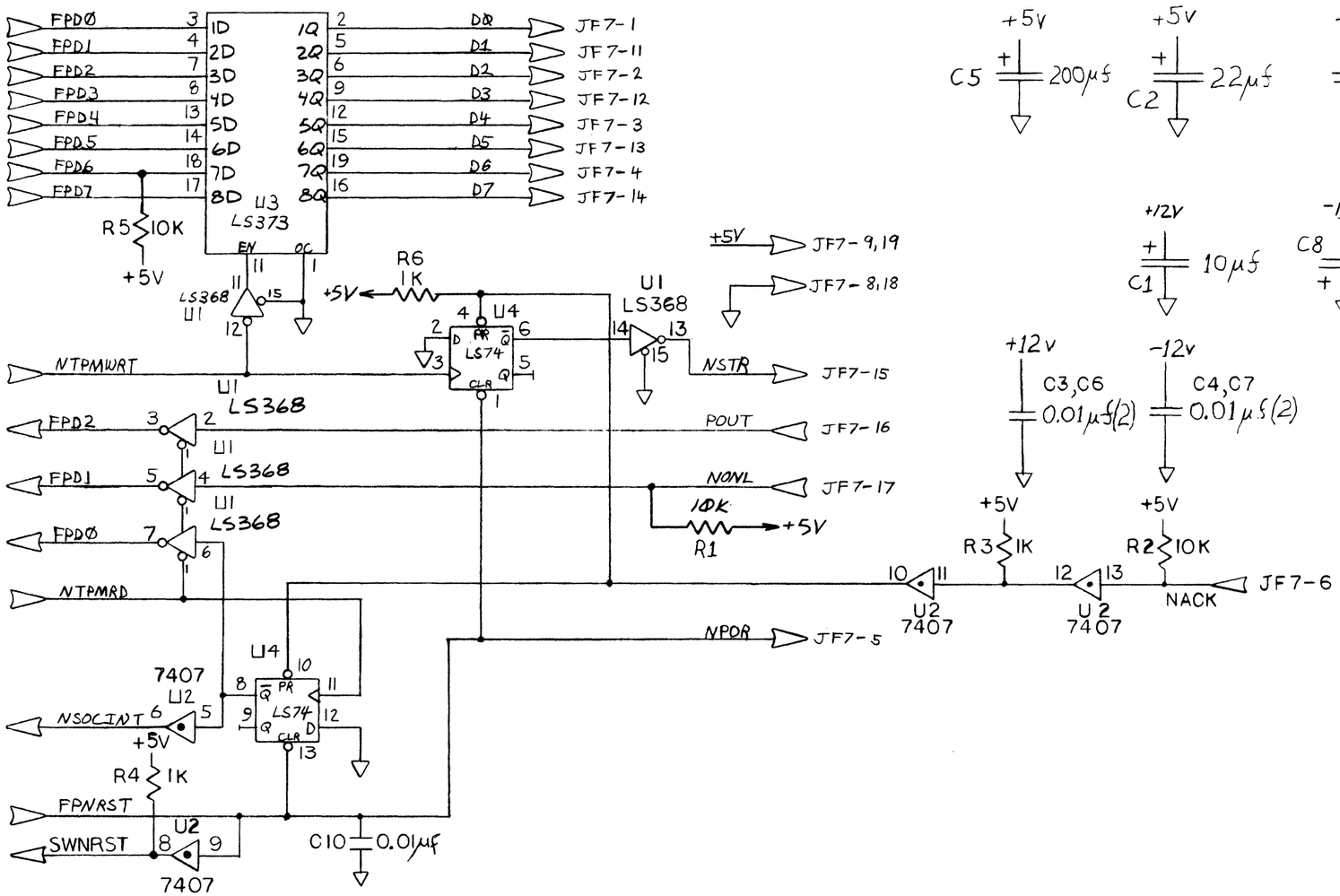

Figure A-10. Thermal Printer Interface (Part of Front Plane PCA)

