scc_tone_generator

reg_wave_length 2

00 : 32 samples
01 : 64 samples
10 : N/A (64 samples)
11 : 128 samples

7'd1

7'd0

ff_wave_address 7

[6:5]

MSB side

[4:0]

LSB side 7

wave_address

!nreset : 0
Only driven when active = 1

LD

address_reset

7'd1

7'd0

ff_frequency_counter 12

reg_frequency_count 12

7'd0

w_frequency_counter_end

!nreset : 0
Only driven when active = 1