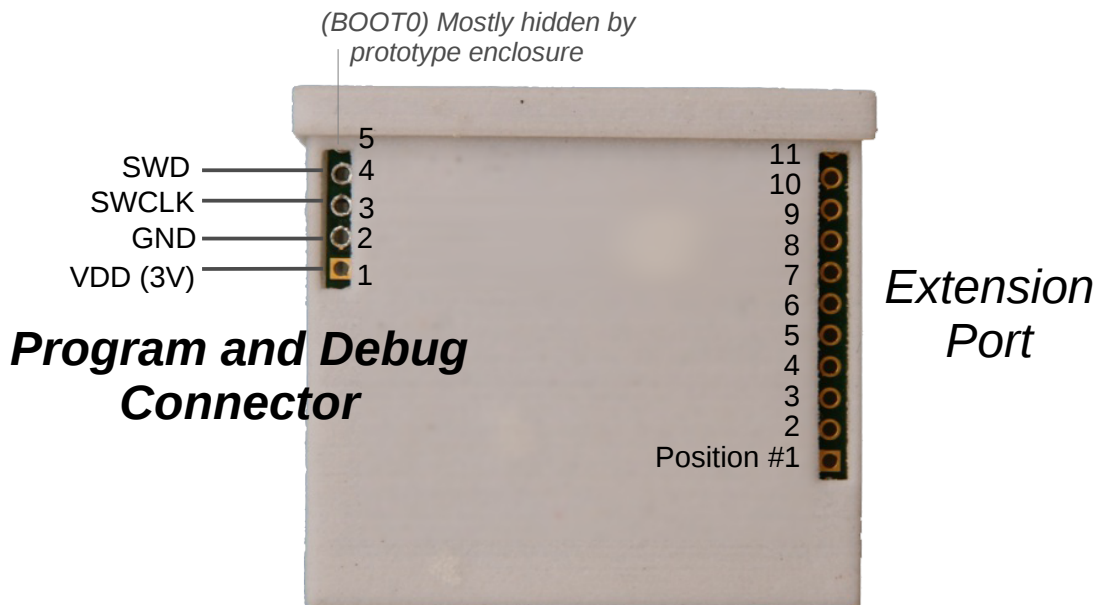


LimiFrog

Using the Program/Debug Connector

V0.1



PROGRAMMING (and debugging) LIMIFROG :

LimiFrog can be programmed in two ways.

The first method uses an « ST-Link V2 » programmer/debugger dongle. Code is downloaded into the embedded Flash of the STM32 during the « *make run* » phase or by means of an appropriate utility such as ST's software utility also called *ST-Link*. Code can also be dynamically debugged while the debugger dongle is connected.

The second method would be to download an executable via USB (using a Windows utility freely downloadable from ST's web site), taking advantage of the fact that the STM32 embeds a USB bootloader which is run at reset if pin BOOT0 is pulled high (not the default). No in-situ debug is possible in that case. From LimiFrog 0.1 onwards, BOOT0 connects to push-button SWITCH1, allowing the user to boot from USB by pressing this button during power-up or reset.

The pictures below illustrate how to connect the ST-Link V2 programmer/debugger for the first method.

La BlueFrog to programmer/debugger connection :

