Blockdiagramm STM32 Nucleo Training Base-Shield M3 V3.3 suitable for Pinout of L152RE or F103RB echo O PC_1 PC_0-GND PC_01 PC_03 PC_05 PC_07 PC_09 PC_11 PC_13 PC_15 5V GND PC_00 PC_02 PC_04 PC_06 PC_08 PC_10 PC_12 PC_14 HC-SR04 RCW-0001 T **€** 3V3 PC 0 В7 PC 1 С В6 C0 () C4 B6 20 В7 PC 2 C1 () C5 Grove Connector C2 () C6 GND PC 3 3V3 GND **SV3** сз 🔾 Ст PC 4 **€** GND GND GND StemmaQT **C**3V3 PC_5 3V3 O 3V3 Connector DC Connectors 20Pin (male) PB_00 PB_02 PB_04 PB_06 PB_01 PB 03 С в9 PC 6 PMOD 12 Pin **⊂** B8 **€** B8 PB_05 PB_07 PC_7 **⊂** B9 20 Grove Connector PB_08 PB_09 PA_8 PA_6 PB_09 PB_11 PB_13 PB_15 5V PA_7 PC_8 GND PB_10 PB_12 **C3V3** GND PB_14 3V3 **€** 3V3 PC_10 StemmaQT GND GND Connector (B11 PC_11 PA_00 PA_02 PA_04 PA_01 PA_03 PA_05 ← B10 PC_12 **€** B11 Grove Connector PC13 H PA_05 PA_07 PA_09 PA_11 PA_13 PA_15 5V GND PA_06 PA_08 Normally High GND Nucleo 20 OnBoard on PC_14 OSC32_OUT 32.768 kHz **€3V3** PA_10 PA_12 PA_14 PC 15 StemmaQT 3V3 GND Connector PB_0 B4 B7 10 PB 1 Α4 C8 C7 WIFLESP-01 PB_2 GND THE STATE OF THE S PB_10 PB 3 Logic-Analyzer **NUCLEO** PB_11 UART3 RX PB 4 **L152RE** Wifi PB_12 RST PB 5 **F130RB** PB_13 CH PD PB 6 LM75B € GPI00 PB 7 I²C GPIO1 PB 8 BT-HC-05 PB_9 BLuetooth -PB_10 PB_10 -PB_11 PB_11 -PB_12 PB_12 PB_13 PB_14 PB_15 switchable I²C pull-up resistors Frequency Generator ST-LINK_TX USART TX PA2→ ST-LINK_RX (A7 **€5**V GND PA 5 PA 6 OnBoard Servo PA 7 тмрз6 🌡 PA 8 Analog S-SCL S-SDA GND PB_9 WH1602B Display PCF 8574 PA 10 SDA PA_11 PA_12 PA_12 SCL OLED PB_8 SSD1306 SDA PB_9 didactic PH_0 / PD_0 elements PH_1/PD_1 M.Schreger - 8/12/2024