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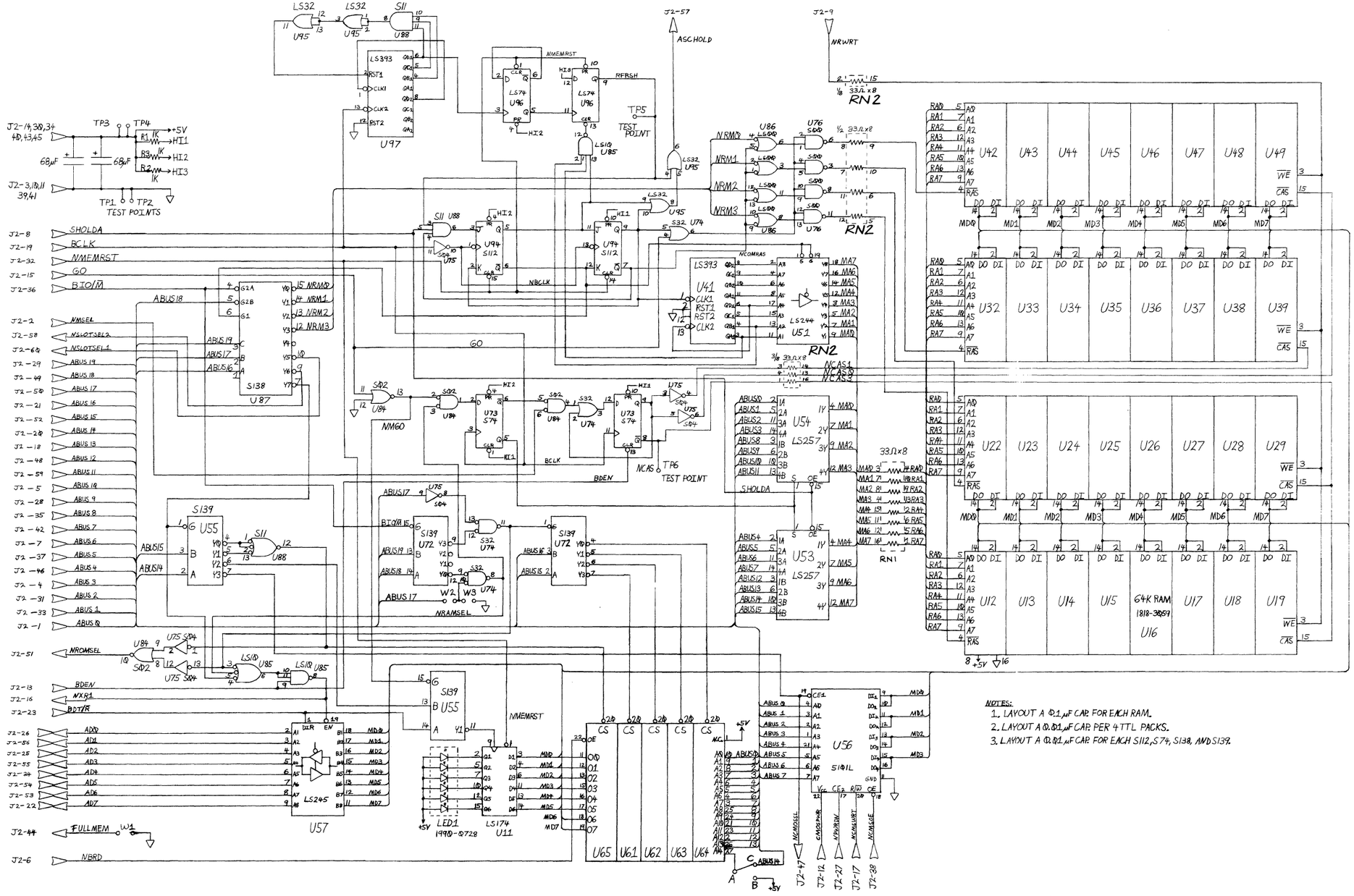

