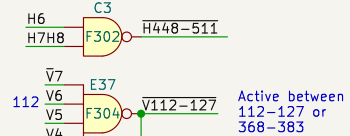
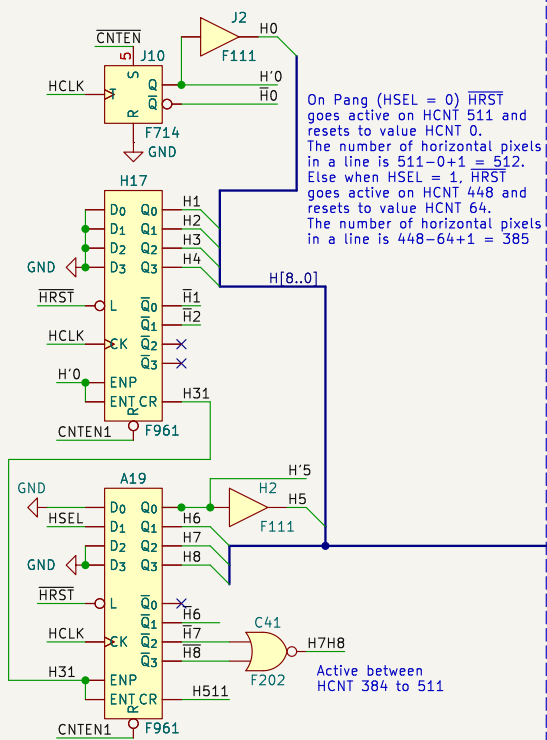
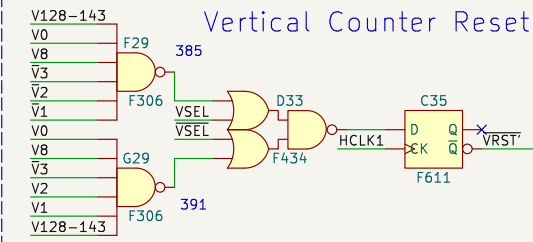


