VGA Adapter

Horizontal Timing Generator

10_1000_0000 HORIZONTAL_VISIBLE_AREA_PULSE
10_1001_0000 HORIZONTAL_FRONT_PORCH
10_1111_0000 HORIZONTAL_SYNC_PULSE
11_0010_0000 HORIZONTAL_BACK_PORCH
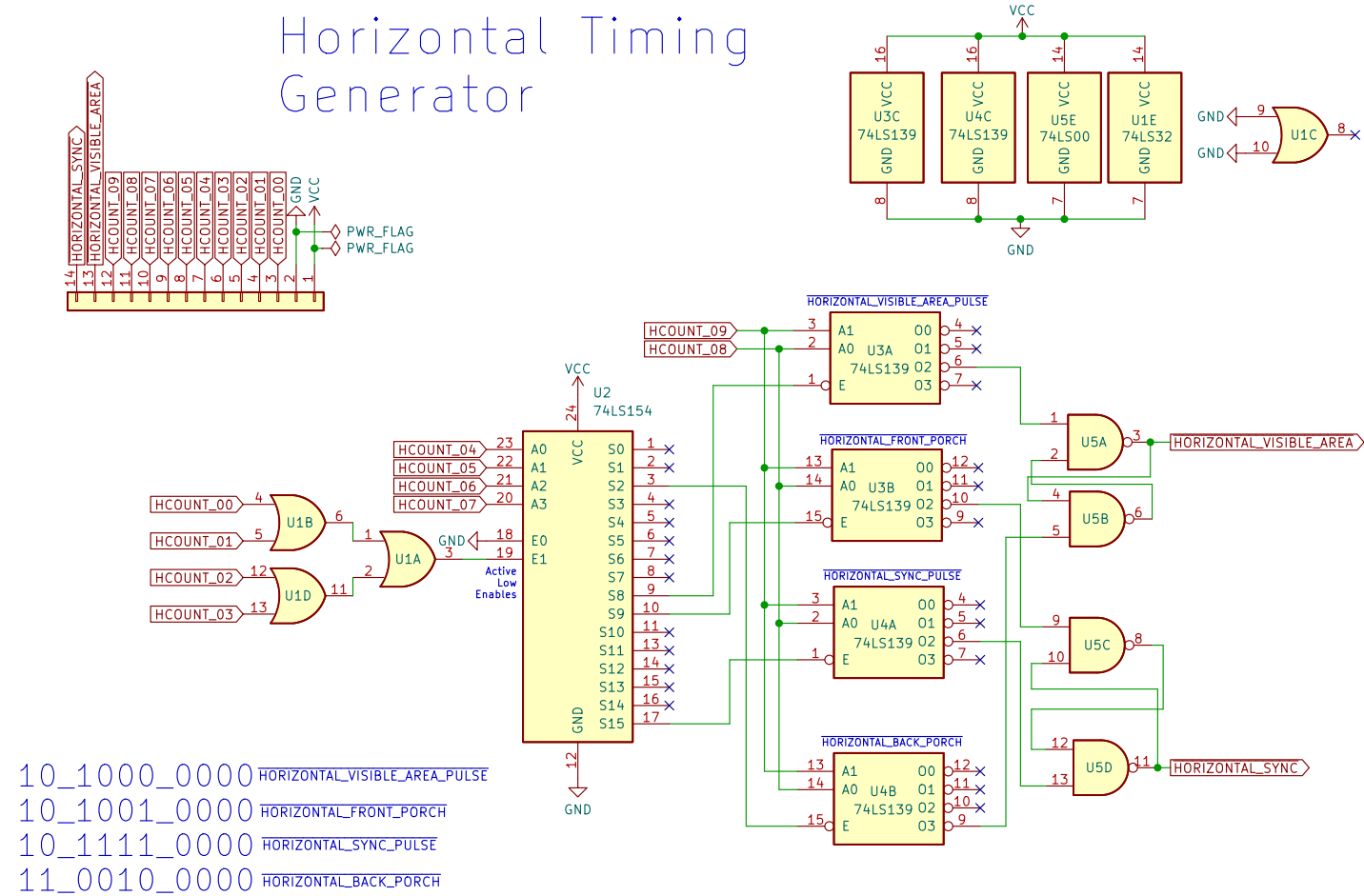
Vertical Timing Generator

01_1110_0000 VERTICAL_VISIBLE_AREA_PULSE
01_1110_1010 VERTICAL_FRONT_PORCH
01_1110_1100 VERTICAL_SYNC_PULSE
10_0000_1101 VERTICAL_BACK_PORCH