

STM32F411 BlackPill Development Board

DFR0864

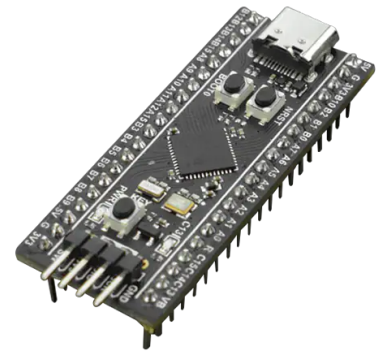
Product Overview

11-08-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

The STM32F411 BlackPill Development Board from DFRobot is a compact STM32F411 development board that can be embedded into projects. It features the STM32F411CEU6 chip with 512KB of ROM, 128KB of SRAM and runs at 100MHz. There is a spot on the bottom for SOIC flash memory, which allows soldering an SPI flash memory for more space for data logging or file storage.



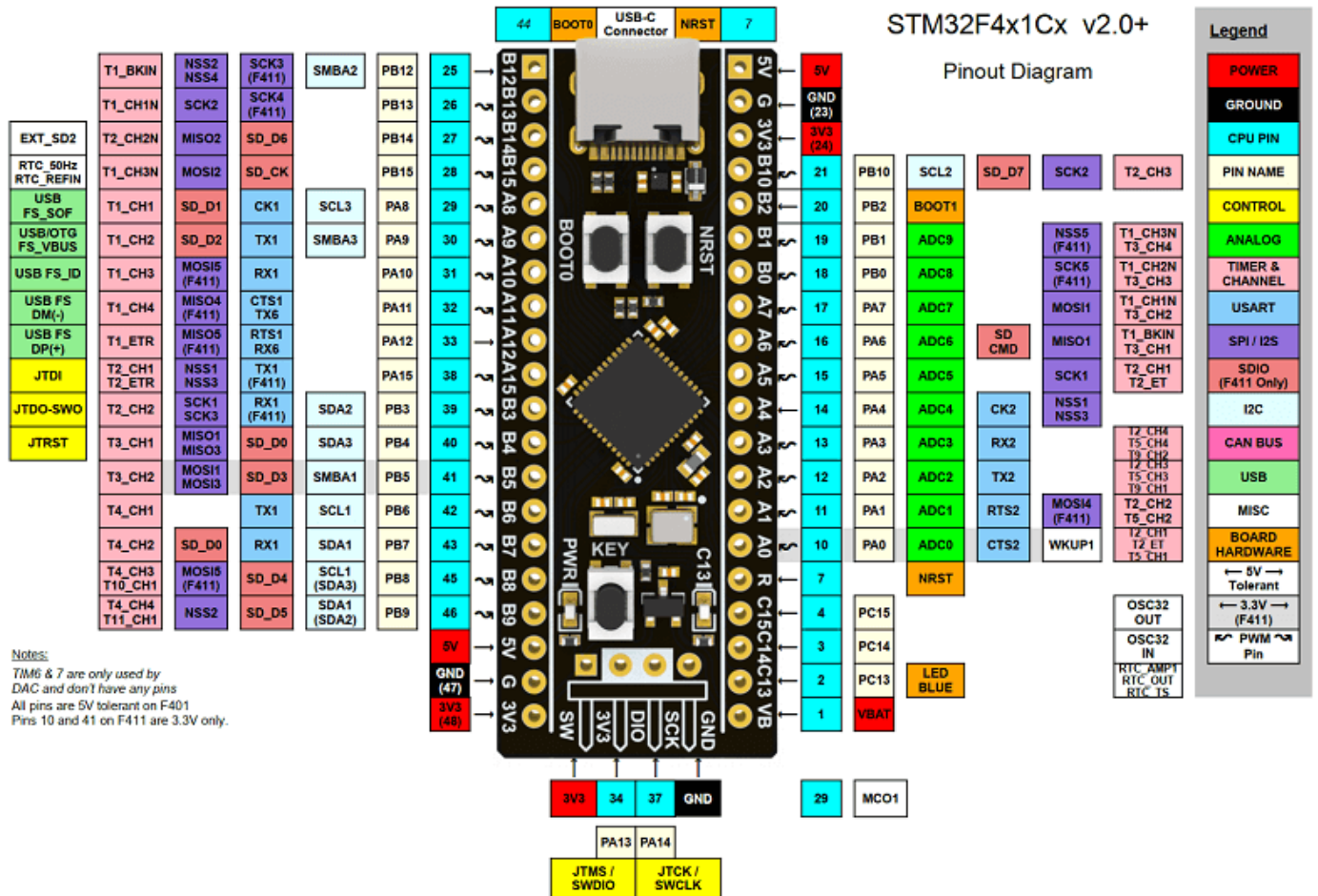
Features

- STM32F411CEU6 100Mhz, 128KB RAM, 512KB ROM
- 25MHZ high-speed crystal & 32.768Khz 6PF low-speed crystal
- Immersion gold technology and lead-free, gold-plated pin headers, more environmentally friendly
- Flash pads have been reserved, and USBDisk & FATFFS routines are provided
- Support MicroPython programming, and provide usable MicroPython firmware
- Support Arduino programming
- Support C language programming development
- Version V3.0, there are 3 buttons: reset button, BOOT0 button, user button
- Provide CMSIS-DAP firmware, which can be turned into a download burner
- Use the new original ST chip, a high-quality crystal oscillator

Specifications

- 1x STM32F411 development board
- 1x 4pin curved pin
- 2x 20pin straight pin

Typical Connections



Learn more about

- [STMicroelectronics STM32 F4 Cortex™-M4 MCUs](#)

Mouser Part Number

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To learn more, visit

<https://www.mouser.com/new/dfrobot/dfrobot-stm32f411-blackpill-board/>