

(RTC). When AS2 is set, pins TOSC1 and TOSC2 are disconnected from Port C. A crystal can then be connected between the TOSC1 and TOSC2 pins to serve as an independent clock source for Timer/Counter2. The Oscillator is optimized for use with a 32.768 kHz crystal.

For Timer/Counter2, the possible prescaled selections are: $\text{clk}_{T2S}/8$, $\text{clk}_{T2S}/32$, $\text{clk}_{T2S}/64$, $\text{clk}_{T2S}/128$, $\text{clk}_{T2S}/256$, and $\text{clk}_{T2S}/1024$. Additionally, clk_{T2S} as well as 0 (stop) may be selected. Setting the PSRASY bit in GTCCR resets the prescaler. This allows the user to operate with a predictable prescaler.