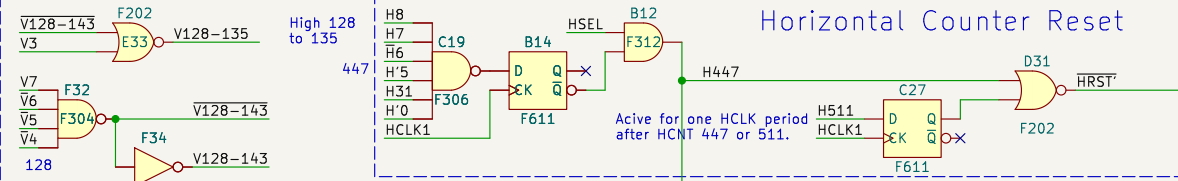
Horizontal Counter



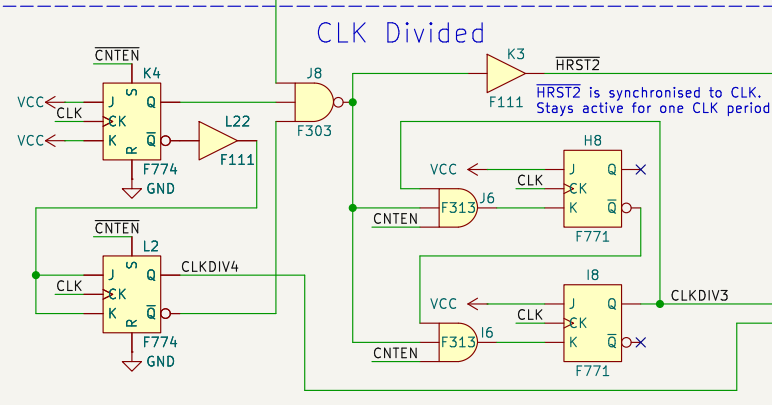
Vertical Counter Reset



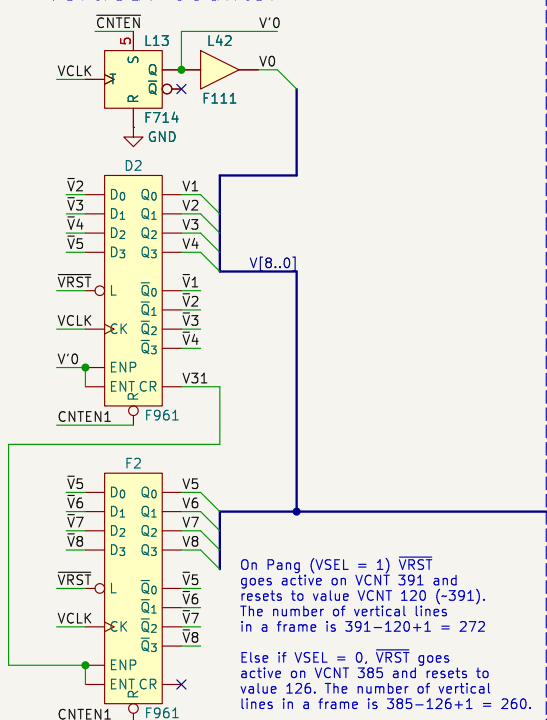
Horizontal Counter Reset



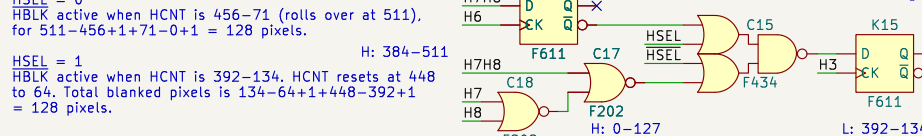
CLK Divided



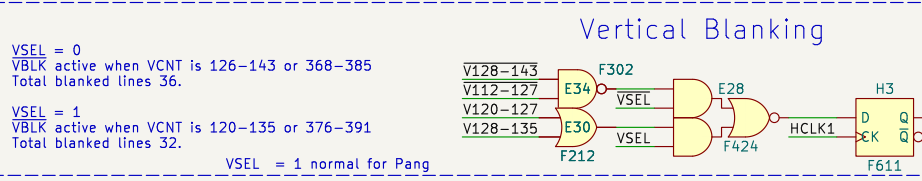
Vertical Counter



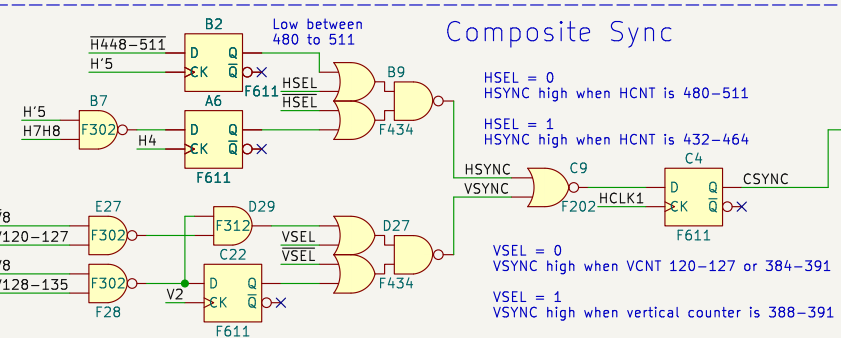
Horizontal Blanking



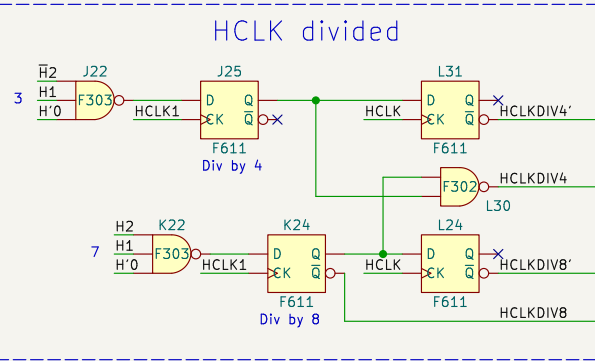
Vertical Blanking



Composite Sync



HCLK divided



Timing

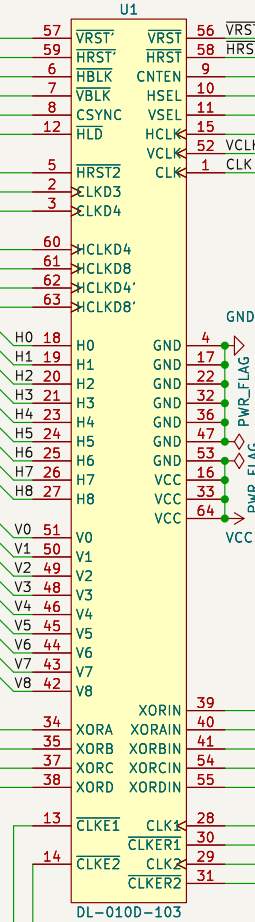
File: timing.kicad_sch

The Schematics have been analyzed from a die picture by InfoSecDJ.
The chip is identified as:

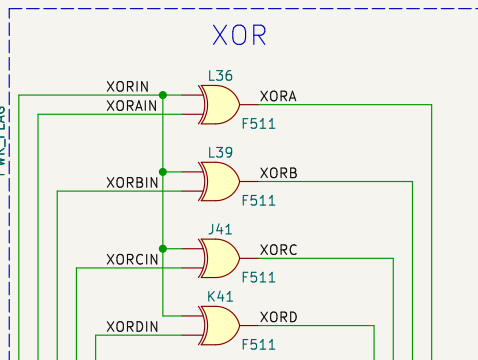
NEC
65006-103