Figure A-11. Mezzanine Memory PCA

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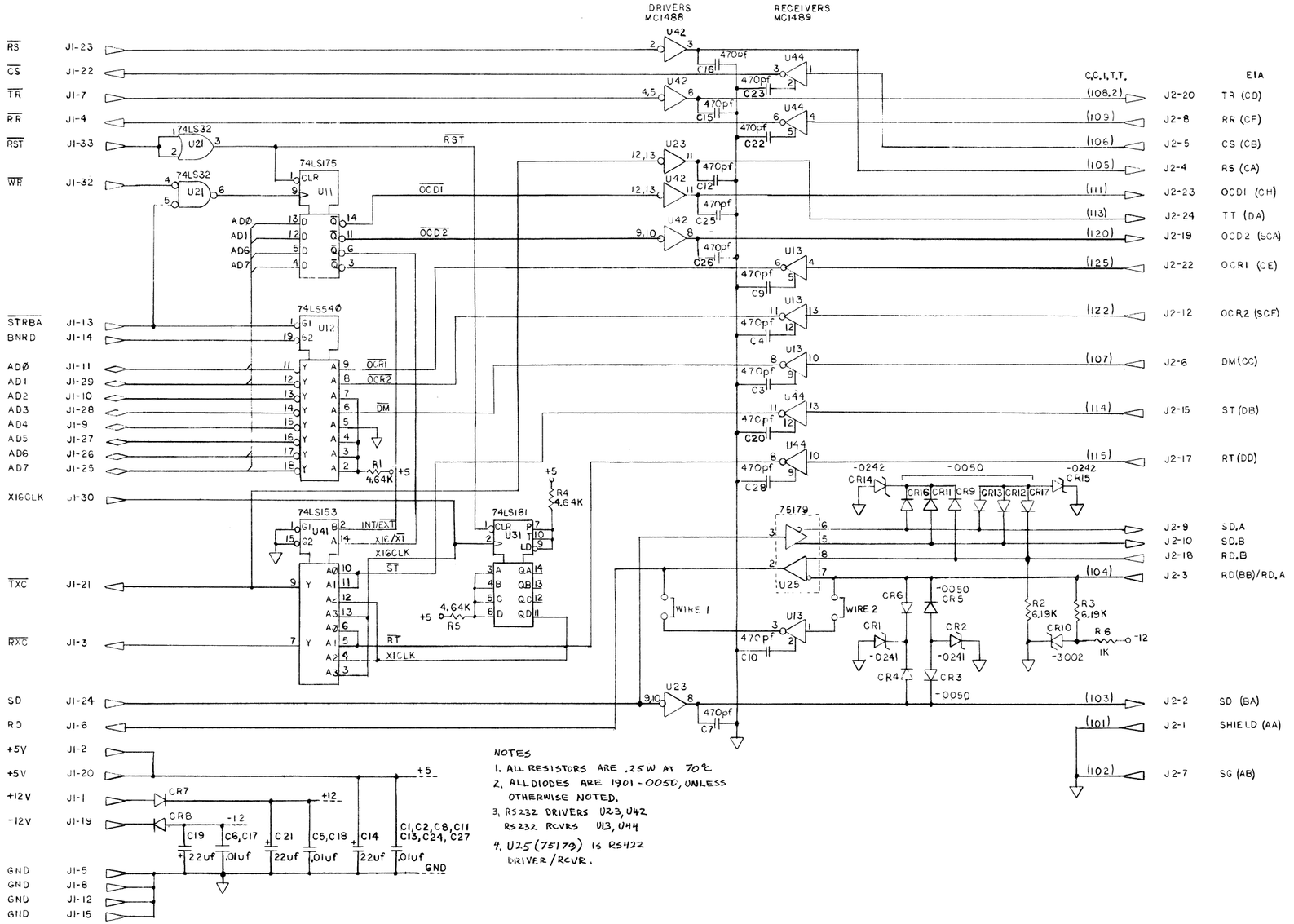

NOTES
1. ALL RESISTORS ARE .25W AT 70°C
2. ALL DIODES ARE 1901-0050, UNLESS OTHERWISE NOTED.
3. RS232 DRIVERS U23, U42
   RS232 RCVRS U13, U44
4. U25 (75179) IS RS422 DRIVER/RCVR.

