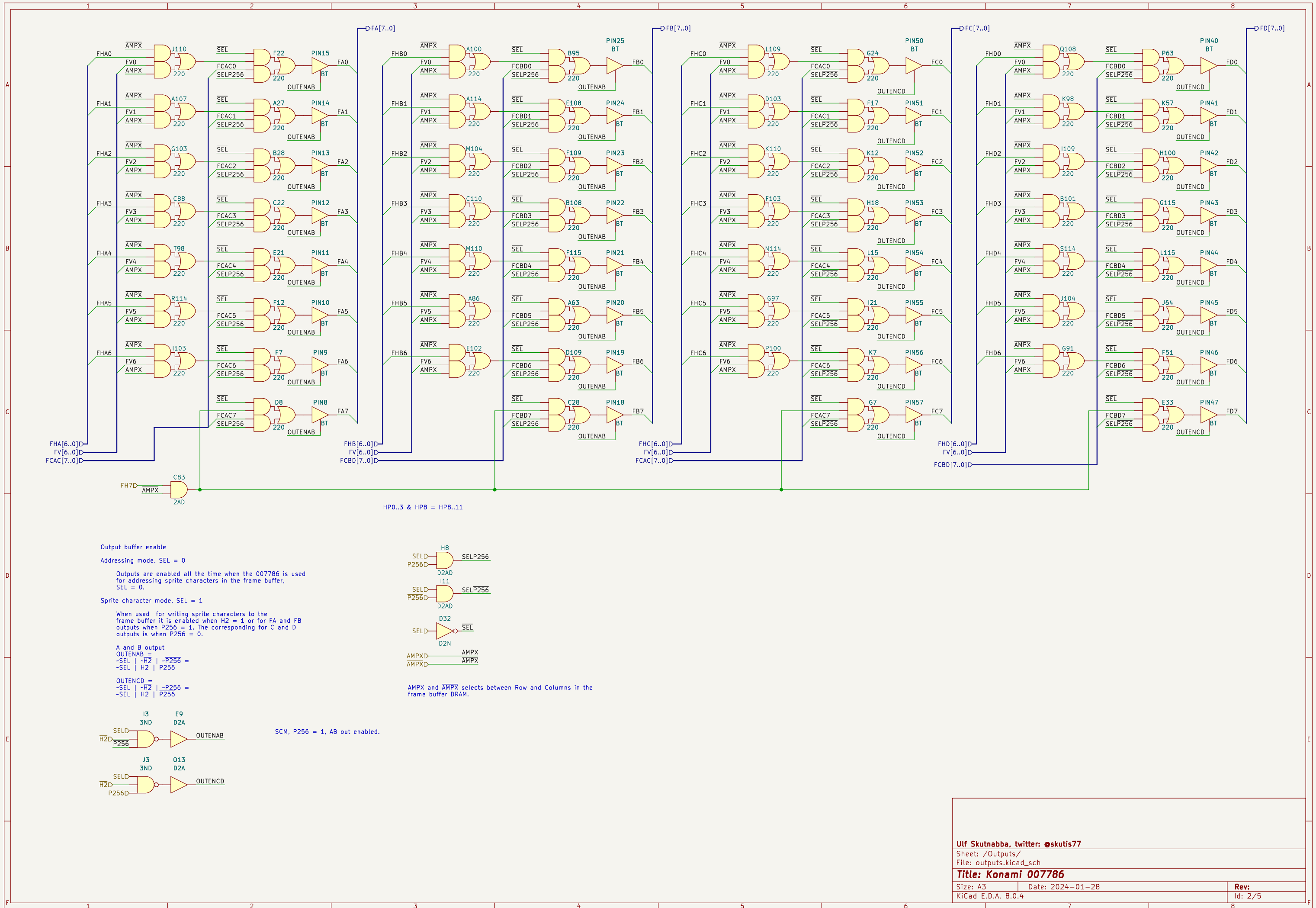


The 007786 is a sprite frame buffer controller.  
It works in two modes:  
- When SEL = 0, it generates addresses for the frame buffer.  
- When SEL = 1, it parses sprite character data  
It also handles refreshing of data in the DRAM memory.

The 007786 uses an OKI 74V000 CMOS gate array  
with 2400 unit cells.



