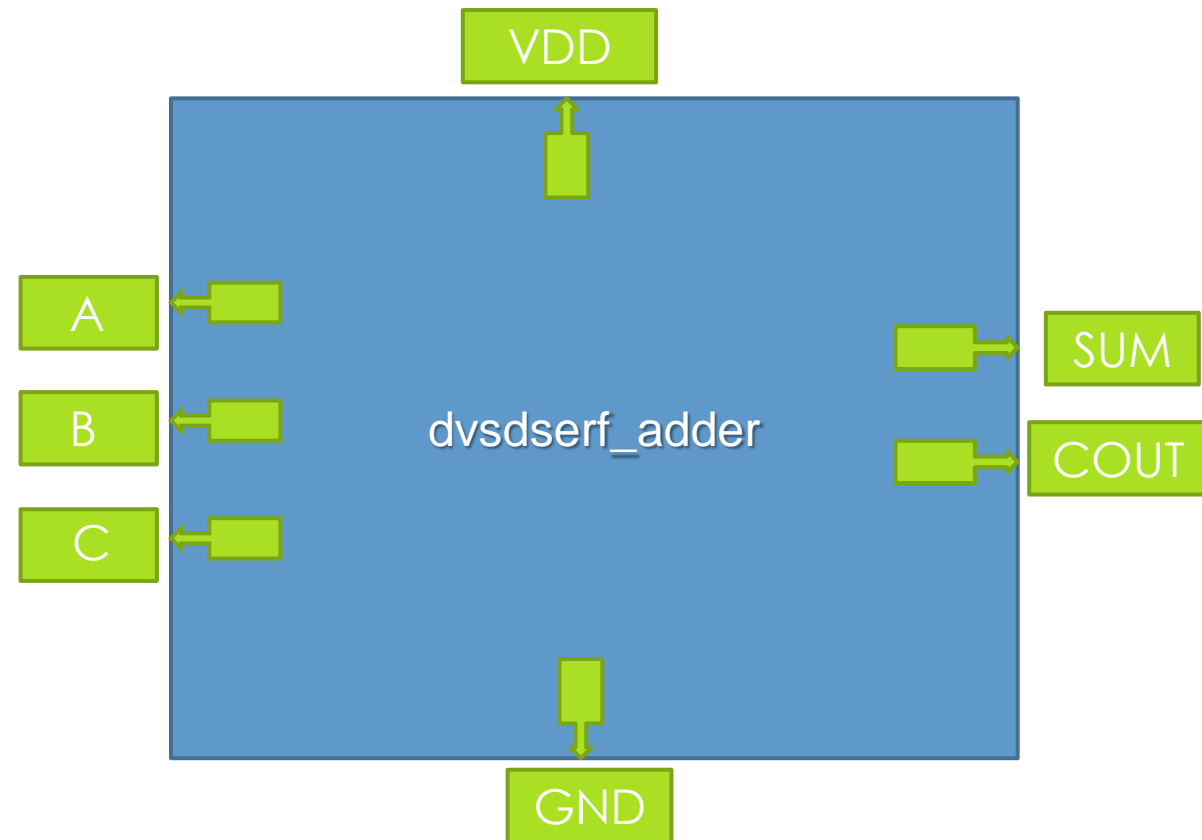


SERF
ADDER(DVSDSERF_ADDDER)
IP SPECS ON 130 NM
TECHNOLOGY NODE



DVSDSERF_ADDER PIN NODES

DVSDSERF_ADDER DIFFERENT OPERATING MODES

OPERATING MODES AT VDD = 1V

Parameters	Values
Power dissipation	29.346 nw
Delay	15.558 ns
PDP(10-17 Ws)	45.659

OPERATING MODES AT VDD = 2V

Parameters	Values
Power dissipation	2.338 uW
Delay	19.812 ns
PDP(10-17 Ws)	47.017

OPERATING MODES AT VDD = 3V

Parameters	Values
Power dissipation	71.554 uw
Delay	31.998 ns
PDP(10-17 Ws)	228.959

