

V1.3 增加用户按键 KEY

100nF
复位电路
Reset circuit

BOOT设置

BOOT Settings

V1.2 修改BOOT跳线为BOOT0按键，BOOT1 10K下拉

RTC电源
RTC circuit

STM32电源部分

STM32 Power supply

指示灯
Indicator light

Pin connection diagram for STM32F4X1CXU6 to U1A. The diagram shows the connection of various pins from the STM32F4X1CXU6 to the U1A. The STM32F4X1CXU6 pins are listed on the left, and the U1A pins are listed on the right. The connections are as follows:

- PA0 to PA0-WKUP
- PA1 to PA1
- PA2 to PA2
- PA3 to PA3
- PA4 to PA4
- PA5 to PA5
- PA6 to PA6
- PA7 to PA7
- PA8 to PA8
- PA9 to PA9
- PA10 to PA10
- PA11 to PA11
- PA12 to PA12
- PA13 to PA13
- PA14 to PA14
- PA15 to PA15
- PC13 to PC13-ANTI_TAMP
- PC14 to PC14-OSC32_IN
- PC15 to PC15-OSC32_OUT
- PH0 to PH0-OSC_IN
- PH1 to PH1-OSC_OUT
- PB0 to PB0
- PB1 to PB1
- PB2 to PB2
- PB3 to PB3
- PB4 to PB4
- PB5 to PB5
- PB6 to PB6
- PB7 to PB7
- PB8 to PB8
- PB9 to PB9
- PB10 to PB10
- PB11 to PB11
- PB12 to PB12
- PB13 to PB13
- PB14 to PB14
- PB15 to PB15
- BOOT0 to BOOT0
- NRST to NRST
- VCAP1 to VCAP1

The diagram also shows the connection of the 32.768KHz crystal (C5, C6) to the PA0 and PA1 pins, the 25MHz crystal (C3, C4) to the PC13 and PC14 pins, and the 2.2uF capacitor (C8) to the VCAP1 pin.

5V -> 3.3V 电源转换
5V -> 3.3V Power conversion

SW 调试下载接口
SW debug download interface

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