

(one)) to serve this function. The OC1A pin is also the output pin for the PWM mode timer function.

PCINT1: Pin Change Interrupt source 1. The PB1 pin can serve as an external interrupt source.

• ICP1/CLKO/PCINT0 – Port B, Bit 0

ICP1, Input Capture Pin: The PB0 pin can act as an Input Capture Pin for Timer/Counter1.

CLKO, Divided System Clock: The divided system clock can be output on the PB0 pin. The divided system clock will be output if the CKOUT Fuse is programmed, regardless of the PORTB0 and DDB0 settings. It will also be output during reset.

PCINT0: Pin Change Interrupt source 0. The PB0 pin can serve as an external interrupt source.

Table 11-4 and Table 11-5 on page 85 relate the alternate functions of Port B to the overriding signals shown in Figure 11-5 on page 80. SPI MSTR INPUT and SPI SLAVE OUTPUT constitute the MISO signal, while MOSI is divided into SPI MSTR OUTPUT and SPI SLAVE INPUT.

Table 11-4. Overriding Signals for Alternate Functions in PB7..PB4

Signal Name	PB7/XTAL2/ TOSC2/PCINT7 ⁽¹⁾	PB6/XTAL1/ TOSC1/PCINT6 ⁽¹⁾	PB5/SCK/ PCINT5	PB4/MISO/ PCINT4
PUOE	$\overline{\text{INTRC}} \cdot \overline{\text{EXTCK}} + \text{AS2}$	$\overline{\text{INTRC}} + \text{AS2}$	$\text{SPE} \cdot \overline{\text{MSTR}}$	$\text{SPE} \cdot \text{MSTR}$
PUOV	0	0	$\text{PORTB5} \cdot \overline{\text{PUD}}$	$\text{PORTB4} \cdot \overline{\text{PUD}}$
DDOE	$\overline{\text{INTRC}} \cdot \overline{\text{EXTCK}} + \text{AS2}$	$\overline{\text{INTRC}} + \text{AS2}$	$\text{SPE} \cdot \overline{\text{MSTR}}$	$\text{SPE} \cdot \text{MSTR}$
DDOV	0	0	0	0
PVOE	0	0	$\text{SPE} \cdot \text{MSTR}$	$\text{SPE} \cdot \overline{\text{MSTR}}$
PVOV	0	0	SCK OUTPUT	SPI SLAVE OUTPUT
DIEOE	$\overline{\text{INTRC}} \cdot \overline{\text{EXTCK}} + \text{AS2} + \text{PCINT7} \cdot \text{PCIE0}$	$\overline{\text{INTRC}} + \text{AS2} + \text{PCINT6} \cdot \text{PCIE0}$	$\text{PCINT5} \cdot \text{PCIE0}$	$\text{PCINT4} \cdot \text{PCIE0}$
DIEOV	$(\overline{\text{INTRC}} + \overline{\text{EXTCK}}) \cdot \overline{\text{AS2}}$	$\text{INTRC} \cdot \overline{\text{AS2}}$	1	1
DI	PCINT7 INPUT	PCINT6 INPUT	PCINT5 INPUT SCK INPUT	PCINT4 INPUT SPI MSTR INPUT
AIO	Oscillator Output	Oscillator/Clock Input	—	—

Notes: 1. INTRC means that one of the internal RC Oscillators are selected (by the CKSEL fuses), EXTCK means that external clock is selected (by the CKSEL fuses)