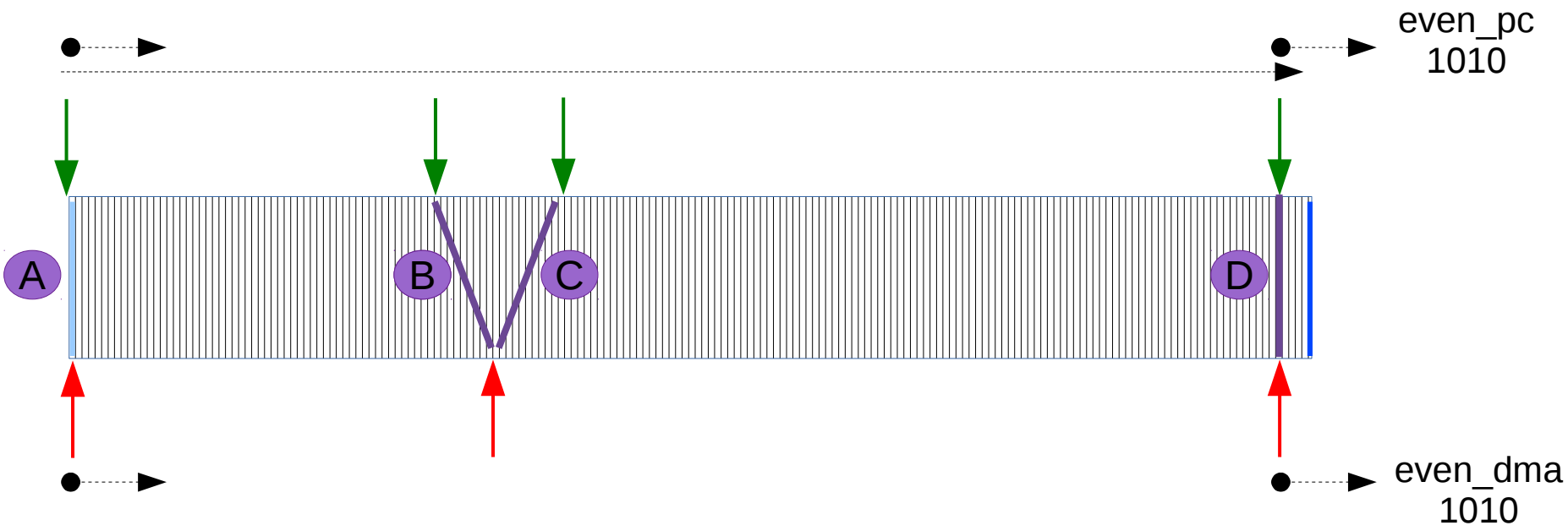
Legend:

- Write → ToHost
- Read → ToCoreApp

wrap

single



reg type	
W	DMA_DESC: end – start address
W	DMA_DESC_a: rd_pointer – **wrap_around** – r_**w** – num_words
R	DMA_DESC_STATUS: even_pc – even_dma – desc_done – current_address
W	DMA_DESC_ENABLE: 7 … 0

A Initial condition: rd_pointer < current_address

B First round: rd_pointer < current_address

C Second round: rd_pointer < current_address
(check even_dma to see if wrapped)

D Corner case: rd_pointer = current_address
(it shouldn't occur → stop reading)