

## 1.MCAL

## 1.1. DIO APIs

## 1.2. TIMER APIS

```
E_status TIMER_init(ST_TIMER_config_t* configurations);
E_status TIMER_Start(uint64_t au64_ticks);
E_status TIMER_Read(uint8_t *au8_value);
E_status TIMER_Set(uint8_t au8_value);
E_status TIMER_Checkstatus(uint8_t * au8_status);

typedef ST_TIMER_config_t{
EN_timerno_t timer_no;
EN_timerclk_t timer_clk;
EN_timermode_t mode;
}ST_TIMER_config_t{
```

# 1.3. PWM APIs

```
E_status PWM_init(ST_PWM_config_t* configurations);
E_status TIMER_Start(EN_frequency_t frequency, EN_duty_t dutycycle);
E_status TIMER_Steering(EN_sterring_t steering);
E_status TIMER_Stop(void);
```

#### 2. HAL

# 2.1. Buttons APIs

```
E_status Button_init(EN_BTN_config_t configurations);
E_status Button_GetState(uint8_t* au8_status);
```

#### 2.2. MOTOR APIs

```
E_status MOTOR_init(void);
E_status MOTOR_SetDirection(EN_DIR_t Direction);
E_status MOTOR_SetSpeed(EN_Speed_t DutyCycle);
E_status MOTOR_Stop(void);
```

#### 3. APP APIs

```
E_status CAR_init(void);
E_status CAR_update(void);
```