AccelerometerDisplay.lf — lf-pico

EXPLORER

OPEN EDITORS

GROUP 1

AccelerometerDisplay.lf src

GROUP 2

AccelerometerDisplay.lf

LF-PICO

.github
.vscode
bin
build
docs
include
lib
nix
pico
pico-sdk
platform
src
lf-pico-solutions
lib
tests
AccelerometerDisplay.lf
AccelerometerPrintf.lf
Blink.lf
HelloPico.lf
SquareMotors.lf
ZephyrPico.lf
src-gen
test
.gitignore
.gitmodules
.project
diagram.json
flake.lock

TIMELINE

AccelerometerDisplay.lf

src > AccelerometerDisplay.lf > ...

```
1  /**
2   * Display three dimensions of accelerometer measurements on the LCD display of the
3   * <a href="https://www.pololu.com/docs/0J86">Pololu 3pi+ 2040 robot</a>.
4   * To run this program, first put the robot in BOOTSEL mode (hold button B while
5   * resetting). Then the sequence of commands is something like this:
6   *
7   * ```
8   *     $ cd ~/lf-pico
9   *     $ lfc src/AccelerometerDisplay.lf
10  *     ...
11  *     $ picotool load -x bin/AccelerometerDisplay.elf
12  * ```
13  *
14  * This compiles the program, loads it into flash memory on the robot, and begins
15  * executing it.
16  *
17  * @author Edward A. Lee
18  */
19 target C {
20     platform: "RP2040",
21     threading: false,
22 };
23
24 import Accelerometer from "lib/Imu.lf"
25 import Display from "lib/Display.lf"
```

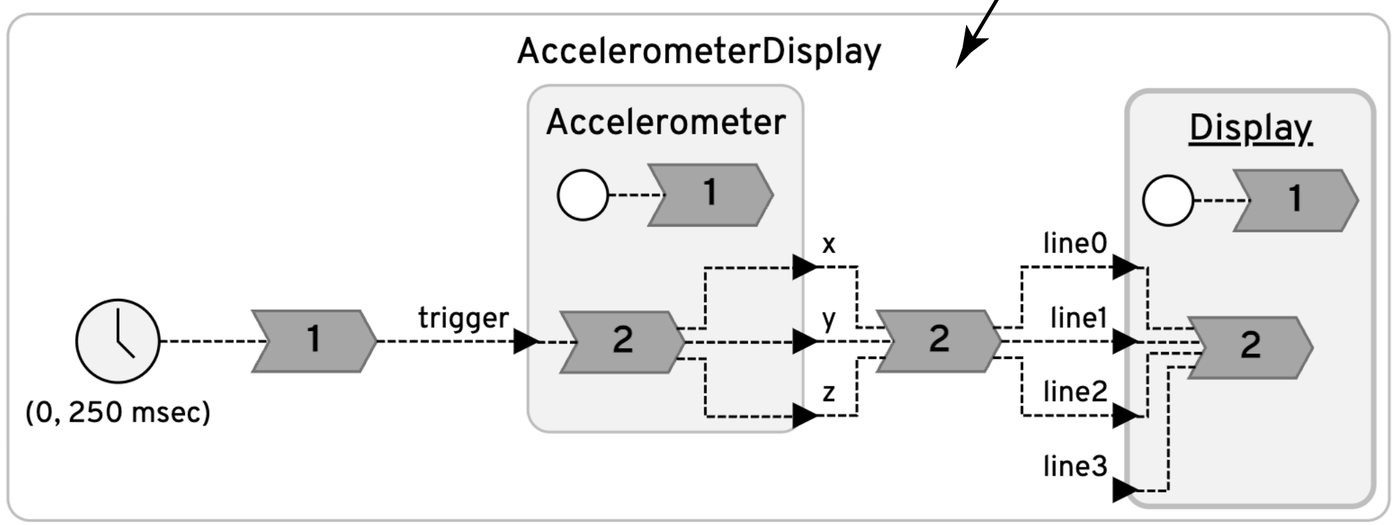
Button to open the diagram

Specification of target hardware.

Lingua Franca code

The diagram

AccelerometerDisplay.lf



main* 1 0 CMake: [Debug]: Ready [GCC 10.3.1 arm-none-eabi] Build [all] Live Share