Requirements on LM35 Driver

Team X

Contents

Scope of document:

This document specifies requirements on the module LM35 Driver. The LM35 driver is targeting LM35 temperature sensor Hardware.

Functional overview:

The LM35 driver calculates the temperature value.

Requirement specifications:
Functional Requirements:

Configuration and initialization:

1- **[SRS_LM35_6701] The LM35 Driver shall support symbolic names for LM35 channels.**

Type:	Valid
Description:	The LM35 driver shall allow the static configuration of the following symbolic names: • LM35 channel • Temperature value
Rationale:	Provide human readable symbolic names for LM35 channels
Use cases	--
Dependencies	--
Supporting material	--

Normal operation:

1- **[SRS_LM35_6702] The LM35 driver shall provide a service that calculates the temperature value.**

Type:	Valid
Description:	The LM35 driver shall provide a service that calculates the temperature value read from the sensor.
Rationale:	Basic functionality
Use cases	Calculate the temperature value
Dependencies	[SRS_LM32_6701]
Supporting material	--