Figure A-12. Mezzanine Datacomm PCA

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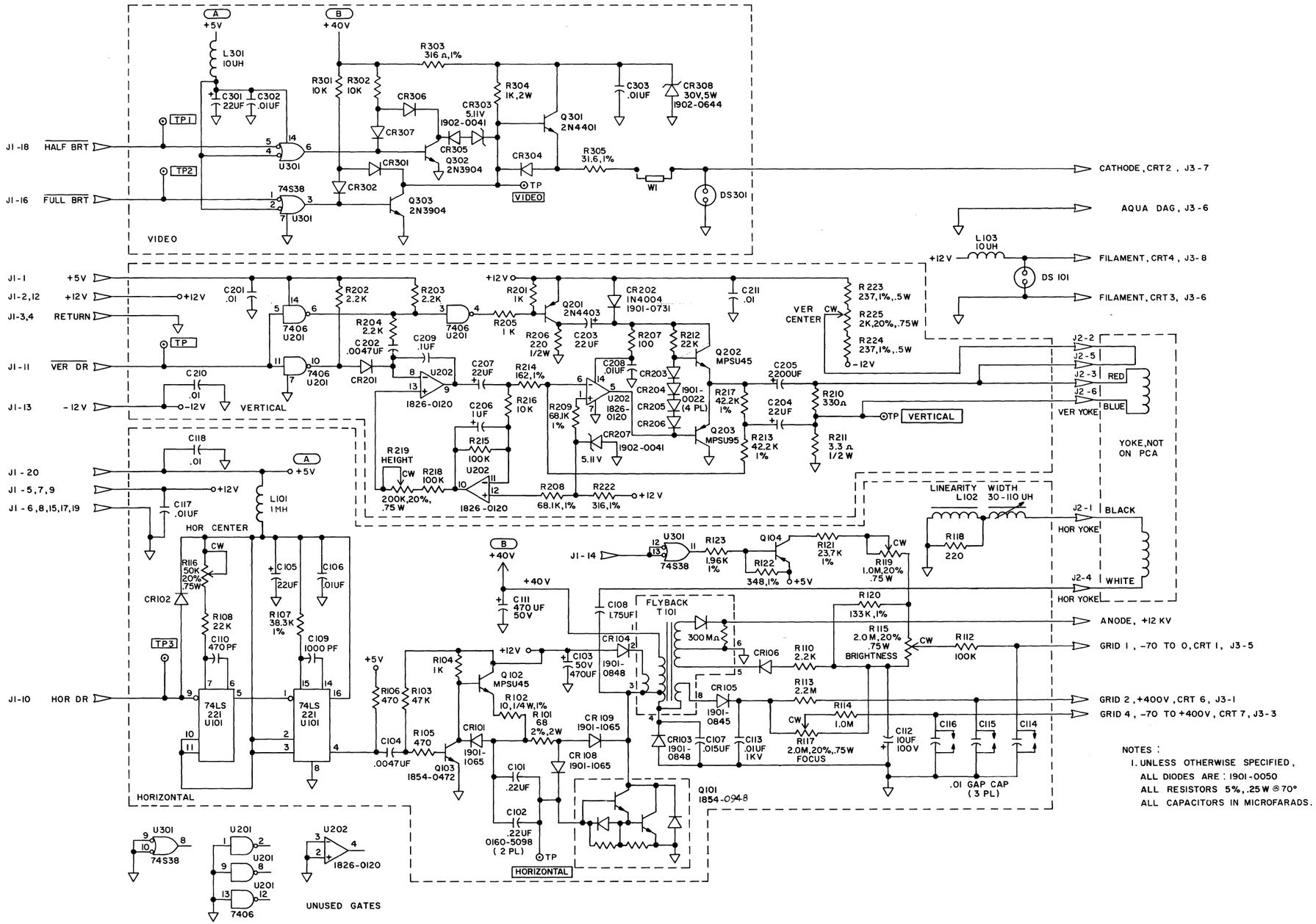

