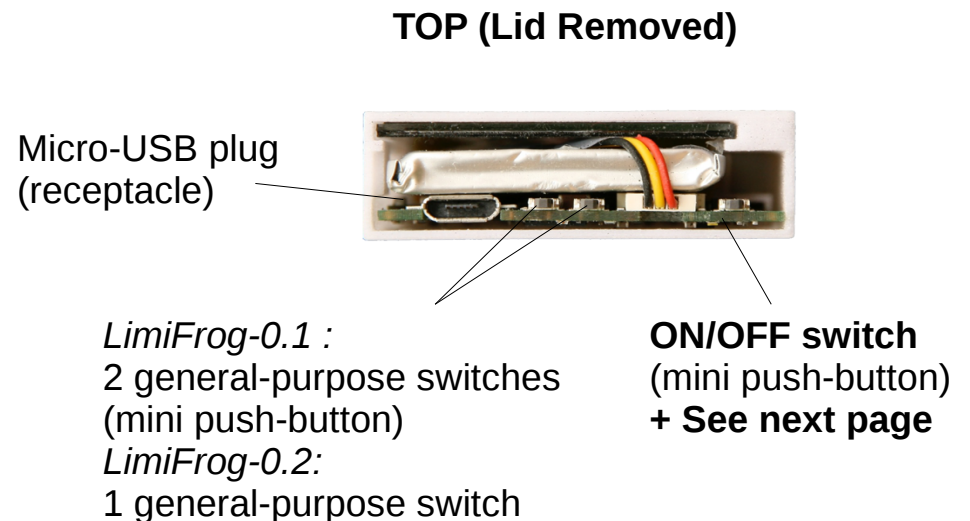
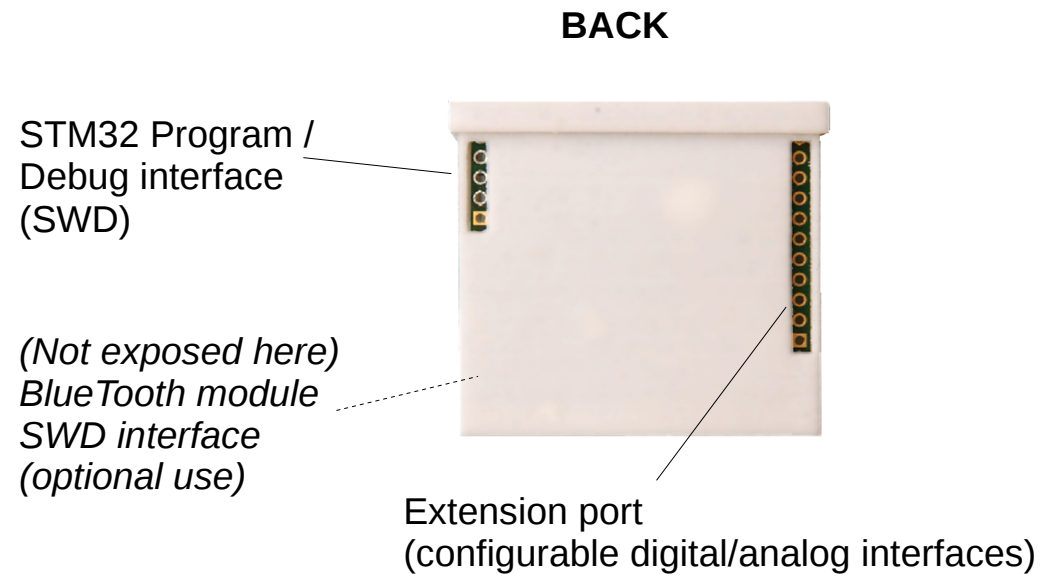
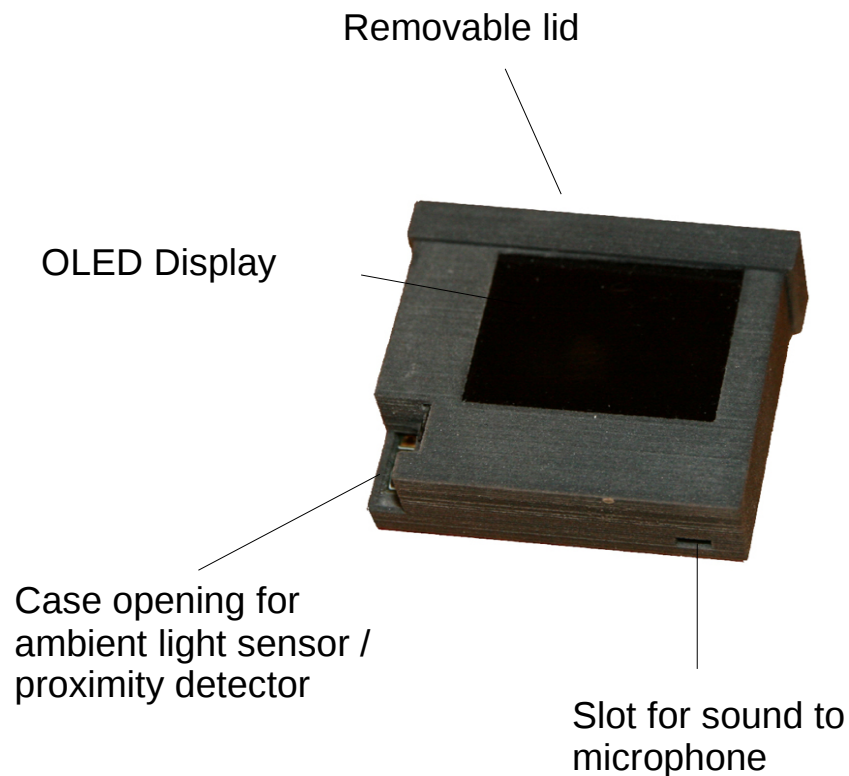


# Anatomy of LimiFrog



## Operation of ON/OFF switch (mini push-button)

> From **OFF** state:

Press ON/OFF switch for about **0.5s** to switch **ON**

> From **ON** state:

- ON/OFF signal routed to STM32 GPIO, behavior software-dependent.

The provided software implements a “**soft power off**”:

Briefly pressing ON/OFF triggers an interrupt that switches off the full board after 3 brief LED flashes.

- Press ON/OFF switch for **>5 s** to cause a “**hard power off**” :

Board is switched off without CPU intervention.

(Useful in case STM32 code has hung and cannot execute the soft power off sequence)

## External ON/OFF

> The ON/OFF signal driven by the push-button is also routed to the outermost position of the 5-pin connector that bears the STM32 SWD interface. This allows to control the ON/OFF signal from outside the board (e.g. by connecting to an external switch) rather than from the small push-button. The external switch must pull ON/OFF low to assert it and leave it open when not asserting it.

# LimiFrog-0.2 Board – Top and Bottom Views

