ST-Link V2 Mini Debugger
Datenblatt

Content:

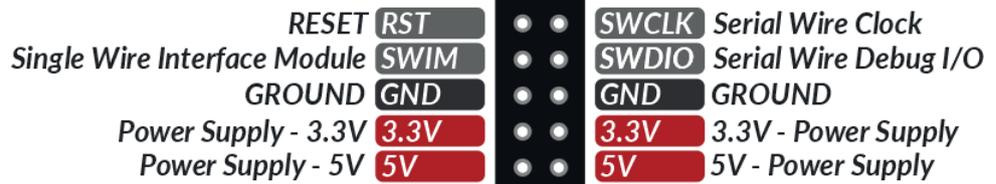## 1. Specifications

Input voltage (USB)	5V
Output Voltages	3.3V, 5V
Interfaces	SWIM, SWD
Connectors	USB, 10 pin (molex type)
Dimensions	57mm x 20mm x 8mm [2.2in x 0.7in x 0.3in]

WARNING: STM32 chips run on 3.3V, most breakout boards will include a voltage regulator so it can be powered from USB, and STLink dongles will provide a 3.3V VCC pin to power up the chip.
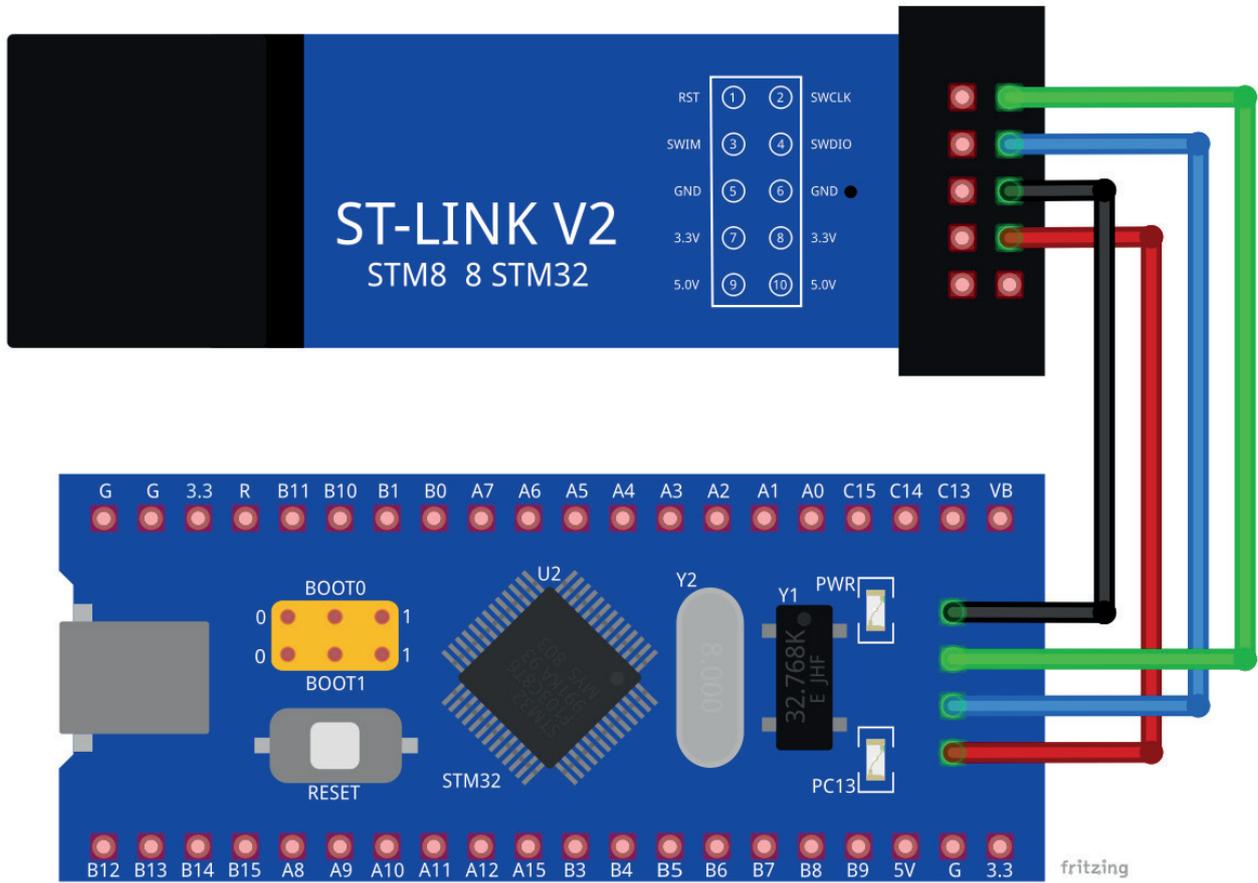
Do not connect the board to the PC using USB while the chip is powered up using the ST-Link V2 programmer!

Connect one or another but not both simultaneously. The ST-Link V2 dongle provides a 5V pin as well. It is not going to be used because the STM32 chips are not 5V tolerant, the 3.3V pin has to be used only.

2. Pinout

ST-LINK V2
STM8 8 STM32

RST	① ②	SWCLK	
SWIM	③ ④	SWDIO	
GND	⑤ ⑥	GND	
3.3V	⑦ ⑧	3.3V	
5.0V	⑨ ⑩	5.0V	

RESET **RST**
Single Wire Interface Module **SWIM**
GROUND **GND**
Power Supply - 3.3V **3.3V**
Power Supply - 5V **5V**

SWCLK Serial Wire Clock
SWDIO Serial Wire Debug I/O
GND GROUND
3.3V 3.3V - Power Supply
5V 5V - Power Supply

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