## Fast Facts

## Input/Output Components



The table below lists devices along with their associated DAC and ADC delays.

| Device | SD DAC | SD ADC | PCM DAC | PCM ADC |
| :--- | :--- | :--- | :--- | :--- |
| RZ2, RZ5, RZ5D, IZ2 | NA | NA | 4 samples | 3 samples |
| RZ6 | 31 samples | 66 samples | NA | NA |
| RX5, RX7, MS16 | NA | NA | 4 samples | NA |
| RX6 | 43 samples | 70 samples | NA | NA |
| RX8 | 23 samples | 47 samples | 4 samples | 3 samples |
| RP2.1 | 65 samples | 30 samples | NA | NA |
| RA16BA | 21 samples | NA | NA | NA |
| RA16PA | NA | 20 samples | $N A$ | 3 |

## RZ Processor Digital I/O

The RZ Processors include 24 bits of programmable digital $I / 0$, two word addressable bytes and eight bit addressible bits. Direction of bytes and bits [in/out] can be set in the corresponding device specific control macro for the device, RZ2_Control, RZ5_Control, RZ5D_ Control, RZG_Control. See below for components/ bitmasks to address bytes/bits.


Bitmasks to Use for Accessing Byte Addressable Digital I/O with Wordln, WordOut Components

| Port | Byte/Bits | Bitmask [Integer] |
| :--- | :--- | :--- |
| Port A | Byte A [bits 0-7] | $M=255$ |
| Port B | Byte B [bits 0-7] | $M=65280$ |

## Reading Bytes A and B



## Writing to Bytes A and B



## Reading Bits from a Byte



Bitmasks to Use for Accessing Bit Addressable Digital I/O with Bitln, BitOut Components


Port C As Outputs


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