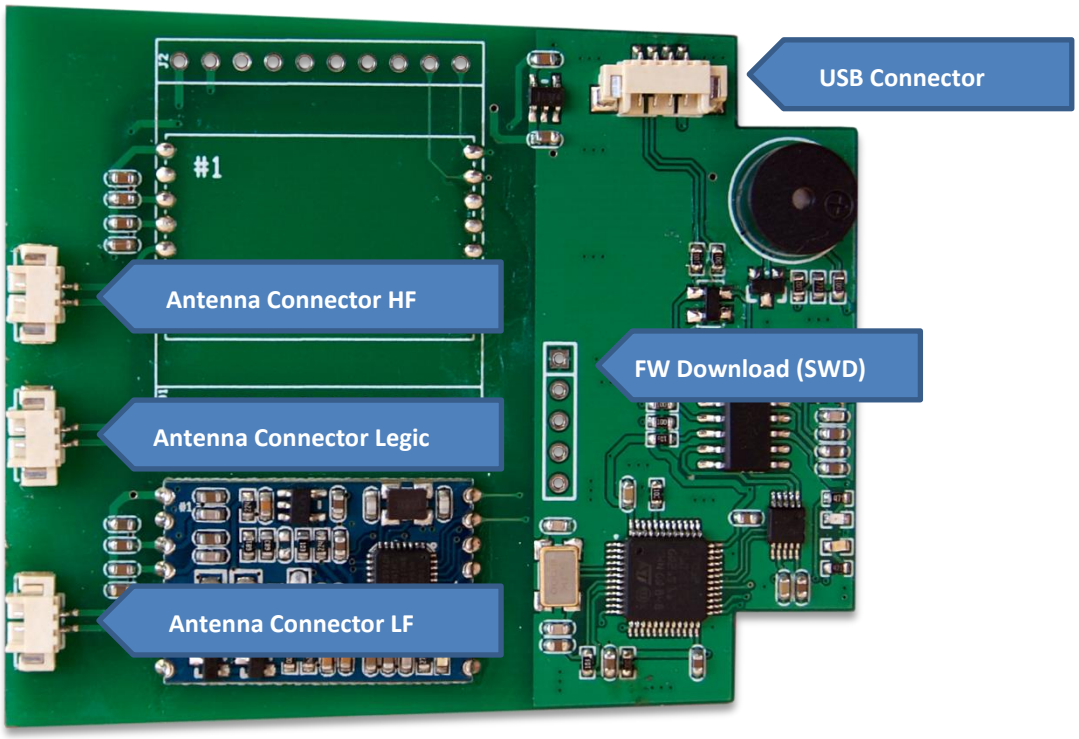
Mainboard Connections



1.1 Pinout of USB Interface

Pin	USB Name	Wire Colour
1 (leftmost on photo)	Data–	White
2	Data+	Green
3	GND	Black
4	+5 Vdc	Red

1.2 Firmware Download (SWD)

With the mainboard firmware version 2022-09-13, the firmware can be uploaded via USB using the HID configuration software. So the direct access to the SWD interface is only needed for older mainboard firmware versions or as emergency access, when the USB is no longer active.

Through Hole	µC Pin	Designation	µC Function	JTAG Function
1 (rectangular)		GND	GND	GND
2	9	VDDA	PWR	Voltage Detect
3	7	NRST	Reset	RST
4	37, 38, 39	PA14, PA15, PB3	JTCK/SWCLK, JTDI, JTDO	CLK
5	34	PA13	JTMS/SWDIO	DIO

µC Type: STM32F103C8T6