It is a uPD65000 (CMOS-2) series, 3-micron gate array.
- 528 Basic Cells
- 12 Columns, 44 Rows

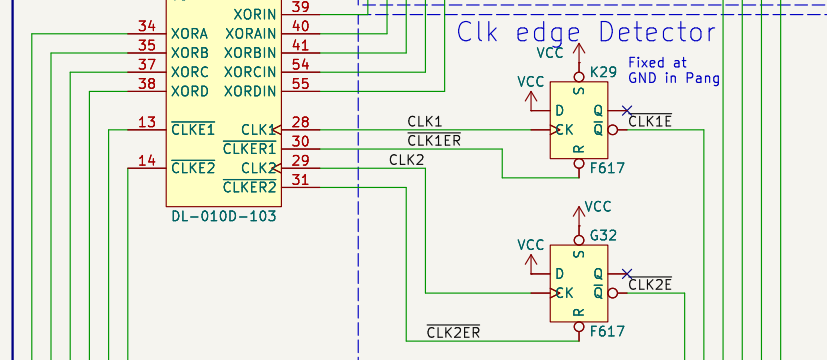
CNTEN Connected to VCC on pang



XOR



Clk edge Detector



Ulf Skutnabba, twitter: @skutis77

Sheet: /
File: dl-010d-103.kicad_sch

Title: Capcom DL-010D-103

Size: A3 Date: 2025-09-18
KiCad E.D.A. 8.0.9

Rev:
Id: 1/2



HSEL = 0, VSEL = 1 is used on all games on the Capcom/Mitchell platform.

Total pixels: 512

Active pixels: 384

Blanked pixels: 128

Pixel clock: 8Mhz

Hsync frequency: 15.625kHz

Vertical lines: 272

Blanked lines: 32

Vsync frequency: 57.44485Hz

Sheet: /Timing/
File: timing.kicad_sch

Title:

Size: A3

Date: 2025-09-18

Rev:

KiCad E.D.A. 8.0.9

Id: 2/2