1 PWM DRIVER

1.1 Type Definitions

1.1.1 Pwm_TimerNumber

Name	PWM_TimerNumber
Type	enum
Values	TIMER_0 TIMER_1 TIMER_2 TIMER_3 TIMER_4 TIMER_5

1.1.2 Pwm_TimerMode

Name	PWM_TimerMode
Type	enum
Values	PWM ONE_SHOT REAL_TIME INPUT_EDGE

1.1.3 Pwm_TimerA

Name	PWM_TimerA
Type	enum
Values	TIMER_A_DISABLED TIMER_A_ENABLED

1.1.4 Pwm_TimerB

Name	PWM_TimerA
Type	enum
Values	TIMER_B_DISABLED TIMER_B_ENABLED

1.1.5 Pwm_TimerInversion

Name	PWM_TimerA
Type	enum
Values	NON_INVERTED INVERTED

1.1.6 Pwm_TimerConcatenate

Name	PWM_TimerConcatenate

Type	enum
Values	CONCATENATE NO_CONCATENATION=4

1.1.7 Pwm_TimerConfigStruct

Name	PWM_TimerConfigStruct
Type	struct
Values	PWM_TimerNumber PWM_TN PWM_TimerMode PWM_TM PWM_TimerInversion *PWM_TI PWM_TimerConcatenate PWM_TC PWM_TimerA PWM_TA PWM_TimerB PWM_TB uint32_t *PWM_PreScalar

1.2 Functions Definitions

1.2.1 TIMER_init

Name	TIMER_init
Prototype	void TIMER_init (const PWM_TimerConfigStruct *);
Input	const PWM_TimerConfigStruct *
Return	Void
Description	This function is used to set the settings of timer module

1.2.2 Timer_PwmOut

Name	Timer_PWMOut
Prototype	void PWMOut (uint16_t);
Input	uint16_t
Return	Void
Description	This function is used to map the ADC 12-Bit value to the right Duty Cycle value