Figure A-13. Sweep PCA

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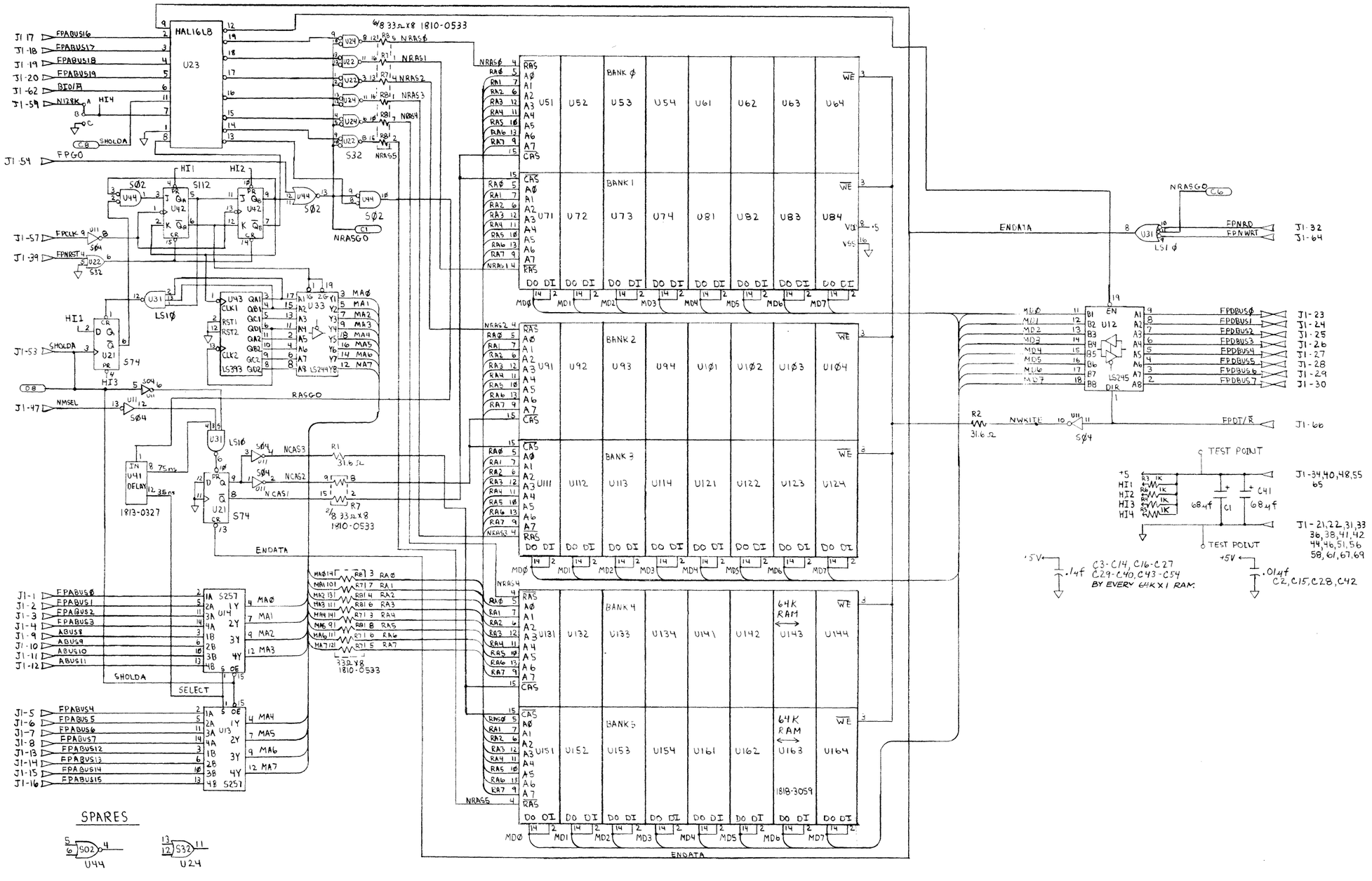

