STM32 Blue Pill Power Supply Breakout +3.3V VBUS FB3 U2 AMS1117-3.3 120R 120R PWR_FLAG PA1 D1 LED 10nF C12 C16 C14 PA1 22u 0.1u 22u 0.1u PA6 PA7 (PAB) STM32 Circuit 1^{GPIO} +3.3V +3.3V +3,3VA 2 3 4 PA10 FB1 (PA15) PWR_FLAG 120R (PBO) J8 1GPI0 2 3 4 С3 10u | 100n | 100n | 100n | 100n PB2> 10n PB4 (PB5) NRST 10 PA0 PA1 **↑** 13 ↓ R1 10K J9 PA1 B00T0 44 B00T0 2usart2_tx ₄GPI0 3usart2_rx SW1 PA3 PB7 4USART2_CLK RCC_OSC_IN 5 PDO PA4 RCC_OSC_OUT 6 PD1 (PB8) +3.3V VBUS PA5 PAS SW_SPDT PB9 PA6 6 PA6 J10 PC13 2 PC13 PC14 PA7 PA7 1GPI0 2 3 PA8 9 PAB R2 PC15 4 PC15 PA9 O PA9 (PB13) 1K5 PA10 32USB_D-PA10 (PB14) PA11 USB_B_Mini (PB15) 19 PB1 3usb_D+ PA12 J11 PB2 20 PB2 4swDIO PA13 4GPIO TRACESWO39 PB3 7_{SWCLK} PA14 PC13 PB4 40 PB4 PA15 8 (PA15) PC14 PB5 41 PB5 PC15 PB6 42 PB6 10u PB7 43 PB7 PB8 45 PB8 +3.3V J12 PB9 46 PB9 12C_SCL21 PB10 SW3 +3.3V 12C_SDA22 PB11 1 J2 SWD PB12 25 PB13 26 PB13 27 PB14 28 PB15 28 PB15 28 STM32F103C8Tx Sheet: File: STM32_BluePill.kicad_sch Title: Size: A4 Date: Rev: KiCad E.D.A. kicad 7.0.1 ld: 1/1