Bit number				31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
ID				A A A A
Reset 0x00000000				**0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0**

ID	R/W	Field	Value ID	Value	Description
A	RW	ENABLE			Enable or disable SPIM
			Disabled	0	Disable SPIM
			Enabled	7	Enable SPIM

8.19.8.23 PRESCALER

Address offset: 0x52C

The prescaler is used to set the SPI frequency.

The prescaler divides the core clock by the divisor to make the SPI clock. The resulting frequency is given by 'core clock' / DIVISOR. Different instances of the SPIM might have different core clocks. The SPIM core clock and divisor limits is given in the instance table in Instances on page 588.

Note that a low prescaler setting may require changing the default RXDELAY value to ensure correct sampling.

Only even numbers is allowed for the divisor.

Bit number				31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
ID				A A A A A A A
Reset 0x00000040				**0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0**

ID	R/W	Field	Value ID	Value	Description
A	RW	DIVISOR		2..126	Core clock to SCK divisor

8.19.8.24 CONFIG

Address offset: 0x554

Configuration register

Bit number				31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
ID				C B A
Reset 0x00000000				**0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0**

ID	R/W	Field	Value ID	Value	Description
A	RW	ORDER			Bit order
			MsbFirst	0	Most significant bit shifted out first
			LsbFirst	1	Least significant bit shifted out first
B	RW	CPHA			Serial clock (SCK) phase
			Leading	0	Sample on leading edge of clock, shift serial data on trailing edge
			Trailing	1	Sample on trailing edge of clock, shift serial data on leading edge
C	RW	CPOL			Serial clock (SCK) polarity
			ActiveHigh	0	Active high
			ActiveLow	1	Active low

8.19.8.25 IFTIMING.RXDELAY

Address offset: 0x5AC

Sample delay for input serial data on SDI

If the value is written larger than the maximum value, the maximum value will be used.