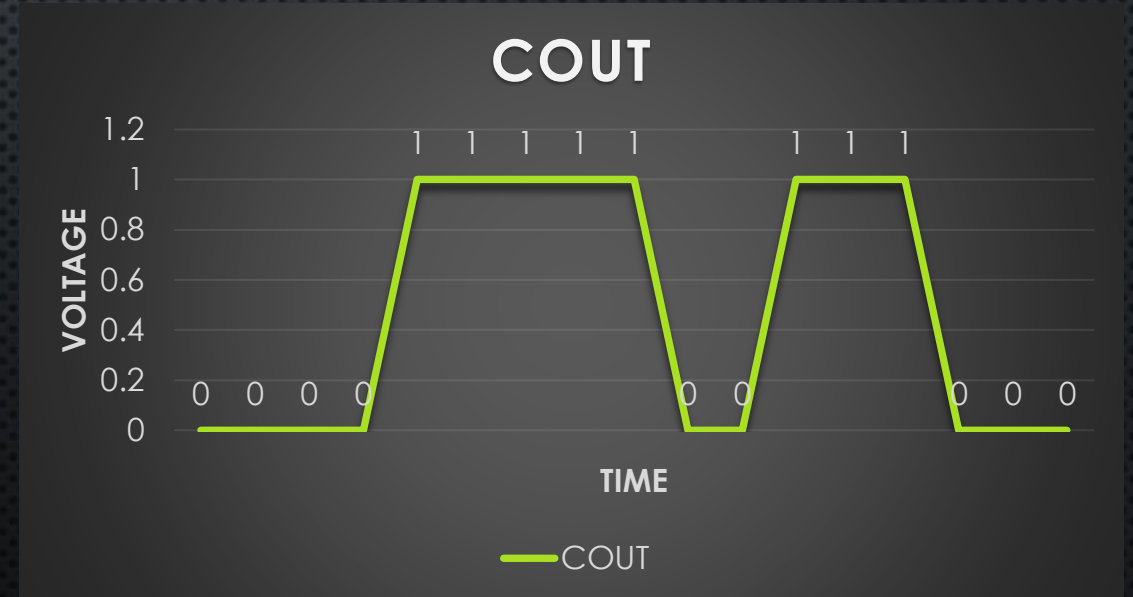
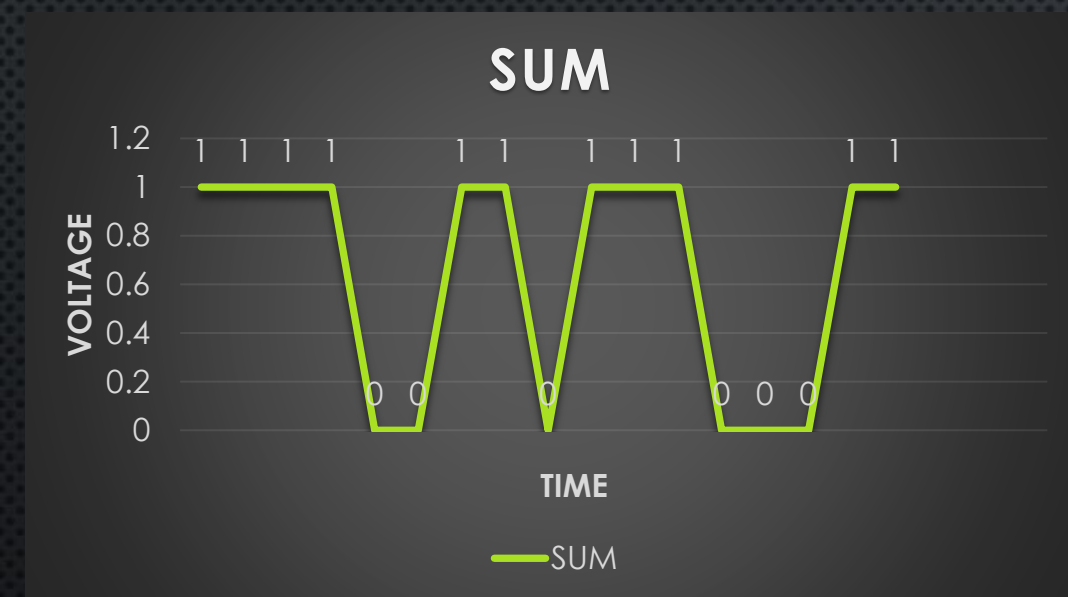
OPERATING MODES AT VDD = 4V

