USB to JTAG bridge 3.3V budget Version JTAG_TDO JTAG_TMS JTAG_TDI R18 JTAG_TCK WW 18 19 20 39 40 41 42 43 PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7 PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7 JTAG_TCK GND R20 WW-Act as Slave SPI JTAG_TMS PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15 +3V3 DNP WW-R8 PA8 PA9 PA10 PA11 PA12 PA13 PA14 PA15 UART_TXD UART_RXD VCCINT VCC D-D+ ID GND JTAG_TCK JTAG_TDO JTAG_TDI in the second se R21 -WW-R22 WW 10 Act as master SPI DONOS R1' ER+3V3 REG1117 VIN YOUT C2 +3V3 VDD_1 VBAT 9 VDD_2 VDDA 10u → R13 — WW 22 VDD 3 VSSA R14 UART_TXD WW_UART_RXD C6 GND GND 10u GND 1.5k R6 1.5k R6 VSS_1 NRST CON1 VSS_2 воото VSS_3 STM32F10XCXT6 GND _JTAG_TCK _JTAG_TDO _JTAG_TMS C5 C4 C3PORTC 3 PC13 PC14 PC15 PD0/OSC<= PD1/OSC=> JTAG_TDI