

PY32F030(LQFP32)-Start Kit

User Guide



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4. Overview of Hardware Design

4.1 Power supply

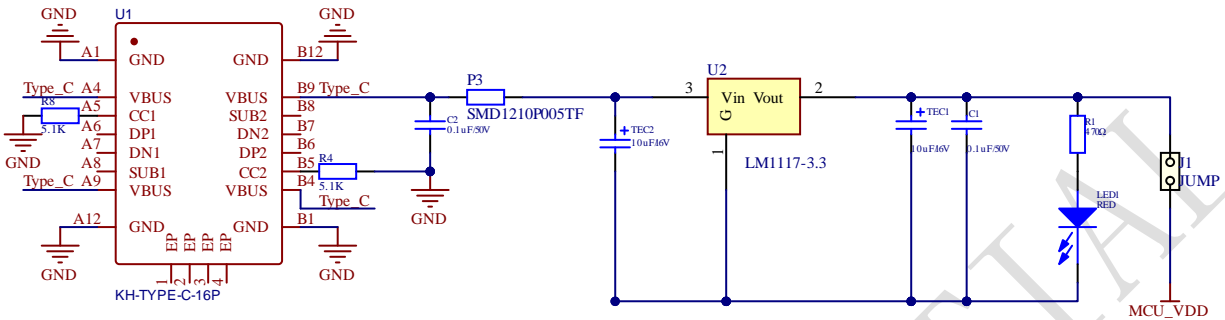


Figure 4-1 Power supply schematic

4.2 Boot Mode Selection

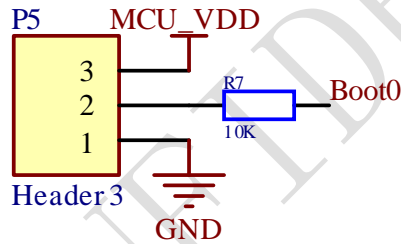


Figure 4-2 Boot mode selection schematic

With the BOOT0 pin and the boot configuration bit nBOOT1 (stored in the Option bytes), three different boot modes can be selected, as shown in the following table.

Table 4-1 Boot mode configuration

nBOOT1 bit	BOOT0 pin	Boot Mode
X	0	Select Main flash as the boot area
1	1	Select System memory as the boot area
0	1	Select SRAM memory as the boot area

4.3 LED indicator light

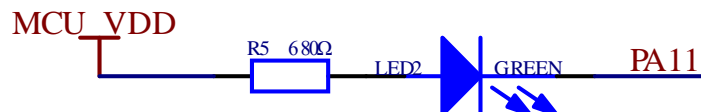


Figure 4-3 LED Functional schematic

4.4 Keys

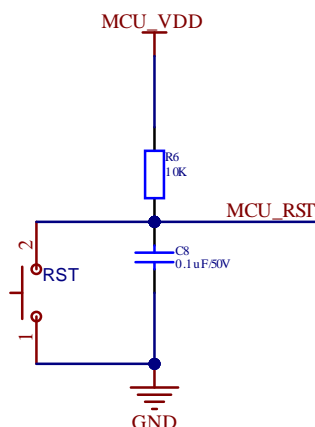


Figure 4-4 Reset key function schematic

5. Guide to Using the Example

5.1 GPIO Toggle

5.1.1 Purpose of the Example

This sample program includes the following functions of the MCU:

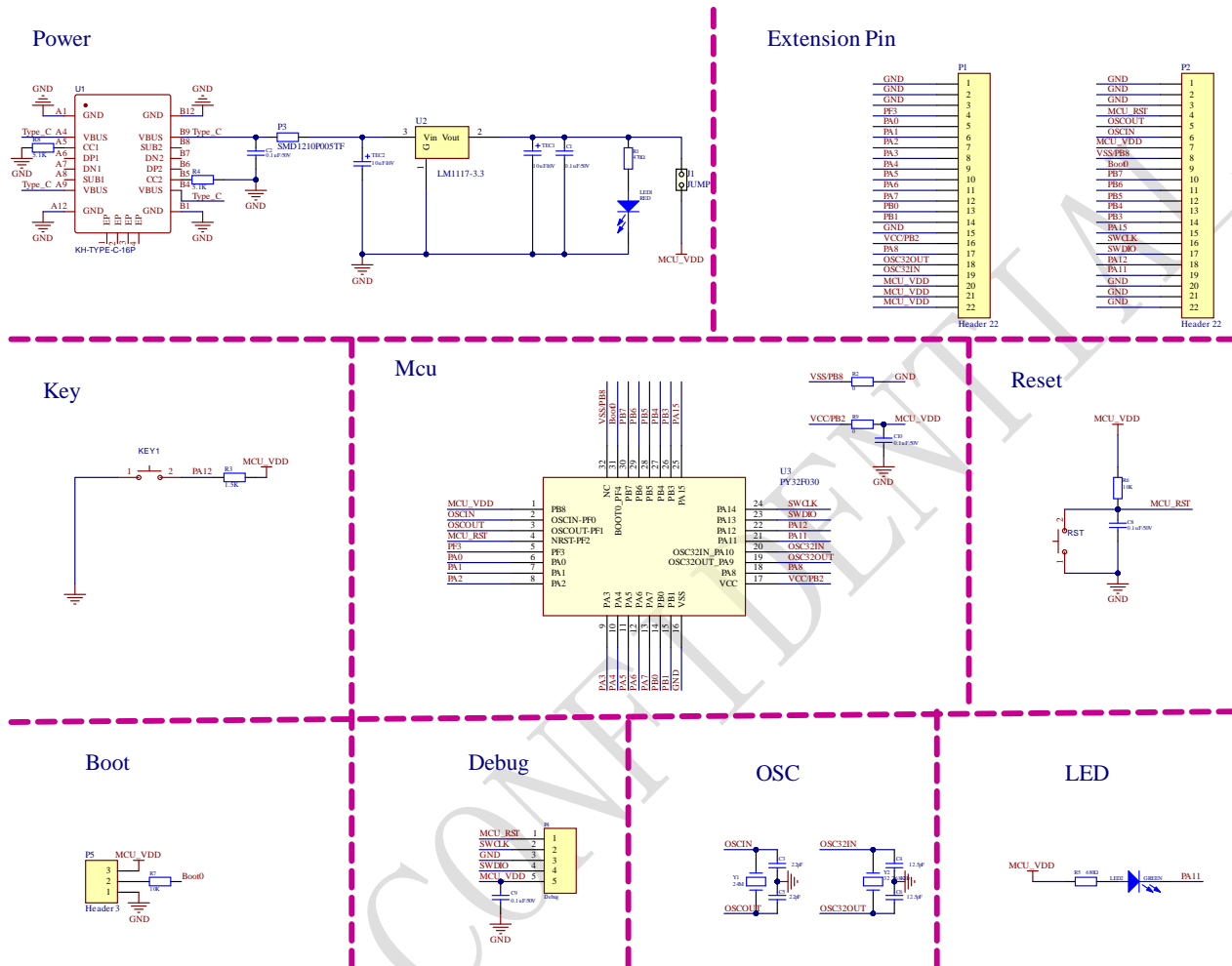
- Learn to control LEDs using GPIOs
- Learn to use SysTick to generate time delays

There is one LED on the development board, the LED is controlled by GPIO. This sample program will tell how to light up the LED.

5.1.2 Execution Results

Download the program <GPIO_Toggle> to the development board and you will see the LED blinking.

6. Schematic



7. Updated History

Version	Content	Date
V1.0	Initial version	2021/08/30
V1.1	Updated the picture	2024/05/16



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