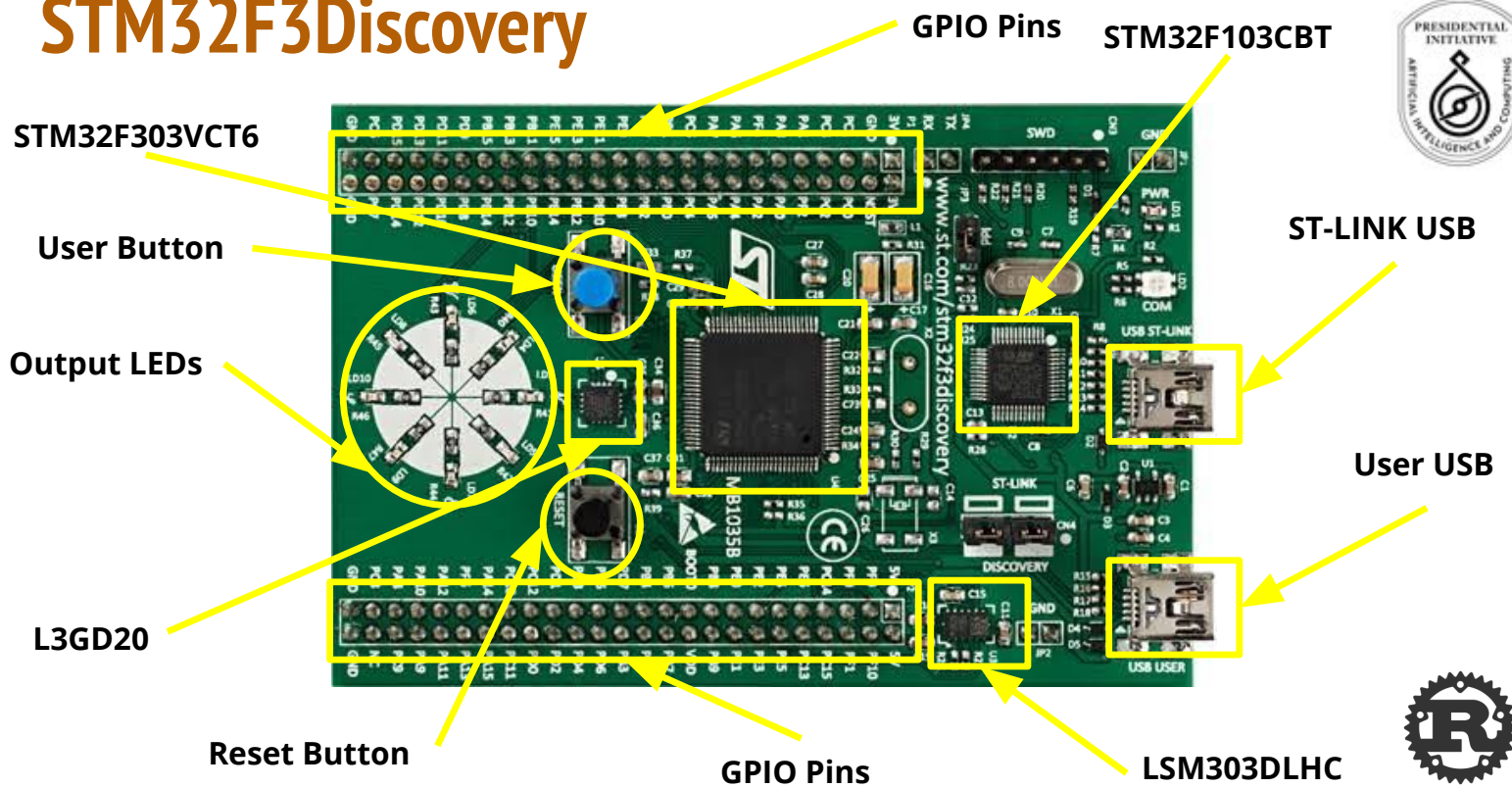# Chapter 4

Meet your Hardware

Meet your hardware

We will be seeing the following hardware in details.

1. STM32F3Discovery (STM/ F3/ Discovery) board.
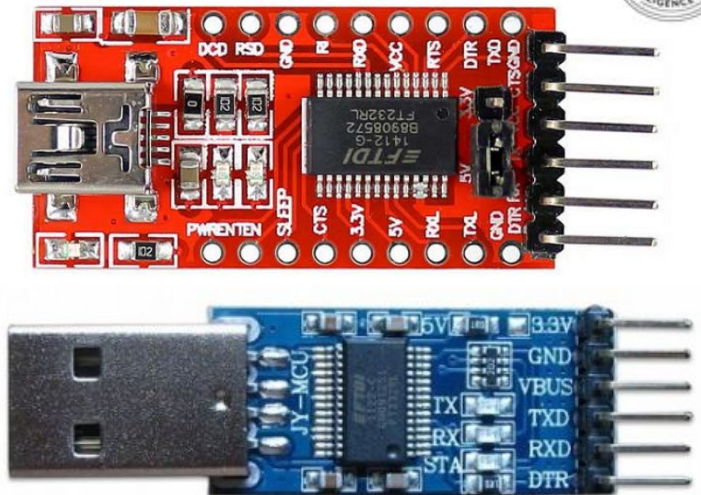2. Serial Module
3. Bluetooth Module

STM32F3Discovery

GPIO Pins

STM32F103CBT

STM32F303VCT6

ST-LINK USB

User Button

Output LEDs

User USB

L3GD20

Reset Button

GPIO Pins

LSM303DLHC

Serial Module

- Primarily 2 variants are available.
- 4 Pins are common in both variants.
  - GND (Ground pin)
  - VCC (Power pin)
  - T/ TX/ TXI (Transmitter pin)
  - R/ RX/ RXI (Receiver pin)
- Uncommon pins are
  - DTR (Reset pin) -> FTDI
  - CTS (Test pin) -> FTDI
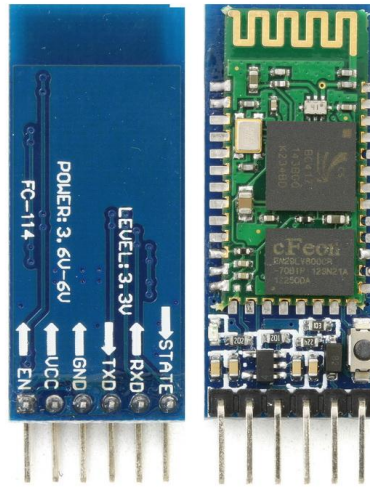 - Another voltage pin

Bluetooth Module

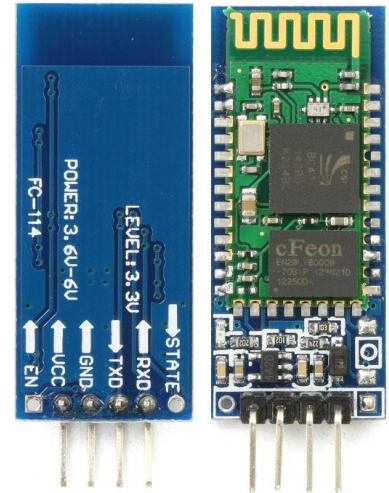There are even 2 variants.

- HC-05
- HC-06

State and enable (**EN**) pins.

Defaults of these modules.

HC-05 FC-114   HC-06 FC-114

Summary