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Sheet: /Outputs/  
File: outputs.kicad\_sch

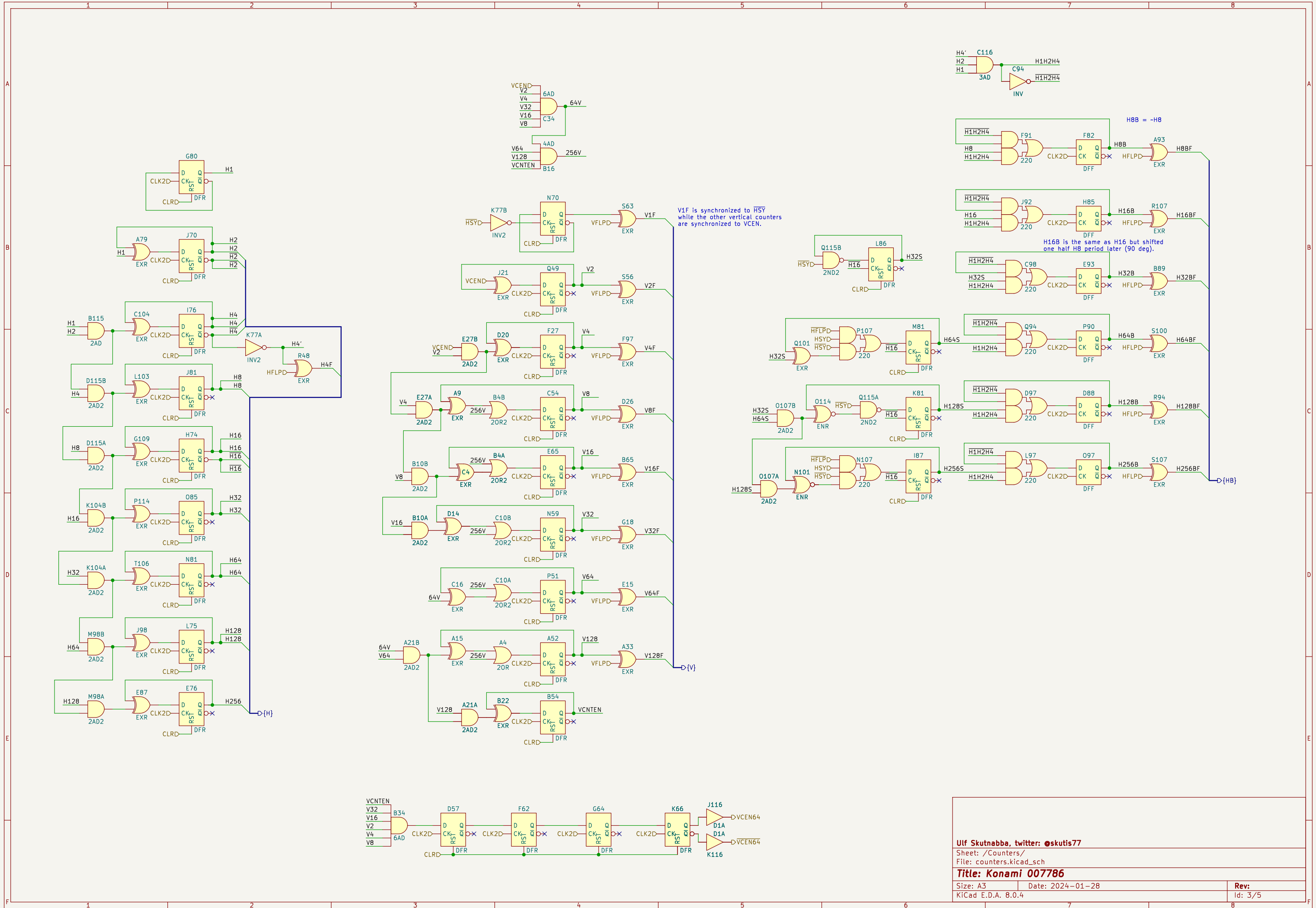
Title: Konami 007786

Size: A3 Date: 2024-01-28

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Rev:

