pycom

# F01 Series M.2 Board

## Data Sheet

Version 1

Released July 2022

pycom

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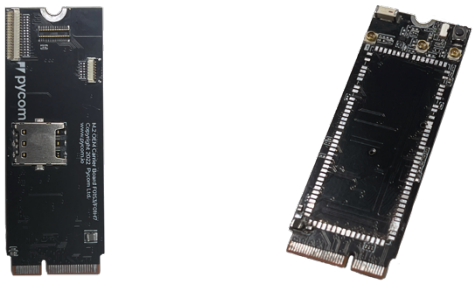


M.2 Board Top and Bottom View

# 1 Overview

Introducing the new M.2 Board, compatible with all F01 series modules including H7 and S3.

# 2 Features

This m.2 Board complements the development set up with the following features:

- Up to 60 High density M.2 connectors
- Onboard Antennas: WiFi and BLE
- External Antenna Connectors for WiFi, LoRa and Cellular
- Boot Loader Button
- Expansion IOs
- SIM Slot for LTE-M Connectivity

# 3 Compatibility

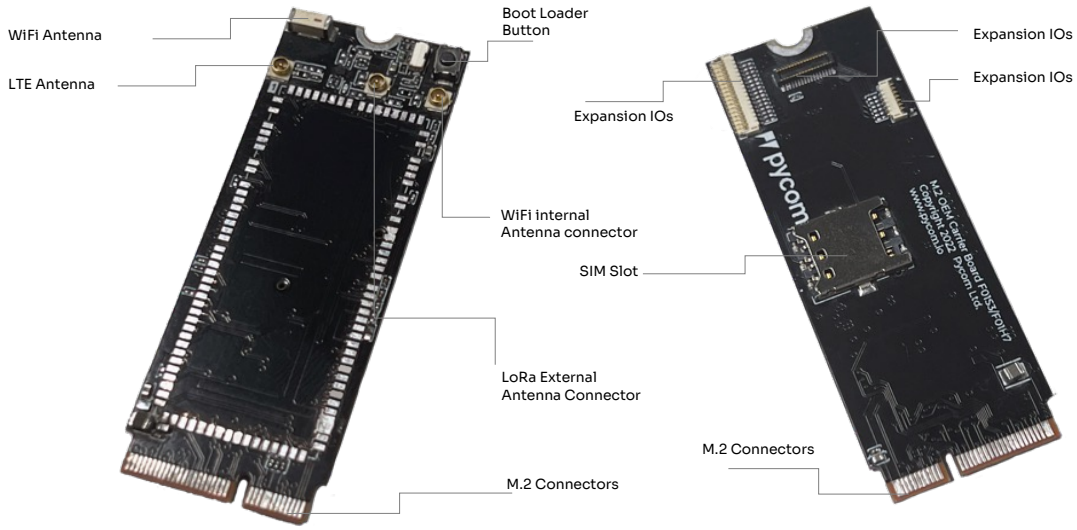
This M.2 board is compatible with all Pycom's new generation of F01 modules.

**New Portfolio**
F01 H7
F01 S3

It is not compatible with previous generation of Pycom OEM modules.

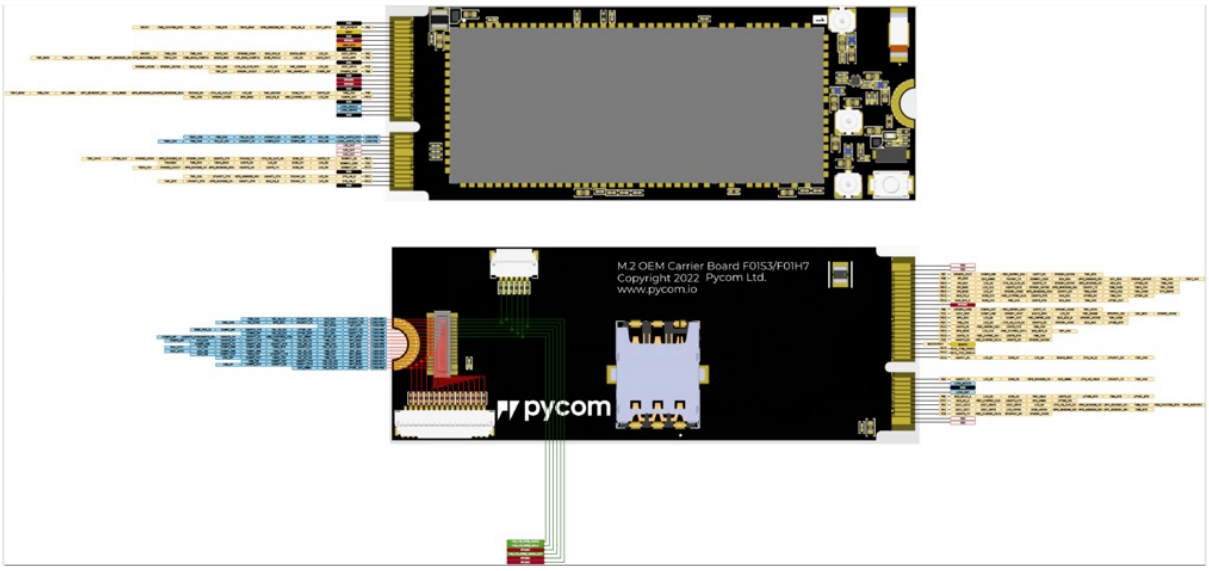
# 4 Connectors

# 5 Visual Overview




Annotated M.2 Top and Bottom View

## 5.1 Pin out diagram



# 6 Use the online IDE

Get developing quickly and easily using MicroPython or C++ and our extensive collection of templates and libraries, making developing a new IoT a solution easier and faster. This can all be done via any Pycom powered Device Cloud here: https://murata.pycom.io or https://pybytes.pycom.io
From this Device Cloud you can connect, configure and manage your EVK. It features an integrated IDE which helps you program in MicroPython or C++. You'll be able to program, update firmware and configure your F01 H7 pr F01 S3 devices for a multitude of IoT Applications as well as see and manage your sensor data. This is a fast and easy way to have continuity from Proof of Concept to Scaling without re-doing development through the process saving you and your IoT Project time and money.

# 7 Quick Verification

For easy and fast debugging use the interactive shell that is accessible through telnet or one of the serial ports. This allows access to the REPL console to test, debug and develop your application.

# 8 Easy Upload

Upload your scripts and any other files you want to your development board either via USB or over the WiFi from your chosen Device Cloud, or through Pycom's VSCode or Atom plugins.

# 9 Revision History

| Version | Release date | Notes |
|---|---|---|
| Draft 1 | July 2022 | First Release |