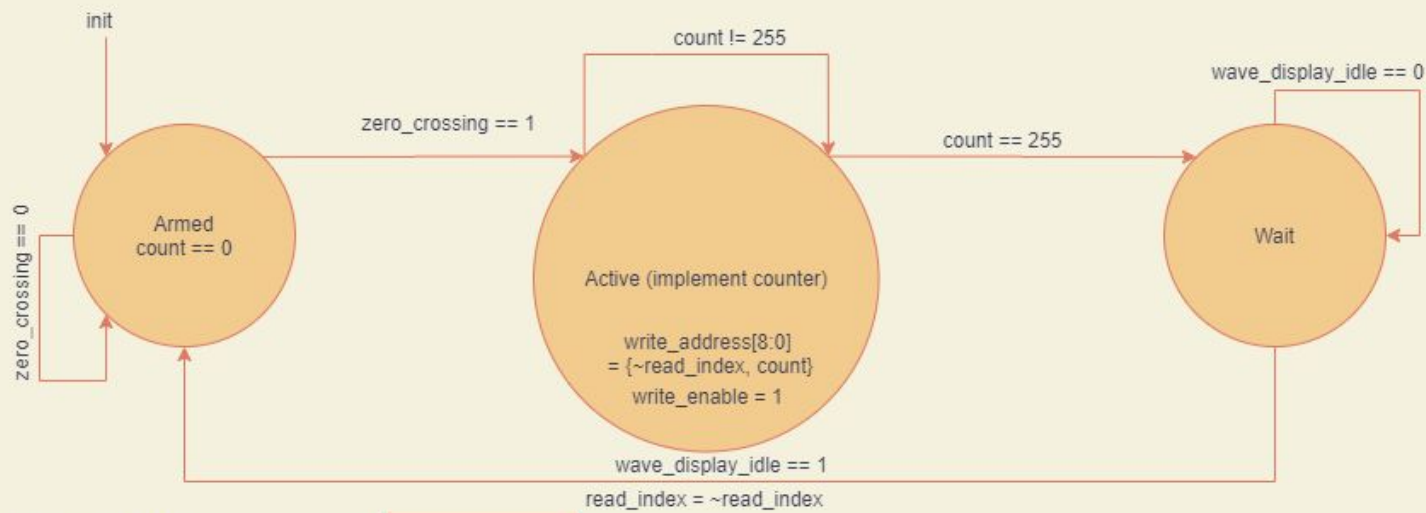
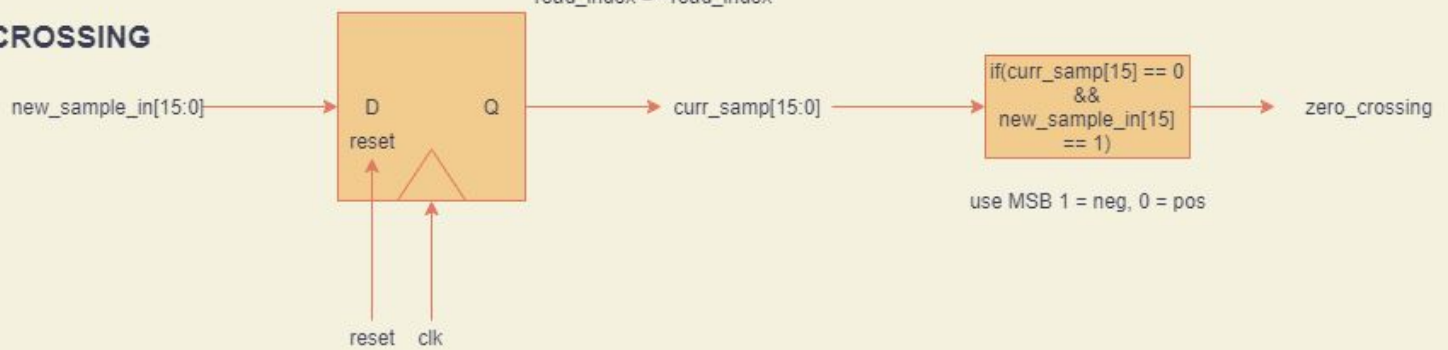


wave_capture

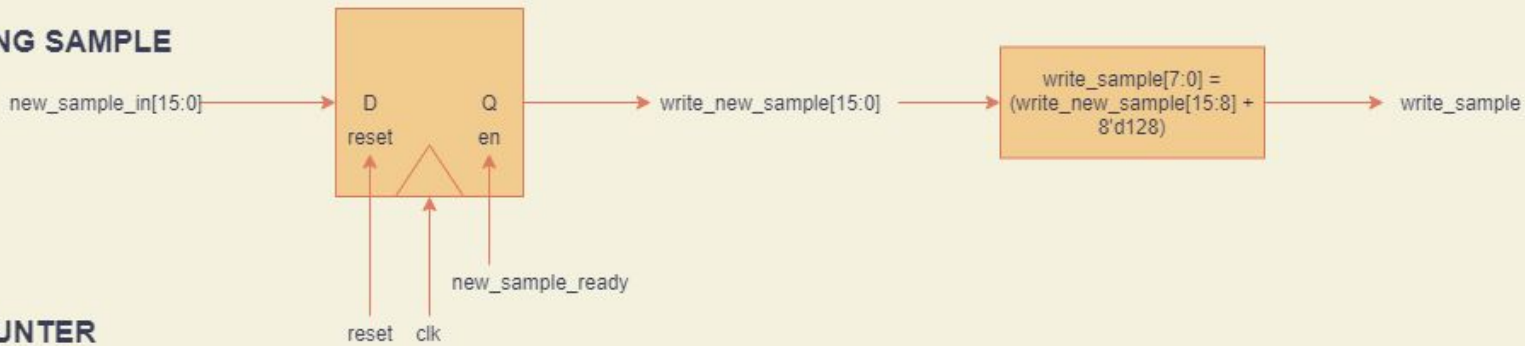
input: clk, reset, new_sample_ready, new_sample_in[15:0], wave_display_idle
output: write_address[8:0], write_enable, write_sample[7:0], read_index



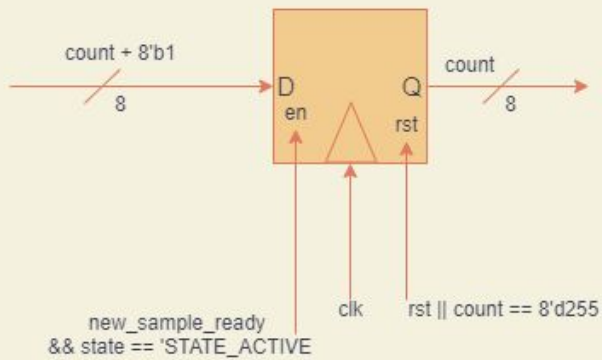
ZERO CROSSING



WRITING SAMPLE



COUNTER



wave_display

inputs: clk, reset, x[10:0], y[9:0], valid, read_index, read_value[7:0]
 outputs: read_address[8:0], valid_pixel, r[7:0], g[7:0]

