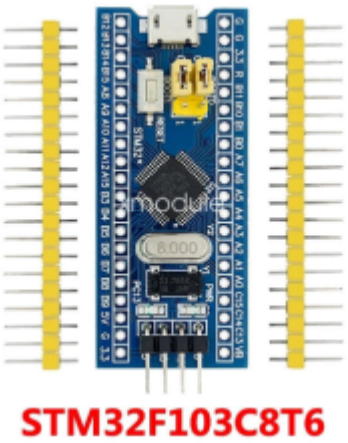
STM32F10: ARM STM32 Minimum System Development Module Board

STM32F103C8T6

Description:



- Core: ARM 32 Cortex-M3 CPU
- Debug mode: SWD.
- work frequency: 72MHz
- flash memory: 64KB
- SRAM: 20KB
- **Power: 2.0 .. 3.6V**

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- Number of pins: 48
- Core: Cortex-M3
- Work frequency: 72MHz
- Flash: 32KByte
- SRAM: 10KByte
- Interface Resources: 2x SPI, 3x USART, 2x I2C, 1x CAN, 37x I / O ports, Analog-to-digital conversion: 2x ADC (12-bit / 16-channel)
- Timers: 3
- Debug Download: Support JTAG / SWD debug interface to download , support for IAP
- RT9193: 3.3V regulator chip, the maximum output of 300mA

Interface description

- SWD interface: support for simulation, download and debug
- Mirco USB interface: power supply and USB communication, does not support the download
- USART1 interface: USART1 can be used to download the program, or use the USART1 for communication

- MCU pin interface: leads all I / O port pins, easy to connect with peripherals
- 5V and 3.3V power input and output interface: commonly used in external power supply, or with other modules for common ground treatment

Other device description

- Power LED (PWR): Power indicator status, can determine whether the power supply is stable
- The user LED (PC13): to facilitate the I / O output test or indicate the program running
- Start jumping choose programming mode: (1, the user flash memory 2, SRAM 3, system memory)
- reset button: reset chip for the user program
- 8M Crystal: The frequency can be set to make the system clocked at 72MHz
- 32.768KHz Crystal: Available for built-in RTC, or for calibration