Requirements on BUZZER Driver

Team X

Contents

Scope of document:

This document specifies requirements on the module Buzzer Driver.

Functional overview:

The Buzzer Driver provides the user with functions that can control Buzzer.

The following expressions are used within the Buzzer driver

Expression	Explanation
Port_num	Represents multiple DIO channels that are grouped by hardware and accessible synchronously. Example: Port A
Pin_num	Represents a single general-purpose digital input/output pin Example : PIN5

Functional Requirements:

Configuration and initialization:

1- **[SRS_BUZZER_1500] The configuration and initialization of the pin structure for the Buzzer driver.**

Type:	Valid
Description:	The LED driver shall allow the static configuration of the following symbolic names: • port_num • pin_num
Rationale:	Basic functionality
Use cases	Write access to Buzzer pin
Dependencies	General write behaviour
Supporting material	--

Normal operation:

1- [SRS_BUZZER_1501] The Buzzer Driver shall provide a service turns on the Buzzer.

Type:	Valid
Description:	The Buzzer Driver shall provide a service that turns on the Buzzer.
Rationale:	Basic functionality
Use cases	--
Dependencies	General write behaviour
Supporting material	--

2- [SRS_BUZZER_1502] The Buzzer Driver shall provide a service that turns off the Buzzer.

Type:	Valid
Description:	The Buzzer Driver shall provide a service that turns off the Buzzer.
Rationale:	Basic functionality
Use cases	--
Dependencies	General write behaviour
Supporting material	--