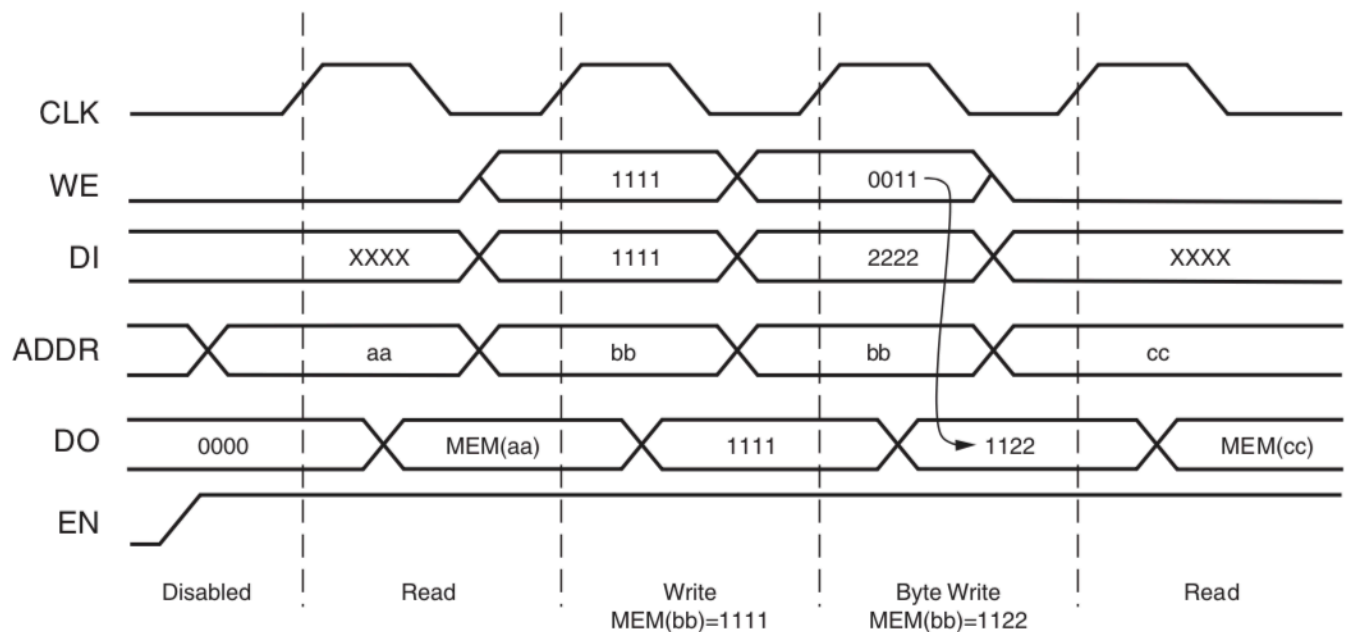# Byte-wide Write Enable

The byte-wide write enable feature of block RAM gives the capability to write eight bit (one byte) portions of incoming data. There are up to four independent byte-wide write enable inputs to the true dual-port RAM. Each byte-wide write enable is associated with one byte of input data and one parity bit. This feature is useful when using block RAM to interface with a microprocessor.

Byte-wide Write Operation Waveforms