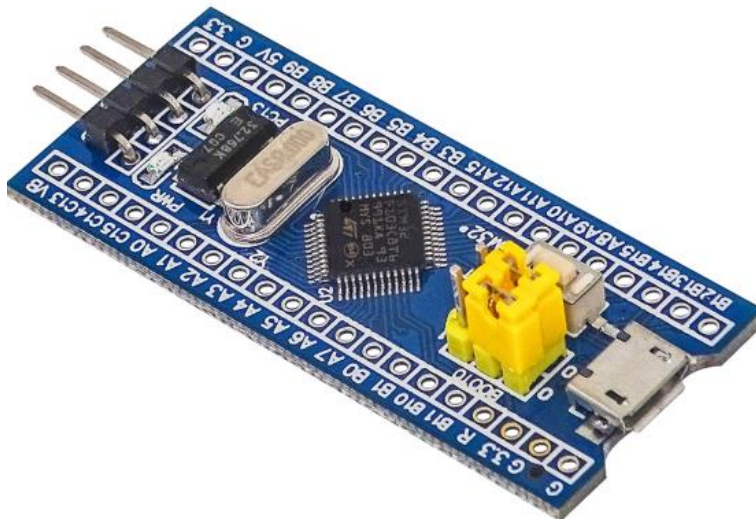




STM32F103C8T6 ARM Cortex-M3 Microcontroller Board

The STM32 board also-known-as "Blue Pill", is 32-bit MCU Development board for the ARM Cortex M3 Microcontroller. It looks very much similar to the Arduino Nano but it packs with exciting features.



SKU: MDU1160

Brief Data:

- Architecture: 32-bit ARM Cortex M3.
- Operating Voltage: 2.7V to 3.6V.
- CPU Frequency: 72 MHz.
- Number of GPIO pins: 37.
- Number of PWM pins: 12.
- Analog input Pins: 10 (12-bit).
- USART Peripherals: 3.
- I2C Peripherals: 2.
- SPI Peripherals: 2.
- Can 2.0 Peripheral: 1.
- Timers: 3(16-bit), 1 (PWM).
- Flash Memory: 64KB.
- RAM: 20kB
- Board Support Package for Arduino IDE.
- Interface Connector: Micro USB.