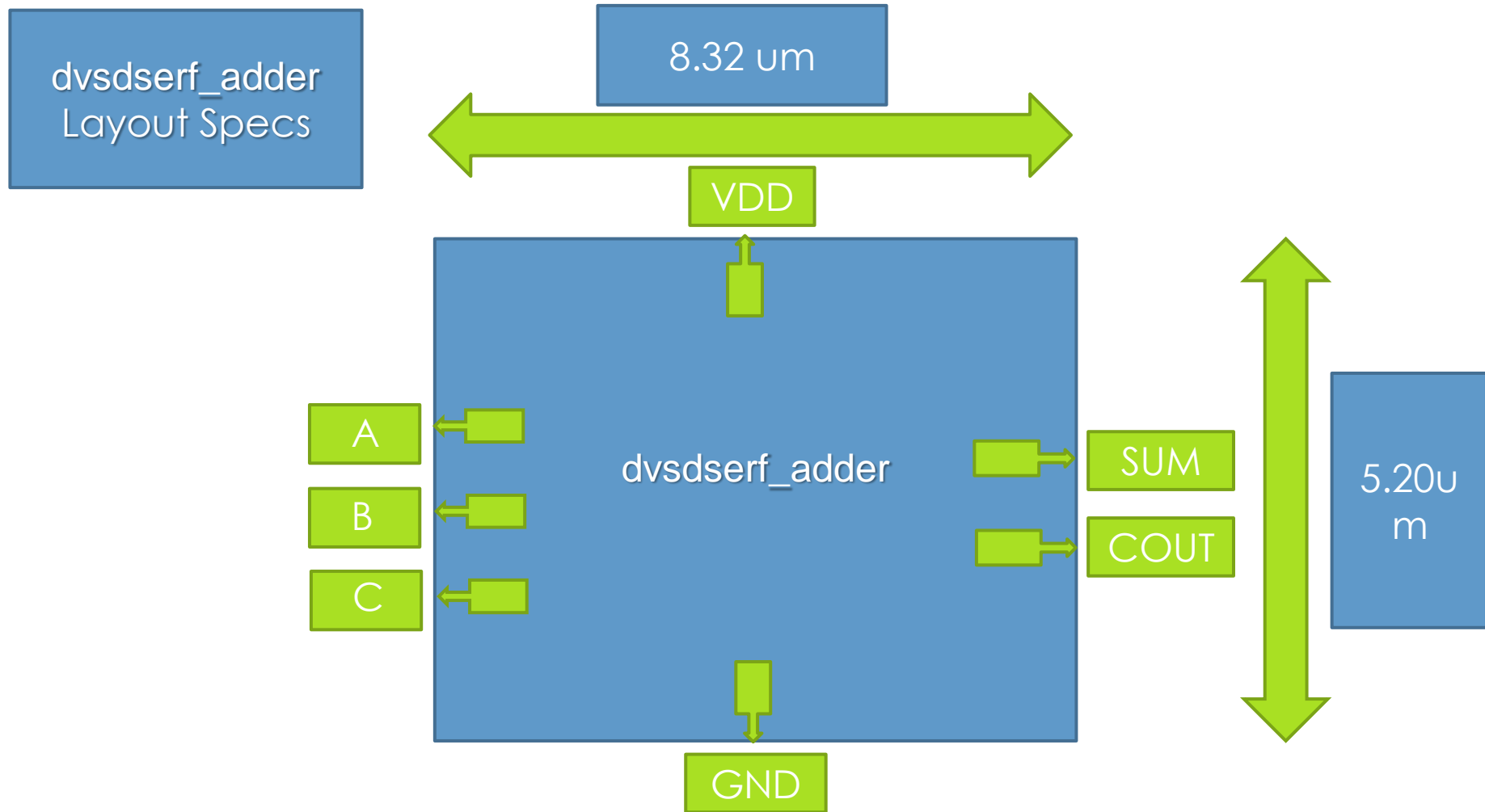
Parameters	Values
Power dissipation	560.796 uw
Delay	19.981 ns
PDP(10-17 Ws)	1120.523

OPERATING MODES AT VDD = 5V

Parameters	Values
Power dissipation	1.886 mw
Delay	31.583 ns
PDP(10-17 Ws)	5956.572

DVSDSERF_ADDER WAVEFORMS





LENGTH = 5.20 μm , WIDTH = 8.320 μm , AREA = 43.16 μm^2