

APB Pulse Width Modulator

DESCRIPTION

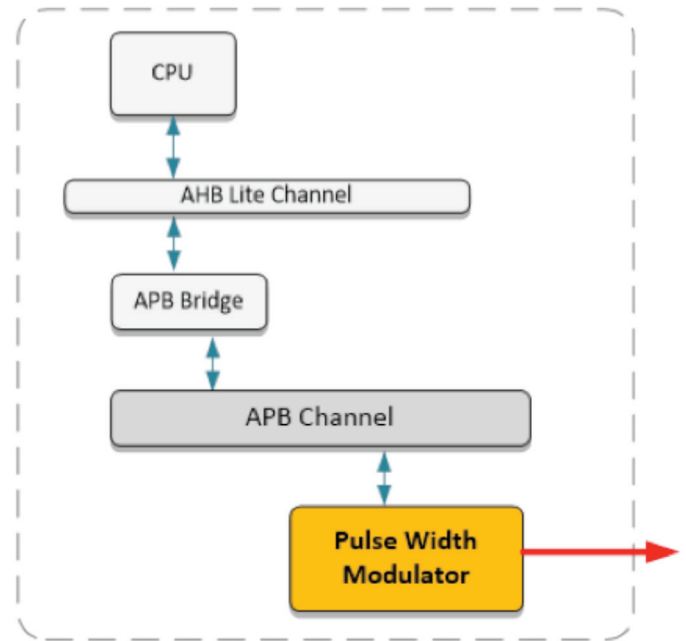
The APB PWM Module is a standard APB peripheral that generates a programmable duty-cycle output signal. The frequency of the output waveform is either 256 or 4096, depending on whether a 4-bit prescaler is enabled. The duty cycle can be programmed with 8-bit resolution from either the APB interface or from an external controller interface. The output can be disabled or enabled. Disabling resets the counter to zero for the next enable.

APB PULSE WIDTH MODULATOR IP CORE FEATURES

- AMBA® APB Compatible
- Prescale and non-prescale modes
- 4-bit prescaler
- 8-bit counter/accumulator
- Strobe and Data input for synchronization

APB PULSE WIDTH MODULATOR IP CORE DELIVERABLES

- Verilog Source
- Complete Test Environment
- APB Bus Functional Model
- C-Sample Code



For more information, please contact us at ip@silvaco.com.