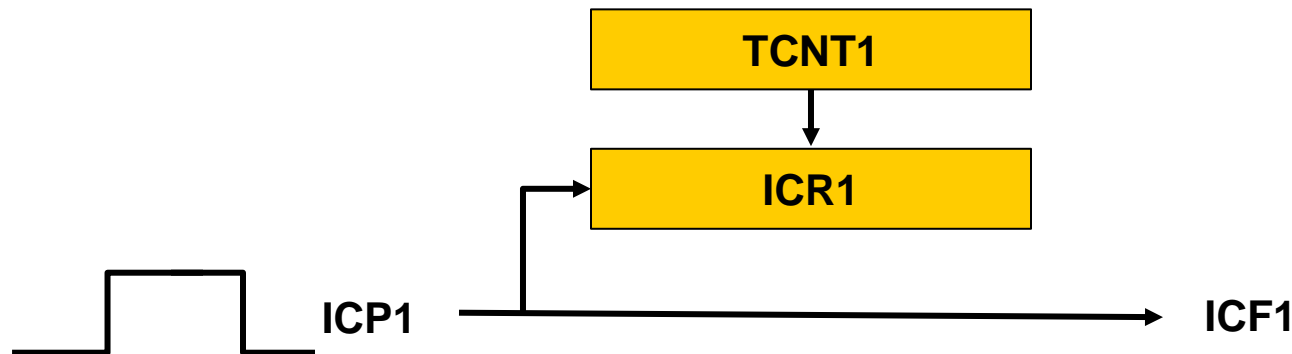


Peripheral Modules: TIMERS

Events on timers (cont.)

Input Capture:

With Timer_1 it is possible to capture the current value of the timer before external events. A change in the **ICP1** terminal causes the **TCT1** record to be read and stored in the **ICR1** (Input Capture Register 1) register.



The event is indicated by the **ICFn** (Input Capture Flag) flag.

Since it can be configured to generate an interruption with the rising edge of descent, the events can be useful to measure the width of external pulses.