

cpu



Plik: cpu.kicad\_sch

fpga



Plik: fpga.kicad\_sch

isa



Plik: isa.kicad\_sch

ramrom



Plik: ramrom.kicad\_sch

# maniek86

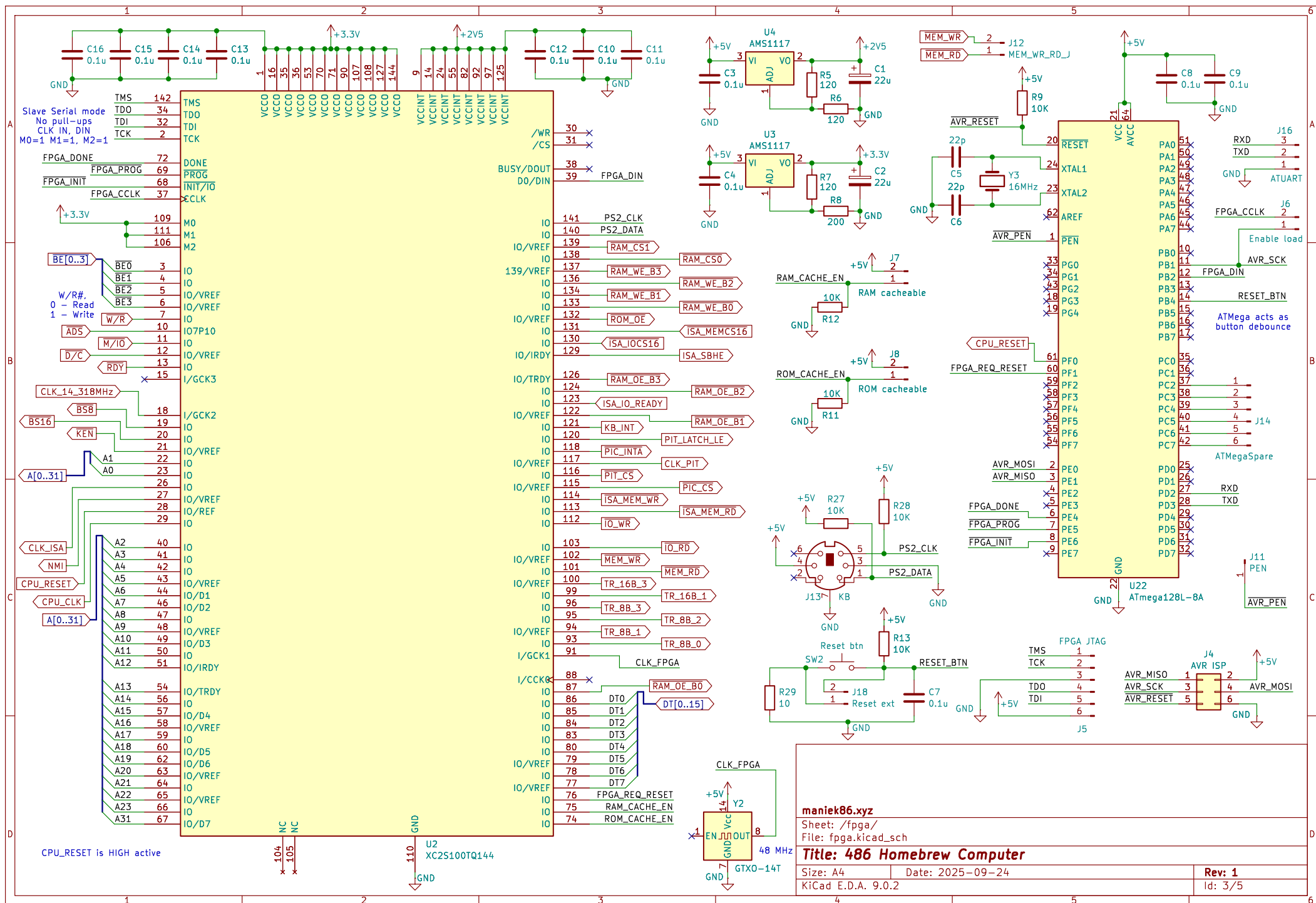
MANIEK86.XYZ

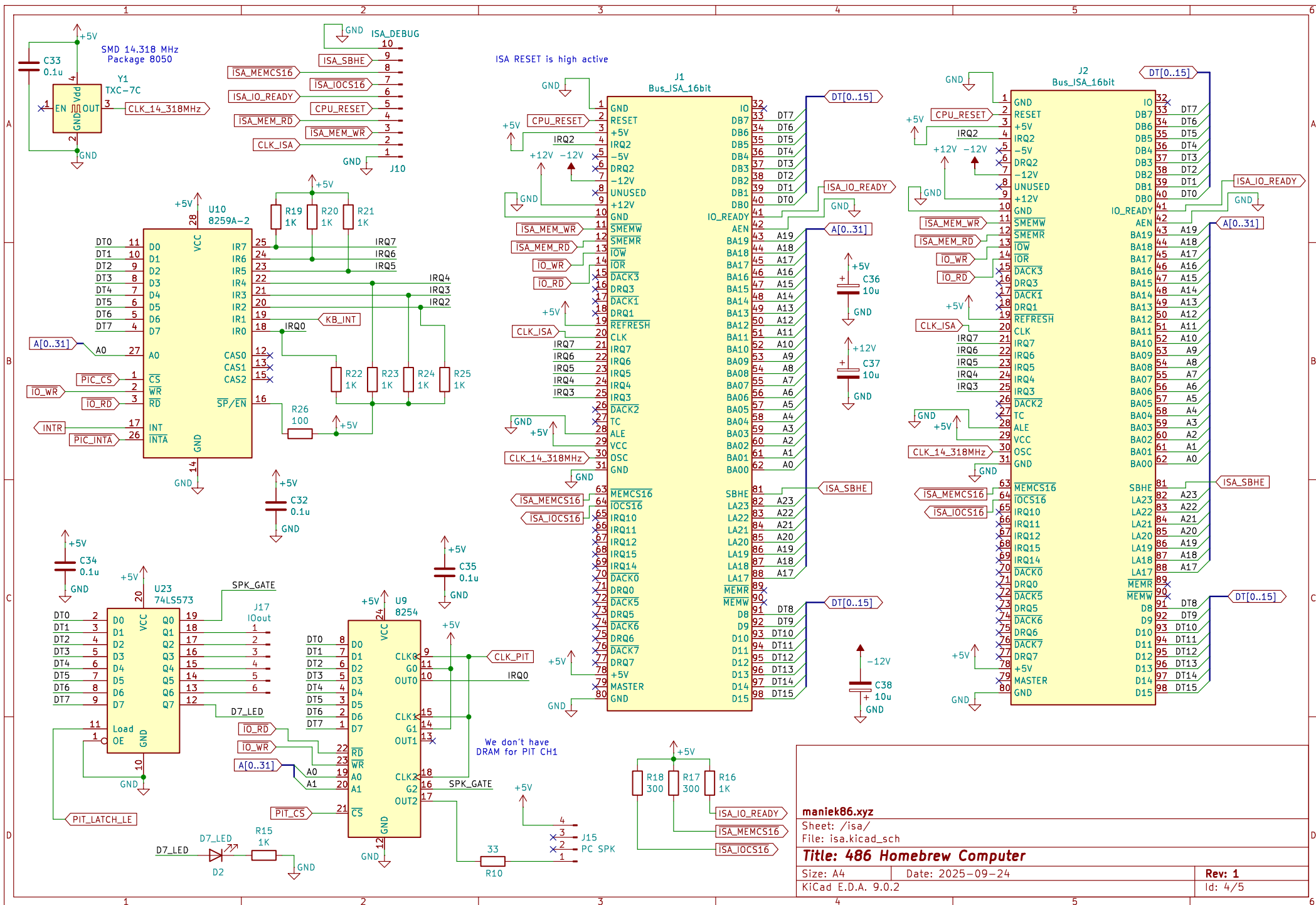
This homebrew specs:

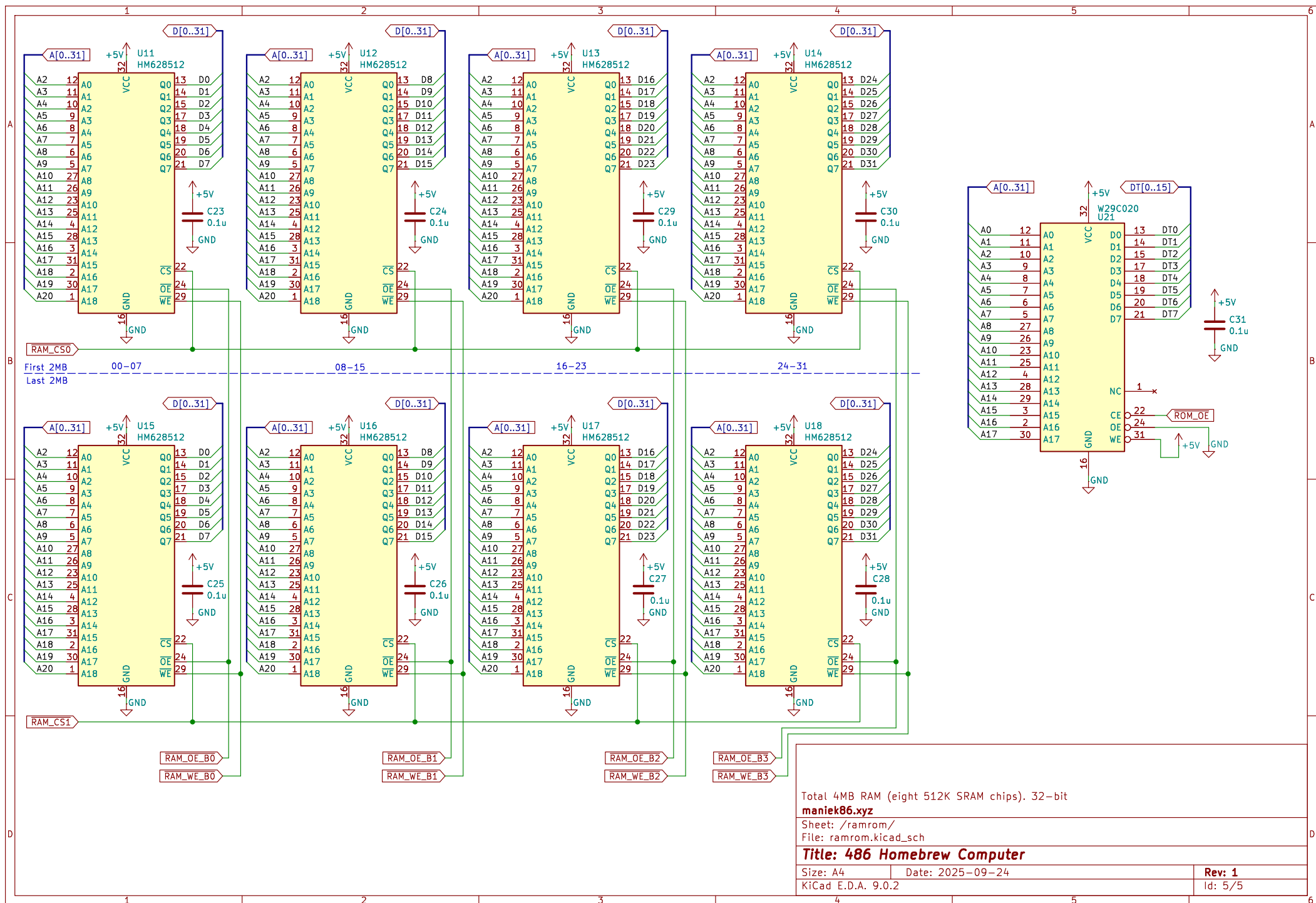
- 486 CPU
- XC2S100 FPGA as "chipset"
- 4MB of SRAM — 8x HM628512 (512KB chips) (32 bit, 2\*32bit access)
- 16 bit ISA slots, for various expansion inc. graphics and multi/io including uart
- onboard PIC (8259) and PIT (8253)
- crude KB controller implemented by FPGA

- H4 MountingHole
- H3 MountingHole
- H2 MountingHole
- H1 MountingHole









Total 4MB RAM (eight 512K SRAM chips). 32-bit  
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Sheet: /ramrom/  
 File: ramrom.kicad\_sch

**Title: 486 Homebrew Computer**

Size: A4 | Date: 2025-09-24  
 KiCad E.D.A. 9.0.2

**Rev: 1**  
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