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Startkit support library

This library provides support for accessing the available functionaility of the startKIT development board.

Features

- Ability to access on-board ADC.
- Ability to access LEDs and buttons.
- Ability to access the board's capacitive sensors.

Resource usage

This following table shows typical resource usage in some different configurations. Exact resource usage will depend on the particular use of the library by the application.

Configuration	Pins	Ports	Clocks	Ram	Logical cores
Simple LED control	9	1 (32-bit)	0	~2.2K	0
LED, buttons and cap-sense	9	1 (32-bit), 2 (4-bit)	1	~14.0K	≤ 1
ADC	4	0	0	~3.7K	≤ 1
Cap-sense slider	9	1 (4-bit)	1	~11.9K	≤ 1

Software version and dependencies

This document pertains to version False of this library. It is known to work on version 14.0.0 of the xTIMEcomposer tools suite, it may work on other versions.

The library does not have any dependencies (i.e. it does not rely on any other libraries).

Related application notes

The following application notes use this library:

- AN00173 - A startKIT accelerometer demo
- AN00174 - A startKIT glowing LED demo
- AN00175 - A startKIT LED demo
- AN00176 - A startKIT noughts and crosses game (tic-tac-toe)
- AN00177 - A startKIT ADC example

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