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
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 PWM module
			Disabled	0	Disabled
			Enabled	1	Enable

8.15.5.29 MODE

Address offset: 0x504

Selects operating mode of the wave counter

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
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	UPDOWN			Selects up mode or up-and-down mode for the counter
			Up	0	Up counter, edge-aligned PWM duty cycle
			UpAndDown	1	Up and down counter, center-aligned PWM duty cycle

8.15.5.30 COUNTERTOP

Address offset: 0x508

Value up to which the pulse generator counter counts

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 A A A A A A A A A
Reset 0x000003FF				**0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1**
ID	R/W	Field	Value ID	Value	Description
A	RW	COUNTERTOP		[3..32767]	Value up to which the pulse generator counter counts. This register is ignored when DECODER.MODE=WaveForm and only values from RAM are used.

8.15.5.31 PRESCALER

Address offset: 0x50C

Configuration for PWM_CLK

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
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	PRESCALER			Prescaler of PWM_CLK
			DIV_1	0	Divide by 1 (16 MHz)
			DIV_2	1	Divide by 2 (8 MHz)
			DIV_4	2	Divide by 4 (4 MHz)
			DIV_8	3	Divide by 8 (2 MHz)
			DIV_16	4	Divide by 16 (1 MHz)
			DIV_32	5	Divide by 32 (500 kHz)
			DIV_64	6	Divide by 64 (250 kHz)
			DIV_128	7	Divide by 128 (125 kHz)