

- When RIF process all the dataset, ap_done is generated via setting address to 0x01.

Resource Usage:

- Two Brams for tapRam and dataRam,
- Register including :three counters, state and register in MAC accumulation.

Site Type	Used	Fixed	Prohibited	Available	Util%
Slice LUTs*	263	0	0	53200	0.49
LUT as Logic	263	0	0	53200	0.49
LUT as Memory	0	0	0	17400	0.00
Slice Registers	155	0	0	106400	0.15
Register as Flip Flop	123	0	0	106400	0.12
Register as Latch	32	0	0	106400	0.03
F7 Muxes	0	0	0	26600	0.00
F8 Muxes	0	0	0	13300	0.00

2. Memory

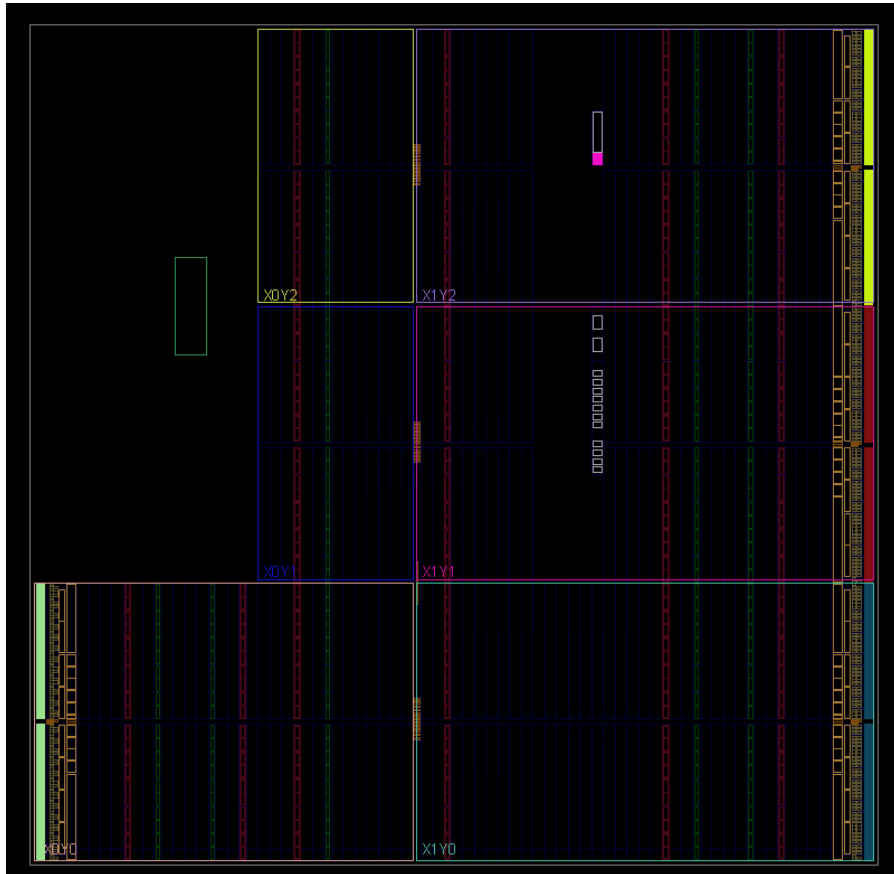
Site Type	Used	Fixed	Prohibited	Available	Util%
Block RAM Tile	0	0	0	140	0.00
RAMB36/FIFO*	0	0	0	140	0.00
RAMB18	0	0	0	280	0.00

Timing Report:

Name	Waveform	Period (ns)	Frequency (MHz)
axis_clk	{0.000 8.500}	17.000	58.824

Setup	Hold	Pulse Width
Worst Negative Slack (WNS): 1.274 ns	Worst Hold Slack (WHS): 0.140 ns	Worst Pulse Width Slack (WPWS): 8.000 ns
Total Negative Slack (TNS): 0.000 ns	Total Hold Slack (THS): 0.000 ns	Total Pulse Width Negative Slack (TPWS): 0.000 ns
Number of Failing Endpoints: 0	Number of Failing Endpoints: 0	Number of Failing Endpoints: 0
Total Number of Endpoints: 528	Total Number of Endpoints: 528	Total Number of Endpoints: 124

All user specified timing constraints are met.



Simulation Waveform:

