

# BUZZER Driver for AVR Microcontrollers

Version: 1<sup>st</sup>

Date: 26/10/2023

- **API specification**

## 1.1 Type definitions

<b>Name:</b>	BUZZER_config_t
<b>Type:</b>	STRUCT
<b>Element:</b>	<u>DIO_PIN_ID</u> pin_id; <u>DIO_PORT_ID</u> port_id; <u>DIO_PIN_DIRECTION_TYPE</u> pin_direction;;
<b>Description:</b>	Type definition for a BUZZWE configuration.

## 2. Function definitions

Service name:	<b>BUZZER_init</b>
Syntax:	<b>void BUZZER_init</b> (BUZZER_config_t *buzzer_config);
Parameters (in):	BUZZER_config_t *buzzer_config
Parameters (in/out):	None
Parameters (out):	None
Return value:	None

Description:	1. Fill the BUZZER configurations structure 2. Set the PIN direction which the led is connected as OUTPUT pin 3. Initialize the BUZZER ON/OFF according to the initial value
NUM:	

Service name:	<b><u>BUZZER_setOn</u></b>
Syntax:	<b>void <u>BUZZER_setOn</u>(void)</b>
Parameters (in):	None
Parameters (in/out):	None
Parameters (out):	None
Return value:	None
Description:	Description: Set the BUZZER state to ON
NUM:	

Service name:	<b><u>BUZZER_setOff</u></b>
Syntax:	<b>void <u>BUZZER_setOff</u>(void);</b>
Parameters (in):	None
Parameters (in/out):	None

Parameters (out):	None
Return value:	None
Description:	Description: Set the BUZZER state to OFF
NUM:	