Figure A-14. RAM (Memory Extender) PCA

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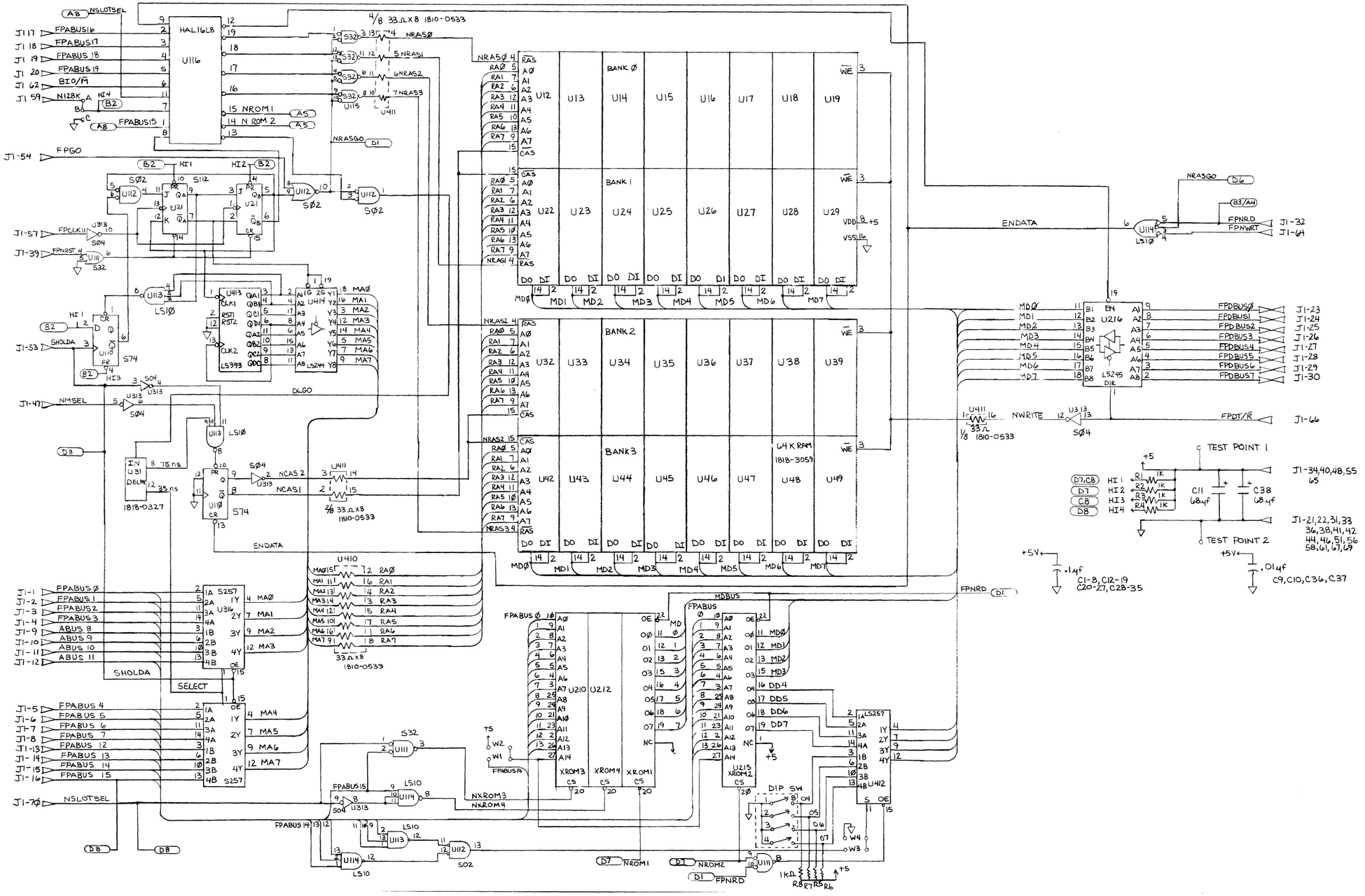

Figure A-15. Language PCA

FURTHER REFERENCE DOCUMENTS

APPENDIX

B

Additional information may be found in the following documents:

Title	HP Product No.	HP Part No.
o *HP 150 Service Manual*	45611A	45611-90002
o *HP 150 Owner's Guide*	45621A	45621-90001
o *HP 150 Terminal User's Guide*	45623A	45623-90002
o *MS-DOS User's Guide*	45624A	45624-90001

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HP 150 Technical Reference Manual

45625-90001 May 1984

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Are the concepts and wording easy to understand?	Yes [ ] No [ ]	(If no, explain under Comments, below.)
Is the format of this manual convenient in size, arrangement and readability?	Yes [ ] No [ ]	(If no, explain under Comments, below.)

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