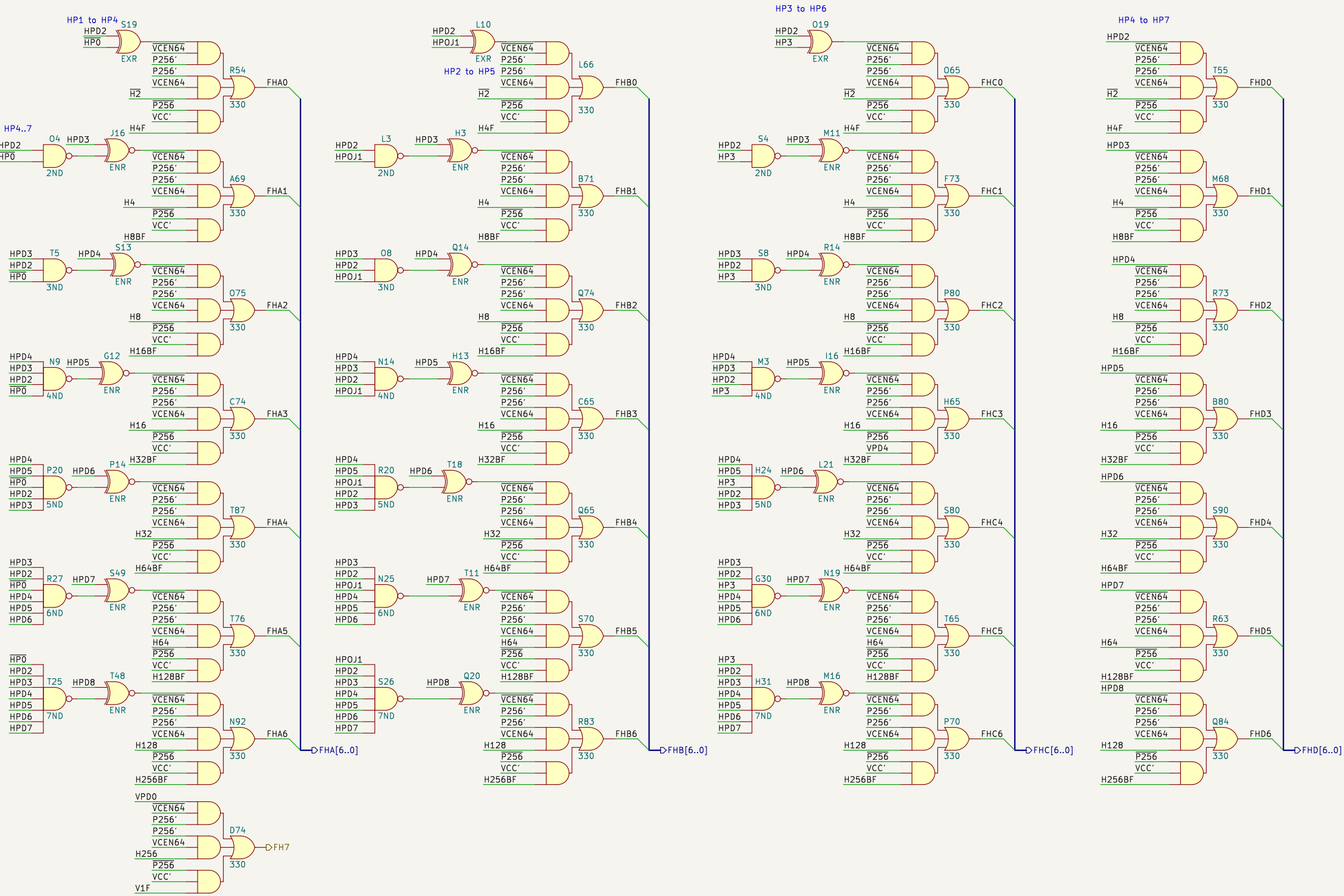
Id: 2/5



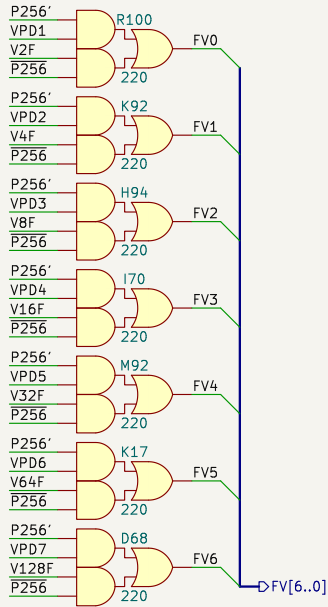


# Horizontal Position

VCEN64 active: Data is written to the frame buffer  
VCEN64 active, four times pre frame: Data is refreshed in DRAM, every 4ms.



# Vertical Position



P256' active: Write addressing  
P256 active: Read addressing

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Sheet: /Sprite Character Frame Buffer Position/  
File: scfbp.kicad\_sch

Title: Konami 007786

Size: A3 Date: 2024-01-28  
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Rev:  
Id: 5/5