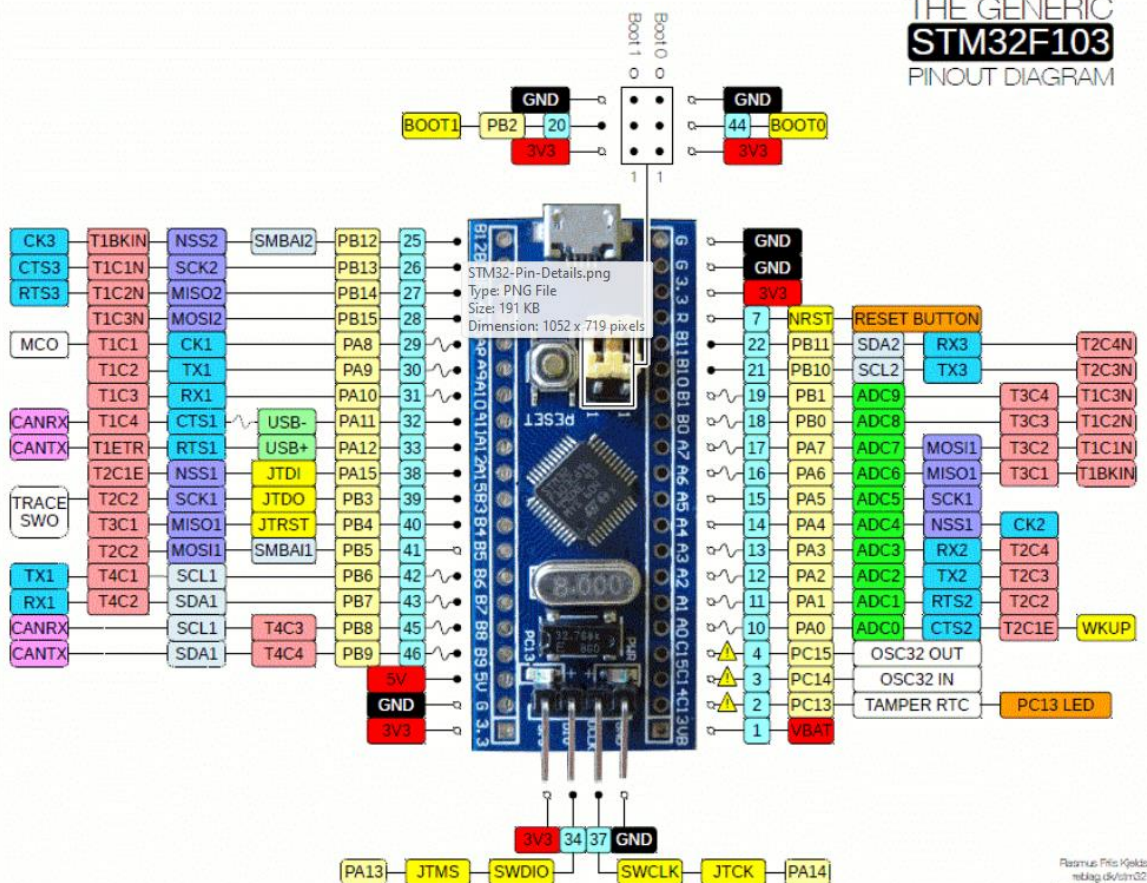


Pin Function Assignment:

LEGEND

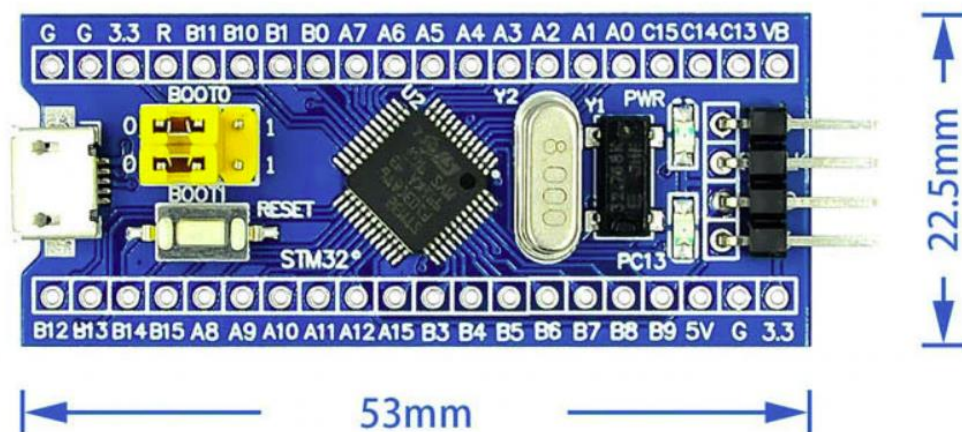
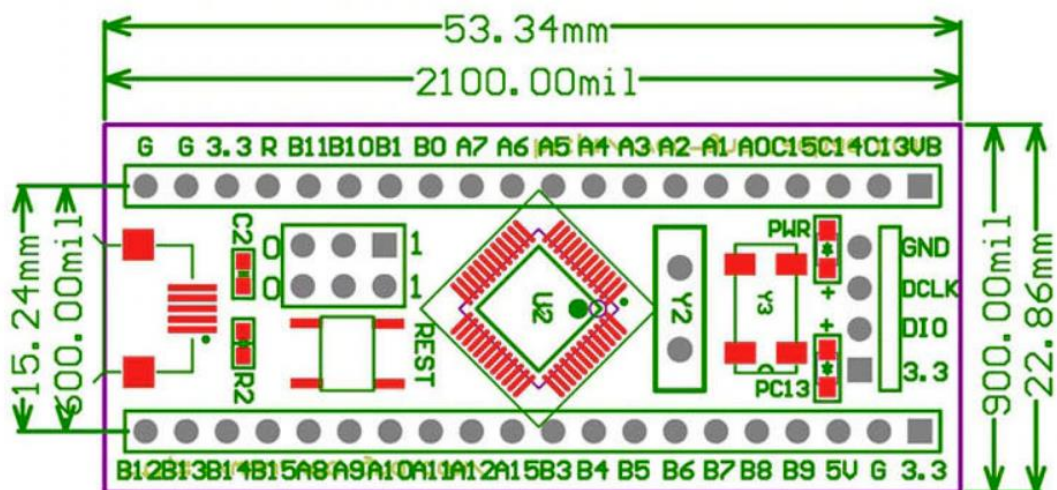
POWER
GROUND
PHYSICAL PIN
PIN NAME
CONTROL
ANALOG
TIMER & CHANNEL
USART
SPI
I2C
CAN BUS
USB
MISC
BOARD HARDWARE
5V tolerant
Not 5V tolerant
PWM pin
Alternate function
PC13, PC14, PC15: Sink max 3mA, source 0mA, max 2mhz, max 30pF
Absolute MAX 150mA total source/sink for entire CPU
Max ±20mA per pin, ±8mA recommended

THE GENERIC STM32F103 PINOUT DIAGRAM



Mechanical Dimension:

Unit: mm



Web Resources:

- <https://circuitdigest.com/microcontroller-projects/getting-started-with-stm32-blue-pill-development-board-stm32f103c8-using-arduino-ide>
- <https://how2electronics.com/getting-started-with-stm32-microcontroller-blinking-of-led/>





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